

Noszticzius Zoltán **hivatkozási** listája  
(év [csoportosítva], szerző, cím csökkenő sorrendben)

2004

[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub><sup>-</sup> with oxalic acid](#)

PELLE K, WITTMANN M, LOVRICS K, et al.

**JOURNAL OF PHYSICAL CHEMISTRY A**

108 (25): 5377-5385 JUN 24 2004

1. Pelle K, Wittmann M, Lovrics K, et al.

[Mechanistic investigations on the Belousov-Zhabotinsky reaction with oxalic acid substrate. 2. Measuring and modeling the oxalic acid-bromine chain reaction and simulating the complete oscillatory system](#)

JOURNAL OF PHYSICAL CHEMISTRY A 108 (37): 7554-7562 SEP 16 2004

2003

Pelle K, Wittmann M, Noszticzius Z, Lombardo R, Sbriziolo C, Liveri Mlt

Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations

J PHYS CHEM A 107: 2039-2047 (2003)

IF: 2.765

1. Kumli PI, Burger M, Hauser MJB, et al.

[Oscillations in the Belousov-Zhabotinsky reaction with sorbitol in the presence of bromine](#)

PHYSICAL CHEMISTRY CHEMICAL PHYSICS 5 (24): 5454-5458 DEC 15 2003

\*2. Lombardo R, Sbriziolo C, Liveri MLT, et al.

[Perturbation of the oscillatory Belousov-Zhabotinsky reaction with polyethylene glycol](#)

ACS SYMPOSIUM SERIES 869: 292-308 2004

\*3. Pelle K, Wittmann M, Lovrics K, et al.

[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub><sup>-</sup> with oxalic acid](#)

JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004

2002

Lombardo R, Sbriziolo C, Liveri Mlt, Pelle K, Wittman M, Noszticzius Z

2 Perturbation of the oscillatory Belousov-Zhabotinsky reaction with polyethylene glycol

ABSTR PAP AM CHEM SOC 224: 382-POL (2002)

Ivan K, Kirschner N, Wittmann M, Simon PL, Jakab V, Noszticzius Z, Merkin JH, Scott SK

Direct evidence for fixed ionic groups in the hydrogel of an electrolyte diode

PHYS CHEM CHEM PHYS 4: 1339-1347 (2002)

IF: 1.838

\*1. Ivan K, Wittmann M, Simon PL, et al.

[Electrolyte diodes and hydrogels: Determination of concentration and pK value of fixed acidic groups in a weakly charged hydrogel](#)

3 PHYSICAL REVIEW E 70 (6): Art. No. 061402 Part 1 DEC 2004

2. Lokuge IS, Bohn PW

[Voltage-tunable volume transitions in nanoscale films of poly\(hydroxyethyl methacrylate\) surfaces grafted onto gold](#)

LANGMUIR 21 (5): 1979-1985 MAR 1 2005

2001

Hegedus L, Wittmann M, Noszticzius Z, Yan SH, Sirimungkala A, Forsterling HD, Field RJ

HPLC analysis of complete BZ systems. Evolution of the chemical composition in cerium and ferroin

4 catalysed batch oscillators: experiments and model calculations

FARADAY DISCUSS 120: 21-38 (2001)

IF: 3.261

Független idéző: 2

1.Hantz P

Germinating surfaces in reaction-diffusion systems? Experiments and a hypothesis

JOURNAL OF CHEMICAL PHYSICS, 117: 6646-6654 (2002)

2.Taylor A F

PROG REACT KINET MEC, 27: (4) 247-325 (2002)

3.Kumli PI, Burger M, Hauser MJB, et al.

[Oscillations in the Belousov-Zhabotinsky reaction with sorbitol in the presence of bromine](#)

PHYSICAL CHEMISTRY CHEMICAL PHYSICS 5 (24): 5454-5458 DEC 15 2003

\*4.Pelle K, Wittmann M, Noszticzius Z, et al.

[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)

JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003

\*5.Lombardo R, Sbriziolo C, Liveri MLT, et al.

[Perturbation of the oscillatory Belousov-Zhabotinsky reaction with polyethylene glycol](#)

ACS SYMPOSIUM SERIES 869: 292-308 2004

\*6.Pelle K, Wittmann M, Lovrics K, et al.

[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub>- with oxalic acid](#)

JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004

\*7.Pelle K, Wittmann M, Lovrics K, et al.

[Mechanistic investigations on the Belousov-Zhabotinsky reaction with oxalic acid substrate. 2. Measuring and modeling the oxalic acid-bromine chain reaction and simulating the complete oscillatory system](#)

JOURNAL OF PHYSICAL CHEMISTRY A 108 (37): 7554-7562 SEP 16 2004

8.Kasuya M, Hatanaka K, Hobley J, et al.

[Density changes accompanying wave propagation in the cerium-catalyzed Belousov-Zhabotinsky reaction](#)

JOURNAL OF PHYSICAL CHEMISTRY A 109 (7): 1405-1410 FEB 24 2005

2000

Merkin JH, Simon PL, Noszticzius Z

Analysis of the electrolyte diode. Electro-diffusion and chemical reaction within a hydrogel reactor

J MATH CHEM 28: 43-58 (2000)

IF: 0.817

Függo idézo: 1

5 \*1.Ivan K, Kirschner N, Wittmann M, Simon PL, Jakab V, Noszticzius Z, Merkin JH, Scott SK

Direct evidence for fixed ionic groups in the hydrogel of an electrolyte diode

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1339-1347 (2002)

\*2. Ivan K, Wittmann M, Simon PL, et al.

[Electrolyte diodes and hydrogels: Determination of concentration and pK value of fixed acidic groups in a weakly charged hydrogel](#)

PHYSICAL REVIEW E 70 (6): Art. No. 061402 Part 1 DEC 2004

Kirschner N, Simon PL, Wittman M, Noszticzius Z, Merkin J

Acid-base diodes in a hydrogel medium. Nonlinear response for mono- and divalent contaminating ions: theory and experiments

MACROMOL SYMP 160: 167-173 (2000)

6 IF: 0.406

Függo idézo: 1

Ivan K, Kirschner N, Wittmann M, Simon PL, Jakab V, Noszticzius Z, Merkin JH, Scott SK

\* 1. Direct evidence for fixed ionic groups in the hydrogel of an electrolyte diode

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1339-1347 (2002)

7 Hegedús L, Forsterling HD, Kókai E, Pelle K, Taba G, Wittmann M, Noszticzius Z

Chemical mechanism of the radical feedback loop in the classical BZ reaction. Malonyl bromite and oxalic

- acid as flow-through intermediates  
PHYS CHEM CHEM PHYS 2: 4023-4028 (2000)  
IF: 1.653  
Független idéző: 1 Függo idéző: 1 Összesen: 2
- \*1. Hegedus L, Wittmann M, Noszticzius Z, Yan SH, Sirimungkala A, Forsterling HD, Field RJ  
HPLC analysis of complete BZ systems. Evolution of the chemical composition in cerium and ferroin catalysed batch oscillators: experiments and model calculations  
FARADAY DISCUSSIONS, 120: 21-38 (2001)
  - 2. Taylor A F  
PROG REACT KINET MEC, 27: (4) 247-325 (2002)
  - \*3. Pelle K, Wittmann M, Noszticzius Z, et al.  
[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003
  - \*4. Pelle K, Wittmann M, Lovrics K, et al.  
[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub>- with oxalic acid](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004
- Hegedus L, Forsterling HD, Wittmann M, Noszticzius Z  
Ce<sup>4+</sup>-malonic acid reaction in the presence of O<sub>2</sub>. Reaction channels leading to tartronic and oxalic acid intermediates  
J PHYS CHEM A 104: 9914-9920 (2000)  
IF: 2.754  
Független idéző: 1 Függo idéző: 1 Összesen: 2
- 8
- \* 1. Hegedus L, Wittmann M, Noszticzius Z, Yan SH, Sirimungkala A, Forsterling HD, Field RJ  
HPLC analysis of complete BZ systems. Evolution of the chemical composition in cerium and ferroin catalysed batch oscillators: experiments and model calculations  
FARADAY DISCUSSIONS, 120: 21-38 (2001)
  - 2. Sagues F Epstein I R  
DALTON T, 7: 1201-1217 (2003)
- 1999
- Volford P, Simon PL, Farkas H, Noszticzius Z  
Rotating chemical waves: theory and experiments  
PHYSICA A 274: 30-49 (1999)  
IF: 1.289  
Független idéző: 1
- 1. Kheowan OU, Gaspar V, Zykov VS, Muller SC  
Measurements of kinematical parameters of spiral waves in media of low excitability  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 3: 4747-4752 (2001)
  - 2. Kiss IZ, Hudson JL  
[Chemical complexity: Spontaneous and engineered structures](#)  
AIChE JOURNAL 49 (9): 2234-2241 SEP 2003
  - 3. Kaly-Kullai K  
[A fast method to simulate travelling waves in nonhomogeneous chemical or biological media](#)  
JOURNAL OF MATHEMATICAL CHEMISTRY 34 (3-4): 163-176 NOV 2003
- Nagygyöry S, Wittmann M, Pintér S, Visegrády A, Dancsó A, Thuy NB, Noszticzius Z, Hegedus L, Forsterling HD  
Alternative reaction channels and carbene intermediates in the Ce<sup>4+</sup>-malonic acid and Ce<sup>4+</sup>-bromomalonic acid reactions. 1. CO<sub>2</sub> measurements  
J PHYS CHEM A 103: 4885-4892 (1999)  
IF: 2.695
- 10 Független idéző: 2 Függo idéző: 3 Összesen: 5
- \*1. Hegedus L, Forsterling HD, Wittmann M, Noszticzius Z  
Ce<sup>4+</sup>-malonic acid reaction in the presence of O<sub>2</sub>. Reaction channels leading to tartronic and oxalic acid intermediates  
JOURNAL OF PHYSICAL CHEMISTRY A, 104: 9914-9920 (2000)

- \*2. Hegedus L, Forsterling HD, Kokai E, Pelle K, Taba G, Wittmann M, Noszticzius Z  
Chemical mechanism of the radical feedback loop in the classical BZ reaction. Malonyl bromite and oxalic acid as flow- through intermediates  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 4023-4028 (2000)
- \*3. Hegedus L, Wittmann M, Noszticzius Z, Yan SH, Sirimungkala A, Forsterling HD, Field RJ  
HPLC analysis of complete BZ systems. Evolution of the chemical composition in cerium and ferroin catalysed batch oscillators: experiments and model calculations  
FARADAY DISCUSSIONS, 120: 21-38 (2001)
4. Wang WF, Schuchmann MN, Schuchmann HP, von Sonntag C  
The importance of mesomerism in the termination of alpha- carboxymethyl radicals from aqueous malonic and acetic acids  
CHEMISTRY-A EUROPEAN JOURNAL, 7: 791-795 (2001)
5. Taylor A F  
PROG REACT KINET MEC, 27: (4) 247-325 (2002)
- \*6. Pelle K, Wittmann M, Noszticzius Z, et al.  
[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003
7. Banerjee D  
[A survey of progress on rates and mechanisms of reactions of metal complexes](#)  
JOURNAL OF THE INDIAN CHEMICAL SOCIETY 80 (5): 459-472 MAY 2003
8. Lombardo R, Sbriziolo C, Liveri MLT, et al.  
[Perturbation of the oscillatory Belousov-Zhabotinsky reaction with polyethylene glycol](#)  
ACS SYMPOSIUM SERIES 869: 292-308 2004
- \*9. Pelle K, Wittmann M, Lovrics K, et al.  
[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub><sup>-</sup> with oxalic acid](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004
10. Kasuya M, Hatanaka K, Hoblely J, et al.  
[Density changes accompanying wave propagation in the cerium-catalyzed Belousov-Zhabotinsky reaction](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 109 (7): 1405-1410 FEB 24 2005

Hegedus L, Kirschner N, Wittmann M, Simon P, Noszticzius Z, Amemiya T, Ohmori T, Yamaguchi T  
Nonlinear effects of electrolyte diodes and transistors in a polymer gel medium  
CHAOS 9: 283-297 (1999)  
IF: 2.006

Független idéző: 3 Függo idéző: 3 Összesen: 6

11

- \*1. Kirschner N, Simon PL, Wittman M, Noszticzius Z, Merkin J  
Acid-base diodes in a hydrogel medium. Nonlinear response for mono- and divalent contaminating ions: theory and experiments  
MACROMOLECULAR SYMPOSIA, 160: 167-173 (2000)
- \*2. Merkin JH, Simon PL, Noszticzius Z  
Analysis of the electrolyte diode. Electro-diffusion and chemical reaction within a hydrogel reactor  
JOURNAL OF MATHEMATICAL CHEMISTRY, 28: 43-58 (2000)
3. Harrison, Nicolis, Westerhoff, Epstein, Hanke, Orban, Noszticzius, Showalter, Schreiber, Scott, Dewel, Menzinger, Gaspar, Sorensen, Muller, Hauser, Wang, Liveri T, Satnoianu, Wittmann, Munster, Lombardo, Snita, Feigin, Mayama, de Lima F  
General discussion  
FARADAY DISCUSSIONS, 120: 85-104 (2001)
4. Snita D, Paces M, Lindner J, Kosek J, Marek M  
Nonlinear behaviour of simple ionic systems in hydrogel in an electric field  
FARADAY DISCUSSIONS, 120: 53-66 (2001)
- \*5. Ivan K, Kirschner N, Wittmann M, Simon PL, Jakab V, Noszticzius Z, Merkin JH, Scott SK  
Direct evidence for fixed ionic groups in the hydrogel of an electrolyte diode  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1339-1347 (2002)
6. Lindner J, Snita D, Marek M  
Modelling of ionic systems with a narrow acid base boundary  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1348-1354 (2002)

\*7. Ivan K, Wittmann M, Simon PL, et al.  
[Electrolyte diodes and hydrogels: Determination of concentration and pK value of fixed acidic groups in a weakly charged hydrogel](#)  
PHYSICAL REVIEW E 70 (6): Art. No. 061402 Part 1 DEC 2004  
Times Cited: 0

1998

Volford A, Noszticzius Z, Krinsky V, Dupont C, Lazar A, Forsterling HD  
Amplitude control of chemical waves in catalytic membranes. Asymmetric wave propagation between zones loaded with different catalyst concentrations  
J PHYS CHEM A 102: 8355-8361 (1998)  
IF: 1.950

Független idéző: 2 Függo idéző: 1 Összesen: 3

Volford P, Simon PL, Farkas H, Noszticzius Z

12 \* 1. Rotating chemical waves: theory and experiments  
PHYSICA A, 274: 30-49 (1999)

Sozuki K, Yoshinobu T, Iwasaki H

2. Diffusive propagation of chemical waves through a microgap  
JOURNAL OF PHYSICAL CHEMISTRY A, 104: 5154-5159 (2000)

Suzuki K, Yoshinobu T, Iwasaki H

3. Unidirectional propagation of chemical waves through microgaps between zones with different excitability  
JOURNAL OF PHYSICAL CHEMISTRY A, 104: 6602-6608 (2000)

Szalai I, Forsterling HD, Noszticzius Z

HPLC studies on the photochemical formation of free radicals from malonic acid  
J PHYS CHEM A 102: 3118-3120 (1998)

IF: 1.950

Független idéző: 1 Függo idéző: 3 Összesen: 4

\*1. Hegedüs L, Forsterling HD, Wittmann M, Noszticzius Z

Ce<sup>4+</sup>-malonic acid reaction in the presence of O<sub>2</sub>. Reaction channels leading to tartronic and oxalic acid intermediates

JOURNAL OF PHYSICAL CHEMISTRY A, 104: 9914-9920 (2000)

\*2. Hegedüs L, Forsterling HD, Kokai E, Pelle K, Taba G, Wittmann M, Noszticzius Z

Chemical mechanism of the radical feedback loop in the classical BZ reaction. Malonyl bromite and oxalic acid as flow- through intermediates

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 4023-4028 (2000)

\*3. Hegedüs L, Wittmann M, Noszticzius Z, Yan SH, Sirimungkala A, Forsterling HD, Field RJ

13 HPLC analysis of complete BZ systems. Evolution of the chemical composition in cerium and ferrioxal catalysed batch oscillators: experiments and model calculations  
FARADAY DISCUSSIONS, 120: 21-38 (2001)

4. Wang WF, Schuchmann MN, Schuchmann HP, von Sonntag C

The importance of mesomerism in the termination of alpha- carboxymethyl radicals from aqueous malonic and acetic acids  
CHEMISTRY-A EUROPEAN JOURNAL, 7: 791-795 (2001)

5. Guo XM, Sturgeon RE, Mester Z, et al.

[UV light-mediated alkylation of inorganic selenium](#)  
APPLIED ORGANOMETALLIC CHEMISTRY 17 (8): 575-579 AUG 2003

6. Guo XM, Sturgeon RE, Mester Z, et al.

[Photochemical alkylation of inorganic selenium in the presence of low molecular weight organic acids](#)  
ENVIRONMENTAL SCIENCE & TECHNOLOGY 37 (24): 5645-5650 DEC 15 2003

\*7. Pelle K, Wittmann M, Lovrics K, et al.

[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub><sup>-</sup> with oxalic acid](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004

Osolonovitch J, Forsterling HD, Wittmann M, Noszticzius Z

14 HPLC studies on the organic subset of the oscillatory BZ reaction. 3. Products of the Ce<sup>4+</sup>-bromomalonic acid reaction

J PHYS CHEM A 102: 922-927 (1998)

IF: 1.950

Független idéző: 6 Függo idéző: 6 Összesen: 12

1. Anon

GAS-CHROMATOGRAPHY

JOURNAL OF CHROMATOGRAPHY, 335: B87-B115 (1985)

\*2. Nagygyory S, Wittmann M, Pinter S, Visegrady A, Dancso A, Thuy NB, Noszticzus Z, Hegedus L, Forsterling HD

Alternative reaction channels and carbene intermediates in the Ce<sup>4+</sup>-malonic acid and Ce<sup>4+</sup>-bromomalonic acid reactions. 1. CO<sub>2</sub> measurements

JOURNAL OF PHYSICAL CHEMISTRY A, 103: 4885-4892 (1999)

\*3. Petrascu AM, Koch Mhj, Forsterling HD

Effect of oxygen on the Belousov-Zhabotinsky reaction at low cerium concentrations

JOURNAL OF PHYSICAL CHEMISTRY A, 103: 6757-6765 (1999)

\*4. Sirimungkala A, Forsterling HD, Dlask V, Field RJ

Bromination reactions important in the mechanism of the Belousov-Zhabotinsky system

JOURNAL OF PHYSICAL CHEMISTRY A, 103: 1038-1043 (1999)

5. Crouch SR, Scheeline A, Kirkor ES

Kinetic determinations and some kinetic aspects of analytical chemistry

ANALYTICAL CHEMISTRY, 72: 53R-70R (2000)

\*6. Hegediis L, Forsterling HD, Wittmann M, Noszticzus Z

Ce<sup>4+</sup>-malonic acid reaction in the presence of O<sub>2</sub>. Reaction channels leading to tartronic and oxalic acid intermediates

JOURNAL OF PHYSICAL CHEMISTRY A, 104: 9914-9920 (2000)

\*7. Hegedus L, Forsterling HD, Kokai E, Pelle K, Taba G, Wittmann M, Noszticzus Z

Chemical mechanism of the radical feedback loop in the classical BZ reaction. Malonyl bromite and oxalic acid as flow-through intermediates

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 4023-4028 (2000)

8. Vanag VK, Zhabotinsky AM, Epstein IR

Pattern formation in the Belousov-Zhabotinsky reaction with photochemical global feedback

JOURNAL OF PHYSICAL CHEMISTRY A, 104: 11566-11577 (2000)

\*9. Hegedus L, Wittmann M, Noszticzus Z, Yan SH, Sirimungkala A, Forsterling HD, Field RJ

HPLC analysis of complete BZ systems. Evolution of the chemical composition in cerium and ferrioxal catalysed batch oscillators: experiments and model calculations

FARADAY DISCUSSIONS, 120: 21-38 (2001)

10. Wang WF, Schuchmann MN, Schuchmann HP, von Sonntag C

The importance of mesomerism in the termination of alpha-carboxymethyl radicals from aqueous malonic and acetic acids

CHEMISTRY-A EUROPEAN JOURNAL, 7: 791-795 (2001)

11. Taylor A F

PROG REACT KINET MEC, 27: (4) 247-325 (2002)

12. Sagues F, Epstein I R

DALTON T, 7: 1201-1217 (2003)

\*13. Pelle K, Wittmann M, Noszticzus Z, et al.

[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)

JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003

14. Biswas S, Mukherjee K, Mukherjee DC, et al.

[A comprehensive report on the study of B-Z oscillatory reactions BrO<sub>3</sub><sup>-</sup>-GA and BrO<sub>3</sub><sup>-</sup>-oxalic acid-acetone systems](#)

JOURNAL OF THE INDIAN CHEMICAL SOCIETY 80 (5): 479-498 MAY 2003

\*15. Pelle K, Wittmann M, Lovrics K, et al.

[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub><sup>-</sup> with oxalic acid](#)

JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004

- 15 Kirschner N, Hegedus L, Wittmann M, Noszticzus Z  
Nonlinear "salt-effect" in an electrolyte diode. Theory and experiments



ACH MODELS CHEM 135: 279-286 (1998)  
IF: 0.375

Hegedűs L, Kirschner N, Wittmann M, Noszticzius Z  
Electrolyte transistors: Ionic reaction-diffusion systems with amplifying properties  
J PHYS CHEM A 102: 6491-6497 (1998)

IF: 1.950

Független idéző: 2 Függo idéző: 4 Összesen: 6

\*1.Hegedus L, Kirschner N, Wittmann M, Simon P, Noszticzius Z, Amemiya T, Ohmori T, Yamaguchi T  
Nonlinear effects of electrolyte diodes and transistors in a polymer gel medium  
CHAOS, 9: 283-297 (1999)

\*2.Kirschner N, Simon PL, Wittman M, Noszticzius Z, Merkin J  
Acid-base diodes in a hydrogel medium. Nonlinear response for mono- and divalent contaminating ions:  
theory and experiments  
MACROMOLECULAR SYMPOSIA, 160: 167-173 (2000)

\*3.Merkin JH, Simon PL, Noszticzius Z  
Analysis of the electrolyte diode. Electro-diffusion and chemical reaction within a hydrogel reactor  
JOURNAL OF MATHEMATICAL CHEMISTRY, 28: 43-58 (2000)

16 4.Harrison, Nicolis, Westerhoff, Epstein, Hanke, Orban, Noszticzius, Showalter, Schreiber, Scott, Dewel,  
Menzinger, Gaspar, Sorensen, Muller, Hauser, Wang, Liveri T, Satnoianu, Wittmann, Munster,  
Lombardo, Snita, Feigin, Mayama, de Lima F

General discussion

FARADAY DISCUSSIONS, 120: 85-104 (2001)

5.Snita D, Paces M, Lindner J, Kosek J, Marek M  
Nonlinear behaviour of simple ionic systems in hydrogel in an electric field  
FARADAY DISCUSSIONS, 120: 53-66 (2001)

\*6.Ivan K, Kirschner N, Wittmann M, Simon PL, Jakab V, Noszticzius Z, Merkin JH, Scott SK  
Direct evidence for fixed ionic groups in the hydrogel of an electrolyte diode  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1339-1347 (2002)

\*7. Ivan K, Wittmann M, Simon PL, et al.

[Electrolyte diodes and hydrogels: Determination of concentration and pK value of fixed acidic groups in a weakly charged hydrogel](#)

PHYSICAL REVIEW E 70 (6): Art. No. 061402 Part 1 DEC 2004

1997

Volford A, Wittmann M, Marlovits G, Noszticzius Z, Gáspár V  
Platinum as a chlorine dioxide chlorite redox electrode in ClO<sub>2</sub>-based oscillating reactions and a new  
semibatch oscillator: The ClO<sub>2</sub>-acetone system with I inflow  
J PHYS CHEM B 101: 3720-3726 (1997)

Független idéző: 2 Függo idéző: 1 Összesen: 3

Crouch SR, Cullen TF, Scheeline A, Kirkor ES

17 1. Kinetic determinations and some kinetic aspects of analytical chemistry  
ANALYTICAL CHEMISTRY, 70: 53R-106R (1998)

Davies PW, Blanchedeau P, Dulos E, de Kepper P

2. Dividing blobs, chemical flowers, and patterned islands in a reaction-diffusion system  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 8236-8244 (1998)

Hegedus L, Kirschner N, Wittmann M, Noszticzius Z

\* 3. Electrolyte transistors: Ionic reaction-diffusion systems with amplifying properties  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 6491-6497 (1998)

Lazar A, Forsterling HD, Farkas H, Simon P, Volford A, Noszticzius Z  
WAVES OF EXCITATION ON NONUNIFORM MEMBRANE RINGS, CAUSTICS AND REVERSE  
INVOLUTES

18 CHAOS 7: 731-737 (1997)

IF: 1.366

Független idéző: 6 Függo idéző: 3 Összesen: 9

- \*1. Hegedus L, Kirschner N, Wittmann M, Noszticzius Z  
Electrolyte transistors: Ionic reaction-diffusion systems with amplifying properties  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 6491-6497 (1998)
- \*2. Volford A, Noszticzius Z, Krinsky V, Dupont C, Lazar A, Forsterling HD  
Amplitude control of chemical waves in catalytic membranes. Asymmetric wave propagation between zones loaded with different catalyst concentrations  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 8355-8361 (1998)
- \*3. Volford P, Simon PL, Farkas H, Noszticzius Z  
Rotating chemical waves: theory and experiments  
PHYSICA A, 274: 30-49 (1999)
4. Yoshida R, Onodera S, Yamaguchi T, Kokufuta E  
Aspects of the Belousov-Zhabotinsky reaction in polymer gels  
JOURNAL OF PHYSICAL CHEMISTRY A, 103: 8573-8578 (1999)
5. Nagai Y, Gonzalez H, Shrier A, Glass L  
PHYS REV LETT, 84: (18) 4248-4251 (2000)
6. Kheowan OU, Gaspar V, Zykov VS, Muller SC  
Measurements of kinematical parameters of spiral waves in media of low excitability  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 3: 4747-4752 (2001)
7. Toth, Boissonade, Scott, Westerhoff, Jonnalagadda, Gaspar, Trevelyan, Showalter, Snita, Marek, Mayama, Dewel, Simon, Sorensen, Epstein, Satnoianu, Harrison, Merkin, Hemming, Hantz, Noszticzius, Muller, Hauser, Sielewiesiuk, Merkin  
General discussion  
FARADAY DISCUSSIONS, 120: 407-419 (2001)
8. Hantz P  
Regular microscopic patterns produced by simple reaction- diffusion systems  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1262-1267 (2002)
9. Li XJ, Kevrekidis IG, Pollmann M, Papanthanasίου AG, Rotermund HH  
Front initiation on microdesigned composite catalysts  
CHAOS, 12: 190-203 (2002)
10. Kaly-Kullai K  
[A fast method to simulate travelling waves in nonhomogeneous chemical or biological media](#)  
JOURNAL OF MATHEMATICAL CHEMISTRY 34 (3-4): 163-176 NOV 2003  
Times Cited: 0
- \*11. Pelle K, Wittmann M, Noszticzius Z, et al.  
[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003

1996

- Sirimungkala A, Forsterling HD, Noszticzius Z  
HPLC studies on the organic subset of the oscillatory BZ reaction. 2. Two different types of malonyl radicals in the Ce<sup>4+</sup>-malonic acid reaction  
J PHYS CHEM 100: 3051-3055 (1996)  
IF: 3.366  
Független idézo: 11 Függo idézo: 8 Összesen: 19

19

1. Sevcikova H, Schreiber I, Marek M  
Dynamics of oxidation Belousov-Zhabotinsky waves in an electric field?  
JOURNAL OF PHYSICAL CHEMISTRY, 100: 19153-19164 (1996)
2. Kvernberg PO, Hansen EW, Pedersen B, Rasmussen A, Ruoff P  
Oxidation of methylmalonic acid by cerium(IV). Evidence for parallel reaction pathways  
JOURNAL OF PHYSICAL CHEMISTRY A, 101: 2327-2331 (1997)
3. Crouch SR, Cullen TF, Scheeline A, Kirkor ES  
Kinetic determinations and some kinetic aspects of analytical chemistry



- ANALYTICAL CHEMISTRY, 70: 53R-106R (1998)
- 4.Lee SS, Jwo JJ  
Kinetic study of the Ce(III)- or Mn(II)-catalyzed Belousov- Zhabotinsky reactions with mixed organic acid/ketone substrates  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 30: 595-604 (1998)
- 5.Misra GP, Washington RP, Pojman JA  
New experimental and computational results on the radical- controlled oscillating Belousov-Zhabotinsky reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 612-619 (1998)
- \*6.Oslonovitch J, Forsterling HD, Wittmann M, Noszticzius Z  
HPLC studies on the organic subset of the oscillatory BZ reaction .3. Products of the Ce<sup>4+</sup>-bromomalonic acid reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 922-927 (1998)
- 7.Ruoff P, Bjornstad A, Jakobsen M  
Complete UV-visible photoluminescence spectrum of aqueous Ce(III)  
CHEMICAL PHYSICS LETTERS, 291: 249-251 (1998)
- 8.Stanisavljev D, Begovic N, Zujovic Z, Vucelic D, Bacic G  
H-1 NMR monitoring of water behavior during the Bray-Liebhafsky oscillatory reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 6883-6886 (1998)
- \*9.Szalai I, Forsterling HD, Noszticzius Z  
HPLC studies on the photochemical formation of free radicals from malonic acid  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 3118-3120 (1998)
- \*10.Nagygyory S, Wittmann M, Pinter S, Visegrady A, Dancso A, Thuy NB, Noszticzius Z, Hegedus L, Forsterling HD  
Alternative reaction channels and carbene intermediates in the Ce<sup>4+</sup>-malonic acid and Ce<sup>4+</sup>-bromomalonic acid reactions. 1. CO<sub>2</sub> measurements  
JOURNAL OF PHYSICAL CHEMISTRY A, 103: 4885-4892 (1999)
- \*11.Petrascu AM, Koch Mhj, Forsterling HD  
Effect of oxygen on the Belousov-Zhabotinsky reaction at low cerium concentrations  
JOURNAL OF PHYSICAL CHEMISTRY A, 103: 6757-6765 (1999)
- \*12.Sirimungkala A, Forsterling HD, Dlask V, Field RJ  
Bromination reactions important in the mechanism of the Belousov-Zhabotinsky system  
JOURNAL OF PHYSICAL CHEMISTRY A, 103: 1038-1043 (1999)
- \*13.Hegediis L, Forsterling HD, Wittmann M, Noszticzius Z  
Ce<sup>4+</sup>-malonic acid reaction in the presence of O<sub>2</sub>. Reaction channels leading to tartronic and oxalic acid intermediates  
JOURNAL OF PHYSICAL CHEMISTRY A, 104: 9914-9920 (2000)
- \*14.Hegedus L, Forsterling HD, Kokai E, Pelle K, Taba G, Wittmann M, Noszticzius Z  
Chemical mechanism of the radical feedback loop in the classical BZ reaction. Malonyl bromite and oxalic acid as flow- through intermediates  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 4023-4028 (2000)
- 15.Hsu WT, Jwo JJ  
Kinetic study of the Ce(III)-, Mn(II)- or Fe(phen)<sub>3</sub>(2+)- catalyzed Belousov-Zhabotinsky reaction with ethyl hydrogen malonate  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 32: 52-61 (2000)
- 16.Vanag VK, Zhabotinsky AM, Epstein IR  
Role of dibromomalonic acid in the photosensitivity of the Ru(bpy)<sub>3</sub>(2+)-catalyzed Belousov-Zhabotinsky reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 104: 8207-8215 (2000)
- \*17.Hegedus L, Wittmann M, Noszticzius Z, Yan SH, Sirimungkala A, Forsterling HD, Field RJ  
HPLC analysis of complete BZ systems. Evolution of the chemical composition in cerium and ferroin catalysed batch oscillators: experiments and model calculations  
FARADAY DISCUSSIONS, 120: 21-38 (2001)
- 18.Wang WF, Schuchmann MN, Schuchmann HP, von Sonntag C  
The importance of mesomerism in the termination of alpha- carboxymethyl radicals from aqueous malonic and acetic acids

CHEMISTRY-A EUROPEAN JOURNAL, 7: 791-795 (2001)

19. Taylor A F

PROG REACT KINET MEC, 27: (4) 247-325 (2002)

\*20. Pelle K, Wittmann M, Noszticzius Z, et al.

[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)

JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003

\*21. Pelle K, Wittmann M, Lovrics K, et al.

[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub><sup>-</sup> with oxalic acid](#)

JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004

22. Kasuya M, Hatanaka K, Hobley J, et al.

[Density changes accompanying wave propagation in the cerium-catalyzed Belousov-Zhabotinsky reaction](#)

JOURNAL OF PHYSICAL CHEMISTRY A 109 (7): 1405-1410 FEB 24 2005

Simon PL, Thuy NB, Farkas H, Noszticzius Z

Application of the parametric representation method to construct bifurcation diagrams for highly non-linear chemical dynamical systems

J CHEM SOC FARADAY T 92: 2865-2871 (1996)

IF: 1.663

Függo idézo: 2

20

Simon PL, Farkas H, Wittmann M

\* 1. Constructing global bifurcation diagrams by the parametric representation method

JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, 108: 157-176 (1999)

Simon PL, Hild E, Farkas H

\* 2. Relationships between the discriminant curve and other bifurcation diagrams

JOURNAL OF MATHEMATICAL CHEMISTRY, 29: 245-265 (2001)

Lázár A, Forsterling HD, Volford A, Noszticzius Z

Refraction of chemical waves propagating in modified membranes

J CHEM SOC FARADAY T 92: 2903-2909 (1996)

IF: 1.663

Független idézo: 7 Függo idézo: 3 Összesen: 10

Lazar A, Forsterling HD, Farkas H, Simon P, Volford A, Noszticzius Z

\* 1. Waves of excitation on nonuniform membrane rings, caustics, and reverse involutes

CHAOS, 7: 731-737 (1997)

2. Sieniutycz S, Farkas F

CHEM ENG SCI, 52: (17) 2927-2945 (1997)

Huyet G, Dupont C, Corriol T, Krinsky V

3. Unpinning of a vortex in a chemical excitable medium

INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, 8: 1315-1323 (1998)

Volford A, Noszticzius Z, Krinsky V, Dupont C, Lazar A, Forsterling HD

21 \* 4. Amplitude control of chemical waves in catalytic membranes. Asymmetric wave propagation between zones loaded with different catalyst concentrations

JOURNAL OF PHYSICAL CHEMISTRY A, 102: 8355-8361 (1998)

Yamaguchi T, Kusumi T, Aliev RR, Amemiya T, Ohmori T, Nakaiwa M, Urabe K, Kinugasa S,

5. Hashimoto H, Yoshikawa K

Unidirectionality of chemical diode

ACH-MODELS IN CHEMISTRY, 135: 401-408 (1998)

Volford P, Simon PL, Farkas H, Noszticzius Z

\* 6. Rotating chemical waves: theory and experiments

PHYSICA A, 274: 30-49 (1999)

Sieniutycz S

7. Hamilton-Jacobi-Bellman framework for optimal control in multistage energy systems

PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS, 326: 166-258 (2000)

Toth R, Gaspar V, Belmonte A, Connell MC, Taylor A, Scott SK

8. Wave initiation in the ferroin-catalysed Belousov-Zhabotinsky reaction with visible light

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 413-416 (2000)

- Toth, Boissonade, Scott, Westerhoff, Jonnalagadda, Gaspar, Trevelyan, Showalter, Snita, Marek, Mayama, Dewel, Simon, Sorensen, Epstein, Satnoianu, Harrison, Merkin, Hemming, Hantz,
9. Noszticzius, Muller, Hauser, Sielewiesiuk, Merkin  
General discussion  
FARADAY DISCUSSIONS, 120: 407-419 (2001)
10. Taylor A F  
PROG REACT KINET MEC, 27: (4) 247-325 (2002)
- Hegedűs L, Wittmann M, Kirschner N, Noszticzius Z
- 22 Reaction, diffusion, electric conduction and determination of fixed ions in a hydrogel  
PROG COLL POLYM SCI 102: 101-109 (1996)  
IF: 1.255
- Dajka J, Károly T, Nagy IP, Gáspár V, Noszticzius Z  
Transition between circular fronts and spiral waves in marginally excitable media  
J CHEM SOC FARADAY T 92: 2897-2901 (1996)  
IF: 1.663  
Független idéző: 2
- Belmonte AL, Qi OY, Flesselles JM
- 23 1. Experimental survey of spiral dynamics in the Belousov- Zhabotinsky reaction  
JOURNAL DE PHYSIQUE II, 7: 1425-1468 (1997)
- Toth, Boissonade, Scott, Westerhoff, Jonnalagadda, Gaspar, Trevelyan, Showalter, Snita, Marek, Mayama, Dewel, Simon, Sorensen, Epstein, Satnoianu, Harrison, Merkin, Hemming, Hantz, Noszticzius,
2. Muller, Hauser, Sielewiesiuk, Merkin  
General discussion  
FARADAY DISCUSSIONS, 120: 407-419 (2001)
- 1995
- Marlovits G, Wittmann M, Noszticzius Z, Gaspar V  
A NEW CHEMICAL OSCILLATOR IN A NOVEL OPEN REACTOR - THE ClO<sub>2</sub>-I<sub>2</sub>-ACETONE SYSTEM IN A MEMBRANE FED STIRRED TANK REACTOR  
J PHYS CHEM 99: 5359-5364 (1995)  
IF: 3.395  
Független idéző: 1 Függo idéző: 3 Összesen: 4
- Volford A, Wittmann M, Marlovits G, Noszticzius Z, Gaspar V
- \* 1. Platinum as a chlorine dioxide chlorite redox electrode in ClO<sub>2</sub>-based oscillating reactions and a new semibatch oscillator: The ClO<sub>2</sub>-acetone system with I<sup>-</sup> inflow  
JOURNAL OF PHYSICAL CHEMISTRY B, 101: 3720-3726 (1997)
- 24 Hegedus L, Kirschner N, Wittmann M, Noszticzius Z
- \* 2. Electrolyte transistors: Ionic reaction-diffusion systems with amplifying properties  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 6491-6497 (1998)
- Nagygyory S, Wittmann M, Pinter S, Visegrady A, Dancso A, Thuy NB, Noszticzius Z, Hegedus L, Forsterling HD
- \* 3. Alternative reaction channels and carbene intermediates in the Ce<sup>4+</sup>-malonic acid and Ce<sup>4+</sup>-bromomalonic acid reactions. 1. CO<sub>2</sub> measurements  
JOURNAL OF PHYSICAL CHEMISTRY A, 103: 4885-4892 (1999)
- Frerichs GA, Mlnarik TM, Grun RJ, Thompson RC
4. A new pH oscillator: The chlorite-sulfite-sulfuric acid system in a CSTR  
JOURNAL OF PHYSICAL CHEMISTRY A, 105: 829-837 (2001)
- Lazar A, Noszticzius Z, Farkas H, Forsterling HD  
INVOLUTES - THE GEOMETRY OF CHEMICAL WAVES ROTATING IN ANNULAR MEMBRANES  
CHAOS 5: 443-447 (1995)  
Független idéző: 15 Függo idéző: 8 Összesen: 23
1. Steinbock O, Kettunen P, Showalter K
- 25 ANISOTROPY AND SPIRAL ORGANIZING CENTERS IN PATTERNED EXCITABLE MEDIA  
SCIENCE, 269: 1857-1860 (1995)
- \*2. Dajka J, Karoly T, Nagy IP, Gaspar V, Noszticzius Z  
Transition between circular fronts and spiral waves in marginally excitable media  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 92: 2897-2901 (1996)

- \*3.Lazar A, Forsterling HD, Volford A, Noszticzius Z  
Refraction of chemical waves propagating in modified membranes  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 92: 2903-2909 (1996)
- \*4.Simon PL, Farkas H  
Geometric theory of trigger waves - A dynamical system approach  
JOURNAL OF MATHEMATICAL CHEMISTRY, 19: 301-315 (1996)
- 5.Steinbock O, Kettunen P, Showalter K  
Chemical wave logic gates  
JOURNAL OF PHYSICAL CHEMISTRY, 100: 18970-18975 (1996)
- 6.Steinbock O, Kettunen P  
Chemical clocks on the basis of rotating waves. Measuring irrational numbers from period ratios  
CHEMICAL PHYSICS LETTERS, 251: 305-308 (1996)
- 7.Belmonte AL, Qi OY, Flesselles JM  
Experimental survey of spiral dynamics in the Belousov- Zhabotinsky reaction  
JOURNAL DE PHYSIQUE II, 7: 1425-1468 (1997)
- \*8.Lazar A, Forsterling HD, Farkas H, Simon P, Volford A, Noszticzius Z  
Waves of excitation on nonuniform membrane rings, caustics, and reverse involutes  
CHAOS, 7: 731-737 (1997)
- \*9.Sieniutycz S, Farkas H  
Chemical waves in confined regions by Hamilton-Jacobi-Bellman theory  
CHEMICAL ENGINEERING SCIENCE, 52: 2927-2945 (1997)
- 10.Winfrey AT  
Heart muscle as a reaction-diffusion medium: The roles of electric potential diffusion, activation front curvature, and anisotropy  
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, 7: 487-526 (1997)
- \*11.Hegedus L, Kirschner N, Wittmann M, Noszticzius Z  
Electrolyte transistors: Ionic reaction-diffusion systems with amplifying properties  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 6491-6497 (1998)
- 12.Maselko J  
Symmetrical double rotor spiral waves on spherical surfaces  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 94: 2343-2345 (1998)
- 13.Pota G  
Chemical waves and spatial structures in reaction-diffusion systems  
ACH-MODELS IN CHEMISTRY, 135: 677-748 (1998)
- \*14.Volford A, Noszticzius Z, Krinsky V, Dupont C, Lazar A, Forsterling HD  
Amplitude control of chemical waves in catalytic membranes. Asymmetric wave propagation between zones loaded with different catalyst concentrations  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 8355-8361 (1998)
- 15.Yamaguchi T, Kusumi T, Aliev RR, Amemiya T, Ohmori T, Nakaiwa M, Urabe K, Kinugasa S, Hashimoto H, Yoshikawa K  
Unidirectionality of chemical diode  
ACH-MODELS IN CHEMISTRY, 135: 401-408 (1998)
- 16.Kettunen P, Amemiya T, Ohmori T, Yamaguchi T  
Spontaneous spiral formation in two-dimensional oscillatory media  
PHYSICAL REVIEW E, 60: 1512-1515 (1999)
- 17.Sieniutycz S  
Thermodynamic framework for discrete optimal control in multiphase flow systems  
PHYSICAL REVIEW E, 60: 1520-1534 (1999)
- \*18.Volford P, Simon PL, Farkas H, Noszticzius Z  
Rotating chemical waves: theory and experiments  
PHYSICA A, 274: 30-49 (1999)
- 19.Sieniutycz S  
Hamilton-Jacobi-Bellman framework for optimal control in multistage energy systems  
PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS, 326: 166-258 (2000)
- 20.Simon PL

A retarded differential equation model of wave propagation in a thin ring  
SIAM JOURNAL ON APPLIED MATHEMATICS, 61: 1618-1627 (2001)

21. Zhou LQ, Ouyang Q

Spiral instabilities in a reaction-diffusion system  
JOURNAL OF PHYSICAL CHEMISTRY A, 105: 112-118 (2001)

22. Guo HY, Liao HM, Ouyang Q

Relation between the wave front and the tip movement of spirals  
PHYSICAL REVIEW E, 66: art. no.-026104 (2002)

23. Li XJ, Kevrekidis IG, Pollmann M, Papanthanasίου AG, Rotermund HH

Front initiation on microdesigned composite catalysts  
CHAOS, 12: 190-203 (2002)

24. Kaly-Kullai K

[A fast method to simulate travelling waves in nonhomogeneous chemical or biological media](#)

JOURNAL OF MATHEMATICAL CHEMISTRY 34 (3-4): 163-176 NOV 2003

25. Zhou LQ, Zhang CX, Ouyang Q

[Spiral instabilities in a reaction diffusion system](#)

INTERNATIONAL JOURNAL OF MODERN PHYSICS B 17 (22-24): 4072-4085 Part 1 SEP 30 2003

26. Wang XN, Lu Y, Jiang MX, et al.

[Attraction of spiral waves by localized inhomogeneities with small-world connections in excitable media](#)

PHYSICAL REVIEW E 69 (5): Art. No. 056223 Part 2 MAY 2004

Lázár A, Noszticzius Z, Forsterling HD, Nagyungvárai Z

CHEMICAL WAVES IN MODIFIED MEMBRANES 1. DEVELOPING THE TECHNIQUE

PHYSICA D 84: 112-119 (1995)

IF: 1.572

Független idéző: 29 Függo idéző: 5 Összesen: 34

Belmonte A, Flesselles JM

1. NONSTEADY BEHAVIOR OF A SPIRAL UNDER A CONSTANT-CURRENT

EUROPHYSICS LETTERS, 32: 267-272 (1995)

Steinbock O, Kettunen P, Showalter K

2. ANISOTROPY AND SPIRAL ORGANIZING CENTERS IN PATTERNED EXCITABLE MEDIA

SCIENCE, 269: 1857-1860 (1995)

Belmonte A, Flesselles JM, Ouyang Q

3. Spiral instability to line sources in forced chemical pattern turbulence

EUROPHYSICS LETTERS, 35: 665-670 (1996)

Dajka J, Karoly T, Nagy IP, Gaspar V, Noszticzius Z

26 \* 4. Transition between circular fronts and spiral waves in marginally excitable media

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 92: 2897-2901 (1996)

Johnson BR, Scott SK

5. New approaches to chemical patterns

CHEMICAL SOCIETY REVIEWS, 25: 265-& (1996)

Steinbock O, Kettunen P, Showalter K

6. Chemical wave logic gates

JOURNAL OF PHYSICAL CHEMISTRY, 100: 18970-18975 (1996)

Steinbock O, Kettunen P

7. Chemical clocks on the basis of rotating waves. Measuring irrational numbers from period ratios

CHEMICAL PHYSICS LETTERS, 251: 305-308 (1996)

Belmonte AL, Qi OY, Flesselles JM

8. Experimental survey of spiral dynamics in the Belousov- Zhabotinsky reaction

JOURNAL DE PHYSIQUE II, 7: 1425-1468 (1997)

\* 9. Lazar A, Forsterling HD, Farkas H, Simon P, Volford A, Noszticzius Z

- Waves of excitation on nonuniform membrane rings, caustics, and reverse involutes  
 CHAOS, 7: 731-737 (1997)
- Sieniutycz S, Farkas H
10. Chemical waves in confined regions by Hamilton-Jacobi-Bellman theory  
 CHEMICAL ENGINEERING SCIENCE, 52: 2927-2945 (1997)  
 Agladze K, Dupont C, Krinsky V
  11. Tunneling chemical waves  
 NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA D-CONDENSED, 20: 103-111 (1998)
  12. Kinetic determinations and some kinetic aspects of analytical chemistry  
 ANALYTICAL CHEMISTRY, 70: 53R-106R (1998)  
 Dupont C, Agladze K, Krinsky V
  13. Excitable medium with left-right symmetry breaking  
 PHYSICA A, 249: 47-52 (1998)  
 Hegedus L, Kirschner N, Wittmann M, Noszticzius Z
  - \* 14. Electrolyte transistors: Ionic reaction-diffusion systems with amplifying properties  
 JOURNAL OF PHYSICAL CHEMISTRY A, 102: 6491-6497 (1998)  
 Volford A, Noszticzius Z, Krinsky V, Dupont C, Lazar A, Forsterling HD
  - \* 15. Amplitude control of chemical waves in catalytic membranes. Asymmetric wave propagation between zones loaded with different catalyst concentrations  
 JOURNAL OF PHYSICAL CHEMISTRY A, 102: 8355-8361 (1998)  
 Yamaguchi T, Kusumi T, Aliev RR, Amemiya T, Ohmori T, Nakaiwa M, Urabe K, Kinugasa S,
  16. Unidirectionality of chemical diode  
 ACH-MODELS IN CHEMISTRY, 135: 401-408 (1998)  
 Sultan R, Jaafar S
  17. Static and swinging chemical waves in a two-interface dynamics on a ring  
 PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 1: 4931-4936 (1999)  
 Volford P, Simon PL, Farkas H, Noszticzius Z
  - \* 18. Rotating chemical waves: theory and experiments  
 PHYSICA A, 274: 30-49 (1999)  
 Agladze KI, Tsyganov MA, Ivanitskii GR
  19. The paradoxal wave acceleration at the sink-type boundary of an excitable medium  
 DOKLADY AKADEMII NAUK, 371: 121-124 (2000)  
 Nakata S, Kohira MI, Hayashima Y
  20. Mode selection of a camphor boat in a dual-circle canal  
 CHEMICAL PHYSICS LETTERS, 322: 419-423 (2000)  
 Sieniutycz S
  21. Hamilton-Jacobi-Bellman framework for optimal control in multistage energy systems  
 PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS, 326: 166-258 (2000)  
 Suzuki K, Yoshinobu T, Iwasaki H
  22. Unidirectional propagation of chemical waves through microgaps between zones with different excitability  
 JOURNAL OF PHYSICAL CHEMISTRY A, 104: 6602-6608 (2000)  
 Motoike IN, Yoshikawa K, Iguchi Y, Nakata S
  23. Real-time memory on an excitable field  
 PHYSICAL REVIEW E, 6303: art. no.-036220 (2001)  
 Seipel M, Schneider FW, Munster AF
  24. Control and coupling of spiral waves in excitable media  
 FARADAY DISCUSSIONS, 120: 395-405 (2001)  
 Seipel M, Zierhut M, Munster AF
  25. Complex behaviour of spiral waves induced by an alternating electric field  
 CHEMPHYSICHEM, 2: 613-616 (2001)
  26. Siewewiesiuk J, Gorecki J



- Logical functions of a cross junction of excitable chemical media  
 JOURNAL OF PHYSICAL CHEMISTRY A, 105: 8189-8195 (2001)
- Sielewiesiuk J, Gorecki J
27. Chemical impulses in the perpendicular junction of two channels  
 ACTA PHYSICA POLONICA B, 32: 1589-1603 (2001)
  28. McDermott S, Mulholland A J, Gomatam J  
 P ROY SOC LOND A MAT, 458: (2028) 2947-2966 (2002)

Sielewiesiuk J, Gorecki J

  29. Complex transformations of chemical signals passing through a passive barrier  
 PHYSICAL REVIEW E, 66: art. no.-016212 (2002)

Sielewiesiuk J, Gorecki J

  30. Passive barrier as a transformer of "chemical signal" frequency  
 JOURNAL OF PHYSICAL CHEMISTRY A, 106: 4068-4076 (2002)

Sielewiesiuk J, Gorecki J

  31. On the response of simple reactors to regular trains of pulses  
 PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1326-1333 (2002)
  32. Taylor A F  
 PROG REACT KINET MEC, 27: (4) 247-325 (2002)
  33. Gorecki J, Yoshikawa K, Igarashi Y  
 J PHYS CHEM A, 107: 1664-1669 (2003)

34. Ichino T, Igarashi Y, Motoike I N, et al  
 J CHEM PHYS, 118: (18) 8185-8190 (2003)

35. Gorecka J, Gorecki J

[T-shaped coincidence detector as a band filter of chemical signal frequency](#)  
 PHYSICAL REVIEW E 67 (6): Art. No. 067203 Part 2 JUN 2003

36. Taylor AF, Armstrong GR, Goodchild N, et al.  
[Propagation of chemical waves across inexcitable gaps](#)  
 PHYSICAL CHEMISTRY CHEMICAL PHYSICS 5 (18): 3928-3932 SEP 15 2003
- Hegedűs L, Noszticzius Z, Papp A, Schubert AP, Wittmann M  
 POLARIZATION PHENOMENA IN HYDROGEL MEMBRANES - EXPERIMENTAL REALIZATION  
 OF AN ELECTROLYTE DIODE  
 ACH MODELS CHEM 132: 207-224 (1995)  
 IF: 0.111
- Független idéző: 1 Függo idéző: 4 Összesen: 5
- \*1. Hegedus L, Kirschner N, Wittmann M, Noszticzius Z  
 Electrolyte transistors: Ionic reaction-diffusion systems with amplifying properties  
 JOURNAL OF PHYSICAL CHEMISTRY A, 102: 6491-6497 (1998)
  - \*2. Kirschner N, Hegedus L, Wittmann M, Noszticzius Z  
 Nonlinear "salt-effect" in an electrolyte diode. Theory and experiments  
 ACH-MODELS IN CHEMISTRY, 135: 279-286 (1998)
  - \*3. Hegedus L, Kirschner N, Wittmann M, Simon P, Noszticzius Z, Amemiya T, Ohmori T,  
 Yamaguchi T  
 Nonlinear effects of electrolyte diodes and transistors in a polymer gel medium  
 CHAOS, 9: 283-297 (1999)
  - \*4. Ivan K, Kirschner N, Wittmann M, Simon PL, Jakab V, Noszticzius Z, Merkin JH, Scott SK  
 Direct evidence for fixed ionic groups in the hydrogel of an electrolyte diode  
 PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1339-1347 (2002)
  5. Lindner J, Snita D, Marek M  
 Modelling of ionic systems with a narrow acid base boundary  
 PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1348-1354 (2002)
  6. Cheng CHW, Boettcher SW, Johnston DH, et al.  
[Unidirectional current in a polyacetylene hetero-ionic junction](#)  
 JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 126 (28): 8666-8667 JUL 21 (2004)  
 Times Cited: 1

1994

Predtechensky AA, McCormick WD, Swift JB, Noszticzius Z, Swinney HL  
ONSET OF TRAVELING WAVES IN ISOTHERMAL DOUBLE DIFFUSIVE CONVECTION  
PHYS REV LETT 72: 218-221 (1994)

IF: 6.626

Független idéző: 10 Függo idéző: 4 Összesen: 14

- Nagy IP, Keresztessy A, Pojman JA, Bazsa G, Noszticzius Z
- \* 1. CHEMICAL WAVES IN THE IODIDE-NITRIC ACID SYSTEM  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 6030-6037 (1994)
  - \* 2. TRAVELING-WAVE INSTABILITY IN SUSTAINED DOUBLE-DIFFUSIVE CONVECTION  
PHYSICS OF FLUIDS, 6: 3923-3935 (1994)
  - 3. Oscillatory bifurcation with broken translation symmetry  
PHYSICAL REVIEW E, 53: 3579-3600 (1996)
  - 4. Oscillatory doubly diffusive convection in a finite container  
PHYSICAL REVIEW E, 53: 3601-3609 (1996)
  - 5. Finite size effects near the onset of the oscillatory instability  
NONLINEARITY, 9: 1129-1171 (1996)
  - \* 6. Amplitude equations for isothermal double diffusive convection  
PHYSICAL REVIEW E, 55: 6270-6273 (1997)
  - \* 7. Plume dynamics in quasi-2D turbulent convection  
CHAOS, 7: 107-124 (1997)
  - 8. Onset of oscillatory instabilities under stochastic modulation  
PHYSICAL REVIEW E, 56: 2649-2657 (1997)
  - 9. Global stability properties of a hyperbolic system arising in pattern formation  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, 29: 439-460 (1997)
  - 10. Dynamics of a hyperbolic system that applies at the onset of the oscillatory instability  
NONLINEARITY, 11: 105-142 (1998)
  - 11. Double-diffusive convection in freely suspended soap films  
PHYSICAL REVIEW LETTERS, 80: 1892-1895 (1998)
  - 12. Confined states in large-aspect-ratio thermosolutal convection  
PHYSICAL REVIEW E, 57: 524-545 (1998)
  - 13. Aggregation and chimney formation during the solidification of ammonium chloride  
PHYSICAL REVIEW E, 60: 3063-3071 (1999)
  - 14. Becerril R  
Cross-diffusion effects in isothermal double diffusive convection  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA B-GENERAL, 115: 1329-1336 (2000)
  - 15. Tsitverblit N  
[Mechanism of finite-amplitude double-component convection due to different boundary conditions](#)  
PHYSICS LETTERS A 329 (6): 445-450 SEP 6 2004
- Nagy IP, Keresztessy A, Pojman JA, Bazsa G, Noszticzius Z
- 29 CHEMICAL WAVES IN THE IODIDE-NITRIC ACID SYSTEM  
J PHYS CHEM 98: 6030-6037 (1994)  
IF: 3.242

Független idéző: 8 Függo idéző: 9 Összesen: 17

- \*1.Keresztessy A, Nagy IP, Bazsa G, Pojman JA  
TRAVELING WAVES IN THE IODATE-SULFITE AND BROMATE-SULFITE SYSTEMS  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 5379-5384 (1995)
- 2.Martincigh BS, Hauser Mjb, Simoyi RH  
Formation of thermal plumes in an autocatalytic exothermic chemical reaction  
PHYSICAL REVIEW E, 52: 6146-6153 (1995)
- \*3.Nagy IP, Keresztessy A, Pojman JA  
PERIODIC CONVECTION IN THE BROMATE-SULFITE REACTION - A JUMPING WAVE  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 5385-5388 (1995)
- 4.Wilke H  
INTERACTION OF TRAVELING CHEMICAL WAVES WITH DENSITY DRIVEN  
HYDRODYNAMIC FLOWS  
PHYSICA D, 86: 508-513 (1995)
- 5.Bockmann M, Hess B, Muller SC  
Temperature gradients traveling with chemical waves  
PHYSICAL REVIEW E, 53: 5498-5501 (1996)
- \*6.Nagy IP, Pojman JA  
Suppressing convective instabilities in propagating fronts by tube rotation  
JOURNAL OF PHYSICAL CHEMISTRY, 100: 3299-3304 (1996)
- \*7.Pojman JA, Komlosi A, Nagy IP  
Double-diffusive convection in traveling waves in the iodate- sulfite system explained  
JOURNAL OF PHYSICAL CHEMISTRY, 100: 16209-16212 (1996)
- 8.Snita D, Sevcikova H, Marek M, Merkin JH  
Ionic autocatalytic reaction fronts in electric fields  
JOURNAL OF PHYSICAL CHEMISTRY, 100: 18740-18748 (1996)
- \*9.Bowden G, Garbey M, Ilyashenko VM, Pojman JA, Solovyov SE, Taik A, Volpert VA  
Effect of convection on a propagating front with a solid product: Comparison of theory and experiments  
JOURNAL OF PHYSICAL CHEMISTRY B, 101: 678-686 (1997)
- 10.Fujieda S, Mogamia Y, Furuya A, Zhang W, Araiso T  
Effect of microgravity on the spatial oscillation behavior of Belousov-Zhabotinsky reactions catalyzed by ferriin  
JOURNAL OF PHYSICAL CHEMISTRY A, 101: 7926-7928 (1997)
- \*11.Keresztessy A  
Study of travelling waves in the iodide-nitric acid, the iodate-sulfite and the bromate-sulfite systems  
MAGYAR KEMIAI FOLYOIRAT, 103: 123-124 (1997)
- \*12.Komlosi A, Nagy IP, Bazsa G, Pojman JA  
Convective chemical fronts in the 1,4-cyclohexanedione-bromate- sulfuric acid-ferriin system  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 9136-9141 (1998)
- \*13.Masere J, Pojman JA  
Free radical-scavenging dyes as indicators of frontal polymerization dynamics  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 94: 919-922 (1998)
- 14.Yamaguchi T, Kusumi T, Aliev RR, Amemiya T, Ohmori T, Nakaiwa M, Urabe K, Kinugasa S, Hashimoto H, Yoshikawa K  
Unidirectionality of chemical diode  
ACH-MODELS IN CHEMISTRY, 135: 401-408 (1998)
- 15.Sevcikova H, Muller SC  
Electric-field-induced front deformation of Belousov- Zhabotinsky waves  
PHYSICAL REVIEW E, 60: 532-538 (1999)
- \*16.Bazile M, Nichols HA, Pojman JA, Volpert V  
Effect of orientation on thermoset frontal polymerization  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, 40: 3504-3508 (2002)
- 17.Horvath D, Bansagi T, Toth A  
Orientation-dependent density fingering in an acidity front  
JOURNAL OF CHEMICAL PHYSICS, 117: 4399-4402 (2002)
18. Bansagi T, Horvath D, Toth A

[Convective instability of an acidity front in Hele-Shaw cells](#)

PHYSICAL REVIEW E 68 (2): Art. No. 026303 Part 2 AUG 2003

19. Vasquez DA, De Wit A

[Dispersion relations for the convective instability of an acidity front in Hele-Shaw cells](#)

JOURNAL OF CHEMICAL PHYSICS 121 (2): 935-941 JUL 8 2004

Gao Y, Försterling H D, Noszticzius Z

30 Some new discoveries in the organic subset of the classical BZ reaction

In: International Workshop on Dynamism and Regulation in Non-linear Chemical Systems, NIMC-AIST Tsukuba, Japan, March 22-25, 1994, z\$, 1994. pp. 49

Gao Y, Forsterling HD, Noszticzius Z, Meyer B

HPLC STUDIES ON THE ORGANIC SUBSET OF THE OSCILLATORY BZ REACTION 1. PRODUCTS OF THE  $Ce^{4+}$ -MALONIC ACID REACTION

J PHYS CHEM 98: 8377-8380 (1994)

IF: 3.242

Független idézo: 16 Függo idézo: 10 Összesen: 26

\*1.Gao Y, Forsterling HD

OSCILLATIONS IN THE BROMOMALONIC ACID/BROMATE SYSTEM CATALYZED BY [RU(BIPY)(3)](2+)

JOURNAL OF PHYSICAL CHEMISTRY, 99: 8638-8644 (1995)

2.Kiss IZ, Gaspar V

Predicting the dynamics of an oligo-oscillatory reaction by an artificial neural network

ACH-MODELS IN CHEMISTRY, 132: 887-901 (1995)

3.Neumann B, Steinbock O, Muller SC, Dalal NS

Oxidation of glyoxylic acid by cerium(IV): Oxygen-induced enhancement of the primary radical concentration

JOURNAL OF PHYSICAL CHEMISTRY, 100: 12342-12348 (1996)

\*4.Sirimungkala A, Forsterling HD, Noszticzius Z

HPLC studies on the organic subset of the oscillatory BZ reaction .2. Two different types of malonyl radicals in the  $Ce^{4+}$ -malonic acid reaction

JOURNAL OF PHYSICAL CHEMISTRY, 100: 3051-3055 (1996)

5.Kvernerberg PO, Hansen EW, Pedersen B, Rasmussen A, Ruoff P

31 Oxidation of methylmalonic acid by cerium(IV). Evidence for parallel reaction pathways

JOURNAL OF PHYSICAL CHEMISTRY A, 101: 2327-2331 (1997)

6.Neumann B, Steinbock O, Muller SC, Dalal NS

Stoichiometric fingerprinting as an aid in understanding complex reactions: The oxidation of malonic acid by cerium(IV)

JOURNAL OF PHYSICAL CHEMISTRY A, 101: 2743-2745 (1997)

7.Ungvarai J, Nagyungvarai Z, Enderlein J, Muller SC

Effective rate constant of ferrin reduction in the Belousov- Zhabotinsky reaction

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 93: 69-71 (1997)

8.Butler K, Steinbock O, Steinbock B, Dalal NS

Carbon dioxide production in the oxidation of organic acids by Cerium(IV) under aerobic and anaerobic conditions

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 30: 899-902 (1998)

9.Lee SS, Jwo JJ

Kinetic study of the  $Ce(III)$ - or  $Mn(II)$ -catalyzed Belousov- Zhabotinsky reactions with mixed organic acid/ketone substrates

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 30: 595-604 (1998)

10.Misra GP, Washington RP, Pojman JA

New experimental and computational results on the radical- controlled oscillating Belousov-Zhabotinsky reaction

JOURNAL OF PHYSICAL CHEMISTRY A, 102: 612-619 (1998)

\*11.Oslovovitch J, Forsterling HD, Wittmann M, Noszticzius Z

HPLC studies on the organic subset of the oscillatory BZ reaction .3. Products of the  $Ce^{4+}$ -bromomalonic acid reaction

- JOURNAL OF PHYSICAL CHEMISTRY A, 102: 922-927 (1998)
12. Ruoff P, Bjornstad A, Jakobsen M  
Complete UV-visible photoluminescence spectrum of aqueous Ce(III)  
CHEMICAL PHYSICS LETTERS, 291: 249-251 (1998)
- \*13. Szalai I, Forsterling HD, Noszticzius Z  
HPLC studies on the photochemical formation of free radicals from malonic acid  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 3118-3120 (1998)
14. Tikhonova LP, Rosokha SV, Bakay EA  
The Briggs-Rauscher oscillatory reactions catalyzed by nickel macrocyclic complexes  
REACTION KINETICS AND CATALYSIS LETTERS, 63: 129-136 (1998)
- \*15. Nagygyory S, Wittmann M, Pinter S, Visegrady A, Dancso A, Thuy NB, Noszticzius Z, Hegedus L, Forsterling HD  
Alternative reaction channels and carbene intermediates in the Ce<sup>4+</sup>-malonic acid and Ce<sup>4+</sup>-bromomalonic acid reactions. 1. CO<sub>2</sub> measurements  
JOURNAL OF PHYSICAL CHEMISTRY A, 103: 4885-4892 (1999)
- \*16. Petrascu AM, Koch Mhj, Forsterling HD  
Effect of oxygen on the Belousov-Zhabotinsky reaction at low cerium concentrations  
JOURNAL OF PHYSICAL CHEMISTRY A, 103: 6757-6765 (1999)
- \*17. Sirimungkala A, Forsterling HD, Dlask V, Field RJ  
Bromination reactions important in the mechanism of the Belousov-Zhabotinsky system  
JOURNAL OF PHYSICAL CHEMISTRY A, 103: 1038-1043 (1999)
18. Taylor AF, Gaspar V, Johnson BR, Scott SK  
Analysis of reaction-diffusion waves in the ferroin-catalysed Belousov-Zhabotinsky reaction  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 1: 4595-4599 (1999)
- \*19. Hegedus L, Forsterling HD, Wittmann M, Noszticzius Z  
Ce<sup>4+</sup>-malonic acid reaction in the presence of O<sub>2</sub>. Reaction channels leading to tartronic and oxalic acid intermediates  
JOURNAL OF PHYSICAL CHEMISTRY A, 104: 9914-9920 (2000)
- \*20. Hegedus L, Forsterling HD, Kokai E, Pelle K, Taba G, Wittmann M, Noszticzius Z  
Chemical mechanism of the radical feedback loop in the classical BZ reaction. Malonyl bromite and oxalic acid as flow-through intermediates  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 4023-4028 (2000)
21. Hsu WT, Jwo JJ  
Kinetic study of the Ce(III)-, Mn(II)- or Fe(phen)<sub>3</sub>(2+)- catalyzed Belousov-Zhabotinsky reaction with ethyl hydrogen malonate  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 32: 52-61 (2000)
22. Steinbock O, Hamik CT, Steinbock B  
Oxygen inhibition of oscillations in the Belousov-Zhabotinsky reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 104: 6411-6415 (2000)
- \*23. Hegedus L, Wittmann M, Noszticzius Z, Yan SH, Sirimungkala A, Forsterling HD, Field RJ  
HPLC analysis of complete BZ systems. Evolution of the chemical composition in cerium and ferroin catalysed batch oscillators: experiments and model calculations  
FARADAY DISCUSSIONS, 120: 21-38 (2001)
24. Wang WF, Schuchmann MN, Schuchmann HP, von Sonntag C  
The importance of mesomerism in the termination of alpha-carboxymethyl radicals from aqueous malonic and acetic acids  
CHEMISTRY-A EUROPEAN JOURNAL, 7: 791-795 (2001)
25. Taylor A F  
PROG REACT KINET MEC, 27: (4) 247-325 (2002)
26. Sagues F, Epstein I R  
DALTON T, 7: 1201-1217 (2003)
- \*27. Pelle K, Wittmann M, Noszticzius Z, et al.  
[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003
- \*28. Pelle K, Wittmann M, Lovrics K, et al.

[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub><sup>-</sup> with oxalic acid](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004

1993

Noszticzius Z

32 Principles of self-organization and self-accelerating reactions in nonequilibrium chemical systems  
PERIODICA POLYTECHNICA SER PHYS NUCL SCI 1: 213-219 (1993)

1992

Ouyang Q, Noszticzius Z, Swinney HL

SPATIAL BISTABILITY OF TWO-DIMENSIONAL TURING PATTERNS IN A REACTION-DIFFUSION SYSTEM

J PHYS CHEM 96: 6773-6776 (1992)

IF: 3.452

Független idéző: 27 Függo idéző: 2 Összesen: 29

1.Dekepper P, Perraud JJ, Rudovics B, Dulos E

EXPERIMENTAL-STUDY OF STATIONARY TURING PATTERNS AND THEIR INTERACTION WITH TRAVELING WAVES IN A CHEMICAL-SYSTEM

INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, 4: 1215-1231 (1994)

\*2.Gunaratne GH, Ouyang Q, Swinney HL

PATTERN-FORMATION IN THE PRESENCE OF SYMMETRIES

PHYSICAL REVIEW E, 50: 2802-2820 (1994)

3.Pismen LM

TURING PATTERNS AND SOLITARY STRUCTURES UNDER GLOBAL CONTROL

JOURNAL OF CHEMICAL PHYSICS, 101: 3135-3146 (1994)

4.Pota G, Stedman G

EXOTIC BEHAVIOR OF CHEMICAL-REACTION SYSTEMS

ACH-MODELS IN CHEMISTRY, 131: 229-268 (1994)

5.Breazeal W, Flynn KM, Gwinn EG

STATIC AND DYNAMIC 2-DIMENSIONAL PATTERNS IN SELF-EXTINGUISHING DISCHARGE AVALANCHES

PHYSICAL REVIEW E, 52: 1503-1515 (1995)

33

6.Dewel G, Borckmans P, Dewit A, Rudovics B, Perraud JJ, Dulos E, Boissonade J, Dekepper P

PATTERN SELECTION AND LOCALIZED STRUCTURES IN REACTION-DIFFUSION SYSTEMS

PHYSICA A, 213: 181-198 (1995)

7.Hilali MF, Metens S, Borckmans P, Dewel G

PATTERN SELECTION IN THE GENERALIZED SWIFT-HOHENBERG MODEL

PHYSICAL REVIEW E, 51: 2046-2052 (1995)

\*8.Lazar A, Noszticzius Z, Forsterling HD, Nagyungvarai Z

CHEMICAL WAVES IN MODIFIED MEMBRANES .1. DEVELOPING THE TECHNIQUE

PHYSICA D, 84: 112-119 (1995)

9.Ross J, Arkin AP, Muller SC

EXPERIMENTAL-EVIDENCE FOR TURING STRUCTURES

JOURNAL OF PHYSICAL CHEMISTRY, 99: 10417-10419 (1995)

10.Dufiet V, Boissonade J

Dynamics of Turing pattern monolayers close to onset

PHYSICAL REVIEW E, 53: 4883-4892 (1996)

11.Dulos E, Davies P, Rudovics B, Dekepper P

From quasi-2D to 3D Turing patterns in ramped systems

PHYSICA D, 98: 53-66 (1996)

12.Rudovics B, Dulos E, Dekepper P

Standard and nonstandard turing patterns and waves in the CIMA reaction

PHYSICA SCRIPTA, T67: 43-50 (1996)

13.Dewit A, Borckmans P, Dewel G

Twist grain boundaries in three-dimensional lamellar Turing structures

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED, 94: 12765-12768 (1997)



14. Kuznetsov SP, Mosekilde E, Dewel G, Borckmans P  
Absolute and convective instabilities in a one-dimensional Brusselator flow model  
JOURNAL OF CHEMICAL PHYSICS, 106: 7609-7616 (1997)
15. Maini PK, Painter KJ, Chau Hnp  
Spatial pattern formation in chemical and biological systems  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 93: 3601-3610 (1997)
16. Mosekilde E, Larsen F, Dewel G, Borckmans P  
Re-entrant hexagons and locked Turing-Hopf fronts in the CIMA reaction  
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, 8: 1003-1012 (1998)
17. Pota G  
Chemical waves and spatial structures in reaction-diffusion systems  
ACH-MODELS IN CHEMISTRY, 135: 677-748 (1998)
18. de Wit A  
Spatial patterns and spatiotemporal dynamics in chemical systems  
(109) ADVANCES IN CHEMICAL PHYSICS, VOL 109, 1999. 435 p. (; 109.)
19. Kirner T, Ackermann J, Ehricht R, McCaskill JS  
Complex patterns predicted in an in vitro experimental model system for the evolution of molecular cooperation  
BIOPHYSICAL CHEMISTRY, 79: 163-186 (1999)
20. Rudovics B, Barillot E, Davies PW, Dulos E, Boissonade J, de Kepper P  
Experimental studies and quantitative modeling of Turing patterns in the (chlorine dioxide, iodine, malonic acid) reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 103: 1790-1800 (1999)
21. Ben Jacob E, Cohen I, Levine H  
Cooperative self-organization of microorganisms  
ADVANCES IN PHYSICS, 49: 395-554 (2000)
22. de Kepper P, Dulos E, Boissonade J, de Wit A, Dewel G, Borckmans P  
Reaction-diffusion patterns in confined chemical systems  
JOURNAL OF STATISTICAL PHYSICS, 101: 495-508 (2000)
23. Judd SL, Silber M  
Simple and superlattice Turing patterns in reaction-diffusion systems: bifurcation, bistability, and parameter collapse  
PHYSICA D, 136: 45-65 (2000)
24. Wollkind DJ, Stephenson LE  
Chemical Turing pattern formation analyses: Comparison of theory with experiment  
SIAM JOURNAL ON APPLIED MATHEMATICS, 61: 387-431 (2000)
25. Fuentes M, Kuperman MN, de Kepper P  
Propagation and interaction of cellular fronts in a closed system  
JOURNAL OF PHYSICAL CHEMISTRY A, 105: 6769-6774 (2001)
26. Aksimentiev A, Fialkowski M, Holyst R  
Morphology of surfaces in mesoscopic polymers, surfactants, electrons, or reaction-diffusion systems: Methods, simulations, and measurements  
(121) ADVANCES IN CHEMICAL PHYSICS, VOLUME 121, 2002. 141 p. (; 121.)
27. Borckmans P, Dewel G, de Wit A, et al  
INT J BIFURCAT CHAOS, 12: 2307-2332 (2002)
28. Jakab E, Horvath D, Toth A  
Temperature-controlled cellular fronts  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1307-1309 (2002)
29. Zhou CX, Guo HY, Qi OY  
Experimental study of the dimensionality of black-eye patterns  
PHYSICAL REVIEW E, 65: art. no.-036118 (2002)
30. Rietkerk M, Dekker SC, de Ruiter PC, et al.  
[Self-organized patchiness and catastrophic shifts in ecosystems](#)  
SCIENCE 305 (5692): 1926-1929 SEP 24 2004
31. Berenstein I, Dolnik M, Yang LF, et al.  
[Turing pattern formation in a two-layer system: Superposition and superlattice patterns](#)

PHYSICAL REVIEW E 70 (4): Art. No. 046219 Part 2 OCT 2004

32. Leppanen T, Karttunen M, Barrio RA, et al.

[Morphological transitions and bistability in Turing systems](#)

PHYSICAL REVIEW E 70 (6): Art. No. 066202 Part 2 DEC 2004

Noszticzius Z, Qi OY, McCormick WD, Swinney HL

LONG-LIVED OSCILLATIONS IN THE CHLORITE IODIDE MALONIC-ACID REACTION IN BATCH

J AM CHEM SOC 114: 4290-4295 (1992)

IF: 5.298

Független idéző: 5 Függo idéző: 2 Összesen: 7

1. Rabai G, Hanazaki I

LIGHT-INDUCED STATE TRANSITIONS IN THE OSCILLATORY CLO<sub>2</sub>(-) CL- IODOMALONIC ACID SYSTEM IN A SEMIBATCH REACTOR

JOURNAL OF PHYSICAL CHEMISTRY, 98: 10550-10553 (1994)

2. Rabai G

EXPLANATION OF THE LONG-LIVED OSCILLATIONS IN THE CHLORITE ION- IODIDE ION- MALONIC ACID SYSTEM

JOURNAL OF PHYSICAL CHEMISTRY, 98: 5920-5924 (1994)

\*3. Marlovits G, Wittmann M, Noszticzius Z, Gaspar V

A NEW CHEMICAL OSCILLATOR IN A NOVEL OPEN REACTOR - THE CLO<sub>2</sub>-I- 2-ACETONE SYSTEM IN A MEMBRANE FED STIRRED-TANK REACTOR

JOURNAL OF PHYSICAL CHEMISTRY, 99: 5359-5364 (1995)

34 4. Rabai G, Hanazaki I

INT J CHEM KINET, 27: (5) 431-441 (1995)

5. Vanag VK, Hanazaki I

FREQUENCY-MULTIPLYING BIFURCATION IN THE OSCILLATORY BELOUSOV-ZHABOTINSKII REACTION PROCEEDING IN INTERACTING WATER DROPLETS OF THE REVERSE MICROEMULSIONS OF THE AEROSOL OF IN OCTANE

JOURNAL OF PHYSICAL CHEMISTRY, 99: 6944-6950 (1995)

6. Fabian I, Gordon G

The kinetics and mechanism of the chlorine dioxide iodide ion reaction

INORGANIC CHEMISTRY, 36: 2494-2497 (1997)

\*7. Volford A, Wittmann M, Marlovits G, Noszticzius Z, Gaspar V

Platinum as a chlorine dioxide chlorite redox electrode in CIO<sub>2</sub>-based oscillating reactions and a new semibatch oscillator: The CIO<sub>2</sub>-acetone system with I- inflow

JOURNAL OF PHYSICAL CHEMISTRY B, 101: 3720-3726 (1997)

8. Schmitz G

[Inorganic reactions of iodine\(+1\) in acidic solutions](#)

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS 36 (9): 480-493 SEP 2004

Noszticzius Z, Farkas H, Schubert A, Swift J, McCormick W D, Swinney H L

Experiments at the Boundary of Two Worlds: Reaction, Diffusion, Electric Conduction and Multicomponent Convection in Gel and Fluid Reactors

In: Müller S C, Plesser T (ed.) Spatio-Temporal Organization in Nonequilibrium Systems, Dortmund: Project Verlag, 1992.

Független idéző: 3

35

1. Goldermann M, Hanke W, Dealmeida Acg, Delima Vmf

INT J BIFURCATION CHAOS, 8: (7) 1541-1549 (1998)

2. Zykov VS, Mikhailov AS, Muller SC

PHYS REV LETT, 81: (13) 2811-2814 (1998)

3. Zykov VS, Muller SC

CHAOS SOLITON FRACTAL, 10: (4-5) 777-782 (1999)

Noszticzius Z, Qi OY, McCormick WD, Swinney HL

36 EFFECT OF TURING PATTERN INDICATORS ON CIMA OSCILLATORS

J PHYS CHEM 96: 6302-6307 (1992)

IF: 3.452

Független idézo: 15 Függo idézo: 7 Összesen: 22

- \*1.Ouyang Q, Noszticzus Z, Swinney HL  
SPATIAL BISTABILITY OF 2-DIMENSIONAL TURING PATTERNS IN A REACTION-DIFFUSION SYSTEM  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 6773-6776 (1992)
- \*2.Vigil RD, Ouyang Q, Swinney HL  
TURING PATTERNS IN A SIMPLE GEL REACTOR  
PHYSICA A, 188: 17-25 (1992)
- 3.Lengyel I, Epstein IR  
TURING STRUCTURES IN SIMPLE CHEMICAL-REACTIONS  
ACCOUNTS OF CHEMICAL RESEARCH, 26: 235-240 (1993)
- 4.Dekepper P, Perraud JJ, Rudovics B, Dulos E  
EXPERIMENTAL-STUDY OF STATIONARY TURING PATTERNS AND THEIR INTERACTION WITH TRAVELING WAVES IN A CHEMICAL-SYSTEM  
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, 4: 1215-1231 (1994)
- \*5.Gunaratne GH, Ouyang Q, Swinney HL  
PATTERN-FORMATION IN THE PRESENCE OF SYMMETRIES  
PHYSICAL REVIEW E, 50: 2802-2820 (1994)
- \*6.Lazar A, Noszticzus Z, Forsterling HD, Nagyungvarai Z  
CHEMICAL WAVES IN MODIFIED MEMBRANES .1. DEVELOPING THE TECHNIQUE  
PHYSICA D, 84: 112-119 (1995)
- \*7.Lee KJ, Swinney HL  
LAMELLAR STRUCTURES AND SELF-REPLICATING SPOTS IN A REACTION- DIFFUSION SYSTEM  
PHYSICAL REVIEW E, 51: 1899-1915 (1995)
- \*8.Qi OY, Li RS, Li GE, Swinney HL  
DEPENDENCE OF TURING PATTERN WAVELENGTH ON DIFFUSION RATE  
JOURNAL OF CHEMICAL PHYSICS, 102: 2551-2555 (1995)
- 9.Stephenson LE, Wollkind DJ  
WEAKLY NONLINEAR STABILITY ANALYSES OF ONE-DIMENSIONAL TURING PATTERN-FORMATION IN ACTIVATOR-INHIBITOR IMMOBILIZER MODEL SYSTEMS  
JOURNAL OF MATHEMATICAL BIOLOGY, 33: 771-815 (1995)
- 10.Dulos E, Davies P, Rudovics B, Dekepper P  
From quasi-2D to 3D Turing patterns in ramped systems  
PHYSICA D, 98: 53-66 (1996)
- 11.Johnson BR, Scott SK  
New approaches to chemical patterns  
CHEMICAL SOCIETY REVIEWS, 25: 265-& (1996)
- \*12.Lee KJ, Swinney HL  
Replicating spots in reaction-diffusion systems  
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, 7: 1149-1158 (1997)
- 13.Maini PK, Painter KJ, Chau Hnp  
Spatial pattern formation in chemical and biological systems  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 93: 3601-3610 (1997)
- 14.Szili L, Toth J  
On the origin of Turing instability  
JOURNAL OF MATHEMATICAL CHEMISTRY, 22: 39-53 (1997)
- 15.Pota G  
Chemical waves and spatial structures in reaction-diffusion systems  
ACH-MODELS IN CHEMISTRY, 135: 677-748 (1998)
- 16.de Wit A  
Spatial patterns and spatiotemporal dynamics in chemical systems  
(109) ADVANCES IN CHEMICAL PHYSICS, VOL 109, 1999. 435 p. (; 109.)
- 17.Rudovics B, Barillot E, Davies PW, Dulos E, Boissonade J, de Kepper P  
Experimental studies and quantitative modeling of turing patterns in the (chlorine dioxide, iodine, malonic acid) reaction

JOURNAL OF PHYSICAL CHEMISTRY A, 103: 1790-1800 (1999)  
18.Horvath AK, Dolnik M, Zhabotinsky AM, Epstein IR  
Kinetics of photoresponse of the chlorine dioxide-iodine- malonic acid reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 104: 5766-5769 (2000)  
19.Pena B, Perez Garcia C  
Selection and competition of Turing patterns  
EUROPHYSICS LETTERS, 51: 300-306 (2000)  
20.Wollkind DJ, Stephenson LE  
Chemical Turing pattern formation analyses: Comparison of theory with experiment  
SIAM JOURNAL ON APPLIED MATHEMATICS, 61: 387-431 (2000)  
21.Kawczynski AL, Legawiec B  
Coexistence of large amplitude stationary structures in a model of reaction-diffusion system  
PHYSICAL REVIEW E, 6302: art. no.-021405 (2001)  
22.Berenstein I, Dolnik M, Zhabotinsky A M, et al  
J PHYS CHEM A, 107: (22) 4428-4435 (2003)  
\*23. Pelle K, Wittmann M, Noszticzius Z, et al.  
[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003

Murányi S, Noszticzius Z  
ON THE PROBLEM OF BROMIDE CONTROL IN A TL-PERTURBED BELOUSOV- ZHABOTINSKY  
37 OSCILLATOR  
Z NATURFORSCH A 47: 605-613 (1992)  
IF: 0.783  
Lee K J, McCormick W D, Noszticzius Z, Swinney H L  
Turing patterns visualised by index of refraction variations  
J CHEM PHYS 96: 4048-4049 (1992)  
IF: 3.433  
Független idéző: 16  
1.Agladze K I, Dulos E, Dekepper P  
J.Phys.Chem., 96: 2400-2403 (1992)  
2.Perraud J  
J. Phys.A, 188: 1 (1992)  
3.Scott S K, Showalter K  
J.Phys.Chem., 96: 8702-8711 (1992)  
4.Pota G, Stedman G  
ACH Model C, 131: 229-268 (1994)  
5.Kapral R  
PHYSICA D, 86: 149-157 (1995)  
38 6.Watzl M, Munster AF  
CHEM PHYS LETT, 242: (3) 273-278 (1995)  
7.Munster AF, Watzl M, Schneider FW  
PHYS SCR, T67: 58-62 (1996)  
8.Bose I, Chaudhuri I  
PHYS REV E, 55: (5) 5291-5296 (1997)  
9.Szili L, Toth J  
J MATH CHEM, 22: (1) 39-53 (1997)  
10.Epstein I R, Pojman J A  
AN INTRODUCTION TO NONLINEAR CHEMICAL DYNAMICS  
New York: Oxford University Press, 1998.  
11.Pota G  
ACH MODELS CHEMISTRY, 135: (5) 677-748 (1998)  
12.Dewit A  
ADVAN CHEM PHYSICS, 109: 435-513 (1999)

13. Adamcikova L, Hupkova M, Sevcik P  
COLLECT CZECH CHEM COMMUN, 65: (9) 1394-1402 (2000)
14. Bose I, Chaudhuri I  
INTERNATIONAL JOURNAL OF MODERN PHYSICS C, 12: (2) 247-256 (2001)
15. Kawczynski AL, Legawiec B  
PHYSICAL REVIEW E, 6302: (2) 1405 (2001)
16. Hantz P  
J CHEM PHYS, 117: (14) 6646-6654 (2002)
- \*17. Pelle K, Wittmann M, Noszticzius Z, et al.  
[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003

Gyorgyi L, Field RJ, Noszticzius Z, McCormick WD, Swinney HL  
CONFIRMATION OF HIGH FLOW; RATE CHAOS IN THE BELOUSOV- ZHABOTINSKY REACTION  
J PHYS CHEM 96: 1228-1233 (1992)

IF: 3.452

Független idéző: 42 Függo idéző: 5 Összesen: 47

- Blittersdorf R, Munster AF, Schneider FW  
1. APERIODICITY AND DETERMINISTIC CHAOS IN THE BELOUSOV- ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 5893-5897 (1992)
- Koper Mtm, Gaspard P, Sluyters JH  
2. MIXED-MODE OSCILLATIONS AND INCOMPLETE HOMOCLINIC SCENARIOS TO A SADDLE FOCUS IN THE INDIUM/THIOCYANATE ELECTROCHEMICAL OSCILLATOR  
JOURNAL OF CHEMICAL PHYSICS, 97: 8250-8260 (1992)
- Noszticzius Z, Qi OY, McCormick WD, Swinney HL  
\* 3. EFFECT OF TURING PATTERN INDICATORS ON CIMA OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 6302-6307 (1992)
- Noszticzius Z, Qi OY, McCormick WD, Swinney HL  
\* 4. LONG-LIVED OSCILLATIONS IN THE CHLORITE IODIDE MALONIC-ACID REACTION IN BATCH  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 114: 4290-4295 (1992)
- 39 Petrov V, Scott SK, Showalter K  
5. MIXED-MODE OSCILLATIONS IN CHEMICAL-SYSTEMS  
JOURNAL OF CHEMICAL PHYSICS, 97: 6191-6198 (1992)
- Ruoff P  
6. CHAOS IN BATCH BELOUSOV-ZHABOTINSKY SYSTEMS  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 9104-9106 (1992)
- Scott SK  
7. CHEMICAL-REACTIONS AS NONLINEAR-SYSTEMS  
NONLINEAR SCIENCE TODAY, 2: 1-& (1992)
- Yatsimirsky KB, Strizhak PE  
8. DETERMINATE CHAOS IN CHEMISTRY  
TEORETICHESKAYA I EKSPERIMENTALNAYA KHIMIYA, 28: 382-399 (1992)
- Hlavacova J, Sevcik P  
9. CONCENTRATION FLUCTUATIONS AND THE SIMULATION OF STIRRING EFFECTS IN THE BELOUSOV-ZHABOTINSKII REACTION  
CHEMICAL PHYSICS LETTERS, 201: 242-246 (1993)
- Lebender D, Schneider FW  
10. NEURAL NETS AND THE LOCAL PREDICTOR METHOD USED TO PREDICT THE TIME-SERIES OF CHEMICAL-REACTIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 8764-8769 (1993)
11. Roesky PW, Doumbouya SI, Schneider FW

- CHAOS INDUCED BY DELAYED FEEDBACK  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 398-402 (1993)  
Schneider FW, Hauser Mjb, Reising J
12. AN ALTERNATING-CURRENT BATTERY  
BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 97: 55-58 (1993)  
Chaudry AN, Coveney PV, Billingham J
13. EXPLORING COMPLEXITY IN SOME SIMPLE NONLINEAR CHEMICAL KINETIC SCHEMES  
JOURNAL OF CHEMICAL PHYSICS, 100: 1921-1935 (1994)  
Dechert G, Schneider FW
14. SHIFTING AND SWITCHING BETWEEN CHEMICAL STEADY-STATES THROUGH ELECTRODE PROCESSES  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 3927-3929 (1994)  
Doona CJ, Stanbury DM
15. ADVENTITIOUS CATALYSIS IN OSCILLATORY REDUCTIONS BY THIOUREA  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 12630-12634 (1994)  
Hauck T, Schneider FW
16. CHAOS IN A FAREY SEQUENCE THROUGH PERIOD-DOUBLING IN THE PEROXIDASE-OXIDASE REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 2072-2077 (1994)  
Hauser Mjb, Schneider FW
17. COUPLED CHAOTIC STATES AND APPARENT NOISE IN EXPERIMENT AND MODEL  
JOURNAL OF CHEMICAL PHYSICS, 100: 1058-1065 (1994)  
Pota G, Stedman G
18. EXOTIC BEHAVIOR OF CHEMICAL-REACTION SYSTEMS  
ACH-MODELS IN CHEMISTRY, 131: 229-268 (1994)  
Zeyer KP, Dechert G, Hohmann W, Blittersdorf R, Schneider FW
19. COUPLED BISTABLE CHEMICAL-SYSTEMS - EXPERIMENTAL REALIZATION OF BOOLEAN FUNCTIONS USING A SIMPLE FEEDFORWARD NET  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 49: 953-963 (1994)  
Zeyer KP, Munster AF, Hauser Mjb, Schneider FW
20. PERIODIC, QUASI-PERIODIC, AND CHAOTIC POTENTIALS GENERATED BY ELECTROCHEMICAL CONCENTRATION CELLS - LOCAL AND GLOBAL DYNAMICS  
JOURNAL OF CHEMICAL PHYSICS, 101: 5126-5135 (1994)  
Dechert G, Lebender D, Schneider FW
21. ELECTRICAL PULSES TO DETERMINE CHEMICAL-PHASE RESPONSE CURVES  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 11432-11435 (1995)  
Faria RD
22. INTRODUCTION TO OSCILLATING CHEMICAL-SYSTEMS  
QUIMICA NOVA, 18: 281-294 (1995)  
Forster A, Zeyer KP, Schneider FW
23. CHEMICAL RESONANCE AND CHAOTIC RESPONSE INDUCED BY ALTERNATING ELECTRICAL-CURRENT  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 11889-11895 (1995)  
Koper Mtm
24. BIFURCATIONS OF MIXED-MODE OSCILLATIONS IN A 3-VARIABLE AUTONOMOUS VANDERPOL-DUFFING MODEL WITH A CROSS-SHAPED PHASE- DIAGRAM  
PHYSICA D, 80: 72-94 (1995)  
Orlik M
25. CHEMICAL DETERMINISTIC CHAOS  
POLISH JOURNAL OF CHEMISTRY, 69: 1349-1386 (1995)  
Rabai G, Hanazaki I
26. PHOTOINDUCED DISPROPORTIONATION OF IODOMALONIC ACID  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 27: 431-441 (1995)
27. Strizhak PE



- STIRRING-INDUCED BIFURCATION DRIVEN BY THE CHAOTIC REGIME IN THE  
BELOUSOV-ZHABOTINSKY REACTION IN A CSTR  
CHEMICAL PHYSICS LETTERS, 243: 540-544 (1995)
- Strizhak PE, Didenko OZ
28. TEMPERATURE EFFECT ON THE BIFURCATIONS OF SELF-OSCILLATORY REGIMES IN  
THE BELOUSOV-ZHABOTINSKII REACTION IN A CSTR  
TEORETICHESKAYA I EKSPERIMENTALNAYA KHIMIYA, 31: 69-75 (1995)
- Zeyer KP, Munster AF, Schneider FW
29. QUASI-PERIODIC FORCING OF A CHEMICAL-REACTION - EXPERIMENTS AND  
CALCULATIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 13173-13180 (1995)
- Dolnik M, Epstein IR
30. Coupled chaotic chemical oscillators  
PHYSICAL REVIEW E, 54: 3361-3368 (1996)
- Epstein IR, Showalter K
31. Nonlinear chemical dynamics: Oscillations, patterns, and chaos  
JOURNAL OF PHYSICAL CHEMISTRY, 100: 13132-13147 (1996)
- Forster A, Guderian A, Zeyer KP, Dechert G, Schneider FW
32. Stochastic resonance and time advance coding in chemical reactions  
INTERNATIONAL JOURNAL OF NEURAL SYSTEMS, 7: 385-391 (1996)
- Guderian A, Dechert G, Zeyer KP, Schneider FW
33. Stochastic resonance in chemistry .1. The Belousov-Zhabotinsky reaction  
JOURNAL OF PHYSICAL CHEMISTRY, 100: 4437-4441 (1996)
- Michalowski T, Wajda N, Janecki D
34. An unified quantitative approach to electrolytic systems  
CHEMIA ANALITYCZNA, 41: 667-685 (1996)
- Sirimungkala A, Forsterling HD, Noszticzius Z
- \* 35. HPLC studies on the organic subset of the oscillatory BZ reaction .2. Two different types of malonyl  
radicals in the Ce4(+)-malonic acid reaction  
JOURNAL OF PHYSICAL CHEMISTRY, 100: 3051-3055 (1996)
- Hauser Mjb, Olsen LF, Bronnikova TV, Schaffer WM
36. Routes to chaos in the peroxidase-oxidase reaction: Period- doubling and period-adding  
JOURNAL OF PHYSICAL CHEMISTRY B, 101: 5075-5083 (1997)
- Liu CI, Wen HJ, Lee DJ
37. Bifurcation sequences in an incompletely macromixed stirred tank  
CHEMICAL PHYSICS LETTERS, 271: 167-170 (1997)
- Bronnikova TV, Schaffer WM, Hauser Mjb, Olsen LF
38. Routes to chaos in the peroxidase-oxidase reaction. 2. The fat torus scenario  
JOURNAL OF PHYSICAL CHEMISTRY B, 102: 632-640 (1998)
- Dockery JD, Field RJ
- \* 39. Numerical evidence of stationary and breathing concentration patterns in the Oregonator with equal  
diffusivities  
PHYSICAL REVIEW E, 58: 823-832 (1998)
- Epstein I R Pojman J A
40. AN INTRODUCTION TO NONLINEAR CHEMICAL DYNAMICS  
New York: Oxford University Press, 1998.
- Guderian A, Munster AF, Kraus M, Schneider FW
41. Electrochemical chaos control in a chemical reaction: Experiment and simulation  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 5059-5064 (1998)
- Zeyer KP, Schneider FW
42. Periodicity and chaos in chemiluminescence: The ruthenium- catalyzed Belousov-Zhabotinsky  
reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 9702-9709 (1998)
- Guderian A, Munster AF, Jinguji M, Kraus M, Schneider FW
43. Resonant chaos control by light in a chemiluminescent reaction  
CHEMICAL PHYSICS LETTERS, 312: 440-446 (1999)

- Amemiya T, Ohmori T, Yamaguchi T  
 44. An Oregonator-class model for photoinduced behavior in the Ru(bpy)<sub>3</sub>(2+)-catalyzed Belousov-Zhabotinsky reaction  
 JOURNAL OF PHYSICAL CHEMISTRY A, 104: 336-344 (2000)
- Hegedus L, Forsterling HD, Kokai E, Pelle K, Taba G, Wittmann M, Noszticzius Z  
 \* 45. Chemical mechanism of the radical feedback loop in the classical BZ reaction. Malonyl bromite and oxalic acid as flow- through intermediates  
 PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 4023-4028 (2000)
- Rajesh S, Ananthakrishna G  
 46. Incomplete approach to homoclinicity in a model with bent-slow manifold geometry  
 PHYSICA D, 140: 193-212 (2000)
- Li YN, Song H, Cai ZS, Chen L, Hou Z, Wei QL, Wu BX, Zhao XZ  
 47. New chaotic behavior and its effective control in Belousov- Zhabotinsky reaction  
 CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE, 79: 29-34 (2001)
- Farkas F, Noszticzius Z  
 Explosive, Conservative and Dissipative Systems and Chemical Oscillators  
 In: Sieniutycz S, Salamon P (ed.) Nonequilibrium Thermodynamics, New York: Taylor and Francis, 1992.  
 40 pp. 303-340  
 Független idéző: 1  
 1. Simon P L  
 J. Math. Chem., 9: 307-322 (1992)
- 1991  
 Noszticzius Z, Bodnár Z, Garamszegi L, Wittmann M  
 HYDRODYNAMIC TURBULENCE AND DIFFUSION-CONTROLLED REACTIONS - SIMULATION OF THE EFFECT OF STIRRING ON THE OSCILLATING BELOUSOV-ZHABOTINSKY REACTION WITH THE RADICALATOR MODEL  
 J PHYS CHEM 95: 6575-6580 (1991)  
 IF: 3.144  
 Független idéző: 32 Függo idéző: 4 Összesen: 36
1. Adamcikova L, Sevcik P  
 EFFECTS OF SULFATE AND PERCHLORATE IONS ON AN OSCILLATORY REACTION OF THE BELOUSOV-ZHABOTINSKII TYPE WITH OXALIC-ACID  
 JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 87: 3821-3824 (1991)
2. Ali F, Menzinger M  
 INHOMOGENEITY OF A CSTR WITH AUTOCATALATOR - A CLASSIFICATION OF STIRRING EFFECTS  
 JOURNAL OF PHYSICAL CHEMISTRY, 96: 1511-1514 (1992)
- \* 3. Gyorgyi L, Field RJ, Noszticzius Z, McCormick WD, Swinney HL  
 41 \* CONFIRMATION OF HIGH FLOW-RATE CHAOS IN THE BELOUSOV- ZHABOTINSKY REACTION  
 JOURNAL OF PHYSICAL CHEMISTRY, 96: 1228-1233 (1992)
4. Györgyi L, Field R J  
 .  
 J.Phys.Chem., 96: 1220 (1992)
5. Hlavacova J, Adamcikova L, Sevcik P  
 MODELS, MECHANISM AND NUMERICAL SIMULATIONS OF THE BELOUSOV-ZHABOTINSKI REACTION  
 CHEMICKE LISTY, 86: 796-806 (1992)
- \* 6. Noszticzius Z, Qi OY, McCormick WD, Swinney HL  
 EFFECT OF TURING PATTERN INDICATORS ON CIMA OSCILLATORS  
 JOURNAL OF PHYSICAL CHEMISTRY, 96: 6302-6307 (1992)
7. Pojman JA, Dedeaux H, Fortenberry D  
 SURFACE-INDUCED STIRRING EFFECTS IN THE MN-CATALYZED BELOUSOV-ZHABOTINSKII REACTION WITH A MIXED HYPOPHOSPHITE ACETONE SUBSTRATE IN A BATCH REACTOR  
 JOURNAL OF PHYSICAL CHEMISTRY, 96: 7331-7333 (1992)

- 8.Hlavacova J, Sevcik P  
CONCENTRATION FLUCTUATIONS AND THE SIMULATION OF STIRRING EFFECTS IN  
THE BELOUSOV-ZHABOTINSKII REACTION  
CHEMICAL PHYSICS LETTERS, 201: 242-246 (1993)
- 9.Ruoff P  
EXCITATIONS INDUCED BY FLUCTUATIONS - AN EXPLANATION OF STIRRING  
EFFECTS AND CHAOS IN CLOSED ANAEROBIC CLASSICAL BELOUSOV-ZHABOTINSKY  
SYSTEMS  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 6405-6411 (1993)
- 10.Schneider FW, Hauser Mjb, Reising J  
AN ALTERNATING-CURRENT BATTERY  
BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 97: 55-58  
(1993)
- 11.Sevcik P, Kolinkova L  
EFFECT OF PRESSURE DECREASE ON THE BELOUSOV-ZHABOTINSKII OSCILLATION  
REACTION  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 58: 1309-1314 (1993)
- 12.Hlavacova J, Sevcik P  
NUMERICAL STUDY OF CONCENTRATION FLUCTUATIONS AND STIRRING EFFECTS IN  
A BATCH REACTOR  
COMPUTERS & CHEMISTRY, 18: 21-25 (1994)
- 13.Hlavacova J, Sevcik P  
COHERENCE BETWEEN THE STIRRING EFFECT IN BIMOLECULAR REACTIONS AND  
THE BELOUSOV-ZHABOTINSKII REACTION IN THE CLOSED BATCH REACTOR  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 6304-6307 (1994)
- 14.Melikhov DP, Vanag VK  
ROLE OF IODINE ADSORPTION ON REACTOR WALLS IN PHOTOINDUCED  
NONEQUILIBRIUM PHASE-TRANSITION IN BRIGGS-RAUSHER REACTION  
ZHURNAL FIZICHESKOI KHIMII, 68: 1126-1129 (1994)
- 15.Faria RD  
INTRODUCTION TO OSCILLATING CHEMICAL-SYSTEMS  
QUIMICA NOVA, 18: 281-294 (1995)
- 16.Hsu TJ, Lee DJ  
MACROMIXING EFFECTS ON THE KUMPINSKY-EPSTEIN MODEL OF A CHLORITE-  
IODIDE REACTION IN A STIRRED-TANK  
JOURNAL OF CHEMICAL PHYSICS, 102: 8274-8276 (1995)
- 17.Sevcik P  
EFFECT OF A PRESSURE DECREASE ON THE OSCILLATING BELOUSOV-  
ZHABOTINSKY REACTION WITH OXALIC-ACID  
JOURNAL OF CHEMICAL RESEARCH-S: 154-155 (1995)
- 18.Strizhak PE  
STIRRING-INDUCED BIFURCATION DRIVEN BY THE CHAOTIC REGIME IN THE  
BELOUSOV-ZHABOTINSKY REACTION IN A CSTR  
CHEMICAL PHYSICS LETTERS, 243: 540-544 (1995)
- 19.Vanag VK, Melikhov DP  
ASYMMETRICAL CONCENTRATION FLUCTUATIONS IN THE AUTOCATALYTIC  
BROMATE-BROMIDE-CATALYST REACTION AND IN THE OSCILLATORY BELOUSOV-  
ZHABOTINSKY REACTION IN CLOSED REACTOR - STIRRING EFFECTS  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 17372-17379 (1995)
- 20.Ait AO, Vanag VK  
Modeling of autocatalytic reaction under the conditions of turbulent mixing  
ZHURNAL FIZICHESKOI KHIMII, 70: 1385-1390 (1996)
- 21.Vanag VK  
Probability cellular automaton-aided modeling of the stirring effect in the autocatalytic step of the  
Belousov-Zhabotinsky reaction  
JOURNAL OF PHYSICAL CHEMISTRY, 100: 11336-11345 (1996)

22. Ali F, Menzinger M  
Stirring effects and phase-dependent inhomogeneity in chemical oscillations: The Belousov-Zhabotinsky reaction in a CSTR  
JOURNAL OF PHYSICAL CHEMISTRY A, 101: 2304-2309 (1997)
23. Rastogi RP, Khare R, Misra GP, Srivastava S  
A new B-Z oscillator with a modified control mechanism  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC, 36: 19-30 (1997)
24. Sevcik P, Adamcikova L  
Effect of a pressure decrease and stirring on the oscillating Bray-Liebafsky reaction  
CHEMICAL PHYSICS LETTERS, 267: 307-312 (1997)
25. Misra GP, Washington RP, Pojman JA  
New experimental and computational results on the radical- controlled oscillating Belousov-Zhabotinsky reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 612-619 (1998)
26. Sevcik P, Adamcikova L  
Effect of a gas bubbling and stirring on the oscillating Bray- Liebafsky reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 1288-1291 (1998)
27. Washington RP, West WW, Misra GP, Pojman JA  
Polymerization coupled to oscillating reactions: (1) a mechanistic investigation of acrylonitrile polymerization in the Belousov-Zhabotinsky reaction in a batch reactor  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 121: 7373-7380 (1999)
- \*28. Hegedus L, Forsterling HD, Kokai E, Pelle K, Taba G, Wittmann M, Noszticzius Z  
Chemical mechanism of the radical feedback loop in the classical BZ reaction. Malonyl bromite and oxalic acid as flow- through intermediates  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 4023-4028 (2000)
29. Adamcikova L, Farbulova Z, Sevcik P  
Dynamic behavior during the oxidation of phenol with bromate in a closed reactor  
NEW JOURNAL OF CHEMISTRY, 25: 487-490 (2001)
- \*30. Hegedus L, Wittmann M, Noszticzius Z, Yan SH, Sirimungkala A, Forsterling HD, Field RJ  
HPLC analysis of complete BZ systems. Evolution of the chemical composition in cerium and ferrioxal catalysed batch oscillators: experiments and model calculations  
FARADAY DISCUSSIONS, 120: 21-38 (2001)
31. Li HX, Wang Q  
Experimental studies on complex oscillations in a Mn<sup>2+</sup>- catalyzed acidic bromate-glucose reaction  
BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN, 74: 1817-1821 (2001)
32. Li HX, Xu YP, Wang MH  
New types of oscillations in the BrO<sub>3</sub><sup>-</sup>-serine-Mn<sup>2+</sup>-H<sub>2</sub>SO<sub>4</sub> system  
CHEMISTRY LETTERS: 754-755 (2002)
33. Li HX, Xu YP, Wang MH  
Several types of oscillations in Belousov-Zhabotinskii reactions with amino acids as organic substrates  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 34: 405-410 (2002)
34. Li HX, Wang Q, Zhou HN  
Studies on the oscillating reactions in closed serine-BrO<sub>3</sub><sup>-</sup>- Mn<sup>2+</sup>-H<sub>2</sub>SO<sub>4</sub> system  
ACTA CHIMICA SINICA, 60: 246-250 (2002)
35. Rastogi R P, Husain M M, Chad P, et al  
CHEM PHYS LETT, 353: (1-2) 40-48 (2002)
36. Rastogi R P, Chad P  
CHEM PHYS LETT, 369: (3-4) 434-440 (2003)
37. Neufeld Z, Kiss IZ, Zhou CS, et al.  
[Synchronization and oscillator death in oscillatory media with stirring](#)  
PHYSICAL REVIEW LETTERS 91 (8): Art. No. 084101 AUG 22 2003
38. Wang JC  
[Stirring-induced oscillations in an excitable chemical system with inhomogeneous reaction dynamics](#)

JOURNAL OF PHYSICAL CHEMISTRY A 107 (41): 8774-8778 OCT 16 2003

39. Farbulova Z, Sevcik P, Adamcikova L

[Effects of chloride and bromide ions on sequential oscillations in the uncatalyzed bromate oscillator](#)

COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS 68 (11): 2093-2104  
2003

40. Zhang YZ, An CJ, Ding ZZ, et al.

[Study of non-linear kinetics on the oscillating reactions in the system of AA -BrO<sub>3</sub>--Mn<sup>2+</sup>-H<sub>2</sub>SO<sub>4</sub>](#)

CHINESE JOURNAL OF INORGANIC CHEMISTRY 20 (5): 519-523 MAY 2004

McCormick WD, Noszticzius Z, Swinney HL

INTERRUPTED SEPARATRIX EXCITABILITY IN A CHEMICAL SYSTEM

J CHEM PHYS 94: 2159-2167 (1991)

IF: 3.568

Független idéző: 9

1. Dolnik M, Epstein IR

EXCITABILITY AND BURSTING IN THE CHLORINE DIOXIDE IODIDE REACTION IN A FORCED OPEN SYSTEM

JOURNAL OF CHEMICAL PHYSICS, 97: 3265-3273 (1992)

2. Meron E

PATTERN-FORMATION IN EXCITABLE MEDIA

PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS, 218: 1-66 (1992)

3. Pagitsas M, Sazou D

EFFECT OF THE OHMIC POTENTIAL DROP ON THE ONSET OF CURRENT OSCILLATIONS AT THE TRANSITION BETWEEN ACTIVE AND PASSIVE STATES OF A COBALT ELECTRODE IN PHOSPHORIC-ACID SOLUTIONS

JOURNAL OF ELECTROANALYTICAL CHEMISTRY, 334: 81-101 (1992)

4. Pagitsas M, Karantonis A, Sazou D

APPLICATION OF PERIODIC FORCING ON THE SIMPLIFIED FRANCK- FITZHUGH MODEL

FOR THE ELECTROCHEMICAL OSCILLATIONS OBSERVED DURING THE

ELECTRODISSOLUTION OF IRON IN SULFURIC-ACID- SOLUTIONS

ELECTROCHIMICA ACTA, 37: 1047-1059 (1992)

5. Dechert G, Schneider FW

SHIFTING AND SWITCHING BETWEEN CHEMICAL STEADY-STATES THROUGH ELECTRODE PROCESSES

42

JOURNAL OF PHYSICAL CHEMISTRY, 98: 3927-3929 (1994)

6. Rabinovitch A, Rogachevskii I

Threshold, excitability and isochrones in the Bonhoeffer-van der Pol system

CHAOS, 9: 880-886 (1999)

7. Karantonis A, Shiomi Y, Nakabayashi S

Laser experiments and theoretical modeling for the diagnosis of bifurcation sequences of an oscillating electrode reaction

INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, 11: 1275-1294 (2001)

8. Westerhoff, Hauser, Weimer, Satnoianu, Sorensen, Munster, Marek, Scott, Orban, Hantz, Jonnalagadda,

Wang, Hanke, Gaspar, Noszticzius, Epstein, Dano, Hunding, Nicolis, Menzinger, Schreiber, Harrison,

Maini, Kaern, Merkin, Feigin, Simon

General discussion

FARADAY DISCUSSIONS, 120: 325-351 (2001)

9. Zagora J, Voslar M, Schreiberova L, Schreiber I

Excitable dynamics in the bromate-sulfite-ferrocyanide reaction

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1284-1291 (2002)

10. Dilao R, Volford A

[Excitability in a model with a saddle-node homoclinic bifurcation](#)

DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B 4 (2): 419-434 MAY 2004

11. Voslar M, Schreiber I

[Excitable dynamics and threshold sets in nonlinear systems](#)

PHYSICAL REVIEW E 69 (2): Art. No. 026210 Part 2 FEB 2004

Kshirsagar G, Noszticzius Z, McCormick WD, Swinney HL  
SPATIAL PATTERNS IN A UNIFORMLY FED MEMBRANE REACTOR  
PHYSICA D 49: 5-12 (1991)

IF: 1.805

Független idéző: 17 Függo idéző: 8 Összesen: 25

- Aliev RR, Agladze KI  
1. CRITICAL CONDITIONS OF CHEMICAL WAVE-PROPAGATION IN GEL LAYERS WITH AN IMMOBILIZED CATALYST  
PHYSICA D, 50: 65-70 (1991)
- Dekepper P, Castets V, Dulos E, Boissonade J  
2. TURING-TYPE CHEMICAL-PATTERNS IN THE CHLORITE-IODIDE-MALONIC ACID REACTION  
PHYSICA D, 49: 161-169 (1991)
- Elezgara J  
3. J. Chem. Phys., 95: 323 (1991)
- Ouyang Q, Swinney HL  
\* 4. TRANSITION FROM A UNIFORM STATE TO HEXAGONAL AND STRIPED TURING PATTERNS  
NATURE, 352: 610-612 (1991)
- Agladze K, Dulos E, Dekepper P  
5. TURING PATTERNS IN CONFINED GEL AND GEL-FREE MEDIA  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 2400-2403 (1992)
- Dewit A, Dewel G, Borckmans P, Walgraef D  
6. 3-DIMENSIONAL DISSIPATIVE STRUCTURES IN REACTION DIFFUSION- SYSTEMS  
PHYSICA D, 61: 289-296 (1992)
- Krinsky VI, Efimov IR, Jalife J  
7. VORTICES WITH LINEAR CORES IN EXCITABLE MEDIA  
PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON SERIES A, 437: 645-655 (1992)
- 43 Noszticzius Z, Qi OY, McCormick WD, Swinney HL  
\* 8. EFFECT OF TURING PATTERN INDICATORS ON CIMA OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 6302-6307 (1992)
- Noszticzius Z, Qi OY, McCormick WD, Swinney HL  
\* 9. LONG-LIVED OSCILLATIONS IN THE CHLORITE IODIDE MALONIC-ACID REACTION IN BATCH  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 114: 4290-4295 (1992)
- Scott SK, Showalter K  
10. SIMPLE AND COMPLEX PROPAGATING REACTION DIFFUSION FRONTS  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 8702-8711 (1992)
- Vigil RD, Ouyang Q, Swinney HL  
\* 11. TURING PATTERNS IN A SIMPLE GEL REACTOR  
PHYSICA A, 188: 17-25 (1992)
- Arneodo A, Argoul F, Elezgaray J, Richetti P  
12. HOMOCLINIC CHAOS IN CHEMICAL-SYSTEMS  
PHYSICA D, 62: 134-169 (1993)
- Chinake CR, Simoyi RH  
13. FINGERING PATTERNS AND OTHER INTERESTING DYNAMICS IN THE CHEMICAL WAVES GENERATED BY THE CHLORITE-THIOUREA REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 4012-4019 (1994)
- Ouchi K, Horita T, Egami K, Fujisaka H  
14. SCALING PROPERTY IN THE FORMATION OF DISSIPATIVE STRUCTURES IN A REACTION-DIFFUSION SYSTEM  
PHYSICA D, 71: 367-371 (1994)
- Pota G, Stedman G  
15. EXOTIC BEHAVIOR OF CHEMICAL-REACTION SYSTEMS  
ACH-MODELS IN CHEMISTRY, 131: 229-268 (1994)
16. Zhabotinsky AM, Gyorgyi L, Dolnik M, Epstein IR



STRATIFICATION IN A THIN-LAYERED EXCITABLE REACTION-DIFFUSION SYSTEM WITH TRANSVERSE CONCENTRATION GRADIENTS  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 7981-7990 (1994)

Lazar A, Noszticzius Z, Forsterling HD, Nagyungvarai Z

- \* 17. CHEMICAL WAVES IN MODIFIED MEMBRANES .1. DEVELOPING THE TECHNIQUE  
PHYSICA D, 84: 112-119 (1995)

Lazar A, Noszticzius Z, Farkas H, Forsterling HD

- \* 18. INVOLUTES - THE GEOMETRY OF CHEMICAL WAVES ROTATING IN ANNULAR MEMBRANES  
CHAOS, 5: 443-447 (1995)

Marlovits G, Wittmann M, Noszticzius Z, Gaspar V

- \* 19. A NEW CHEMICAL OSCILLATOR IN A NOVEL OPEN REACTOR - THE CLO<sub>2</sub>-I- 2-ACETONE SYSTEM IN A MEMBRANE FED STIRRED-TANK REACTOR  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 5359-5364 (1995)

Martincigh BS, Simoyi RH

20. CONVECTIVE INSTABILITIES INDUCED BY AN EXOTHERMIC AUTOCATALYTIC CHEMICAL-REACTION  
PHYSICAL REVIEW E, 52: 1606-1613 (1995)

Johnson BR, Scott SK

21. New approaches to chemical patterns  
CHEMICAL SOCIETY REVIEWS, 25: 265-& (1996)

Merkin JH, Petrov V, Scott SK, Showalter K

22. Wave-induced chaos in a continuously fed unstirred reactor  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 92: 2911-2918 (1996)

Belmonte AL, Qi OY, Flesselles JM

23. Experimental survey of spiral dynamics in the Belousov- Zhabotinsky reaction  
JOURNAL DE PHYSIQUE II, 7: 1425-1468 (1997)

Hegedus L, Kirschner N, Wittmann M, Noszticzius Z

- \* 24. Electrolyte transistors: Ionic reaction-diffusion systems with amplifying properties  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 6491-6497 (1998)

Rambidi NG, Kuular Too, Makhaeva EE

25. Information-processing capabilities of chemical reaction- diffusion systems. I. Belousov-Zhabotinsky media in hydrogel matrices and on solid supports  
ADVANCED MATERIALS FOR OPTICS AND ELECTRONICS, 8: 163-171 (1998)

1990

Swinney HL, McCormick WD, Noszticzius Z

EXPERIMENTS ON TEMPORAL AND SPATIAL CHEMICAL PATTERNS  
REACT KINET CATAL LET 42: 253-262 (1990)

IF: 0.230

44 Független idéző: 1

Sidelnikov DI, Gritsenko OV, Simonova AP, Rambidi NG, Polezhaev AA, Chernavskii DS

1. NONLINEAR DYNAMICS OF THE DISTRIBUTED BIOCHEMICAL SYSTEMS FUNCTIONING IN THE DISSIPATIVE STRUCTURE FORMATION MODE  
BIOLOGICAL CYBERNETICS, 68: 53-62 (1992)

Stuk L, Roberts J, McCormick WD, Noszticzius Z

FURTHER EVIDENCE FOR RADICAL-CONTROLLED OSCILLATIONS IN THE BELOUSOV-ZHABOTINSKII REACTION - LARGE EFFECTS OF ULTRAVIOLET- LIGHT AND SILVER IONS  
J PHYS CHEM 94: 6734-6737 (1990)

IF: 3.063

Független idéző: 11 Függo idéző: 2 Összesen: 13

45

Buhse T, Thiemann W

1. CHIRAL INTERMEDIATES AND THE OSCILLATORY EFFECT OF CIRCULAR- DICHOISM IN THE BELOUSOV-ZHABOTINSKII TYPE REACTION OF L- ASCORBIC-ACID  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL, 46: 1406-1414 (1991)

2. Gyorgyi L, Rempe SL, Field RJ

- A NOVEL MODEL FOR THE SIMULATION OF CHAOS IN LOW-FLOW-RATE CSTR EXPERIMENTS WITH THE BELOUSOV ZHABOTINSKY REACTION - A CHEMICAL MECHANISM FOR 2 FREQUENCY OSCILLATIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 3159-3165 (1991)
- Noszticzus Z, Bodnar Z, Garamszegi L, Wittmann M  
HYDRODYNAMIC TURBULENCE AND DIFFUSION-CONTROLLED REACTIONS -
- \* 3. SIMULATION OF THE EFFECT OF STIRRING ON THE OSCILLATING BELOUSOV-ZHABOTINSKY REACTION WITH THE RADICALATOR MODEL  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 6575-6580 (1991)
- Roberts J, Stuk L, McCormick WD  
\* 4. COMPETITION BETWEEN SILVER IONS AND OXYBROMINE SPECIES FOR BROMIDE IONS IN THE SILVER-PERTURBED BELOUSOV ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 3165-3167 (1991)
- Hanazaki I  
5. CROSS-SECTION OF LIGHT-INDUCED INHIBITION AND INDUCTION OF CHEMICAL OSCILLATIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 5652-5657 (1992)
- Mori Y, Hanazaki I  
6. PRIMARY PHOTOCHEMICAL PROCESSES OF LIGHT-INDUCED PH OSCILLATION IN THE  $Fe(CN)_6^{4-}/H_2O_2$  SYSTEM  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 9083-9087 (1992)
- Lalitha PV, Ramaswamy R  
7. NEW SUBSTRATES IN THE FERROIN-CATALYZED BROMATE SYSTEM IN AQUEOUS-ORGANIC MIXED-MEDIA  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 25: 457-468 (1993)
- Yoneyama M, Fujii A, Maeda S  
8. CHEMICAL WAVES ON THE SURFACE OF A PHOTSENSITIVE MONOLAYER  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 116: 7294-7298 (1994)
- Abe J, Matsuda K, Taka M, Shirai Y  
9. ENHANCEMENT OF PHOTSENSITIVITY IN THE ALCOHOL-ADDED FERROIN-CATALYZED BELOUSOV-ZHABOTINSKY REACTION SYSTEM  
CHEMICAL PHYSICS LETTERS, 245: 281-286 (1995)
- Faria RD  
10. INTRODUCTION TO OSCILLATING CHEMICAL-SYSTEMS  
QUIMICA NOVA, 18: 281-294 (1995)
- Hanazaki I, Mori Y, Sekiguchi T, Rabai G  
11. PHOTO-RESPONSE OF CHEMICAL OSCILLATORS  
PHYSICA D, 84: 228-237 (1995)
- Strizhak PE  
12. NEW APPROACH TO SYNTHESIS OF FRACTAL MATERIALS WITH A GIVEN FRACTAL DIMENSION - SYNTHESIS AND SOME PROPERTIES OF AMORPHOUS FRACTAL FILMS OF COPPER SULFIDE  
BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 99: 1226-1229 (1995)
- Strizhak PE  
13. FORMATION OF CUS FRACTAL FILMS INDUCED BY SPATIAL PATTERNS IN SELF-ORGANIZED CHEMICALLY REACTIVE MEDIA ( $H_2O_2$ - $Cu^{2+}$ - $O_2$ - $MB^{+}$ - $HS^{-}$  SYSTEM)  
CHEMICAL PHYSICS LETTERS, 241: 360-364 (1995)
- Noszticzus Z, Horsthemke W, McCormick W D, Swinney H L  
Sustained chemical waves in a Turing-Nicolis-Prigogine ring reactor  
46 In: Gray P, Nicolis G, Baras F, Boreckmans P, Scott S K (ed.) Spatial Inhomogeneities and Transient Behaviour in Chemical Kinetics, Conference held in Brussels, 1987, Manchester and New York: Manchester University Press, 1990. pp. 429-432  
Független idéző: 12

1. Frankowicz M, Kawczynski A L  
J. Phys. Chem., 93: 2755-2759 (1989)
  - Boissonade J, Boukalouch M, Dekepper P
  2. In: Spatial inhomogeneities and transient behaviour in chemical kinetics (szerk.) Gray P.; Nicolis G.; Baras F.; Borckmans P.; Scott S.K., Manchester Unive, 1990. 433-445
  3. Sevcik P, Kolinkov L  
Coll.Czech., 58: 13009-13014 (1993)
  4. Buhse T, Pimienta V, Lavabre D, Micheau JC  
J PHYS CHEM A , 101: (29) 5215-5217 (1997)
  5. Gorecki J, Kawczynski AL, Nowakowski B  
POLISH J CHEM, 71: (2) 244-252 (1997)
  - Epstein I R, Pojman J A
  6. AN INTRODUCTION TO NONLINEAR CHEMICAL DYNAMICS  
New York: Oxford University Press, 1998.
  7. Gorecki J, Gorecka JN  
ACTA PHYS POL B, 29: (6) 1663-1690 (1998)
  8. Nowakowski B, Gorecki J, Kawczynski AL  
J PHYS CHEM A, 102: (37) 7250-7256 (1998)
  9. Nowakowski B, Kawczynski AL  
J PHYS CHEM A, 102: (29) 5974-5981 (1998)
  10. Kalliadasis S, Merkin JH, Scott SK  
PHYS CHEM CHEM PHYS, 2: (10) 2319-2327 (2000)
  11. Sevcik P, Kissimonova K, Adamcikova L  
J PHYS CHEM A, 104: (17) 3958-3963 (2000)
  12. Wang HL, Li QS  
SCI CHINA SER B, 43: (4) 357-365 (2000)
- Noszticzus Z, Horsthemke W, McCormick W D, Swinney H L, Tam W Y  
Annular gel reactor for chemical pattern formation  
47 Lajstromszám:4,968,484  
Közzététel éve:1990  
Benyújtás helye:Egyesült Államok
- McCormick WD, Swinney HL, Noszticzus Z
- 48 SUSTAINED SPATIAL STRUCTURES  
ABSTR PAP AM CHEM SOC 199: 146-PHYS (1990)
- Forsterling HD, Murányi S, Noszticzus Z  
THE ROLE OF FREE RADICALS IN THE BELOUSOV - ZHABOTINSKY REACTION  
REACT KINET CATAL LET 42: 217-226 (1990)  
IF: 0.230  
Független idéző: 10 Függo idéző: 5 Összesen: 15
- Forsterling HD, Stuk L
- \* 1. INVESTIGATION OF RADICAL REACTIONS IMPORTANT IN THE GYORGYI- TURANYI-  
FIELD MODEL OF THE BELOUSOV-ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 7320-7325 (1991)
- Gyorgyi L, Rempe SL, Field RJ
- 49 A NOVEL MODEL FOR THE SIMULATION OF CHAOS IN LOW-FLOW-RATE CSTR
2. EXPERIMENTS WITH THE BELOUSOV ZHABOTINSKY REACTION - A CHEMICAL  
MECHANISM FOR 2 FREQUENCY OSCILLATIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 3159-3165 (1991)
- Hlavacova J, Sevcik P
3. A SIMULATION OF THE BELOUSOV-ZHABOTINSKII REACTION WITH OXALIC- ACID  
WITHOUT BROMINE REMOVAL  
CHEMICAL PHYSICS LETTERS, 182: 588-594 (1991)
- Noszticzus Z, Bodnar Z, Garamszegi L, Wittmann M
- \* 4. HYDRODYNAMIC TURBULENCE AND DIFFUSION-CONTROLLED REACTIONS -  
SIMULATION OF THE EFFECT OF STIRRING ON THE OSCILLATING BELOUSOV-

ZHABOTINSKY REACTION WITH THE RADICALATOR MODEL  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 6575-6580 (1991)

Tikhonova LP

- BELOUSOV-ZHABOTINSKY OSCILLATING CHEMICAL-REACTIONS WITH  
5. PARTICIPATION OF THE COMPLEXES OF TRANSITION-METALS WITH 1,10-  
PHENANTHROLINE AND 2,2'-DIPYRIDINE  
TEORETICHESKAYA I EKSPERIMENTALNAYA KHIMIYA, 27: 346-353 (1991)
- Forsterling HD, Stuk L  
\* 6. EFFECTS OF  $CE_4^+$  SULFATO COMPLEX-FORMATION IN THE BELOUSOV- ZHABOTINSKII  
REACTION - ESR STUDIES OF MALONYL RADICAL FORMATION  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 3067-3072 (1992)
- Hlavacova J, Adamcikova L, Sevcik P  
7. MODELS, MECHANISM AND NUMERICAL SIMULATIONS OF THE BELOUSOV-  
ZHABOTINSKI REACTION  
CHEMICKE LISTY, 86: 796-806 (1992)
- Forsterling HD, Varga M  
\* 8. HBRO<sub>2</sub>/CE<sub>4</sub><sup>+</sup> REACTION AND HBRO<sub>2</sub> DISPROPORTIONATION MEASURED IN SULFURIC-  
ACID-SOLUTION AT DIFFERENT ACIDITIES  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 7932-7938 (1993)
- Misra GP, Washington RP, Pojman JA  
9. New experimental and computational results on the radical- controlled oscillating Belousov-  
Zhabotinsky reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 612-619 (1998)
- Sirimungkala A, Forsterling HD, Dlask V, Field RJ  
\* 10. Bromination reactions important in the mechanism of the Belousov-Zhabotinsky system  
JOURNAL OF PHYSICAL CHEMISTRY A, 103: 1038-1043 (1999)
- Washington RP, West WW, Misra GP, Pojman JA  
11. Polymerization coupled to oscillating reactions: (1) a mechanistic investigation of acrylonitrile  
polymerization in the Belousov-Zhabotinsky reaction in a batch reactor  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 121: 7373-7380 (1999)
- Li HX, Wang Q  
12. Experimental studies on complex oscillations in a Mn<sup>2+</sup>- catalyzed acidic bromate-glucose reaction  
BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN, 74: 1817-1821 (2001)
- Li HX, Xu YP, Wang MH  
13. Several types of oscillations in Belousov-Zhabotinskii reactions with amino acids as organic substrates  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 34: 405-410 (2002)
- Li HX, Wang Q, Zhou HN  
14. Studies on the oscillating reactions in closed serine-BrO<sub>3</sub><sup>-</sup>- Mn<sup>2+</sup>-H<sub>2</sub>SO<sub>4</sub> system  
ACTA CHIMICA SINICA, 60: 246-250 (2002)
- Taylor A F  
15. PROG REACT KINET MEC, 27: (4) 247-325 (2002)

Forsterling HD, Murányi S, Noszticzius Z

EVIDENCE OF MALONYL RADICAL CONTROLLED OSCILLATIONS IN THE BELOUSOV-  
ZHABOTINSKY REACTION (MALONIC ACID-BROMATE-CERIUM SYSTEM)  
J PHYS CHEM 94: 2915-2921 (1990)

IF: 3.063

Független idéző: 38 Függo idéző: 13 Összesen: 51

- \*1.Forsterling HD, Muranyi S  
50 CONTRIBUTION OF MALONYL RADICAL CONTROL IN THE CLASSICAL BELOUSOV-  
ZHABOTINSKY REACTION  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 45: 1259-1266  
(1990)
- 2.Gyorgyi L, Turanyi T, Field RJ  
MECHANISTIC DETAILS OF THE OSCILLATORY BELOUSOV-ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 7162-7170 (1990)
- 3.Adamcikova L, Sevcik P

EFFECTS OF SULFATE AND PERCHLORATE IONS ON AN OSCILLATORY REACTION OF THE BELOUSOV-ZHABOTINSKII TYPE WITH OXALIC-ACID

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 87: 3821-3824 (1991)

4.Gyorgyi L, Rempe SL, Field RJ

A NOVEL MODEL FOR THE SIMULATION OF CHAOS IN LOW-FLOW-RATE CSTR EXPERIMENTS WITH THE BELOUSOV ZHABOTINSKY REACTION - A CHEMICAL MECHANISM FOR 2 FREQUENCY OSCILLATIONS

JOURNAL OF PHYSICAL CHEMISTRY, 95: 3159-3165 (1991)

5.Hlavacova J, Sevcik P

A SIMULATION OF THE BELOUSOV-ZHABOTINSKII REACTION WITH OXALIC- ACID WITHOUT BROMINE REMOVAL

CHEMICAL PHYSICS LETTERS, 182: 588-594 (1991)

6.Hynne F, Sorensen PG, Neergaard H

OSCILLATIONS OF [HBRO<sub>2</sub>], [HBRO], [BR-], AND [CE-4+] IN THE BELOUSOV-ZHABOTINSKY REACTION RECONSTRUCTED FROM QUENCHING EXPERIMENTS

JOURNAL OF PHYSICAL CHEMISTRY, 95: 1315-1318 (1991)

7.Liu JL, Scott SK

HYSTERESIS AND COMPLEX OSCILLATIONS OF THE UNCATALYZED BELOUSOV-ZHABOTINSKII REACTION IN A STIRRED FLOW REACTOR

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 87: 2135-2140 (1991)

8.Melicherik M, Treindl L

THE FERROIN-CATALYZED BELOUSOV-ZHABOTINSKII SYSTEM WITH A CLOCK BEHAVIOR

CHEMICAL PHYSICS LETTERS, 181: 575-578 (1991)

\*9.Noszticzius Z, Bodnar Z, Garamszegi L, Wittmann M

HYDRODYNAMIC TURBULENCE AND DIFFUSION-CONTROLLED REACTIONS - SIMULATION OF THE EFFECT OF STIRRING ON THE OSCILLATING BELOUSOV-ZHABOTINSKY REACTION WITH THE RADICALATOR MODEL

JOURNAL OF PHYSICAL CHEMISTRY, 95: 6575-6580 (1991)

10.Roberts J, Stuk L, McCormick WD

COMPETITION BETWEEN SILVER IONS AND OXYBROMINE SPECIES FOR BROMIDE IONS IN THE SILVER-PERTURBED BELOUSOV ZHABOTINSKII REACTION

JOURNAL OF PHYSICAL CHEMISTRY, 95: 3165-3167 (1991)

11.Srivastava PK, Mori Y, Hanazaki I

DUAL-FREQUENCY CHEMICAL OSCILLATORS WITH ACETYLPHENOLS AS SUBSTRATES

JOURNAL OF PHYSICAL CHEMISTRY, 95: 1636-1639 (1991)

\*12.Forsterling HD, Stuk L

EFFECTS OF CE<sup>4+</sup> SULFATO COMPLEX-FORMATION IN THE BELOUSOV- ZHABOTINSKII REACTION - ESR STUDIES OF MALONYL RADICAL FORMATION

JOURNAL OF PHYSICAL CHEMISTRY, 96: 3067-3072 (1992)

13.Hlavacova J, Adamcikova L, Sevcik P

MODELS, MECHANISM AND NUMERICAL SIMULATIONS OF THE BELOUSOV-ZHABOTINSKI REACTION

CHEMICKE LISTY, 86: 796-806 (1992)

14.Misra GP

EFFECT OF TEMPERATURE AND ASSOCIATED BIFURCATION IN THE OSCILLATORY BELOUSOV-ZHABOTINSKII REACTION IN A FLOW REACTOR

CHEMICAL PHYSICS LETTERS, 191: 435-440 (1992)

\*15.Muranyi S, Noszticzius Z

ON THE PROBLEM OF BROMIDE CONTROL IN A TL<sub>3</sub><sup>+</sup>-PERTURBED BELOUSOV-ZHABOTINSKY OSCILLATOR

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 47: 605-613 (1992)

16.Pojman JA, Leard DC, West W

PERIODIC POLYMERIZATION OF ACRYLONITRILE IN THE CERIUM- CATALYZED BELOUSOV-ZHABOTINSKII REACTION

- JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 114: 8298-8299 (1992)
- 17.Rastogi RP, Misra GP  
FURTHER TESTS ON THE BROMINE HYDROLYSIS CONTROLLED MODEL AND CL-  
PERTURBATION OF BROMATE-DRIVEN OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 4426-4432 (1992)
- 18.Chou YC, Lin HP, Sun SS, Jwo JJ  
KINETIC-STUDY OF THE FERRIIN OXIDATION OF MALONIC-ACID AND ITS DERIVATIVES -  
IMPLICATION IN THE BELOUSOV-ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 8450-8457 (1993)
- \*19.Forsterling HD, Varga M  
HBRO<sub>2</sub>/CE<sub>4</sub><sup>+</sup> REACTION AND HBRO<sub>2</sub> DISPROPORTIONATION MEASURED IN SULFURIC-  
ACID-SOLUTION AT DIFFERENT ACIDITIES  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 7932-7938 (1993)
- 20.Turanyi T, Gyorgyi L, Field RJ  
ANALYSIS AND SIMPLIFICATION OF THE GTF MODEL OF THE BELOUSOV- ZHABOTINSKY  
REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 1931-1941 (1993)
- 21.Zhabotinsky AM, Buchholtz F, Kiyatkin AB, Epstein IR  
OSCILLATIONS AND WAVES IN METAL-ION-CATALYZED BROMATE OSCILLATING  
REACTIONS IN HIGHLY OXIDIZED STATES  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 7578-7584 (1993)
- \*22.Gao Y, Forsterling HD, Noszticzius Z, Meyer B  
HPLC STUDIES ON THE ORGANIC SUBSET OF THE OSCILLATORY BZ REACTION .1.  
PRODUCTS OF THE CE<sub>4</sub><sup>+</sup>-MALONIC ACID REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 8377-8380 (1994)
- 23.Zhabotinsky AM, Gyorgyi L, Dolnik M, Epstein IR  
STRATIFICATION IN A THIN-LAYERED EXCITABLE REACTION-DIFFUSION SYSTEM WITH  
TRANSVERSE CONCENTRATION GRADIENTS  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 7981-7990 (1994)
- 24.Adamcikova L, Sevcik P  
SEQUENTIAL OSCILLATIONS IN UNCATALYZED BROMATE OSCILLATOR IN A CLOSED  
REACTOR  
REACTION KINETICS AND CATALYSIS LETTERS, 56: 137-142 (1995)
- \*25.Gao Y, Forsterling HD  
OSCILLATIONS IN THE BROMOMALONIC ACID/BROMATE SYSTEM CATALYZED BY  
[RU(BIPY)<sub>3</sub>](<sup>2+</sup>)  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 8638-8644 (1995)
- 26.Kohler JM, Muller SC  
FROZEN CHEMICAL WAVES IN THE BELOUSOV-ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 980-983 (1995)
- 27.Epstein IR, Showalter K  
Nonlinear chemical dynamics: Oscillations, patterns, and chaos  
JOURNAL OF PHYSICAL CHEMISTRY, 100: 13132-13147 (1996)
- 28.Li HX  
Study on the dual-frequency oscillations in galactose-BZ system  
CHINESE JOURNAL OF CHEMISTRY, 15: 25-30 (1997)
- 29.Rastogi RP, Khare R, Misra GP, Srivastava S  
A new B-Z oscillator with a modified control mechanism  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC, 36: 19-30 (1997)
- 30.Epstein I R Pojman J A  
AN INTRODUCTION TO NONLINEAR CHEMICAL DYNAMICS  
New York: Oxford University Press, 1998.
- 31.Misra GP, Washington RP, Pojman JA  
New experimental and computational results on the radical- controlled oscillating Belousov-Zhabotinsky  
reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 612-619 (1998)



- \*32. Osolonovitch J, Forsterling HD, Wittmann M, Noszticzius Z  
HPLC studies on the organic subset of the oscillatory BZ reaction .3. Products of the Ce<sup>4+</sup>-bromomalonic acid reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 922-927 (1998)
- \*33. Szalai I, Forsterling HD, Noszticzius Z  
HPLC studies on the photochemical formation of free radicals from malonic acid  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 3118-3120 (1998)
34. Taylor AF, Johnson BR, Scott SK  
Effect of oxygen on wave propagation in the ferroin-catalysed Belousov-Zhabotinsky reaction  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 94: 1029-1033 (1998)
35. Zeyer KP, Schneider FW  
Periodicity and chaos in chemiluminescence: The ruthenium- catalyzed Belousov-Zhabotinsky reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 9702-9709 (1998)
- \*36. Sirimungkala A, Forsterling HD, Dlak V, Field RJ  
Bromination reactions important in the mechanism of the Belousov-Zhabotinsky system  
JOURNAL OF PHYSICAL CHEMISTRY A, 103: 1038-1043 (1999)
37. Washington RP, West WW, Misra GP, Pojman JA  
Polymerization coupled to oscillating reactions: (1) a mechanistic investigation of acrylonitrile polymerization in the Belousov-Zhabotinsky reaction in a batch reactor  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 121: 7373-7380 (1999)
38. Amemiya T, Ohmori T, Yamaguchi T  
An Oregonator-class model for photoinduced behavior in the Ru(bpy)<sub>3</sub>(<sup>2+</sup>)-catalyzed Belousov-Zhabotinsky reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 104: 336-344 (2000)
- \*39. Hegedus L, Forsterling HD, Kokai E, Pelle K, Taba G, Wittmann M, Noszticzius Z  
Chemical mechanism of the radical feedback loop in the classical BZ reaction. Malonyl bromite and oxalic acid as flow- through intermediates  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 4023-4028 (2000)
- \*40. Szalai I, Osolonovitch J, Forsterling HD  
Oscillations in the bromomalonic acid/bromate system catalyzed by [Ru(phen)<sub>3</sub>](<sup>2+</sup>)  
JOURNAL OF PHYSICAL CHEMISTRY A, 104: 1495-1498 (2000)
41. Adamcikova L, Farbulova Z, Sevcik P  
Dynamic behavior during the oxidation of phenol with bromate in a closed reactor  
NEW JOURNAL OF CHEMISTRY, 25: 487-490 (2001)
- \*42. Hegedus L, Wittmann M, Noszticzius Z, Yan SH, Sirimungkala A, Forsterling HD, Field RJ  
HPLC analysis of complete BZ systems. Evolution of the chemical composition in cerium and ferroin catalysed batch oscillators: experiments and model calculations  
FARADAY DISCUSSIONS, 120: 21-38 (2001)
43. Amemiya T, Yamamoto T, Ohmori T, Yamaguchi T  
Experimental and model studies of oscillations, photoinduced transitions, and steady states in the Ru(bPY)<sub>3</sub>(<sup>2+</sup>)-catalyzed Belousov-Zhabotinsky reaction under different solute compositions  
JOURNAL OF PHYSICAL CHEMISTRY A, 106: 612-620 (2002)
44. Li HX, Xu YP, Wang MH  
Several types of oscillations in Belousov-Zhabotinskii reactions with amino acids as organic substrates  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 34: 405-410 (2002)
45. Li HX, Wang Q, Zhou HN  
Studies on the oscillating reactions in closed serine-BrO<sub>3</sub><sup>-</sup>- Mn<sup>2+</sup>-H<sub>2</sub>SO<sub>4</sub> system  
ACTA CHIMICA SINICA, 60: 246-250 (2002)
46. Pal SC, Banerjee RS  
Chemical oscillation  
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, 79: 393-408 (2002)
47. Rastogi RP, Husain MM, Chand P, Misra GP, Das M  
Anomalous control mechanism in a B-Z type oscillator involving fructose as organic substrate  
CHEMICAL PHYSICS LETTERS, 353: 40-48 (2002)
48. Taylor A F  
PROG REACT KINET MEC, 27: (4) 247-325 (2002)

49. Treindl L, Matsumura Inoue T, Ruoff P  
Influence of visible light and malonic acid derivatives on the autocatalytic oxidation of Ru(II) by bromate ions

JOURNAL OF PHYSICAL CHEMISTRY A, 106: 5271-5278 (2002)

50. Adamcikova L, Farbulova Z, Sevcik P et al  
J PHYS CHEM A, 107: (4) 508-511 (2003)

51. Rastogi RP, Chad P  
CHEM PHYS LETT, 369: (3-4) 434-440 (2003)

\*52. Pelle K, Wittmann M, Noszticzius Z, et al.

[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)

JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003

53. Farbulova Z, Sevcik P, Adamcikova L

[Effects of chloride and bromide ions on sequential oscillations in the uncatalyzed bromate oscillator](#)

COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS 68 (11): 2093-2104 2003

54. Kumli PI, Burger M, Hauser MJB, et al.

[Oscillations in the Belousov-Zhabotinsky reaction with sorbitol in the presence of bromine](#)

PHYSICAL CHEMISTRY CHEMICAL PHYSICS 5 (24): 5454-5458 DEC 15 2003

\*55. Pelle K, Wittmann M, Lovrics K, et al.

[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub><sup>-</sup> with oxalic acid](#)

JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004

56. Wang JC, Zhao JP, Chen Y, et al.

[Coexistence of two bifurcation regimes in a closed ferroin-catalyzed Belousov-Zhabotinsky reaction](#)

JOURNAL OF PHYSICAL CHEMISTRY A 109 (7): 1374-1381 FEB 24 2005

1989

Swinney H L, Kreisberg N, McCormick W D, Noszticzius Z, Skinner G

51 Spatiotemporal Patterns in Reaction-Diffusion Systems

In: Campbell K David (ed.) Soviet-American Chaos Conference, Woods Hole, Massachusetts 24-28 July, 1989 in Chaos, Soviet-American Perspectives on Nonlinear Science, z\$, 1989. pp. 197-205

Noszticzius Z, McCormick WD, Swinney HL

USE OF BIFURCATION DIAGRAMS AS FINGERPRINTS OF CHEMICAL MECHANISMS

J PHYS CHEM 93: 2796-2800 (1989)

IF: 2.973

Független idéző: 18 Függo idéző: 7 Összesen: 25

1. Forsterling H D, Idstein H, Pacht R, Schreiber H  
JUORNAL OF PHYSICAL SCIENCES, 39: (10) 993-997 (1984)

Gyorgyi L, Turanyi T, Field RJ

2. MECHANISTIC DETAILS OF THE OSCILLATORY BELOUSOV-ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 7162-7170 (1990)

Rastogi RP, Misra GP

3. JUG HANDLE BIFURCATION AND COMPLEX OSCILLATIONS IN REACTIVE SYSTEMS  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC, 29: 941-944 (1990)

52

Ringland J, Schell M

4. UNIVERSAL GEOMETRY IN THE PARAMETER PLANE OF DISSIPATIVE DYNAMIC-SYSTEMS  
EUROPHYSICS LETTERS, 12: 595-601 (1990)

Ringland J, Issa N, Schell M

5. FROM U SEQUENCE TO FAREY SEQUENCE - A UNIFICATION OF ONE- PARAMETER SCENARIOS  
PHYSICAL REVIEW A, 41: 4223-4235 (1990)

Tam WY, Swinney HL

\* 6. SPATIOTEMPORAL PATTERNS IN A ONE-DIMENSIONAL OPEN REACTION DIFFUSION SYSTEM  
PHYSICA D, 46: 10-22 (1990)

7. Gyorgyi L, Field RJ

- SIMPLE-MODELS OF DETERMINISTIC CHAOS IN THE BELOUSOV- ZHABOTINSKY REACTION  
 JOURNAL OF PHYSICAL CHEMISTRY, 95: 6594-6602 (1991)
- Gyorgyi L, Rempe SL, Field RJ  
 A NOVEL MODEL FOR THE SIMULATION OF CHAOS IN LOW-FLOW-RATE CSTR
8. EXPERIMENTS WITH THE BELOUSOV ZHABOTINSKY REACTION - A CHEMICAL MECHANISM FOR 2 FREQUENCY OSCILLATIONS  
 JOURNAL OF PHYSICAL CHEMISTRY, 95: 3159-3165 (1991)
  - \* 9. KREISBERG N, MCCORMICK WD, SWINNEY HL  
 EXPERIMENTAL DEMONSTRATION OF SUBTLETIES IN SUBHARMONIC INTERMITTENCY  
 PHYSICA D, 50: 463-477 (1991)
  - \* 10. MCCORMICK WD, NOSZTICZIUS Z, SWINNEY HL  
 INTERRUPTED SEPARATRIX EXCITABILITY IN A CHEMICAL-SYSTEM  
 JOURNAL OF CHEMICAL PHYSICS, 94: 2159-2167 (1991)
  - \* 11. NOSZTICZIUS Z, BODNAR Z, GARAMSZEGI L, WITTMANN M  
 HYDRODYNAMIC TURBULENCE AND DIFFUSION-CONTROLLED REACTIONS - SIMULATION OF THE EFFECT OF STIRRING ON THE OSCILLATING BELOUSOV-ZHABOTINSKY REACTION WITH THE RADICALATOR MODEL  
 JOURNAL OF PHYSICAL CHEMISTRY, 95: 6575-6580 (1991)
  12. RINGLAND J  
 RAPID RECONNAISSANCE OF A MODEL OF A CHEMICAL OSCILLATOR BY NUMERICAL CONTINUATION OF A BIFURCATION FEATURE OF CODIMENSION- 2  
 JOURNAL OF CHEMICAL PHYSICS, 95: 555-562 (1991)
  - \* 13. Gyorgyi L, Field RJ, Noszticzius Z, McCormick WD, Swinney HL  
 CONFIRMATION OF HIGH FLOW-RATE CHAOS IN THE BELOUSOV- ZHABOTINSKY REACTION  
 JOURNAL OF PHYSICAL CHEMISTRY, 96: 1228-1233 (1992)
  - \* 14. NOSZTICZIUS Z, Qi OY, MCCORMICK WD, SWINNEY HL  
 EFFECT OF TURING PATTERN INDICATORS ON CIMA OSCILLATORS  
 JOURNAL OF PHYSICAL CHEMISTRY, 96: 6302-6307 (1992)
  15. Yatsimirsky KB, Strizhak PE  
 DETERMINATE CHAOS IN CHEMISTRY  
 TEORETICHESKAYA I EKSPERIMENTALNAYA KHIMIYA, 28: 382-399 (1992)
  16. Strasser P, Stemwedel JD, Ross J  
 ANALYSIS OF A MECHANISM OF THE CHLORITE IODIDE REACTION  
 JOURNAL OF PHYSICAL CHEMISTRY, 97: 2851-2862 (1993)
  17. Strizhak PE, Didenko OZ  
 TEMPERATURE-DEPENDENCE OF QUANTITATIVE PARAMETERS OF CHAOTIC REGIME IN BELOUSOV-ZHABOTINSKII REACTION  
 TEORETICHESKAYA I EKSPERIMENTALNAYA KHIMIYA, 29: 186-190 (1993)
  18. Strizhak PE, Didenko OZ  
 THE INFLUENCE OF COPPER(II) IONS ON THE CHAOTIC REGIME OF BELOUSOV-ZHABOTINSKII OSCILLATING CHEMICAL-REACTION  
 TEORETICHESKAYA I EKSPERIMENTALNAYA KHIMIYA, 29: 418-423 (1993)
  19. Ringland J, Schell M  
 UNIVERSAL GEOMETRY IN THE PARAMETER PLANE OF DISSIPATIVE DYNAMICAL-SYSTEMS (VOL 12, PG 595, 1990)  
 EUROPHYSICS LETTERS, 26: 637-638 (1994)
  20. Tracqui P  
 ORGANIZING CENTERS AND SYMBOLIC DYNAMIC IN THE STUDY OF MIXED- MODE OSCILLATIONS GENERATED BY MODELS OF BIOLOGICAL AUTOCATALYTIC PROCESSES  
 ACTA BIOTHEORETICA, 42: 147-166 (1994)
  21. Wang JC, Sorensen PG, Hynne F  
 Transient complex oscillations in the closed Belousov- Zhabotinsky reaction: Experimental and

computational studies  
ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF, 192: 63-76  
(1995)

Guderian A, Munster AF, Kraus M, Schneider FW

22. Electrochemical chaos control in a chemical reaction: Experiment and simulation  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 5059-5064 (1998)

Zeyer KP, Schneider FW

23. Periodicity and chaos in chemiluminescence: The ruthenium- catalyzed Belousov-Zhabotinsky reaction

JOURNAL OF PHYSICAL CHEMISTRY A, 102: 9702-9709 (1998)

Hegedus L, Forsterling HD, Kokai E, Pelle K, Taba G, Wittmann M, Noszticzius Z

- \* 24. Chemical mechanism of the radical feedback loop in the classical BZ reaction. Malonyl bromite and oxalic acid as flow- through intermediates

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 4023-4028 (2000)

25. Strizhak PE, Khavrus VO, Bar Eli K

Effect of NO, CO, and Cl-2 on mixed-mode regimes in the Belousov-Zhabotinsky oscillating chemical reaction in a CSTR

JOURNAL OF PHYSICAL CHEMISTRY A, 106: 2505-2511 (2002)

26. Strizhak PE

[Application of chemical chaos to analytical chemistry](#)

ADVANCES IN COMPLEX SYSTEMS 6 (1): 137-153 MAR 2003

McCormick W D, Noszticzius Z, Swinney H L

Excitability and Quasi-Excitability: Definitions and Experiments

In: International Conference on Dynamics of Exotic Phenomena in Chemistry, Hajdúszoboszló, Preprints,

53 1989. pp. 263-264

Független idéző: 1

1. Sevcikova H, Marek M

1. Physica D, 49: 114-124 (1991)

Forsterling HD, Noszticzius Z

AN ADDITIONAL NEGATIVE FEEDBACK LOOP IN THE CLASSICAL BELOUSOV-ZHABOTINSKY REACTION - MALONYL RADICAL AS A SECOND CONTROL INTERMEDIATE  
J PHYS CHEM 93: 2740-2748 (1989)

IF: 2.973

Független idéző: 48 Függo idéző: 1 Összesen: 49

1. Adamcikova L

1. Chem.Pap.-Ch., 44: 441 (1990)

2. Adamcikova L, Schreiber I

2. Chem.Papers, 44/4: 441-450 (1990)

3. Györgyi L, Turányi T, Field R J

3. J.Phys.Chem., 94: 7162 (1990)

54 4. Russo T

4. J.Phys.Chem., 94: 4120 (1990)

5. Sevcik P, Hlavacova J

5. Chem.Papers, 44/4: 451-466 (1990)

6. Sevcik P, Guranova O

6. Chem.Papers, 44/4: 467-475 (1990)

7. Tikhonova L P

7. React.Kinet.Cat.Lett., 42/2: 367-373 (1990)

8. Zhang Y X, Field R J

8. J.Phys.Chem., 94: 7154 (1990)

9. Adamcikova L

9. J.Chem.Soc.Far.T., 87: 3821 (1991)

10. Buhse T, Thiemann W

10. Z.Naturfor., 46B: 1406 (1991)

11. Citterio A  
J.Org.Chem., 56: 5328 (1991)
12. Györgyi L, Rempe S L, Field R J  
J.Phys.Chem., 95: 3159 (1991)
13. Györgyi L, Field R J  
J.Phys.Chem., 95: 6594 (1991)
14. Hlavacova J, Sevcik P  
Chem.P.Lett., 182: 588 (1991)
15. Kazakov VP, Karavayev AD, Vakhidova SR  
REACT KINET CATAL L, 45: (2) 199-205 (1991)
16. Rastogi R P  
Chem.P.Lett., 178: 171 (1991)
17. Ringland J  
J.Chem.Phys., 95: 555 (1991)
18. Roberts J, Stuk L, McCormick W D  
J.Phys.Chem., 95: 3165 (1991)
19. Hlavacova J, Adamcikova L, Sevcik P  
Chem.Listy, 86: 796-806 (1992)
20. Misra G P  
Chem.Phys.Lett., 191: 435 (1992)
21. Noskov O V, Karavaev A D, Spivak S I, Kazakov V P  
Kinet.Catal., 33: 567-574 (1992)
22. Pojman J A, Leard D C, West W  
J.Am.Chem.Soc., 114: 8298-8299 (1992)
23. Schmidt V M, Vielstich W  
Ber.Bun.Ges., 96: 534-537 (1992)
24. Chou Y C, Lin H P, Sun S S, Jwo J J  
J.Phys.Chem., 97: 8450-8457 (1993)
25. Strizhak P E, Diedenis O Z  
TEOR EKSP K, 29: 186-190 (1993)
26. Strizhak P E, Diedenis O Z  
TEOR EKSP K, 29: 418-423 (1993)
27. Turányi T, Györgyi L, Field R J  
J.Phys.Chem., 97: 1931-1941 (1993)
28. Noskov O V, Karavaev A D, Kazakov V P, Spivak S I  
Mendeleev C, 3: 82-85 (1994)
29. Ringland J  
Europh Lett., 26: 637-638 (1994)
30. Sevcik P, Snircova M, Hlavacova J  
REACT KINET CATAL L, 52: (1) 161-168 (1994)
31. Tracqui P  
ACT BIOTH, 42: 147-166 (1994)
32. Zhabotin A M, Györgyi L, Dolnik M, Epstein I R  
J. Phys Chem., 98: (33) 7981-7990 (1994)
33. Neumann B, Muller SC, Hauser Mjb, Steinbock O, Simoyi RH, Dalal NS  
J AMER CHEM SOC, 117: (23) 6372-6373 (1995)
34. Epstein IR, Showalter K  
J PHYS CHEM, 100: (31) 13132-13147 (1996)
35. Rastogi RP, Khare R, Misra GP, Srivastava S  
INDIAN J CHEM SECT A, 36: (1) 19-30 (1997)
36. Epstein I R, Pojman J A  
AN INTRODUCTION TO NONLINEAR CHEMICAL DYNAMICS  
New York: Oxford University Press, 1998.

37. Misra GP, Washington RP, Pojman JA  
J PHYS CHEM A, 102: (3) 612-619 (1998)
38. Steinbock O, Muller SC  
J PHYS CHEM A, 102: (32) 6485-6490 (1998)
39. Vukojevic VB, Pejic ND, Stanisavljev DR, Anic SR, Kolaranic LZ  
ANALYST, 124: (2) 147-152 (1999)
40. Washington RP, West WW, Misra GP, Pojman JA  
J AMER CHEM SOC, 121: (32) 7373-7380 (1999)
41. Amemiya T, Ohmori T, Yamaguchi T  
J PHYS CHEM A, 104: (2) 336-344 (2000)
- Szalai I, Oslonovitch J, Forsterling HD
- \* 42. Oscillations in the bromomalonic acid/bromate system catalyzed by [Ru(phen)(3)](2+)  
JOURNAL OF PHYSICAL CHEMISTRY A, 104: 1495-1498 (2000)
43. Vanag VK, Zhabotinsky AM, Epstein IR  
J PHYS CHEM A, 104: (35) 8207-8215 (2000)
44. Li HX, Wang Q  
BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN, 74: (10) 1817-1821 (2001)
45. Rustici M, Lombardo R, Mangone M, et al  
FARADAY DISCUSS, 120: 39-51 (2001)
46. Li HX, Wang Q, Zhou HN  
ACTA CHIM SINICA, 60: 246-250 (2002)
47. Li HX, Xu YP, Wang MH  
INT J CHEM KINET, 34: (7) 405-410 (2002)
48. Rastogi RP, Husain MM, Chan P, et al  
CHEM PHYS LETT, 353: (1-2) 40-48 (2002)
49. Taylor AF  
PROG REACT KINET MEC, 27: (4) 247-325 (2002)
- \*50. Pelle K, Wittmann M, Noszticzius Z, et al.  
[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003
51. Kumli PI, Burger M, Hauser MJB, et al.  
[Oscillations in the Belousov-Zhabotinsky reaction with sorbitol in the presence of bromine](#)  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS 5 (24): 5454-5458 DEC 15 2003
- \*52. Pelle K, Wittmann M, Lovrics K, et al.  
[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO2, and acidic BrO3- with oxalic acid](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004
- Farkas H, Noszticzius Z, Saage C R, Schelly Z A  
Two-dimensional explodators 2. Global analysis of the Lotka-Volterra-Brusselator (LVB) model  
ACTA PHYS HUNG 66: 203-220 (1989)
- 55 IF: 0.184  
Független idéző: 1
1. Simon P L  
J.Math.Chem., 9: 307-322 (1992)
- Bódiss J, Oláh K, Wittmann M, Noszticzius Z  
CO-evolution in BZ-related Systems  
In: International Conference on Dynamics of Exotic Phenomena in Chemistry, Hajdúszoboszló, Preprints,  
56 1989. pp. 253-254  
Független idéző: 1
1. Györgyi L, Turányi T, Field R J  
J.Phys.Chem., 94: 7162 (1990)



Tam W Y, Horsthemke W, Noszticzius Z, Swinney H L  
Sustained spiral waves in a continuously fed unstirred chemical reactor  
J CHEM PHYS 88: 3395-3396 (1988)

IF: 3.588

Független idéző: 66

1. Dewel G, Borckmans P  
PHYS LETT A, 138: (4-5) 189-192 (1989)
2. Lobban L, Luss D  
J PHYS CHEM-US, 93: (17) 6530-6533 (1989)
3. Maselko J, Reckley J S, Showalter K  
J.Phys.Chem., 93: 2774-2780 (1989)
4. Meron E  
PHYS REV LETT, 63: (6) 684-687 (1989)
5. Ouyang Q, Boissonade J  
PHYS LETT A, 134: (5) 282-286 (1989)
6. Arneodo A, Elezgaray J  
Phys.Lett.A., 143: 25 (1990)
7. Castets V Dulos E Boissonade J Dekepper P  
Phys.Rev.L., 64: 2953 (1990)
8. Dekepper P, Ouyang Q, Boissonade J, Roux J C  
React.Kinet.Cat.Lett., 42/2: 275-288 (1990)
9. Kessler D A  
Europh.Lett., 12: 465 (1990)
10. Larter R  
Chem.Rev., 90: 355 (1990)
11. Menzinger M  
J.Phys.Chem., 94: 4510 (1990)
12. Pacault A, Hanusse P, Vidal C, Dekepper P, Boissonade J, Dulos E  
J.Chim.Phys., 87: 1347 (1990)
13. Plesser T  
J.Phys.Chem., 94: 7501 (1990)
14. Arneodo A  
Physica D, 49: 141 (1991)
15. Das I, Pushkarn A, Bhattacharaya A  
J.Phys.Chem., 95: 3866 (1991)
16. Dekepper P, Castets V, Dulos E, Boissonade J  
Physica D, 49: 161 (1991)
17. Elezgaray J  
J.Chem.Phys., 95: 323 (1991)
18. Jahnke W  
J.Chem.Educ., 68: 320 (1991)
19. Kapral R  
Phys.Rev.L., 66: 2539 (1991)
20. Kessler D A  
Physica D, 49: 90 (1991)
21. Mikhailov A S  
Physica D, 52: 379 (1991)
22. Pelce P  
Physica D, 49: 353 (1991)
23. Winfree A T  
Physica D, 49: 125 (1991)
24. Wu X G  
J.Chem.Phys., 94: 1411 (1991)

25. Agladze K, Dulos E, Dekepper P  
J. Phys. Chem., 96: 2400-2403 (1992)
26. Dulos E, Boissonade J, Dekepper P  
Phys. A, 188: 120-131 (1992)
27. Kapral R  
J. Chem. Phys., 96: 2762 (1992)
28. Li R S, Wu X M  
J. Chem. Phys., 96: 2745 (1992)
29. Nagy Ungvárai Zs, Ungvárai J, Müller S C, Hess B  
J. Chem. Phys., 97: 1004-1009 (1992)
30. Scott S K, Showalter K  
J. Phys. Chem., 96: 8702-8711 (1992)
31. Sidelnikov D I, Gritsenk O V, Simonova A P, Rambidi N G, Polezhae A A, Chernavs D S  
Biol. Cybern., 68: 53-62 (1992)
32. Vansaarloos W, Hohenber P C  
Phys. D, 56: 303-367 (1992)
33. Arneodo A, Argoul F, Elezgarra J, Richetti P  
Phys. D, 62: 134-169 (1993)
34. Cross M C, Hohenber P C  
Rev. M. Phys., 65: 851-1122 (1993)
35. Szili L, Tóth J  
Phys. Rev. E., 48: 183-186 (1993)
36. Xi H W, Gunton J D, Vinals J  
Phys. Rev. E., 47: 2987-2990 (1993)
37. Dekepper P, Perraud JJ, Rudovics B et al  
INT J BIFURCAT CHAOS, 4: (5) 1215-1231 (1994)
38. Pojman J A  
J. Chem Educ., 71: 84-90 (1994)
39. Pota Gy, Stedman G  
ACH-Model, 131: 229-268 (1994)
40. Zhabotin A M, Györgyi L, Dolnik M, Epstein I R  
J. Phys. Chem, 98: 7981-7990 (1994)
41. Kapral R  
PHYSICA D, 86: (1-2) 149-157 (1995)
42. Maselko J  
ACH-MODELS CHEMISTRY, 132: (3) 359-366 (1995)
43. Boon JP, Dab D, Kapral R, Lawniczak A  
PHYS REP-REV SECT PHYS LETT, 273: (2) 55-147 (1996)
45. Johnson BR, Scott SK  
CHEM SOC REV, 25: (4) 265 (1996)
46. Lioubashevski O, Arbell H, Fineberg J  
PHYS REV LETT, 76: (21) 3959-3962 (1996)
47. Ruizvillarreal M, Gomezgesteira M, Souto C, Munuzuri, AP, Perezvillar V  
PHYS REV E, 54: (3) 2999-3002 (1996)
48. Belmonte AL, Qi OY, Flesselles JM  
J PHYS II, 7: (10) 1425-1468 (1997)
49. Ruizvillarreal M, Gomezgesteira M, Perezvillar V  
PHYS REV LETT, 78: (5) 779-782 (1997)
50. Szili L, Toth J  
J MATH CHEM, 22: (1) 39-53 (1997)
51. Blanchedeau P, Boissonade J  
PHYS REV LETT, 81: (22) 5007-5010 (1998)

52. Davies PW, Blanchedeau P, Dulos E, Dekepper P  
J PHYS CHEM A, 102: (43) 8236-8244 (1998)
53. Epstein I R, Pojman J A  
AN INTRODUCTION TO NONLINEAR CHEMICAL DYNAMICS  
New York: Oxford University Press, 1998.
54. Orban M, Kurincsoergei K, Zhabotinsky AM, Epstein IR  
J AMER CHEM SOC, 120: (6) 1146-1150 (1998)
55. Bachir M, Borckmans P, Dewel G  
PHYS REV E, 59: 6223-6226 (1999)
56. Miyakawa K, Sakamoto F, Yoshida R, Kokufuta E, Yamaguchi T  
PHYS REV E, 62: (1) 793-798 (2000)
57. Blanchedeau P, Boissonade J, De Kepper P  
[Theoretical and experimental studies of spatial bistability in the chlorine-dioxide-iodide reaction](#)  
PHYSICA D-NONLINEAR PHENOMENA 147 (3-4): 283-299 DEC 15 2000
58. Boissonade J, Dulos E, Gauffre F, et al  
FARADAY DISCUSS, 120: 353-361 (2001)
59. Das I, Bajpai A  
J SCI IND RES INDIA, 60: (1) 10-22 (2001)
60. Kawczynski AL, Legawiec B  
[Coexistence of large amplitude stationary structures in a model of reaction-diffusion system](#)  
PHYSICAL REVIEW E 63 (2): Art. No. 021405 Part 1 FEB 2001
61. Henda R, Alhumaizi K  
MATH COMPUT MODEL, 36: (11-13) 1361-1373 (2002)
62. Jakab E, Horvath D, Toth A  
PHYS CHEM CHEM PHYS, 4: (8) 1307-1309 (2002)
63. Kirner T, Steen D, McCaskill JS, et al  
J PHYS CHEM B, 106: (17) 4525-4532 (2002)
64. Luss D, Marwaha B  
CHAOS, 12: (1) 172-181 (2002)
65. Pal SC, Banerjee RS  
J INDIAN CHEM SOC, 79: (5) 393-408 (2002)
66. Boissonade J  
PHYS REV LETT, 90: (18) (2003)
67. Sagues F, Epstein IR  
ALTON T, 7: 1201-1217 (2003)
68. Taylor A  
[Chemical patterns in simple flow systems](#)  
ADVANCES IN COMPLEX SYSTEMS 6 (1): 155-162 MAR 2003
69. Lesmes F, Hochberg D, Moran F, et al.  
[Noise-controlled self-replicating patterns](#)  
PHYSICAL REVIEW LETTERS 91 (23): Art. No. 238301 DEC 5 2003
- \*70. Horsthemke W, Moore PK  
[Turing instability in inhomogeneous arrays of diffusively coupled reactors](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 108 (12): 2225-2231 MAR 25 2004
71. Strier DE, Boissonade J  
[Spatial bistability and excitability in the chlorite-tetrathionate reaction in cylindrical and conical geometries](#)  
PHYSICAL REVIEW E 70 (1): Art. No. 016210 Part 2 JUL 2004

72. Roussel CJ, Roussel MR

[Reaction-diffusion models of development with state-dependent chemical diffusion coefficients](#)

PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY 86 (1): 113-160 SEP 2004

Swinney H L, Horsthemke W, McCormick W D, Noszticzius Z, Tam W J

Temporal and spatial patterns in complex systems

In: Kelso J A S, Mandell A J, Shlesinger M F (ed.) Dynamic Patterns in Complex Systems, Singapore: z\$,

58 1988. pp. 112-120

Független idéző: 1

1. Li HX, Wang Q

1. BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN, 74: (10) 1817-1821 (2001)

Noszticzius Z, McCormick WD

ESTIMATION OF THE RATE-CONSTANT OF THE  $AG+ BR \rightarrow AGR$  REACTION - ON THE POSSIBILITY OF NON-BROMIDE-CONTROLLED OSCILLATIONS IN THE BELOUSOV-ZHABOTINSKY REACTION

J PHYS CHEM 92: 374-376 (1988)

IF: 3.139

Független idéző: 19 Függo idéző: 2 Összesen: 21

1. Baier G, Urban P, Wegmann K

Z. Naturforsch., 43A: 987-994 (1988)

Forsterling HD, Schreiber H

2. REACTION OF BROMOUS ACID WITH BROMIDE IN THE PRESENCE OF SILVER IONS  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 43: 956-960 (1988)

3. Kshirsagar G, Field R J, Györgyi L

J. Phys. Chem., 92: 2472 (1988)

Ruoff P, Varga M, Koros E

4. HOW BROMATE OSCILLATORS ARE CONTROLLED  
ACCOUNTS OF CHEMICAL RESEARCH, 21: 326-332 (1988)

Dolnik M, Finkeova J, Schreiber I, Marek M

5. DYNAMICS OF FORCED EXCITABLE AND OSCILLATORY CHEMICAL-REACTION SYSTEMS

JOURNAL OF PHYSICAL CHEMISTRY, 93: 2764-2774 (1989)

59 Forsterling HD, Noszticzius Z

\* 6. AN ADDITIONAL NEGATIVE FEEDBACK LOOP IN THE CLASSICAL BELOUSOV-ZHABOTINSKY REACTION - MALONYL RADICAL AS A 2ND CONTROL INTERMEDIATE  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2740-2748 (1989)

Hayes D, Schmidt KH, Meisel D

7. GROWTH MECHANISMS OF SILVER-HALIDE CLUSTERS FROM THE MOLECULE TO THE COLLOIDAL PARTICLE  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 6100-6109 (1989)

Noyes RM, Field RJ, Forsterling HD, Koros E, Ruoff P

8. CONTROVERSIAL INTERPRETATIONS OF  $AG+$  PERTURBATION OF THE BELOUSOV-ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 270-274 (1989)

Rastogi RP, Mani K

9. ANOMALOUS BEHAVIOR OF BELOUSOV-ZHABOTINSKII OSCILLATORS IN THE PRESENCE OF  $AG+$   
CHEMICAL PHYSICS LETTERS, 164: 545-548 (1989)

Ruoff P, Vestvik J

10. POTENTIOMETRIC AND SPECTROPHOTOMETRIC STUDIES OF THE SILVER BROMIDE REACTION IN 1-M SULFURIC-ACID AND ITS RELEVANCE TO SILVER ION PERTURBED BROMATE-DRIVEN OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 7798-7801 (1989)

11. Gyorgyi L, Turanyi T, Field RJ

MECHANISTIC DETAILS OF THE OSCILLATORY BELOUSOV-ZHABOTINSKII REACTION

- JOURNAL OF PHYSICAL CHEMISTRY, 94: 7162-7170 (1990)  
 Muranyi S, Forsterling HD  
 CHLORIDE INDUCED OSCILLATIONS IN THE CLASSICAL BELOUSOV- ZHABOTINSKY
12. REACTION EXPLAINED BY THE RADICALATOR-MODEL  
 ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 45: 135-144 (1990)  
 Russo T
13. MODELING OF A SILVER ION PERTURBED BELOUSOV-ZHABOTINSKII OSCILLATOR  
 JOURNAL OF PHYSICAL CHEMISTRY, 94: 4120-4122 (1990)
14. Györgyi L, Rempe S L, Field R J  
 J. Phys. Chem., 95: 3159 (1991)
15. Györgyi L  
 J. Phys. Chem., 95: 6594 (1991)  
 Rastogi RP, Mani K, Misra GP
16. BELOUSOV-ZHABOTINSKII REACTION SYSTEMS IN THE PRESENCE OF AG+  
 CHEMICAL PHYSICS LETTERS, 178: 171-176 (1991)  
 Muranyi S, Noszticzius Z  
 ON THE PROBLEM OF BROMIDE CONTROL IN A TL3+-PERTURBED BELOUSOV-
- \* 17. ZHABOTINSKY OSCILLATOR  
 ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 47: 605-613 (1992)  
 Vukojevic V, Sorensen PG, Hynne F
18. QUENCHING ANALYSIS OF THE BRIGGS-RAUSCHER REACTION  
 JOURNAL OF PHYSICAL CHEMISTRY, 97: 4091-4100 (1993)  
 Sun SS, Lin HP, Chen YF, Jwo JJ
19. THE MN(II)-CATALYZED BELOUSOV-ZHABOTINSKY REACTION WITH METHYL-  
 MALONIC, ETHYL-MALONIC OR BUTYL-MALONIC ACID  
 JOURNAL OF THE CHINESE CHEMICAL SOCIETY, 41: 651-658 (1994)  
 Kuge K, Kaneko J, Mii N
20. Preparation of silver bromide emulsion grains by Belousov- Zhabotinsky reaction on continuous  
 addition of silver nitrate solution  
 JOURNAL OF IMAGING SCIENCE AND TECHNOLOGY, 41: 594-599 (1997)  
 Treindl L, Hemmingsen T, Ruoff P
21. Belousov-Zhabotinsky oscillations during the chemical or electrochemical generation of Ag+ ions  
 CHEMICAL PHYSICS LETTERS, 269: 263-267 (1997)
- Eszterle M, Noszticzius Z, Schelly ZA  
 THE PHASE RESPONSE OF THE EXPLODATOR  
 J CHEM SOC FAR T II 84: 575-580 (1988)  
 IF: 1.537  
 Független idéző: 1 Függo idéző: 1 Összesen: 2
- 60 1. Hlavacova J, Adamcikova L, Sevcik P  
 Chem. Listy, 86: 796-806 (1992)  
 Wu XM, Schelly ZA, Vastano JA
- \* 2. NONLINEAR DYNAMICAL BEHAVIOR OF THE LIMITED EXPLODATOR IN A CSTR UNDER  
 SQUARE-WAVE PERTURBATION OF THE FLOW-RATE  
 PHYSICA D, 74: 74-89 (1994)
- 1987  
 Qi OY, Tam WY, Dekepper P, McCormick WD, Noszticzius Z, Swinney HL  
 BUBBLE-FREE BELOUSOV-ZHABOTINSKII-TYPE REACTIONS  
 J PHYS CHEM 91: 2181-2184 (1987)  
 61 IF: 3.045  
 Független idéző: 21
1. Ruoff P, Hansen E W, Noyes R M  
 J.Phys.Chem., 91: 3393 (1987)

2. Kuhnert L, Pohlmann L, Krug H J  
Physica D., 29: 416-420 (1988)
3. Rodriguez J, Vidal C  
J.Phys.Chem., 93: 2737-2739 (1989)
4. Sevcik P, Adamcikova L  
J.Chem.Phys., 91: 1012-1014 (1989)
5. Adamcikova L  
Z.Phys.Ch.L., 271: 781 (1990)
6. Noyes R M  
J.Phys.Chem., 94: 4404 (1990)
7. Pacault V, Hanusse P, Vidal C, Dekepper P, Boissonade J, Dulos E  
J.Chim.Phys., 87: 1347 (1990)
8. Rastogi R P, Misra G P  
I. J.Chem.A., 29: 941 (1990)
9. Sevcik P, Guranova O  
Chem.Papers, 44/4: 467-475 (1990)
10. Zhang Y X, Field R J  
J.Phys.Chem., 94: 7154 (1990)
11. Menzinger M, Tzalmona A, Armstrong R L, Cross A, Lemaire C  
J.Phys.Chem., 96: 4725-4727 (1992)
12. Pojman J A, Dedeaux H, Fortenberry D  
J.Phys.Chem., 96: 7331-7333 (1992)
13. Dechert G, Schneide F W  
J. Phys. Chem., 98: 3927-3929 (1994)
14. Doona C J, Stanbury D M  
J. Phys. Chem., 98: 2630-2634 (1994)
15. Hauser Mjb, Schneide FN  
J. Phys. Chem, 100: 1058-1065 (1994)
16. Kosek J, Sorensen P G, Marek M, Hynne F  
J. Phys Chem., 98: 6128-6135 (1994)
17. Melikhov D P, Vanag V K  
Zh. Fiz. Khim., 68: 1126-1129 (1994)
18. Pojman J A, Craven R, Leard D C  
J. Chem. Educ.: 71-84 (1994)
19. Zeyer K P, Munster A F, Hauser M J B, Schneide F W  
J. Chem. Phys, 101: 5129-5135 (1994)
20. Zeyer K P, Dechert G, Hoffmann W, Blitters R, Schneide F W  
Z. Naturfo A., 49: 953-963 (1994)
21. Kurincsoergei K, Zhabotinsky AM, Orban M, Epstein IR  
J PHYS CHEM, 100: (13) 5393-5397 (1996)

Noszticzus Z, Horsthemke W, McCormick W D, Swinney H L  
Sustained chemical waves in an annular gel reactor: chemical pinwheel  
NATURE 329: 619-620 (1987)

IF: 14.999

Független idézo: 119

- 62 1. Noyes R M  
Nature, 329: 581 (1987)
2. Vidal C  
J. Chim. Phys., 84: 1279 (1987)
3. Baier G, Urban P, Wegmann K  
Z. Naturforsch., 43A: 987-994 (1988)
4. Boissonade J  
J. Physique, 49: 541-546 (1988)



5. Elphick C, Meron E, Spiegel E A  
Phys. Rev. L., 61: 496-499 (1988)
6. Lev O, Scheintuc M, Pismen L M, Yarnitzk C  
Nature, 336: 458-459 (1988)
7. Oshea P S  
Experientia, 44: 684-694 (1988)
8. Ross J, Müller S C, Vidal C  
Science, 240: 460 (1988)
9. Aon M, Thomas D, Hergvagu J F  
P. Nas. US, 86: 516-519 (1989)
10. Dewel G, Brockmann P  
Phys. Lett.A., 138: 189-192 (1989)
11. Epstein I R  
J. Chem. Educ., 66: 191-195 (1989)
12. Maselko J, Reckley J S, Schowalter K  
J. Phys. Chem., 93: 2774-2780 (1989)
13. Nicolis G, Altares V  
J. Phys. Chem., 93: 2861-2864 (1989)
14. Ouyang Q, Boissonade J, Roux J C, Dekepper P  
Phys. Letter A, 134: 282-286 (1989)
15. Arneodo A, Elezgaray J  
Phys. Lett. A, 143: 25 (1990)
16. Barkley D, Kness M, Tuckerman L S  
Phys. Rev. A, 42: 2489 (1990)
17. Boissonade J, Boukalouch M, Dekepper P  
In: Spatial inhomogeneities and transient behaviour in chemical kinetics (szerk.) Gray P., Nicolis G., Baras F, Borckmans P., Scott S.K., Manchester Unive, 1990. 433-445
18. Castets V, Dulos E, Boissonade J, Dekepper P  
Phys. Rev. L., 64: 2953 (1990)
19. Dekepper P, Boissonade J, Epstein I R  
J. Phys. Chem., 94: 6525 (1990)
20. Dekepper P, Ouyang Q, Boissonade J, Roux J C  
React. Kinet. Cat. Lett., 42/2: 275-288 (1990)
21. Elphick C, Meron E, Spiegel E A  
Siam J. A. Ma., 50: 490 (1990)
22. Krug H J, Pohlmann L, Khunert L  
J. Phys. Chem., 94: 4862 (1990)
23. Kustin K  
Chemtech. U., 20: 106 (1990)
24. Lengyel I, Rábai G, Epstein I R  
J. Am. Chem. S., 112: 9104 (1990)
25. Menzinger M, Dutt A K  
J. Phys. Chem., 94: 4510 (1990)
26. Pacault A, Hanusse P, Vidal C, Dekepper P, Boissonade J, Dulos E  
J. Chim. Phys., 87: 1347 (1990)
27. Pertsov A M, Aliev R R, Krinsky V I  
Nature, 345: 419 (1990)
28. Rotermun H H, Engel W, Kordesch M, Ertl D  
Nature, 343: 355 (1990)
29. Arneodo A, Elezgaray J, Pearson J, Russo T  
Physica D., 49: 141 (1991)
30. Das I, Pushkarn A, Bhattacharaya A  
J. Phys. Chem., 95: 3866 (1991)

31. Dekepper P, Castets V, Dulos E, Boissonade J  
Physica D, 49: 161 (1991)
32. Ringland J  
J. Chem. Phys., 95: 555 (1991)
33. Yamaguchi T, Müller S C  
Physica D., 49: 40 (1991)
34. Yamaguchi T, Kuhnert L, Nagy Ungvárai Z  
J. Phys. Chem., 95: 5831 (1991)
35. Zhabotinskii A M, Müller S C, Hess B  
Physica D., 49: 47 (1991)
36. Zrínyi M, Gálfi L, Smidroczyk É, Rácz Z, Horkai F  
J. Phys. Chem., 95: 1618 (1991)
37. Agladze K I, Dekepper P  
J. Phys. Chem., 96: 5239 (1992)
38. Agladze K I, Dulos E, Dekepper P  
J. Phys. Chem., 96: 2400 (1992)
39. Dewit A, Dewel G, Borckmans P, Walgraef P  
Phys.D, 61: 289-296 (1992)
40. Kness M, Tuckerman L S, Barkley D  
Phys.Rev.A, 46: 5054-5062 (1992)
41. Li R S, Wu X M  
J. Chem Phys., 96: 2745 (1992)
42. Meron E  
Phys.Report, 218: 1-66 (1992)
43. Arneodo A, Argoul F, Elezgará J, Richetti P  
Phys.D, 62: 134-169 (1993)
44. Cross M C, Hohenber P C  
Rev.M.Phys., 65: 851-1122 (1993)
45. Graham M D, Lane S L, Luss D  
J.Phys.Chem., 97: 7564-7571 (1993)
46. Laplante J P  
Phys.D, 65: 199-205 (1993)
47. Neumann B, Nagy Ungvárai Zs, Müller S C  
Chem.P.Lett., 211: 36-40 (1993)
48. Perraud J J, Dewit A, Dulos E, Dekepper P, Dewel G, Borckmans P  
Phys.Rev.L., 71: 1272-1275 (1993)
49. Szili L, Tóth J  
Phys.Rev.E., 48: 183-186 (1993)
50. Boissonade J  
Nature, 369: 188-189 (1994)
51. Graham M D, Kevrekid I G, Asakura K, Lauterba J, Krischer K, Rotermun H H  
ERTL G Science, 264: 80-82 (1994)
52. Gunaratnegh Quang Q, Swinney H L  
Phys Rev. E., 50: 2802-2820 (1994)
53. Jensen O  
Phys Rev. E., 50: 736 (1994)
54. Pota G, Stedman G  
ACH model C, 131: 229-268 (1994)
55. Zhabotin A M, Györgyi L, Dolnik M, Epstein I R  
J. Phys Chem., 98: 7981-7990 (1994)
56. Adamcikova L, Holba V, Parkaniova V  
COLLECT CZECH CHEM COMMUN, 60: (4) 545-552 (1995)
57. Amemiya T, Nakaiwa M, Ohmori T, Yamaguchi T

- PHYSICA D, 84: (1-2) 103-111 (1995)
58. Dewel G, Borckmans P, Dewit A, Rudovics B, Perraud JJ, Dulos E, Boisson Dekepper P  
PHYSICA A, 21: (1-2) 181-198 (1995)
59. Giannos SA, Dinh SM, Berner B  
MACROMOL RAPID COMMUN, 16: (7) 527-531 (1995)
60. Graham MD, Bar M, Kevrekidis IG, Asakura K, Lauterbach J, Rotermund HH, Ertl G  
PHYS REV E, 52: (1) 76-93 (1995)
61. Horvath D, Showalter K  
J CHEM PHYS, 102: (6) 2471-2478 (1995)
62. Koros E  
ACH-MODELS CHEMISTRY, 132: (1-2) 265-280 (1995)
63. Lee KJ, Swinney HL  
PHYS REV E, 51: (3) 1899-1915 (1995)
64. Maselko J  
ACH-MODELS CHEMISTRY, 132: (2) 359-366 (1995)
65. Perezmunuzuri V, Munuzuri AP, Gomezgesteira M, Perezvillar V, Pivka L, Chua L O  
353: (1701) 101-113 (1995)
66. Watzl M, Munster AF  
CHEM PHYS LETT, 242: (3) 273-278 (1995)
67. Dulos E, Boissonade J, Perraud JJ, Rudovics B, Dekepper P  
ACTA BIOTHEOR, 44: (3-4) 249-261 (1996)
68. Izus GG Ramirez O Deza RR Wio HS  
J CHEM PHYS, 105: (23) 10424-10428 (1996)
69. Jensen O, Mosekilde E, Borckmans P, Dewel G  
PHYS SCR, 53: (2) 243-251 (1996)
70. Johnson BR, Scott SK  
CHEM SOC REV, 25: (4) 265 (1996)
71. Nomura T, Glass L  
PHYS REV E, 53: (6) 6353-6360 (1996)
72. Otterstedt RD, Plath PJ, Jaeger NI, Sayer JC, Hudson JL  
CHEM ENG SCI, 51: (10) 1747-1756 (1996)
73. Otterstedt RD, Plath PJ, Jaeger NI, Hudson JL  
J CHEM SOC FARADAY TRANS, 92: (16) 2933-2939 (1996)
74. Ouyang Q, Flesselles JM  
NATURE, 379: (6561) 143-146 (1996)
75. Sager BM  
GENE DEVELOP, 10: (18) 2237-2250 (1996)
76. Toth A, Lagzi I, Horvath D  
J PHYS CHEM, 100: (36) 14837-14839 (1996)
77. Agladze K, Krinsky V  
J PHYS CHEM A, 101: (15) 2739-2742 (1997)
78. Belmonte AL, Qi OY, Flesselles JM  
J PHYS II, 7: (10) 1425-1468 (1997)
79. Horvath D, Toth A  
J CHEM SOC FARADAY TRANS, 93: (24) 4301-4303 (1997)
80. Johnson BR, Scott SK, Taylor AF  
J CHEM SOC FARADAY TRANS, 93: (20) 3733-3736 (1997)
81. Matias MA, Perezmunuzuri V, Lorenzo MN, Marino IP, Perezvillar V  
PHYS REV LETT, 78: (2) 219-222 (1997)
82. Sendinanadal I, Gomezgesteira M, Perezmunuzuri V, Perezvillar V, Armero J, Ramirezpiscina L  
Casademunt J  
PHYS REV E, 56: (6) 6298-6301 (1997)
83. Sieniutycz S, Farkas H

- CHEM ENG SCI, 52: (17) 2927-2945 (1997)
84. Somani M, Liauw MA, Luss D  
CHEM ENG SCI, 52: (14) 2331-2341 (1997)
85. Szili L, Toth J  
J MATH CHEM, 22: (1) 39-53 (1997)
86. Davies PW, Blanchedeau P, Dulos E, Dekepper P  
J PHYS CHEM A, 102: (43) 8236-8244 (1998)
- Epstein I R, Pojman J A
87. AN INTRODUCTION TO NONLINEAR CHEMICAL DYNAMICS.  
New York: Oxford University Press, 1998.
88. Horvath D, Kiricsi M, Toth A  
J CHEM SOC FARADAY TRANS, 94: (9) 1217-1219 (1998)
89. Kadar S, Wang JC, Showalter K  
NATURE, 391: (6669) 770-772 (1998)
90. Maselko J  
J CHEM SOC FARADAY TRANS, 94: (16) 2343-2345 (1998)
91. Ohmori T, Amemiya T, Kawahara JI, Kamiya K, Yamaguchi T, Kawamura M  
J CHEM ENG JPN, 31: (2) 302-305 (1998)
92. Pota G  
ACH MODELS CHEMISTRY, 135: (5) 677-748 (1998)
- Yamaguchi T, Kusumi T, Aliev RR, Amemiya T, Ohmori T, Nakaiwa M, Urabe K, Kinugasa S
93. Hashimoto H, Yoshikawa  
ACH MODELS CHEMISTRY, 135: (3) 401-408 (1998)
94. Dewit A  
ADVAN CHEM PHYSICS, 109: 435-513 (1999)
95. Sieniutycz S  
PHYS REV E, 60: (2) 1520-1534 (1999)
96. Vance W, Ross J  
J PHYS CHEM A, 103: (10) 1347-1356 (1999)
97. Vonhaefen B, Izus GG  
J CHEM PHYS, 110: (1) 126-130 (1999)
98. Wang JC, Kadar S, Jung P, Showalter K  
PHYS REV LETT, 82: (4) 855-858 (1999)
99. Adamcikova L, Hupkova M, Sevcik P  
COLLECT CZECH CHEM COMMUN, 65: (9) 1394-1402 (2000)
100. Birzu A, Green BJ, Otterstedt RD, et al  
PHYS CHEM CHEM PHYS, 2: (12) 2715-2724 (2000)
101. Hartmann N, Kevrekidis Y, Imbihl R  
J CHEM PHYS, 112: (15) 6795-6803 (2000)
102. Miyakawa K, Sakamoto F, Yoshida R, Kokufuta E, Yamaguchi T  
PHYS REV E, 62: (1) 793-798 (2000)
103. Nagai Y, Gonzalez H, Shrier A, Glass L  
PHYS REV LETT, 84: (18) 4248-4251 (2000)
104. Petty HR, Worth RG, Kindzelski  
ALPHYS REV LETT, 84: (12) 2754-2757 (2000)
105. Sieniutycz S  
PHYS REP REV SECT PHYS LETT, 326: (4) 166-258 (2000)
106. Hildebrand M, Skodt H, Showalter K  
PHYSICAL REVIEW LETTERS, 8708: (8) 8303 (2001)
107. Horvath J, Nagyungvarai Z, Muller SC  
PHYSICAL CHEMIST CHEMICAL PHYSICS, 3: (2) 218-223 (2001)
108. Kawczynski AL, Legawiec B  
PHYS REV E, 63: (2) 21405 (2001)

109. Motoike IN, Yoshikawa K, Iguchi Y, Nakata S  
PHYSICAL REVIEW E, 6303: (3) 6220 (2001)
110. Simon PL  
SIAM JOURNAL ON APPLIED MATHEMATICS, 61: (5) 1618-1627 (2001)
111. Suzuki K, Yoshinobu T, Iwasaki H  
CHEM PHYS LETT, 349: (5-6) 437-441 (2001)
112. Fuentes M, Kuperman MN, Boissonade J, et al  
PHYS REV E, 66: (5) 56205 (2002)
113. Glass L, Nagai Y, Hall K, et al  
PHYS REV E, 65: (2) 21908 (2002)
114. Henda R, Alhumaizi K  
MATH COMPUT MODEL, 36: (11-13) 1361-1373 (2002)
115. Jaeger NI, Otterstedt RD, Birzu A, et al  
CHAOS, 12: (1) 231-239 (2002)
116. Sakurai T, Mihaliuk E, Chirila F, et al  
SCIENCE, 296: (5575) 2009-2012 (2002)
117. Sendina Nadal I, de Castro M, Sagues F, et al  
PHYS REV E 66, 66: (1) 16215 (2002)
118. Taylor AF  
PROG REACT KINET MEC, 27: (4) 247-325 (2002)
119. Boissonade J  
PHYS REV LETT, 90: (18) 188302 (2003)
- \*120. Pelle K, Wittmann M, Noszticzius Z, et al.  
[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003
121. Hildebrand M, Cui JX, Mihaliuk E, et al.  
[Synchronization of spatiotemporal patterns in locally coupled excitable media](#)  
PHYSICAL REVIEW E 68 (2): Art. No. 026205 Part 2 AUG 2003
122. Horsthemke W, Moore PK  
[Turing instability in inhomogeneous arrays of diffusively coupled reactors](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 108 (12): 2225-2231 MAR 25 2004
123. Szalai I, De Kepper P  
[Turing patterns, spatial bistability, and front instabilities in a reaction-diffusion system](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5315-5321 JUN 24 2004
124. Strier DE, Dawson SP  
[Role of complexing agents in the appearance of Turing patterns](#)  
PHYSICAL REVIEW E 69 (6): Art. No. 066207 Part 2 JUN 2004
125. Strier DE, Boissonade J  
[Spatial bistability and excitability in the chlorite-tetrathionate reaction in cylindrical and conical geometries](#)  
PHYSICAL REVIEW E 70 (1): Art. No. 016210 Part 2 JUL 2004
- \*126. Ivan K, Wittmann M, Simon PL, et al.  
[Electrolyte diodes and hydrogels: Determination of concentration and pK value of fixed acidic groups in a weakly charged hydrogel](#)  
PHYSICAL REVIEW E 70 (6): Art. No. 061402 Part 1 DEC 2004
- Noszticzius Z, McCormick WD, Swinney HL, Schelly ZA  
PARALLEL AND SERIAL NETWORKS IN THE MECHANISM OF THE OSCILLATING BELOUSOV-ZHABOTINSKY REACTION - THE TANDEM OSCILLATOR  
ACTA POLYTECH SC TS: 57-77 (1987)  
Független idéző: 4 Függo idéző: 2 Összesen: 6
- 63 Barkley D  
1. SLOW MANIFOLDS AND MIXED-MODE OSCILLATIONS IN THE BELOUSOV-ZHABOTINSKII REACTION  
JOURNAL OF CHEMICAL PHYSICS, 89: 5547-5559 (1988)
2. Forsterling HD, Schreiber H

REACTION OF BROMOUS ACID WITH BROMIDE IN THE PRESENCE OF SILVER IONS  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 43: 956-960  
(1988)

Forsterling HD, Noszticzus Z

- \* 3. AN ADDITIONAL NEGATIVE FEEDBACK LOOP IN THE CLASSICAL BELOUSOV-ZHABOTINSKY REACTION - MALONYL RADICAL AS A 2ND CONTROL INTERMEDIATE  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2740-2748 (1989)

Noszticzus Z, McCormick WD, Swinney HL

- \* 4. USE OF BIFURCATION DIAGRAMS AS FINGERPRINTS OF CHEMICAL MECHANISMS  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2796-2800 (1989)

Russo T

5. MODELING OF A SILVER ION PERTURBED BELOUSOV-ZHABOTINSKII OSCILLATOR  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 4120-4122 (1990)

Hlavacova J, Sevcik P

6. A SIMULATION OF THE BELOUSOV-ZHABOTINSKII REACTION WITH OXALIC- ACID WITHOUT BROMINE REMOVAL  
CHEMICAL PHYSICS LETTERS, 182: 588-594 (1991)

Noszticzus Z, McCormick WD, Swinney HL

EFFECT OF TRACE IMPURITIES ON A BIFURCATION STRUCTURE IN THE BELOUSOV-ZHABOTINSKII REACTION AND PREPARATION OF HIGH-PURITY MALONIC-ACID  
J PHYS CHEM 91: 5129-5134 (1987)

IF: 3.045

Független idézo: 45 Függo idézo: 14 Összesen: 59

Argoul F, Arneodo A, Richetti P, Roux JC, Swinney HL

- \* 1. CHEMICAL CHAOS - FROM HINTS TO CONFIRMATION  
ACCOUNTS OF CHEMICAL RESEARCH, 20: 436-442 (1987)

Gyorgyi L, Field RJ

2. APERIODICITY RESULTING FROM EXTERNAL AND INTERNAL 2-CYCLE COUPLING IN THE BELOUSOV-ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 92: 7079-7088 (1988)

Forsterling HD, Noszticzus Z

- \* 3. AN ADDITIONAL NEGATIVE FEEDBACK LOOP IN THE CLASSICAL BELOUSOV-ZHABOTINSKY REACTION - MALONYL RADICAL AS A 2ND CONTROL INTERMEDIATE  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2740-2748 (1989)

Gyorgyi L, Field RJ

- 64 4. APERIODICITY RESULTING FROM 2-CYCLE COUPLING IN THE BELOUSOV-ZHABOTINSKII REACTION .3. ANALYSIS OF A MODEL OF THE EFFECT OF SPATIAL INHOMOGENEITIES AT THE INPUT PORTS OF A CONTINUOUS- FLOW, STIRRED TANK REACTOR  
JOURNAL OF CHEMICAL PHYSICS, 91: 6131-6141 (1989)

Gyorgyi L, Field RJ

5. APERIODICITY RESULTING FROM 2-CYCLE COUPLING IN THE BELOUSOV-ZHABOTINSKII REACTION .2. MODELING OF THE EFFECT OF DEAD SPACES AT THE INPUT PORTS OF A CONTINUOUS-FLOW STIRRED TANK REACTOR  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2865-2867 (1989)

Noszticzus Z, McCormick WD, Swinney HL

- \* 6. USE OF BIFURCATION DIAGRAMS AS FINGERPRINTS OF CHEMICAL MECHANISMS  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2796-2800 (1989)

Sorensen PG, Hynne F

7. AMPLITUDES AND PHASES OF SMALL-AMPLITUDE BELOUSOV-ZHABOTINSKII OSCILLATIONS DERIVED FROM QUENCHING EXPERIMENTS  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 5467-5474 (1989)

Forsterling HD, Muranyi S

8. CONTRIBUTION OF MALONYL RADICAL CONTROL IN THE CLASSICAL BELOUSOV-ZHABOTINSKY REACTION  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 45: 1259-



- 1266 (1990)  
Forsterling HD, Muranyi S, Noszticzius Z
- \* 9. EVIDENCE OF MALONYL RADICAL CONTROLLED OSCILLATIONS IN THE BELOUSOV-ZHABOTINSKY REACTION (MALONIC ACID-BROMATE-CERIUM SYSTEM)  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 2915-2921 (1990)
- Muranyi S, Forsterling HD
10. CHLORIDE INDUCED OSCILLATIONS IN THE CLASSICAL BELOUSOV- ZHABOTINSKY REACTION EXPLAINED BY THE RADICALATOR-MODEL  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 45: 135-144 (1990)
- Stuk L, Roberts J, McCormick WD, Noszticzius Z
- \* 11. FURTHER EVIDENCE FOR RADICAL-CONTROLLED OSCILLATIONS IN THE BELOUSOV-ZHABOTINSKY REACTION - LARGE EFFECTS OF ULTRAVIOLET- LIGHT AND SILVER IONS  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 6734-6737 (1990)
- Tam WY, Swinney HL
- \* 12. SPATIOTEMPORAL PATTERNS IN A ONE-DIMENSIONAL OPEN REACTION DIFFUSION SYSTEM  
PHYSICA D, 46: 10-22 (1990)
- Gyorgyi L, Field RJ
13. SIMPLE-MODELS OF DETERMINISTIC CHAOS IN THE BELOUSOV- ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 6594-6602 (1991)
- Gyorgyi L, Remppe SL, Field RJ
14. A NOVEL MODEL FOR THE SIMULATION OF CHAOS IN LOW-FLOW-RATE CSTR EXPERIMENTS WITH THE BELOUSOV ZHABOTINSKY REACTION - A CHEMICAL MECHANISM FOR 2 FREQUENCY OSCILLATIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 3159-3165 (1991)
- Kreisberg N, McCormick WD, Swinney HL
- \* 15. EXPERIMENTAL DEMONSTRATION OF SUBTLETIES IN SUBHARMONIC INTERMITTENCY  
PHYSICA D, 50: 463-477 (1991)
- McCormick WD, Noszticzius Z, Swinney HL
- \* 16. INTERRUPTED SEPARATRIX EXCITABILITY IN A CHEMICAL-SYSTEM  
JOURNAL OF CHEMICAL PHYSICS, 94: 2159-2167 (1991)
- Noszticzius Z, Bodnar Z, Garamszegi L, Wittmann M
- \* 17. HYDRODYNAMIC TURBULENCE AND DIFFUSION-CONTROLLED REACTIONS - SIMULATION OF THE EFFECT OF STIRRING ON THE OSCILLATING BELOUSOV-ZHABOTINSKY REACTION WITH THE RADICALATOR MODEL  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 6575-6580 (1991)
- Ruoff P, Forsterling HD, Gyorgyi L, Noyes RM
18. BROMOUS ACID PERTURBATIONS IN THE BELOUSOV-ZHABOTINSKY REACTION - EXPERIMENTS AND MODEL-CALCULATIONS OF PHASE RESPONSE CURVES  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 9314-9320 (1991)
- Schneider FW, Munster AF
19. CHEMICAL OSCILLATIONS, CHAOS, AND FLUCTUATIONS IN FLOW REACTORS  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 2130-2138 (1991)
- Skinner GS, Swinney HL
- \* 20. PERIODIC TO QUASI-PERIODIC TRANSITION OF CHEMICAL SPIRAL ROTATION  
PHYSICA D, 48: 1-16 (1991)
- Blittersdorf R, Munster AF, Schneider FW
21. APERIODICITY AND DETERMINISTIC CHAOS IN THE BELOUSOV- ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 5893-5897 (1992)
- \* 22. Gyorgyi L, Field RJ, Noszticzius Z, McCormick WD, Swinney HL  
CONFIRMATION OF HIGH FLOW-RATE CHAOS IN THE BELOUSOV- ZHABOTINSKY

- REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 1228-1233 (1992)  
Noszticzius Z, Qi OY, McCormick WD, Swinney HL
- \* 23. EFFECT OF TURING PATTERN INDICATORS ON CIMA OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 6302-6307 (1992)  
Noszticzius Z, Qi OY, McCormick WD, Swinney HL
- \* 24. LONG-LIVED OSCILLATIONS IN THE CHLORITE IODIDE MALONIC-ACID REACTION IN BATCH  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 114: 4290-4295 (1992)  
Rastogi RP, Misra GP
25. FURTHER TESTS ON THE BROMINE HYDROLYSIS CONTROLLED MODEL AND CL-PERTURBATION OF BROMATE-DRIVEN OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 4426-4432 (1992)  
Doubouya SI, Munster AF, Doona CJ, Schneider FW
26. DETERMINISTIC CHAOS IN SERIALY COUPLED CHEMICAL OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 1025-1031 (1993)  
Lebender D, Schneider FW
27. NEURAL NETS AND THE LOCAL PREDICTOR METHOD USED TO PREDICT THE TIME-SERIES OF CHEMICAL-REACTIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 8764-8769 (1993)  
Petrov V, Gaspar V, Masere J, Showalter K
28. CONTROLLING CHAOS IN THE BELOUSOV-ZHABOTINSKY REACTION  
NATURE, 361: 240-243 (1993)  
Yatsimirskii KB, Strizhak PE, Ivashchenko TS
29. APPLICATION OF CHAOTIC REGIMES OCCURRING IN COMPLEX CHEMICAL-REACTIONS TO ANALYTICAL-CHEMISTRY - DETERMINATION OF PICOGRAM AMOUNTS OF MANGANESE IN AQUEOUS-SOLUTIONS  
JOURNAL OF ANALYTICAL CHEMISTRY, 48: 567-575 (1993)  
Yatsimirskii KB, Strizhak PE, Ivaschenko TS
30. POTENTIAL OF CHAOTIC CHEMICAL-SYSTEMS IN NANOTRACE ANALYSIS BASED ON THE BELOUSOV-ZHABOTINSKII REACTION (BRO<sub>3</sub>- MALONIC-ACID FERROIN) - DETERMINATION OF MANGANESE(II)  
TALANTA, 40: 1227-1232 (1993)  
Zeyer KP, Holz R, Schneider FW
31. CONTINUOUS COUPLING OF CHAOTIC AND PERIODIC STATES OF CHEMICAL OSCILLATORS WITH AND WITHOUT TIME-DELAY  
BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 97: 1112-1119 (1993)  
Dechert G, Schneider FW
32. SHIFTING AND SWITCHING BETWEEN CHEMICAL STEADY-STATES THROUGH ELECTRODE PROCESSES  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 3927-3929 (1994)  
Doona CJ, Stanbury DM
33. ADVENTITIOUS CATALYSIS IN OSCILLATORY REDUCTIONS BY THIOUREA  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 12630-12634 (1994)  
Hauser Mjb, Schneider FW
34. COUPLED CHAOTIC STATES AND APPARENT NOISE IN EXPERIMENT AND MODEL  
JOURNAL OF CHEMICAL PHYSICS, 100: 1058-1065 (1994)  
Kosek J, Sorensen PG, Marek M, Hynne F
35. NORMAL-FORM ANALYSIS OF THE BELOUSOV-ZHABOTINSKY REACTION CLOSE TO A HOPF-BIFURCATION  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 6128-6135 (1994)  
Melikhov DP, Vanag VK
36. ROLE OF IODINE ADSORPTION ON REACTOR WALLS IN PHOTOINDUCED NONEQUILIBRIUM PHASE-TRANSITION IN BRIGGS-RAUSHER REACTION  
ZHURNAL FIZICHESKOI KHIMII, 68: 1126-1129 (1994)

- Zeyer KP, Dechert G, Hohmann W, Blittersdorf R, Schneider FW  
 COUPLED BISTABLE CHEMICAL-SYSTEMS - EXPERIMENTAL REALIZATION OF
37. BOOLEAN FUNCTIONS USING A SIMPLE FEEDFORWARD NET  
 ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 49: 953-963 (1994)
- Zeyer KP, Munster AF, Hauser Mjb, Schneider FW  
 38. PERIODIC, QUASI-PERIODIC, AND CHAOTIC POTENTIALS GENERATED BY  
 ELECTROCHEMICAL CONCENTRATION CELLS - LOCAL AND GLOBAL DYNAMICS  
 JOURNAL OF CHEMICAL PHYSICS, 101: 5126-5135 (1994)
- Dechert G, Lebender D, Schneider FW  
 39. ELECTRICAL PULSES TO DETERMINE CHEMICAL-PHASE RESPONSE CURVES  
 JOURNAL OF PHYSICAL CHEMISTRY, 99: 11432-11435 (1995)
- Forster A, Zeyer KP, Schneider FW  
 40. CHEMICAL RESONANCE AND CHAOTIC RESPONSE INDUCED BY ALTERNATING  
 ELECTRICAL-CURRENT  
 JOURNAL OF PHYSICAL CHEMISTRY, 99: 11889-11895 (1995)
- Melikhov DP, Vanag VK  
 41. Macromixing effects upon photoinduced nonequilibrium phase transition in the Briggs-Rauscher  
 reaction in a batch reactor  
 ZHURNAL FIZICHESKOI KHIMII, 69: 2064-2069 (1995)
- Scheeline A, Kirkor ES, Kovacsboerger AE, Olson DL  
 42. ANALYTICAL-CHEMISTRY OF NONLINEAR-SYSTEMS  
 MIKROCHIMICA ACTA, 118: 1-42 (1995)
- Zeyer KP, Munster AF, Schneider FW  
 43. QUASI-PERIODIC FORCING OF A CHEMICAL-REACTION - EXPERIMENTS AND  
 CALCULATIONS  
 JOURNAL OF PHYSICAL CHEMISTRY, 99: 13173-13180 (1995)
- Doona CJ, Stanbury DM  
 44. Equilibrium and redox kinetics of copper(II)-thiourea complexes  
 INORGANIC CHEMISTRY, 35: 3210-3216 (1996)
- Forster A, Guderian A, Zeyer KP, Dechert G, Schneider FW  
 45. Stochastic resonance and time advance coding in chemical reactions  
 INTERNATIONAL JOURNAL OF NEURAL SYSTEMS, 7: 385-391 (1996)
- Guderian A, Dechert G, Zeyer KP, Schneider FW  
 46. Stochastic resonance in chemistry .1. The Belousov-Zhabotinsky reaction  
 JOURNAL OF PHYSICAL CHEMISTRY, 100: 4437-4441 (1996)
- Sirimungkala A, Forsterling HD, Noszticzius Z  
 \* 47. HPLC studies on the organic subset of the oscillatory BZ reaction .2. Two different types of malonyl  
 radicals in the Ce<sup>4+</sup>-malonic acid reaction  
 JOURNAL OF PHYSICAL CHEMISTRY, 100: 3051-3055 (1996)
- Yatsimirskii KB, Strizhak PE, Ivashchenko TS, Didenko OZ  
 48. The influence of different metals small concentrations on the chaotic BZ chemical systems. Possibility  
 of their use in chemical analysis  
 QUIMICA ANALITICA, 15: 292-295 (1996)
- Belmonte AL, Qi OY, Flesselles JM  
 49. Experimental survey of spiral dynamics in the Belousov- Zhabotinsky reaction  
 JOURNAL DE PHYSIQUE II, 7: 1425-1468 (1997)
- Dolnik M, Bollt EM  
 50. Communication with chemical chaos in the presence of noise  
 CHAOS, 8: 702-710 (1998)
- Guderian A, Munster AF, Kraus M, Schneider FW  
 51. Electrochemical chaos control in a chemical reaction: Experiment and simulation  
 JOURNAL OF PHYSICAL CHEMISTRY A, 102: 5059-5064 (1998)
- Zeyer KP, Schneider FW  
 52. Periodicity and chaos in chemiluminescence: The ruthenium- catalyzed Belousov-Zhabotinsky  
 reaction

- JOURNAL OF PHYSICAL CHEMISTRY A, 102: 9702-9709 (1998)  
 Petrascu AM, Koch Mhj, Forsterling HD
53. Effect of oxygen on the Belousov-Zhabotinsky reaction at low cerium concentrations  
 JOURNAL OF PHYSICAL CHEMISTRY A, 103: 6757-6765 (1999)  
 Sirimungkala A, Forsterling HD, Dlask V, Field RJ
54. Bromination reactions important in the mechanism of the Belousov-Zhabotinsky system  
 JOURNAL OF PHYSICAL CHEMISTRY A, 103: 1038-1043 (1999)  
 Strizhak PE, Khavrus VO
55. Determination of gases (NO, CO, Cl<sub>2</sub>) using mixed-mode regimes in the Belousov-Zhabotinskii oscillating chemical reaction  
 TALANTA, 51: 935-947 (2000)  
 Didenko OZ, Strizhak PE
56. Effect of temperature and small amounts of metal ions on transient chaos in the batch Belousov-Zhabotinsky system  
 CHEMICAL PHYSICS LETTERS, 340: 55-61 (2001)  
 Strizhak PE, Didenko OZ, Ivashchenko TS
57. Determination of traces of thallium using the transient chaotic regime in the Belousov-Zhabotinskii oscillating chemical reaction  
 ANALYTICA CHIMICA ACTA, 428: 15-21 (2001)  
 Kalishin EY, Goncharenko MM, Khavrus VA, Strizhak PE
58. Periodic, mixed-mode, and chaotic regimes in the Belousov-Zhabotinskii reaction catalyzed by ferrocene  
 KINETICS AND CATALYSIS, 43: 233-244 (2002)  
 Strizhak PE, Khavrus VO, Bar Eli K
- Effect of NO, CO, and Cl<sub>2</sub> on mixed-mode regimes in the Belousov-Zhabotinskii oscillating chemical reaction in a CSTR  
 JOURNAL OF PHYSICAL CHEMISTRY A, 106: 2505-2511 (2002)
60. Strizhak PE  
[Application of chemical chaos to analytical chemistry](#)  
 ADVANCES IN COMPLEX SYSTEMS 6 (1): 137-153 MAR 2003

Noszticzus Z, Wittmann M, Stirling P  
 BIFURCATION FROM EXCITABILITY TO LIMIT-CYCLE OSCILLATIONS AT THE END OF THE INDUCTION PERIOD IN THE CLASSICAL BELOUSOV-ZHABOTINSKY REACTION  
 J CHEM PHYS 86: 1922-1926 (1987)

IF: 3.355

Független idéző: 34

1. Hohmann W, Schinor N, Kraus M, Schneider F W  
 J PHYS CHEM A , 103: (29) 5742-5748
2. Bareli K, Noyes R M  
 J.Chem.Phys., 86: 1927 (1987)
3. Field R J, Schneider F W  
 Chem.Unser., 22: 17 (1988)
- 65 4. Gáspár V, Showalter K  
 J.Chem.Phys., 88: 778 (1988)
5. Györgyi L  
 J.Phys.Chem., 92: 7079 (1988)
6. Ruoff P, Noyes R M  
 J.Chem.Phys., 89: 6247-6254 (1988)
7. Sasaki Y  
 B.Chem.S.Japan, 61: 1479 (1988)
8. Field R J, Schneider F W  
 J.Chem.Educ., 66: 195-204 (1989)
9. Lheureux I, Kapral R, Bar Eli K  
 J.Chem.Phys., 91: 4285-4298 (1989)
10. Rastogi R P, Srivasta S

- Chem.Phys.Lett., 164: 173-177 (1989)
- 11.Bar Eli K, Brons M  
J.Phys.Chem., 94: 7170 (1990)
- 12.Dancsó A, Farkas H, Farkas M, Szabó Gy  
React.Kinet.Cat.Lett., 42/2: 325-330 (1990)
- 13.Gáspár V, Peng B, Showalter K  
Spatial inhomogeneities and transient behaviour in chemical kinetics  
Manchester University Press, 1990.
- 14.Gaspard P  
J.Phys.Chem., 94: 1 (1990)
- 15.Hunt K L C, Hunt P M, Ross J  
Ann.R.Ph.Ch., 41: 409 (1990)
- 16.Rastogi R P, Misra G P  
I.J.Chem.A., 29: 941 (1990)
- 17.Sasaki Y  
B.Chem.S.J., 63: 1700 (1990)
- 18.Brons M Bar Eli K  
J.Phys.Chem., 95: 8706 (1991)
- 19.Liu J L, Scott S K  
J.Chem.S.F., 87: 2135 (1991)
- 20.Ringland J  
J.Chem.Phys., 95: 555 (1991)
- 21.Misra G P  
Chem.Phys.Lett., 191: 435 (1992)
- 22.Pagitsas M, Karanton A, Sazou D  
Electr.Act., 37: 1047 (1992)
- 23.Pagitsas M, Sazou D  
J.Elec.Chem., 334: 81-101 (1992)
- 24.Laplante J P  
Phys.D, 65: 199-205 (1993)
- 25.Rastogi R P, Misra G P, Sharma A  
J.Phys.Chem., 97: 2571-2575 (1993)
- 26.Ali F, Strizhak P, Menzinger M  
J PHYS CHEM A, 101: (34) 6048-6053 (1997)
- 27.Hohmann W, Kraus M, Schneider F W  
J PHYS CHEM A, 101: (40) 7364-7370 (1997)
- 28.Lekebusch A, Schneider F W  
J PHYS CHEM B, 101: (47) 9838-9843 (1997)
- 29.Delgado E J, Munter A F  
J BRAZIL CHEM SOC, 10: (6) 492-496 (1999)
- 30.Hohmann W, Kraus M, Schneider F W  
J PHYS CHEM A, 103: (38) 7606-7611 (1999)
- 31.Vukojevic V, Anic S, Kolaranic L  
J PHYS CHEM A, 104: (46) 10731-10739 (2000)
- 32.Karantois A, Shiomi Y, Nakabayashi S  
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, V11: (N5) P1275-1294 (2001)
- 33.Liu J L  
J BIOL SYST, 9: (3) 169-186 (2001)
- 34.Nicolis Feigin, Westerhoff et al  
Faraday, 120: 197-213 (2001)
35. Liang CH, Mou CY, Lee DJ  
[Dynamic behavior and sensitivity of skeleton thermokinetic model for acetaldehyde oxidation](#)  
CHEMICAL ENGINEERING SCIENCE 58 (18): 4173-4184 SEP 2003

36. Dilao R, Volford A

[Excitability in a model with a saddle-node homoclinic bifurcation](#)

DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B 4 (2): 419-434 MAY 2004

Noszticzius Z, McCormick WD

A QUANTITATIVE AND COMPARATIVE-STUDY ON SILVER ION PERTURBED BELOUSOV-ZHABOTINSKY SYSTEMS - COMMENT

J PHYS CHEM 91: 4430-4431 (1987)

IF: 3.045

Független idéző: 8 Függo idéző: 3 Összesen: 11

1. Ruoff P, Varga M, Kőrös E  
J. Phys. Chem., 91: 4431-1987 (1987)
- Forsterling HD, Schreiber H
2. REACTION OF BROMOUS ACID WITH BROMIDE IN THE PRESENCE OF SILVER IONS  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 43: 956-960 (1988)
- Forsterling HD, Noszticzius Z
- \* 3. AN ADDITIONAL NEGATIVE FEEDBACK LOOP IN THE CLASSICAL BELOUSOV-ZHABOTINSKY REACTION - MALONYL RADICAL AS A 2ND CONTROL INTERMEDIATE  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2740-2748 (1989)
- Noyes RM, Field RJ, Forsterling HD, Koros E, Ruoff P
4. CONTROVERSIAL INTERPRETATIONS OF AG+ PERTURBATION OF THE BELOUSOV-ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 270-274 (1989)
- Muranyi S, Forsterling HD
5. CHLORIDE INDUCED OSCILLATIONS IN THE CLASSICAL BELOUSOV- ZHABOTINSKY REACTION EXPLAINED BY THE RADICALATOR-MODEL  
66 ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 45: 135-144 (1990)
- Russo T
6. MODELING OF A SILVER ION PERTURBED BELOUSOV-ZHABOTINSKII OSCILLATOR  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 4120-4122 (1990)
- Roberts J, Stuk L, McCormick WD
- \* 7. COMPETITION BETWEEN SILVER IONS AND OXYBROMINE SPECIES FOR BROMIDE IONS IN THE SILVER-PERTURBED BELOUSOV ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 3165-3167 (1991)
- Muranyi S, Noszticzius Z
- \* 8. ON THE PROBLEM OF BROMIDE CONTROL IN A TL3+-PERTURBED BELOUSOV-ZHABOTINSKY OSCILLATOR  
67 ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 47: 605-613 (1992)
- Sun SS, Lin HP, Chen YF, Jwo JJ
9. THE MN(II)-CATALYZED BELOUSOV-ZHABOTINSKY REACTION WITH METHYL-MALONIC, ETHYL-MALONIC OR BUTYL-MALONIC ACID  
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, 41: 651-658 (1994)
- Huang ZY, Wu JX, Xu HH
10. Study of perturbations of Ag+ on three B-Z reaction systems with different organic substrates  
ACTA CHIMICA SINICA, 54: 729-733 (1996)
- Taylor A F
11. PROG REACT KINET MEC, 27: (4) 247-325 (2002)

Gáspár V, Noszticzius Z, Farkas H

NUMERICAL-SIMULATION OF THE BZ REACTION OF OXALIC-ACID WITH A SIMPLE 4-VARIABLE MODEL

67 REACT KINET CATAL LET 33: 81-86 (1987)

IF: 0.259

Független idéző: 4



- Sevcik P, Hlavacova J
1. NUMERICAL-SIMULATION OF OSCILLATION REACTION OF THE BELOUSOV-ZHABOTINSKII TYPE IN THE PRESENCE OF OXALIC-ACID  
CHEMICAL PAPERS-CHEMICKE ZVESTI, 44: 451-466 (1990)
- Sevcik P, Guranova O
2. SOURCE OF THE BROMIDE IONS IN THE OSCILLATION REACTION OF THE BELOUSOV-ZHABOTINSKII TYPE WITH D-GLUCOSE  
CHEMICAL PAPERS-CHEMICKE ZVESTI, 44: 467-475 (1990)
- Hlavacova J, Sevcik P
3. A SIMULATION OF THE BELOUSOV-ZHABOTINSKII REACTION WITH OXALIC- ACID WITHOUT BROMINE REMOVAL  
CHEMICAL PHYSICS LETTERS, 182: 588-594 (1991)
4. Hlavacova J, Adamcikova L, Sevcik P  
MODELS, MECHANISM AND NUMERICAL SIMULATIONS OF THE BELOUSOV-ZHABOTINSKI REACTION  
CHEMICKE LISTY, 86: 796-806 (1992)
- \*5. Pelle K, Wittmann M, Lovrics K, et al.  
[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO2, and acidic BrO3- with oxalic acid](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004
- Farkas H, Noszticzius Z
68. Mathematical problems in modelling of the Belousov-Zhabotinsky systems  
In: Farkas M, Kertész V, Stepan G (ed.) Proceedings of the 11th International Conference on Nonlinear Oscillations, Budapest: János Bolyai Mathematical Society, 1987. pp. 812-815
- Farkas H, Noszticzius Z  
ANALYTICAL INVESTIGATION OF A 4-VARIABLE MODEL OF THE BZ REACTION  
REACT KINET CATAL LET 33: 93-98 (1987)  
IF: 0.259  
Független idéző: 4
- Sevcik P, Hlavacova J
1. NUMERICAL-SIMULATION OF OSCILLATION REACTION OF THE BELOUSOV-ZHABOTINSKII TYPE IN THE PRESENCE OF OXALIC-ACID  
CHEMICAL PAPERS-CHEMICKE ZVESTI, 44: 451-466 (1990)
- Sevcik P, Guranova O
69. 2. SOURCE OF THE BROMIDE IONS IN THE OSCILLATION REACTION OF THE BELOUSOV-ZHABOTINSKII TYPE WITH D-GLUCOSE  
CHEMICAL PAPERS-CHEMICKE ZVESTI, 44: 467-475 (1990)
- Hlavacova J, Sevcik P
3. A SIMULATION OF THE BELOUSOV-ZHABOTINSKII REACTION WITH OXALIC- ACID WITHOUT BROMINE REMOVAL  
CHEMICAL PHYSICS LETTERS, 182: 588-594 (1991)
- Hlavacova J, Adamcikova L, Sevcik P
4. MODELS, MECHANISM AND NUMERICAL SIMULATIONS OF THE BELOUSOV-ZHABOTINSKI REACTION  
CHEMICKE LISTY, 86: 796-806 (1992)
- Coffman KG, McCormick WD, Noszticzius Z, Simoyi RH, Swinney HL  
UNIVERSALITY, MULTIPLICITY, AND THE EFFECT OF IRON IMPURITIES IN THE BELOUSOV-ZHABOTINSKII REACTION  
J CHEM PHYS 86: 119-129 (1987)  
IF: 3.355
70. Független idéző: 69 Függo idéző: 7 Összesen: 76
1. Argoul F, Arneodo A, Richetti P  
SYMBOLIC DYNAMICS IN THE BELOUSOV-ZHABOTINSKII REACTION - AN EXPERIMENTAL AND THEORETICAL APPROACH OF SHILNIKOV HOMOCLINIC CHAOS  
JOURNAL DE CHIMIE PHYSIQUE ET DE PHYSICO-CHIMIE BIOLOGIQUE, 84: 1367-1385 (1987)

- \*2.Argoul F, Arneodo A, Richetti P, Roux JC, Swinney HL  
CHEMICAL CHAOS - FROM HINTS TO CONFIRMATION  
ACCOUNTS OF CHEMICAL RESEARCH, 20: 436-442 (1987)
- \*3.Noszticzius Z, McCormick WD, Swinney HL  
EFFECT OF TRACE IMPURITIES ON A BIFURCATION STRUCTURE IN THE BELOUSOV-ZHABOTINSKII REACTION AND PREPARATION OF HIGH-PURITY MALONIC-ACID  
JOURNAL OF PHYSICAL CHEMISTRY, 91: 5129-5134 (1987)
- 4.Vidal C  
EXPERIMENTAL STUDIES OF CHEMICALLY REACTING SYSTEMS EVOLVING FAR FROM EQUILIBRIUM  
JOURNAL DE CHIMIE PHYSIQUE ET DE PHYSICO-CHIMIE BIOLOGIQUE, 84: 1279-1287 (1987)
- 5.Albahadily FN, Schell M  
AN EXPERIMENTAL INVESTIGATION OF PERIODIC AND CHAOTIC ELECTROCHEMICAL OSCILLATIONS IN THE ANODIC-DISSOLUTION OF COPPER IN PHOSPHORIC-ACID  
JOURNAL OF CHEMICAL PHYSICS, 88: 4312-4319 (1988)
- 6.Bareli K, Noyes RM  
COMPUTATIONS SIMULATING EXPERIMENTAL-OBSERVATIONS OF COMPLEX BURSTING PATTERNS IN THE BELOUSOV-ZHABOTINSKY SYSTEM  
JOURNAL OF CHEMICAL PHYSICS, 88: 3646-3654 (1988)
- 7.Citri O, Epstein IR  
MECHANISTIC STUDY OF A COUPLED CHEMICAL OSCILLATOR - THE BROMATE-CHLORITE-IODIDE REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 92: 1865-1871 (1988)
- 8.Corbet AB  
SUPPRESSION OF CHAOS IN 1-D MAPS  
PHYSICS LETTERS A, 130: 267-270 (1988)
- 9.Corbet AB  
OPTIMIZATION OF DYNAMIC STRUCTURING IN A REACTION CELL  
JOURNAL OF CHEMICAL PHYSICS, 88: 3617-3622 (1988)
- 10.Gyorgyi L, Field RJ  
APERIODICITY RESULTING FROM EXTERNAL AND INTERNAL 2-CYCLE COUPLING IN THE BELOUSOV-ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 92: 7079-7088 (1988)
- 11.Kawczynski AL, Raczynski W, Baranowski B  
ANALYSIS OF CHAOTIC OSCILLATIONS IN A SIMPLE ELECTROCHEMICAL SYSTEM  
ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-LEIPZIG, 269: 596-602 (1988)
- 12.Gyorgyi L, Field RJ  
APERIODICITY RESULTING FROM 2-CYCLE COUPLING IN THE BELOUSOV-ZHABOTINSKII REACTION .3. ANALYSIS OF A MODEL OF THE EFFECT OF SPATIAL INHOMOGENEITIES AT THE INPUT PORTS OF A CONTINUOUS-FLOW, STIRRED TANK REACTOR  
JOURNAL OF CHEMICAL PHYSICS, 91: 6131-6141 (1989)
- 13.Gyorgyi L, Field RJ  
APERIODICITY RESULTING FROM 2-CYCLE COUPLING IN THE BELOUSOV-ZHABOTINSKII REACTION .2. MODELING OF THE EFFECT OF DEAD SPACES AT THE INPUT PORTS OF A CONTINUOUS-FLOW STIRRED TANK REACTOR  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2865-2867 (1989)
- 14.Lathrop DP, Kostelich EJ  
CHARACTERIZATION OF AN EXPERIMENTAL STRANGE ATTRACTOR BY PERIODIC-ORBITS  
PHYSICAL REVIEW A, 40: 4028-4031 (1989)
- \*15.Noszticzius Z, McCormick WD, Swinney HL  
USE OF BIFURCATION DIAGRAMS AS FINGERPRINTS OF CHEMICAL MECHANISMS  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2796-2800 (1989)
- 16.Schell M, Albahadily FN  
MIXED-MODE OSCILLATIONS IN AN ELECTROCHEMICAL SYSTEM .2. A PERIODIC CHAOTIC SEQUENCE

- JOURNAL OF CHEMICAL PHYSICS, 90: 822-828 (1989)
17. Epstein IR  
PHYSICAL-CHEMISTRY - SHAKEN, STIRRED - BUT NOT MIXED  
NATURE, 346: 16-17 (1990)
18. Gyorgyi L, Turanyi T, Field RJ  
MECHANISTIC DETAILS OF THE OSCILLATORY BELOUSOV-ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 7162-7170 (1990)
19. Ibison P, Scott SK  
DETAILED BIFURCATION STRUCTURE AND NEW MIXED-MODE OSCILLATIONS OF THE  
BELOUSOV-ZHABOTINSKII REACTION IN A STIRRED FLOW REACTOR  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 86: 3695-3700 (1990)
20. Ringland J, Issa N, Schell M  
FROM U SEQUENCE TO FAREY SEQUENCE - A UNIFICATION OF ONE- PARAMETER  
SCENARIOS  
PHYSICAL REVIEW A, 41: 4223-4235 (1990)
21. Epstein IR  
CHEMICAL CHAOS  
CHEMISTRY & INDUSTRY: 157-& (1991)
22. Gyorgyi L, Field RJ  
SIMPLE-MODELS OF DETERMINISTIC CHAOS IN THE BELOUSOV- ZHABOTINSKY  
REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 6594-6602 (1991)
23. Gyorgyi L, Rempe SL, Field RJ  
A NOVEL MODEL FOR THE SIMULATION OF CHAOS IN LOW-FLOW-RATE CSTR  
EXPERIMENTS WITH THE BELOUSOV ZHABOTINSKY REACTION - A CHEMICAL  
MECHANISM FOR 2 FREQUENCY OSCILLATIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 3159-3165 (1991)
- \*24. Kreisberg N, McCormick WD, Swinney HL  
EXPERIMENTAL DEMONSTRATION OF SUBTLETIES IN SUBHARMONIC INTERMITTENCY  
PHYSICA D, 50: 463-477 (1991)
25. Liu JL, Scott SK  
HYSTERESIS AND COMPLEX OSCILLATIONS OF THE UNCATALYZED BELOUSOV-  
ZHABOTINSKII REACTION IN A STIRRED FLOW REACTOR  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 87: 2135-2140 (1991)
- \*26. McCormick WD, Noszticzius Z, Swinney HL  
INTERRUPTED SEPARATRIX EXCITABILITY IN A CHEMICAL-SYSTEM  
JOURNAL OF CHEMICAL PHYSICS, 94: 2159-2167 (1991)
27. Schneider FW, Munster AF  
CHEMICAL OSCILLATIONS, CHAOS, AND FLUCTUATIONS IN FLOW REACTORS  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 2130-2138 (1991)
28. Blittersdorf R, Munster AF, Schneider FW  
APERIODICITY AND DETERMINISTIC CHAOS IN THE BELOUSOV- ZHABOTINSKY  
REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 5893-5897 (1992)
29. Caponeri M, Ciliberto S  
THERMODYNAMIC ASPECTS OF THE TRANSITION TO SPATIOTEMPORAL CHAOS  
PHYSICA D, 58: 365-383 (1992)
30. Gyorgyi L, Field RJ  
A 3-VARIABLE MODEL OF DETERMINISTIC CHAOS IN THE BELOUSOV- ZHABOTINSKY  
REACTION  
NATURE, 355: 808-810 (1992)
- \*31. Gyorgyi L, Field RJ, Noszticzius Z, McCormick WD, Swinney HL  
CONFIRMATION OF HIGH FLOW-RATE CHAOS IN THE BELOUSOV- ZHABOTINSKY  
REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 1228-1233 (1992)
32. Mindlin GB, Gilmore R

- TOPOLOGICAL ANALYSIS AND SYNTHESIS OF CHAOTIC TIME-SERIES  
PHYSICA D, 58: 229-242 (1992)
- 33.Abarbanel Hdi, Brown R, Sidorowich JJ, Tsimring LS  
THE ANALYSIS OF OBSERVED CHAOTIC DATA IN PHYSICAL SYSTEMS  
REVIEWS OF MODERN PHYSICS, 65: 1331-1392 (1993)
- 34.Arneodo A, Argoul F, Elezgaray J, Richetti P  
HOMOCLINIC CHAOS IN CHEMICAL-SYSTEMS  
PHYSICA D, 62: 134-169 (1993)
- 35.Doona CJ, Blittersdorf R, Schneider FW  
DETERMINISTIC CHAOS ARISING FROM HOMOCLINICITY IN THE CHLORITE THIOUREA  
OSCILLATOR  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 7258-7263 (1993)
- 36.Doumbouya SI, Munster AF, Doona CJ, Schneider FW  
DETERMINISTIC CHAOS IN SERIALY COUPLED CHEMICAL OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 1025-1031 (1993)
- 37.Kaplan DT, Glass L  
COARSE-GRAINED EMBEDDINGS OF TIME-SERIES - RANDOM-WALKS, GAUSSIAN  
RANDOM-PROCESSES, AND DETERMINISTIC CHAOS  
PHYSICA D, 64: 431-454 (1993)
- 38.Kostelich EJ, Schreiber T  
NOISE-REDUCTION IN CHAOTIC TIME-SERIES DATA - A SURVEY OF COMMON METHODS  
PHYSICAL REVIEW E, 48: 1752-1763 (1993)
- 39.Lebender D, Schneider FW  
NEURAL NETS AND THE LOCAL PREDICTOR METHOD USED TO PREDICT THE TIME-  
SERIES OF CHEMICAL-REACTIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 8764-8769 (1993)
- 40.Petrov V, Gaspar V, Masere J, Showalter K  
CONTROLLING CHAOS IN THE BELOUSOV-ZHABOTINSKY REACTION  
NATURE, 361: 240-243 (1993)
- 41.Zeyer KP, Holz R, Schneider FW  
CONTINUOUS COUPLING OF CHAOTIC AND PERIODIC STATES OF CHEMICAL  
OSCILLATORS WITH AND WITHOUT TIME-DELAY  
BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 97: 1112-1119  
(1993)
- 42.Ciliberto S  
SEVERAL ASPECTS OF THE TRANSITION TO SPATIOTEMPORAL CHAOS  
ANNALES DE PHYSIQUE, 19: 715-720 (1994)
- 43.Doona CJ, Stanbury DM  
ADVENTITIOUS CATALYSIS IN OSCILLATORY REDUCTIONS BY THIOUREA  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 12630-12634 (1994)
- 44.Doona CJ, Doumbouya SI  
CHAOS IN THE CHLORITE THIOCYANATE OSCILLATOR  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 513-517 (1994)
- 45.Hauser Mjb, Schneider FW  
COUPLED CHAOTIC STATES AND APPARENT NOISE IN EXPERIMENT AND MODEL  
JOURNAL OF CHEMICAL PHYSICS, 100: 1058-1065 (1994)
- 46.Hudson JL, Tsotsis TT  
ELECTROCHEMICAL REACTION DYNAMICS - A REVIEW  
CHEMICAL ENGINEERING SCIENCE, 49: 1493-1572 (1994)
- 47.Petrov V, Crowley MF, Showalter K  
AN ADAPTIVE-CONTROL ALGORITHM FOR TRACKING UNSTABLE PERIODIC- ORBITS  
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, 4: 1311-1317 (1994)
- 48.Tracqui P  
MIXED-MODE OSCILLATION GENEALOGY IN A COMPARTMENTAL MODEL OF BONE-  
MINERAL METABOLISM  
JOURNAL OF NONLINEAR SCIENCE, 4: 69-103 (1994)

49. Wang JC, Sorensen PG, Hynne F  
TRANSIENT PERIOD DOUBLINGS, TORUS OSCILLATIONS, AND CHAOS IN A CLOSED  
CHEMICAL-SYSTEM  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 725-727 (1994)
50. Xu YH, Amini A, Schell M  
A FORWARD AND REVERSE U-SEQUENCE OF CYCLIC VOLTAMMOGRAMS  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 12759-12767 (1994)
51. Zeyer KP, Dechert G, Hohmann W, Blittersdorf R, Schneider FW  
COUPLED BISTABLE CHEMICAL-SYSTEMS - EXPERIMENTAL REALIZATION OF BOOLEAN  
FUNCTIONS USING A SIMPLE FEEDFORWARD NET  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 49: 953-963  
(1994)
52. Zeyer KP, Munster AF, Hauser Mjb, Schneider FW  
PERIODIC, QUASI-PERIODIC, AND CHAOTIC POTENTIALS GENERATED BY  
ELECTROCHEMICAL CONCENTRATION CELLS - LOCAL AND GLOBAL DYNAMICS  
JOURNAL OF CHEMICAL PHYSICS, 101: 5126-5135 (1994)
- \*53. Chinake CR, Simoyi RH  
Environmental chemistry: Complex reaction patterns of some selected sulfur compounds in aqueous  
solutions and gaseous mixtures  
SOUTH AFRICAN JOURNAL OF CHEMISTRY-SUID-AFRIKAANSE TYDSKRIF VIR, 48: 1-7  
(1995)
54. Forster A, Zeyer KP, Schneider FW  
CHEMICAL RESONANCE AND CHAOTIC RESPONSE INDUCED BY ALTERNATING  
ELECTRICAL-CURRENT  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 11889-11895 (1995)
55. Scheeline A, Kirkor ES, Kovacsboerger AE, Olson DL  
ANALYTICAL-CHEMISTRY OF NONLINEAR-SYSTEMS  
MIKROCHIMICA ACTA, 118: 1-42 (1995)
56. Zeyer KP, Munster AF, Schneider FW  
QUASI-PERIODIC FORCING OF A CHEMICAL-REACTION - EXPERIMENTS AND  
CALCULATIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 13173-13180 (1995)
57. Doona CJ, Stanbury DM  
Equilibrium and redox kinetics of copper(II)-thiourea complexes  
INORGANIC CHEMISTRY, 35: 3210-3216 (1996)
58. Guderian A, Dechert G, Zeyer KP, Schneider FW  
Stochastic resonance in chemistry .1. The Belousov-Zhabotinsky reaction  
JOURNAL OF PHYSICAL CHEMISTRY, 100: 4437-4441 (1996)
59. Strizhak P, Menzinger M  
Nonlinear dynamics of the BZ reaction: A simple experiment that illustrates limit cycles, chaos,  
bifurcations, and noise  
JOURNAL OF CHEMICAL EDUCATION, 73: 868-873 (1996)
60. Hilborn RC, Tufillaro NB  
Resource letter: ND-1: Nonlinear dynamics  
AMERICAN JOURNAL OF PHYSICS, 65: 822-834 (1997)
61. Kostelich EJ  
The analysis of chaotic time-series data  
SYSTEMS & CONTROL LETTERS, 31: 313-319 (1997)
62. Dolnik M, Bollt EM  
Communication with chemical chaos in the presence of noise  
CHAOS, 8: 702-710 (1998)
63. Epstein I R, Pojman J A  
AN INTRODUCTION TO NONLINEAR CHEMICAL DYNAMICS  
. New Yor: Oxford University Press, 1998.
64. Gilmore R  
Topological analysis of chaotic dynamical systems

- REVIEWS OF MODERN PHYSICS, 70: 1455-1529 (1998)
- 65.Guderian A, Munster AF, Kraus M, Schneider FW  
Electrochemical chaos control in a chemical reaction: Experiment and simulation  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 5059-5064 (1998)
- 66.Baba R, Inokuma K, Karantonis A, Nakabayashi S  
Structural regularity in the electrochemically driven Rayleigh- Benard convection and its control under magnetic field  
KAGAKU KOGAKU RONBUNSHU, 25: 579-584 (1999)
- 67.Gontar V, Gutman M  
Method for computer simulation of chaotic and complex periodic oscillations  
MATHEMATICAL AND COMPUTER MODELLING OF DYNAMICAL SYSTEMS, 5: 203-219 (1999)
- 68.Masere J, Stewart F, Meehan T, Pojman JA  
Period-doubling behavior in frontal polymerization of multifunctional acrylates  
CHAOS, 9: 315-322 (1999)
- 69.Song H, Li YN, Chen L, Cai ZS, Li YJ, Hou Z, Zhao XZ  
Controlling Belousov-Zhabotinsky-continuous stirred tank reactor chaotic chemical reaction by discrete and continuous control strategies  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 1: 813-819 (1999)
- 70.Amemiya T, Ohmori T, Yamaguchi T  
An Oregonator-class model for photoinduced behavior in the Ru(bpy)<sub>3</sub>(2+)-catalyzed Belousov-Zhabotinsky reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 104: 336-344 (2000)
- 71.Didenko OZ, Strizhak PE  
Effect of temperature and small amounts of metal ions on transient chaos in the batch Belousov-Zhabotinsky system  
CHEMICAL PHYSICS LETTERS, 340: 55-61 (2001)
- 72.Kostelich EJ  
Bootstrap estimates of chaotic dynamics  
PHYSICAL REVIEW E, 6401: art. no.-016213 (2001)
- 73.Li YN, Song H, Cai ZS, Chen L, Hou Z, Wei QL, Wu BX, Zhao XZ  
New chaotic behavior and its effective control in Belousov- Zhabotinsky reaction  
CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE, 79: 29-34 (2001)
- 74.Kim K, Kong YS, Henry BI, Odagaki T  
Chaotic features in fractional iterative maps  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, 315: 40-44 (2002)
- 75.Kim K, Kim GH, Lee Jr, Choi JS, Kong YS, Henry BI, Yum MK, Odagaki T  
Multifractal measures in fractional iterative maps  
FRACTALS-COMPLEX GEOMETRY PATTERNS AND SCALING IN NATURE AND, 10: 229-233 (2002)
- 76.Prytz G, Futsaether C M, Johnsson A  
NEW PHYTOL, 158: (2) 259-267 (2003)
77. Guo HY, Li L, Wang HL, et al.  
[Chemical waves with line defects in the Belousov-Zhabotinsky reaction](#)  
PHYSICAL REVIEW E 69 (5): Art. No. 056203 Part 2 MAY 2004

1986

- Farkas H, Kertesz V, Noszticzius Z  
EXPLODATOR AND BISTABILITY  
REACT KINET CATAL LET 32: 301-306 (1986)  
IF: 0.273

71 Független idéző: 2 Függo idéző: 2 Összesen: 4

Kertesz V, Farkas H

- \* 1. LOCAL INVESTIGATION OF BISTABILITY PROBLEMS IN PHYSICOCHEMICAL SYSTEMS  
ACTA CHIMICA HUNGARICA-MODELS IN CHEMISTRY, 126: 775-791 (1989)



- Farkas H, Simon PL  
 \* 2. USE OF THE PARAMETRIC REPRESENTATION METHOD IN REVEALING THE ROOT  
 STRUCTURE AND HOPF-BIFURCATION  
 JOURNAL OF MATHEMATICAL CHEMISTRY, 9: 323-339 (1992)
- Hlavacova J, Adamcikova L, Sevcik P  
 3. MODELS, MECHANISM AND NUMERICAL SIMULATIONS OF THE BELOUSOV-  
 ZHABOTINSKI REACTION  
 CHEMICKE LISTY, 86: 796-806 (1992)
- Toth J  
 4. Multistationarity is neither necessary nor sufficient to oscillations  
 JOURNAL OF MATHEMATICAL CHEMISTRY, 25: 393-397 (1999)

1985

Noszticzus Z, Stirling P, Wittmann M  
 MEASUREMENT OF BROMINE REMOVAL RATE IN THE OSCILLATORY BZ REACTION OF  
 OXALIC-ACID - TRANSITION FROM LIMIT-CYCLE OSCILLATIONS TO EXCITABILITY VIA  
 SADDLE NODE INFINITE PERIOD BIFURCATION  
 J PHYS CHEM 89: 4914-4921 (1985)

IF: 3.048

Független idéző: 45

1. Field R J Försterling H D  
 J.Phys.Chem., 90: 5400 (1986)
2. Gáspár V, Galambosi P  
 J.Phys.Chem., 90: 2222 (1986)
3. Luo Y, Epstein I R  
 J.Chem.Phys., 85: 5733 (1986)
4. Szamosi J, Sasky S J  
 J.Phys.Chem.L., 90: 1995 (1986)
5. Bareli K, Noyes R M  
 J.Chem.Phys., 86: 1927 (1987)
6. Rastogi R P, Misra G P  
 J.Phys.Chem., 91: 3007 (1987)
7. Sevcik P, Adamcikova L  
 Coll.Czech., 52: 2125 (1987)
- 72 8. Gáspár V, Showalter K  
 J.Chem.Phys., 88: 778 (1988)
9. Sasaki Y  
 B.Chem.S.Japan, 61: 1479 (1988)
10. Adamcikova L, Sevcik P  
 Z.Phys.Ch.N., 162: 21-26 (1989)
11. Kertész V  
 Acta Chim.Hung., 126: 775 (1989)
12. Rastogi R P, Srivasta S  
 Chem.Phys.Lett., 164: 173-177 (1989)
13. Sevcik P, Adamcikova L  
 J.Chem.Phys., 91: 1012-1014 (1989)
14. Adamcikova L, Sevcik P  
 Z.Phys.Ch.L., 271: 781 (1990)
15. Dancsó A, Farkas H, Farkas M, Szabó Gy  
 React.Kinet.Cat.Lett., 42/2: 325-330 (1990)
16. Gáspár V, Peng B, Showalter K  
 Spatial inhomogeneities and transient behaviour in chemical kinetics  
 Manchester University Press, 1990.
17. Gaspard P  
 J.Phys.Chem., 94: 1 (1990)

18. Hunt K L C, Hunt P M, Ross J  
Ann.R.Ph.Ch., 41: 409 (1990)
19. Rastogi R P, Misra G P  
I.J.Chem.A., 29: 941 (1990)
20. Rastogi R P  
Chem.P.Lett., 174: 617 (1990)
21. Sasaki Y B  
Chem.Soc.Japan, 63: (1990)
22. Hlavacova J, Sevcik P  
Chem.P.Lett, 182: 588 (1991)
23. Roberts J, Stuk L, McCormick W D  
J.Phys.Chem., 95: 3165 (1991)
24. Srivasta P K, Mori Y, Hanazaki I  
J.Phys.Chem., 95: 1636 (1991)
25. Pagitsas M, Sazou D  
J.Elec.Chem., 334: 81-101 (1992)
26. Pojman J A, Dedeaux H, Fortenberry D  
J.Phys.Chem., 96: 7331-7333 (1992)
27. Rastogi R P, Misra G P, Sharma A  
J.Phys.Chem., 97: 2571-2575 (1993)
28. Strasser P, Stemwede J P, Ross J  
J.Phys.Chem., 97: 2851-2862 (1993)
29. Koper Mtm  
J CHEM PHYS, 102: (13) 5278-5287 (1995)
30. Pinto JC, Ray WH  
CHEM ENG SCI, 50: (6) 1041-1056 (1995)
31. Sazou D, Pagitsas M  
ELECTROCHIM ACTA, 40: (6) 755-766 (1995)
32. Li H X, Huang X J  
CHEM PHYS LETT, 255: (1-3) 137-141 (1996)
33. Hohmann W, Kraus M, Schneider FW  
J PHYS CHEM A, 101: (40) 7364-7370 (1997)
34. Lekebusch A, Schneider F W  
J PHYS CHEM B, 101: (47) 9838-9843 (1997)
35. Epstein I R, Pojman J A  
AN INTRODUCTION TO NONLINEAR CHEMICAL DINAMICS  
New York: Oxford University Press, 1998.
36. Guedes MC, Faria RB  
J PHYS CHEM A, 102: (11) 1973-1975 (1998)
37. Sazou D, Pagitsas M  
J ELECTROANAL CHEM, 451: (1-2) 77-87 (1998)
38. Steinbock O, Muller SC  
J PHYS CHEM A, 102: (32) 6485-6490 (1998)
39. Hohmann W, Kraus M, Schneider F W  
J PHYS CHEM A, 103: (38) 7606-7611 (1999)
40. Hohmann W, Schinor N, Kraus M, Schneider F W  
J PHYS CHEM A, 103: (29) 5742-5748 (1999)
41. Vukojevic V, Anic S, Kolar Anic L  
J PHYS CHEM A, 104: (46) 10731-10739 (2000)
42. Liu J L  
J BIOL SYST, 9: (3) 169-186 (2001)
43. Nicolis, Feigin, Westerhoff, et al  
FARADAY DISCUSS, 120: 197-213 (2001)

44. Taylor A F  
 PROG REACT KINET MEC, 27: (4) 247-325 (2002)
45. Vukojevic V, Anic S, Kolar Anic L  
 PHYS CHEM CHEM PHYS, 8: 1276-1283 (2002)
46. Biswas S, Mukherjee K, Mukherjee DC, et al.  
[A comprehensive report on the study of B-Z oscillatory reactions BrO<sub>3</sub><sup>-</sup>-GA and BrO<sub>3</sub><sup>-</sup>-oxalic acid-acetone systems](#)  
 JOURNAL OF THE INDIAN CHEMICAL SOCIETY 80 (5): 479-498 MAY 2003
47. Liang CH, Mou CY, Lee DJ  
[Dynamic behavior and sensitivity of skeleton thermokinetic model for acetaldehyde oxidation](#)  
 CHEMICAL ENGINEERING SCIENCE 58 (18): 4173-4184 SEP 2003
- \*48. Pelle K, Wittmann M, Lovrics K, et al.  
[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub><sup>-</sup> with oxalic acid](#)  
 JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004
49. Pereira JAM, Faria RB  
[Oscillatory bromate-oxalic acid-Ce-acetone-sulfuric acid reaction, in CSTR](#)  
 JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY 15 (6): 976-978 NOV-DEC 2004

Noszticzus Z, Gáspár V, Forsterling HD  
 EXPERIMENTAL TEST FOR THE CONTROL INTERMEDIATE IN THE BELOUSOV-ZHABOTINSKY (BZ) REACTION  
 J AM CHEM SOC 107: 2314-2315 (1985)

IF: 4.319

Független idéző: 14 Függo idéző: 9 Összesen: 23

- Field RJ, Boyd PM  
 1. BROMINE-HYDROLYSIS CONTROL IN THE CERIUM ION BROMATE ION OXALIC-ACID ACETONE BELOUSOV-ZHABOTINSKII OSCILLATOR  
 JOURNAL OF PHYSICAL CHEMISTRY, 89: 3707-3714 (1985)
- Gaspar V, Bazsa G, Beck MT  
 \* 2. BISTABILITY AND BROMIDE-CONTROLLED OSCILLATION DURING BROMATE OXIDATION OF FERROIN IN A CONTINUOUS-FLOW STIRRED TANK REACTOR  
 JOURNAL OF PHYSICAL CHEMISTRY, 89: 5495-5499 (1985)
- Noszticzus Z, Stirling P, Wittmann M  
 \* 3. MEASUREMENT OF BROMINE REMOVAL RATE IN THE OSCILLATORY BZ REACTION OF OXALIC-ACID - TRANSITION FROM LIMIT-CYCLE OSCILLATIONS TO EXCITABILITY VIA SADDLE NODE INFINITE PERIOD BIFURCATION  
 73 JOURNAL OF PHYSICAL CHEMISTRY, 89: 4914-4921 (1985)
- Adamcikova L, Sevcik P  
 4. OSCILLATION REACTIONS OF BELOUSOV-ZHABOTINSKII TYPE WITH HYDROXY-ACIDS IN CLOSED SYSTEMS WITHOUT REMOVAL OF BROMINE  
 COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 51: 2685-2692 (1986)
- Ariese F, Nagy Z  
 5. THE BROMIDE BROMOUS ACID REACTION - SWITCH-CONTROLLING STEP OF THE BELOUSOV-ZHABOTINSKII OSCILLATING SYSTEM  
 JOURNAL OF PHYSICAL CHEMISTRY, 90: 1496-1498 (1986)
- Crowley MF, Field RJ  
 6. ELECTRICALLY COUPLED BELOUSOV-ZHABOTINSKII OSCILLATORS .1. EXPERIMENTS AND SIMULATIONS  
 JOURNAL OF PHYSICAL CHEMISTRY, 90: 1907-1915 (1986)
- Field RJ, Forsterling HD  
 \* 7. ON THE OXYBROMINE CHEMISTRY RATE CONSTANTS WITH CERIUM IONS IN THE FIELD-KOROS-NOYES MECHANISM OF THE BELOUSOV-ZHABOTINSKII REACTION - THE EQUILIBRIUM HBRO<sub>2</sub>+BRO<sub>3</sub><sup>-</sup>+H<sup>+</sup>-REVERSIBLE-2BRO<sub>2</sub>.+H<sub>2</sub>O  
 JOURNAL OF PHYSICAL CHEMISTRY, 90: 5400-5407 (1986)
- \* 8. Gaspar V, Galambosi P

- BIFURCATION DIAGRAM OF THE OSCILLATORY BELOUSOV-ZHABOTINSKII SYSTEM OF OXALIC-ACID IN A CONTINUOUS-FLOW STIRRED TANK REACTOR - FURTHER POSSIBLE EVIDENCE OF SADDLE NODE INFINITE PERIOD BIFURCATION BEHAVIOR OF THE SYSTEM  
 JOURNAL OF PHYSICAL CHEMISTRY, 90: 2222-2226 (1986)
- McKinnon CK, Field RJ
9. CONTINUOUSLY STIRRED TANK REACTOR BISTABILITY IN THE BELOUSOV-ZHABOTINSKII REACTION - OREGONATOR AND EXPLODATOR MODELS  
 JOURNAL OF PHYSICAL CHEMISTRY, 90: 166-168 (1986)
- Schwitters B, Ruoff P
10. SIMULATION OF BROMATE-DRIVEN OSCILLATIONS IN THE PRESENCE OF EXCESS SILVER IONS USING THE OREGONATOR MODEL  
 JOURNAL OF PHYSICAL CHEMISTRY, 90: 2497-2501 (1986)
- Sevcik P, Adamcikova L
11. KINETICS OF COMPONENT REACTIONS OF THE BELOUSOV-ZHABOTINSKII TYPE OSCILLATION SYSTEM WITH OXALIC-ACID AND HYPOPHOSPHITE IONS  
 COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 52: 2125-2131 (1987)
- Kshirsagar G, Field RJ
12. A KINETIC AND THERMODYNAMIC STUDY OF COMPONENT PROCESSES IN THE EQUILIBRIUM 5HOBR-REVERSIBLE-2BR<sub>2</sub>+BRO<sub>3</sub><sup>-</sup>+2H<sub>2</sub>O+H<sup>+</sup>  
 JOURNAL OF PHYSICAL CHEMISTRY, 92: 7074-7079 (1988)
- Forsterling HD, Muranyi S, Schreiber H
- \* 13. RATE OF THE BROMOUS ACID BROMIDE REACTION MEASURED IN A BR-2- HOBR BUFFER SYSTEM IN SULFURIC-ACID SOLUTION  
 ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 44: 555-566 (1989)
- Forsterling HD, Noszticzius Z
- \* 14. AN ADDITIONAL NEGATIVE FEEDBACK LOOP IN THE CLASSICAL BELOUSOV-ZHABOTINSKY REACTION - MALONYL RADICAL AS A 2ND CONTROL INTERMEDIATE  
 JOURNAL OF PHYSICAL CHEMISTRY, 93: 2740-2748 (1989)
- Sevcik P, Adamcikova L
15. STIRRING RATE EFFECT IN THE CLOSED, BATCH BELOUSOV-ZHABOTINSKY SYSTEM WITH OXALIC-ACID  
 JOURNAL OF CHEMICAL PHYSICS, 91: 1012-1014 (1989)
- Forsterling HD, Muranyi S
- \* 16. CONTRIBUTION OF MALONYL RADICAL CONTROL IN THE CLASSICAL BELOUSOV-ZHABOTINSKY REACTION  
 ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 45: 1259-1266 (1990)
- Forsterling HD, Muranyi S, Noszticzius Z
- \* 17. EVIDENCE OF MALONYL RADICAL CONTROLLED OSCILLATIONS IN THE BELOUSOV-ZHABOTINSKY REACTION (MALONIC ACID-BROMATE-CERIUM SYSTEM)  
 JOURNAL OF PHYSICAL CHEMISTRY, 94: 2915-2921 (1990)
- Gyorgyi L, Turanyi T, Field RJ
18. MECHANISTIC DETAILS OF THE OSCILLATORY BELOUSOV-ZHABOTINSKII REACTION  
 JOURNAL OF PHYSICAL CHEMISTRY, 94: 7162-7170 (1990)
- Russo T
19. MODELING OF A SILVER ION PERTURBED BELOUSOV-ZHABOTINSKII OSCILLATOR  
 JOURNAL OF PHYSICAL CHEMISTRY, 94: 4120-4122 (1990)
- Muranyi S, Noszticzius Z
- \* 20. ON THE PROBLEM OF BROMIDE CONTROL IN A TL<sub>3</sub><sup>+</sup>-PERTURBED BELOUSOV-ZHABOTINSKY OSCILLATOR  
 ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 47: 605-613 (1992)
- Faria RD, Lengyel I, Epstein IR, Kustin K
21. COMBINED MECHANISM EXPLAINING NONLINEAR DYNAMICS IN BROMINE(III) AND

BROMINE(V) OXIDATIONS OF IODIDE-ION  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 1164-1171 (1993)

Pota G, Stedman G

22. EXOTIC BEHAVIOR OF CHEMICAL-REACTION SYSTEMS  
ACH-MODELS IN CHEMISTRY, 131: 229-268 (1994)

23. Taylor A F

Prog React Kinet Mec, 27: (4) 247-325 (2002)

Noszticzius Z, Wittmann M, Stirling P

A New Bromide-Selective Electrode for Monitoring Oscillating Reactions

In: Pungor E (ed.) 4th Symposium on Ion-Selective Electrodes, Mátrafüred, 1984, Amsterdam: Elsevier, 1985. pp. 579-589

Független idéző: 8

1. Vlasov Y G, Moskvina L N, Bychkov E A, Golikov P V  
Analyst, 114: 185-190 (1989)

2. Försterling H D, Murányi Sz  
Z.Naturforsch., 45A: 1259 (1990)

3. Murányi Sz, Swinney H L  
Z.Naturforsch., 45A,: 135 (1990)

74

4. Tam W Y  
Physica D, 46: 10 (1990)

5. Skinner G S, Swinney H L  
Physica D., 48: 1 (1991)

6. Försterling H D, Stuk L, Barr A, McCormick W D  
J.Phys.Chem., 97: 2623-2627 (1993)

7. Scheeline A, Kirkor ES, Kovacsboerger AE, Olson DL  
MIKROCHIM ACTA, 118: (1-2) 1-42 (1995)

Epstein I R, Pojman J A

8. AN INTRODUCTION TO NONLINEAR CHEMICAL DYNAMICS  
New York: Oxford University Press, 1998.

Hédervári P, Noszticzius Z

RECENT RESULTS CONCERNING EARTHQUAKE LIGHTS

ANN GEOPHYS-GERMANY 3: 705-707 (1985)

IF: 0.713

Független idéző: 7

Gornyi VI, Salman AG, Tronin AA, Shilin BV

1. THE OUTGOING INFRARED RADIATION OF THE EARTH AS AN INDICATOR OF SEISMIC  
ACTIVITY  
DOKLADY AKADEMII NAUK SSSR, 301: 67-69 (1988)

Grigoriev AI, Gershenson NI, Gokhberg MB

2. ON THE NATURE OF ATMOSPHERE LUMINESCENCE DURING THE EARTHQUAKES  
DOKLADY AKADEMII NAUK SSSR, 300: 1087-1090 (1988)

75

Grigoryev AI, Gershenson NI, Gokhberg MB

3. PARAMETRIC-INSTABILITY OF WATER DROPS IN AN ELECTRIC-FIELD AS A POSSIBLE  
MECHANISM FOR LUMINOUS PHENOMENA ACCOMPANYING EARTHQUAKES  
PHYSICS OF THE EARTH AND PLANETARY INTERIORS, 57: 139-143 (1989)

Freund F

4. Time-resolved study of charge generation and propagation in igneous rocks  
JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, 105: 11001-11019 (2000)

Kirschvink JL

5. Earthquake prediction by animals: Evolution and sensory perception  
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, 90: 312-323 (2000)

Chuo YJ, Chen YI, Liu JY, Pulneta SA

6. Ionospheric foF2 variations prior to strong earthquakes in Taiwan area  
(27) ADVANCES IN REMOTE SENSING OF THE MIDDLE AND UPPER ATMOSPHERE, 2001.  
1305 p. (; 27.)

- Freund F  
7. Charge generation and propagation in igneous rocks  
JOURNAL OF GEODYNAMICS, 33: 543-570 (2002)
- Farkas H, Noszticzius Z  
76 USE OF LIAPUNOV-FUNCTIONS IN DISSIPATIVE AND EXPLOSIVE MODELS  
BER BUNSEN PHYS CHEM 89: 604-605 (1985)  
IF: 1.711
- Farkas H, Noszticzius Z  
GENERALIZED LOTKA VOLTERRA SCHEMES AND THE CONSTRUCTION OF TWO-DIMENSIONAL EXPLODATOR CORES AND THEIR LIAPUNOV-FUNCTIONS VIA CRITICAL HOPF BIFURCATIONS  
J CHEM SOC FAR T II 81: 1487-1505 (1985)  
IF: 1.872  
Független idéző: 10 Függo idéző: 2 Összesen: 12
- Toth J, Hars V  
1. SPECIFICATION OF OSCILLATING CHEMICAL-MODELS STARTING FROM A GIVEN LINEARIZED FORM  
THEORETICA CHIMICA ACTA, 70: 143-150 (1986)
- Cartianu D  
2. A STUDY OF THE STABILITY OF REALISTIC MODELS OF OSCILLATING CHEMICAL-REACTIONS BY USING CONCEPTS DERIVED FROM THE RULES FOR FLOW-GRAPHS  
REVUE ROUMAINE DE CHIMIE, 33: 489-524 (1988)
- Poland D  
3. THE EFFECT OF CLUSTERING ON THE LOTKA-VOLTERRA MODEL  
PHYSICA D, 35: 148-166 (1989)
- Hering R H  
4. J. Math. Chem., 5: 197 (1990)
- Dancso A, Farkas H, Farkas M, Szabo G  
\* 5. INVESTIGATIONS INTO A CLASS OF GENERALIZED 2-DIMENSIONAL LOTKA-VOLTERRA SCHEMES  
ACTA APPLICANDAE MATHEMATICAE, 23: 103-127 (1991)
- 77 Simon PL  
6. THE REVERSIBLE LVA MODEL  
JOURNAL OF MATHEMATICAL CHEMISTRY, 9: 307-322 (1992)
- Strizhak PE  
7. THE LOTKA-VOLTERRA SYSTEMS HAMILTONIAN-STRUCTURE - CLASSICAL AND QUANTUM-PROPERTIES  
CHEMICAL PHYSICS LETTERS, 197: 243-246 (1992)
- Strizhak PE  
8. CLASSIC AND QUANTUM-PROPERTIES OF SIMPLE AUTOCATALYSIS - THE LOTKA-VOLTERRA SYSTEM  
TEORETICHESKAYA I EKSPERIMENTALNAYA KHIMIYA, 29: 49-56 (1993)
- Pota G, Stedman G  
9. EXOTIC BEHAVIOR OF CHEMICAL-REACTION SYSTEMS  
ACH-MODELS IN CHEMISTRY, 131: 229-268 (1994)
- Simon PL, Thuy NB, Farkas H, Noszticzius Z  
\* 10. Application of the parametric representation method to construct bifurcation diagrams for highly non-linear chemical dynamical systems  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 92: 2865-2871 (1996)
- Nguyen BT, Dancso A  
11. A possible generalization of the Lotka-Volterra scheme  
ACH-MODELS IN CHEMISTRY, 136: 15-22 (1999)
- Franzle S, Markert B  
12. The Biological System of the Elements (BSE). Part II: a theoretical model for establishing the essentiality of chemical elements. The application of stoichiometric network analysis to the biological system of the elements



1984

Oláh K, Patonay G, Noszticzius Z  
A FULLY LINEAR CONSTRUCTION OF THERMAL-CONDUCTIVITY DETECTOR  
J CHROMATOGR SCI 22: 444-448 (1984)

78 IF: 1.809

Független idéző: 1

1. Anon

J. Chromatography, 335: (1) B87-B115 (1985)

Noszticzius Z, Farkas H, Schelly Z

79 Process (E2) of the Explodator Model

In: Vidal C, Pacault A (ed.) Non-Equilibrium Dynamics in Chemical Systems, Berlin: Springer-Verlag, 1984.  
pp. 238-239

Noszticzius Z, Farkas H, Schelly ZA

EXPLODATOR AND OREGONATOR - PARALLEL AND SERIAL OSCILLATORY NETWORKS - A  
COMPARISON

REACT KINET CATAL LET 25: 305-311 (1984)

IF: 0.360

Független idéző: 4 Függo idéző: 5 Összesen: 9

Farkas H, Noszticzius Z

GENERALIZED LOTKA VOLTERRA SCHEMES AND THE CONSTRUCTION OF TWO-

\* 1. DIMENSIONAL EXPLODATOR CORES AND THEIR LIAPUNOV-FUNCTIONS VIA CRITICAL  
HOPF BIFURCATIONS

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS II, 81: 1487-1505 (1985)

Farkas H, Noszticzius Z

\* 2. USE OF LIAPUNOV-FUNCTIONS IN DISSIPATIVE AND EXPLOSIVE MODELS

\* 2. BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 89: 604-605  
(1985)

Forsterling HD, Lamberz HJ, Schreiber H

3. KINETICS OF THE CE-3+/BRO<sub>2</sub>-REACTION IN SULFURIC-ACID MEDIUM

3. ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 40: 368-372  
(1985)

Noszticzius Z, Stirling P, Wittmann M

80 \* 4. MEASUREMENT OF BROMINE REMOVAL RATE IN THE OSCILLATORY BZ REACTION OF  
OXALIC-ACID - TRANSITION FROM LIMIT-CYCLE OSCILLATIONS TO EXCITABILITY VIA  
SADDLE NODE INFINITE PERIOD BIFURCATION

JOURNAL OF PHYSICAL CHEMISTRY, 89: 4914-4921 (1985)

Noszticzius Z, Gaspar V, Forsterling HD

\* 5. EXPERIMENTAL TEST FOR THE CONTROL INTERMEDIATE IN THE BELOUSOV-

\* 5. ZHABOTINSKY (BZ) REACTION

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 107: 2314-2315 (1985)

Ruoff P

6. PHASE RESPONSE RELATIONSHIPS AS AN ANALYTICAL TOOL IN INVESTIGATING  
CHEMICAL OSCILLATING REACTIONS .1. A CRUCIAL TEST BETWEEN EXPLODATOR  
AND OREGONATOR-TYPE MODELS DESCRIBING THE AG+-PERTURBED BELOUSOV-  
ZHABOTINSKY REACTION

JOURNAL OF CHEMICAL PHYSICS, 83: 2000-2001 (1985)

Eszterle M, Noszticzius Z, Schelly ZA

\* 7. THE PHASE RESPONSE OF THE EXPLODATOR

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS I, 84: 575-580 (1988)

Gordon G

8. THE ROLE OF TRANSITION-METAL IONS ON OXYHALOGEN REDOX REACTIONS

PURE AND APPLIED CHEMISTRY, 61: 873-878 (1989)

Treindl L, Hemmingsen T, Ruoff P

9. Belousov-Zhabotinsky oscillations during the chemical or electrochemical generation of Ag<sup>+</sup> ions  
CHEMICAL PHYSICS LETTERS, 269: 263-267 (1997)

Noszticzius Z, Farkas H, Schelly ZA  
EXPLODATOR - A NEW SKELETON MECHANISM FOR THE HALATE DRIVEN CHEMICAL  
OSCILLATORS

J CHEM PHYS 80: 6062-6070 (1984)

IF: 2.996

Független idéző: 67

1. Kertész V  
Nonlin. Anal., 8: 941 (1984)
2. Noyes R M  
J. Chem. Phys., 80: 6071 (1984)
3. Rovinsky A B, Zhabotinsky A M  
J PHYS CHEM-US, 88: (25) 6081-6084 (1984)
4. Tyson J J  
J. Chem. Phys., 80: 6079 (1984)
5. Adamcikova L, Halinaro I  
Coll. Czech., 50/7: 1588-1593 (1985)
6. Becker P K, Field R J  
J. Phys. Chem., 89/1: 118-128 (1985)
7. Brusa M A, Perissin L J, Colussi A J  
J. Phys. Chem., 89/9: 1572-1574 (1985)
8. Epstein I R, Kustin K  
J. Phys. Chem., 89/11: 2275-2282 (1985)
9. Field R J, Boyd P M  
J. Phys. Chem., 89/17: 3707-3714 (1985)  
Field R J
10. Oscillations and Traveling Waves in Chemical Systems  
Wiley, 1985.
- 81 11. Fife P C  
J. Stat. Phys., 39/5-6: 687-703 (1985)
12. Gáspár V, Bazsa Gy, Beck M T  
J. Phys. Chem., 89: 5495 (1985)
13. Hourai M, Kotake Y, Kuwata K  
J. Phys. Chem., 89/9: 1760-1764 (1985)
14. Maritato M, Nikles J, Romsted L S, Tramonti M  
J. Phys. Chem. L., 89/9: (1985)
15. Rovinsky A B, Zhabotinskii A M  
J. Phys. Chem., 88/25: 6081-6084 (1985)
16. Ruoff P  
J. Chem. Phys., 83/4: 2000-2001 (1985)
17. Sevcik P, Dubovska J  
Coll. Czech., 50/7: 1450-1456 (1985)
18. Sevcik P, Adamcikova L  
J. Phys. Chem., 89/24: 5178-5179 (1985)
19. Adamcikova L, Sevcik P  
Coll. Czech., 51: 2685 (1986)
20. Citri O, Epstein I R  
J. Am. Chem. Soc., 108: 357 (1986)
21. Crowley M F, Field R J  
J. Phys. Chem., 90: 1907 (1986)
22. Dolnik M, Schreiber H, Marek M  
Physica D., 21: 78 (1986)
23. Gáspár V, Galambosi P  
J. Phys. Chem., 90: 2222 (1986)
24. Halberg F, Guillanm F, Delapena S S, Cavallin M, Cornelis G

- Chronobiol. N, 13: 137 (1986)
25. Huskey W P, Epstein I R  
J. Phys. Chem. L., 90: 4699 (1986)
  26. Koch E  
Thermoc. Act., 101: 245 (1986)
  27. Levine D S  
Math. Biosci., 77: 17 (1986)
  28. McKinnon C K, Field R J  
J. Phys. Chem., 90: 166 (1986)
  29. Szamosi J, Lasky S J  
J Phys. Chem. L., 90: 1995 (1986)
  30. Szamosi J  
Origin Life, 16: 165 (1986)
  31. Killory H, Rössler O E, Hudson J L  
Phys. Lett. A., 122: 341 (1987)
  32. Koch E Ungvárai Nagy Zs  
Ber. Bunsenges.: 1375 (1987)
  33. Rovinsky A B  
J. Phys. Chem., 91: 4606 (1987)
  34. Schmitz G  
J. Chim. Phys., 84: 957 (1987)
  35. Sevcik P, Adamcikova L  
Coll. Czech., 52: 2125 (1987)
  36. Zhabotinskii A M  
J. Stat. Phys., 48: 959 (1987)
  37. Hansen E W, Ruoff P  
J. Phys. Chem., 92: 2641 (1988)
  38. Kshirsagar G, Field R J, Györgyi L  
J. Phys. Chem., 92: 2472 (1988)
  39. Lozi R, Ushiki S  
Ann. Telecom, 43: 187-208 (1988)
  40. Ruoff P, Varga M, Kôrös E  
Acc. Chem. Res., 21: 326-332 (1988)
  41. Blume R, Wiechocz D, Meier H, Wedekind F  
Z. Naturforsch., 44B: 598-608 (1989)
  42. Hocker C G, Epstein I R  
J. Chem. Phys., 90: 3071-3080 (1989)
  43. Jwo J J, Chang E F  
J. Phys. Chem., 93: 2388-2392 (1989)
  44. Poland D  
Physica D., 35: 148 (1989)
  45. Tang B R  
Nonlin. Anal., 13: 1359-1374 (1989)
  46. Yatsimirsky K B, Tikhonova L P, Kovalenko A S, Moshovi F S  
J. Phys. Chem., 93: 2848-2852 (1989)
  47. Györgyi L, Turányi T, Field R J  
J. Phys. Chem., 94: 7162 (1990)
  48. Hunt K L C, Hunt P M, Ross J  
Ann. R. Ph. Ch., 41: 409 (1990)
  49. Luo Y, Epstein I R  
Adv. Ch. Phys., 79: 269 (1990)
  50. Sevcik P  
Chem. Pap.-Ch., 44: 451 (1990)

51. Sevcik P, Hlavacova J  
Chem. Papers, 44/4: 451-466 (1990)
52. Tikhonova L P  
React. Kinet. Cat. Lett., 42/2: 367-373 (1990)
53. Buhse T, Thiemann W  
Z Naturforsch., 46B: 1406 (1991)
54. Eiswirth M  
J. Phys. Chem., 95: 1294 (1991)
55. Eiswirth M, Freund A, Ross J  
Adv. Chem. Phys., 80: 127 (1991)
56. Liu J L, Scott S K  
J. Chem. S. F., 87: 2135 (1991)
57. Hlavacova J, Adamcikova L, Sevcik P  
Chem.Listy, 86: 796-806 (1992)
58. Liu J L, Scott S K  
J. Chem. Soc. Faraday, 88: 909 (1992)
59. Turányi T, Györgyi L, Field R J  
J.Phys.Chem., 97: 1931-1941 (1993)
60. Pota Gy, Stedman G  
ACH-Model, 131: 229-268 (1994)
61. Wu X M, Schelly Z A, Vastano J A  
Physica D., 74: 74-89 (1994)
62. Orlik M  
POLISH J CHEM, 69: (10) 1349-1386 (1995)
63. Treindl L, Hemmingsen T, Ruoff P  
CHEM PHYS LETT, 269: (3-4) 263-267 (1997)
64. Epstein I, Pojman J  
An Introduction to Nonlinear Chemical Dynamics  
New York: Oxford University Press, 1998.
65. Weber M, Fischer H  
HELV CHIM ACTA, 81: (4) 770-780 (1998)
66. Pal S C, Banerjee R S  
J. Indian Chem. Soc., 79: (5) 393-408 (2002)
67. Sagues F, Epstein I R  
Dalton T, 7: 1201-1217 (2003)

1983

Noszticzus Z, Noszticzus E, Schelly ZA

ON THE USE OF ION-SELECTIVE ELECTRODES FOR MONITORING OSCILLATING REACTIONS  
.2. POTENTIAL RESPONSE OF BROMIDE- AND IODIDE SELECTIVE AND IODIDE-SELECTIVE  
ELECTRODES IN SLOW CORROSIVE PROCESSES - DISPROPORTIONATION OF BROMOUS AND  
IODOUS ACIDS - A LOTKA-VOLTERRA MODEL FOR THE HALATE DRIVEN OSCILLATORS  
J PHYS CHEM 87: 510-524 (1983)

IF: 2.646

Független idéző: 83 Függo idéző: 14 Összesen: 97

- 82 1. Ganapathisubramanian N, Noyes R M  
J. Phys. Chem., 86: 3217 (1982)
- Forsterling HD, Lamberz HJ, Schreiber H  
FORMATION OF BRO<sub>2</sub> IN THE BELOUSOV-ZHABOTINSKY-SYSTEM REACTION OF
2. ALIPHATIC-ALCOHOLS WITH BROMATE  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 38: 483-  
486 (1983)
- Orban M, Epstein IR
3. SYSTEMATIC DESIGN OF CHEMICAL OSCILLATORS .14. INORGANIC BROMATE  
OSCILLATORS - BROMATE CHLORITE REDUCTANT

- JOURNAL OF PHYSICAL CHEMISTRY, 87: 3212-3219 (1983)  
Bareli K
4. COUPLING OF CHEMICAL OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 88: 3616-3622 (1984)  
Bareli K, Ronkin J
5. OSCILLATIONS AND STEADY-STATES IN THE BROMATE-BROMIDE-CEROUS SYSTEM -  
COMPARISON OF EXPERIMENTAL AND CALCULATED DATA OF DIFFERENT SETS OF  
RATE CONSTANTS  
JOURNAL OF PHYSICAL CHEMISTRY, 88: 2844-2847 (1984)  
Kertesz V
6. GLOBAL MATHEMATICAL-ANALYSIS OF THE EXPLODATOR  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, 8: 941-961 (1984)  
Koros E, Varga M, Gyorgyi L
7. THOROUGH STUDY OF BROMIDE CONTROL IN BROMATE OSCILLATORS .1. THE  
EFFECT OF BROMO-COMPLEX-FORMING METAL-IONS  
JOURNAL OF PHYSICAL CHEMISTRY, 88: 4116-4121 (1984)  
Koryta J
8. THEORY AND APPLICATIONS OF ION-SELECTIVE ELECTRODES .5.  
ANALYTICA CHIMICA ACTA, 159: 1-46 (1984)  
Noszticzius Z, Farkas H, Schelly ZA
- \* 9. EXPLODATOR AND OREGONATOR - PARALLEL AND SERIAL OSCILLATORY  
NETWORKS - A COMPARISON  
REACTION KINETICS AND CATALYSIS LETTERS, 25: 305-311 (1984)  
Noszticzius Z, Farkas H, Schelly ZA
- \* 10. EXPLODATOR - A NEW SKELETON MECHANISM FOR THE HALATE DRIVEN CHEMICAL  
OSCILLATORS  
JOURNAL OF CHEMICAL PHYSICS, 80: 6062-6070 (1984)  
Noyes RM
11. CHEMICAL OSCILLATIONS AND INSTABILITIES .56. AN ALTERNATIVE TO THE  
STOICHIOMETRIC FACTOR IN THE OREGONATOR MODEL  
JOURNAL OF CHEMICAL PHYSICS, 80: 6071-6078 (1984)  
Ruoff P, Schwitters B
12. THEORETICAL-STUDY OF AG+-INDUCED OSCILLATIONS AND EXCITATIONS IN THE  
CLASSICAL HOMOGENEOUS BELOUSOV-ZHABOTINSKY REACTION USING THE  
OREGONATOR MODEL  
JOURNAL OF PHYSICAL CHEMISTRY, 88: 6424-6429 (1984)  
Ruoff P
13. PHASE RESPONSE RELATIONSHIPS OF THE CLOSED BROMIDE-PERTURBED BELOUSOV-  
ZHABOTINSKY REACTION - EVIDENCE OF BROMIDE CONTROL OF THE FREE  
OSCILLATING STATE WITHOUT USE OF A BROMIDE-DETECTING DEVICE  
JOURNAL OF PHYSICAL CHEMISTRY, 88: 2851-2857 (1984)  
Ruoff P
14. OSCILLATION INHIBITION BY BROMIDE-REMOVING REAGENTS NEAR THE  
TRANSITION TO THE EXCITABLE STEADY-STATE IN THE CLOSED STIRRED BELOUSOV-  
ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 88: 1058-1060 (1984)  
Efstathiou CE, Koupparis MA, Hadjiioannou TP
15. APPLICATION OF ION-SELECTIVE ELECTRODES IN REACTION-KINETICS AND KINETIC-  
ANALYSIS  
ION-SELECTIVE ELECTRODE REVIEWS, 7: 203-259 (1985)  
Epstein IR, Kustin K
16. SYSTEMATIC DESIGN OF CHEMICAL OSCILLATORS .27. A MECHANISM FOR  
DYNAMICAL BEHAVIOR IN THE OSCILLATORY CHLORITE IODIDE REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 89: 2275-2282 (1985)  
Farkas H, Noszticzius Z
- \* 17. GENERALIZED LOTKA VOLTERRA SCHEMES AND THE CONSTRUCTION OF TWO-

- DIMENSIONAL EXPLODATOR CORES AND THEIR LIAPUNOV-FUNCTIONS VIA CRITICAL HOPF BIFURCATIONS  
 JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS II, 81: 1487-1505 (1985)
- Farkas H, Noszticzius Z
- \* 18. USE OF LIAPUNOV-FUNCTIONS IN DISSIPATIVE AND EXPLOSIVE MODELS  
 BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 89: 604-605 (1985)
- Field R J
19. Oscillations and Traveling Waves in Chemical Systems  
 Wiley, 1985.
- Forsterling HD, Lamberz HJ, Schreiber H
20. KINETICS OF THE CE-3+/BRO<sub>2</sub>-REACTION IN SULFURIC-ACID MEDIUM  
 ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 40: 368-372 (1985)
- Hourai M, Kotake Y, Kuwata K
21. BIFURCATION STRUCTURE OF THE BELOUSOV-ZHABOTINSKII REACTION IN A STIRRED FLOW REACTOR  
 JOURNAL OF PHYSICAL CHEMISTRY, 89: 1760-1764 (1985)
- Koros E, Varga M, Gyorgyi L
22. THOROUGH STUDY OF BROMIDE CONTROL IN BROMATE OSCILLATORS .1. THE EFFECT OF BROMO-COMPLEX-FORMING METAL-IONS  
 MAGYAR KEMIAI FOLYOIRAT, 91: 248-256 (1985)
- Kuhnert L, Krug HJ, Pohlmann L
23. VELOCITY OF TRIGGER WAVES AND TEMPERATURE-DEPENDENCE OF AUTOWAVE PROCESSES IN THE BELOUSOV-ZHABOTINSKY REACTION  
 JOURNAL OF PHYSICAL CHEMISTRY, 89: 2022-2026 (1985)
- Maritato M, Nikles J, Romsted LS, Tramontin M
24. MICELLAR EFFECTS ON BELOUSOV-ZHABOTINSKY OSCILLATIONS WITH TRIS(2,2'-BIPYRIDYL)RUTHENIUM(II) AS A CATALYST  
 JOURNAL OF PHYSICAL CHEMISTRY, 89: 1341-1344 (1985)
- Noszticzius Z, Gaspar V, Forsterling HD
- \* 25. EXPERIMENTAL TEST FOR THE CONTROL INTERMEDIATE IN THE BELOUSOV-ZHABOTINSKY (BZ) REACTION  
 JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 107: 2314-2315 (1985)
- Ruoff P
26. PHASE RESPONSE RELATIONSHIPS AS AN ANALYTICAL TOOL IN INVESTIGATING CHEMICAL OSCILLATING REACTIONS .1. A CRUCIAL TEST BETWEEN EXPLODATOR AND OREGONATOR-TYPE MODELS DESCRIBING THE AG+-PERTURBED BELOUSOV-ZHABOTINSKY REACTION  
 JOURNAL OF CHEMICAL PHYSICS, 83: 2000-2001 (1985)
- Sevcik P, Adamcikova L
27. BROMINE AND PERIOD OF BELOUSOV-ZHABOTINSKII TYPE OSCILLATION REACTION  
 COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 50: 799-805 (1985)
- Sevcik P, Dubovska J
28. Coll. Czech., 50: 1450 (1985)
- Ariese F, Nagy Z
29. THE BROMIDE BROMOUS ACID REACTION - SWITCH-CONTROLLING STEP OF THE BELOUSOV-ZHABOTINSKII OSCILLATING SYSTEM  
 JOURNAL OF PHYSICAL CHEMISTRY, 90: 1496-1498 (1986)
- Ariese F, Ungvarainagy Z
30. THE DISPROPORTIONATION OF HBRO<sub>2</sub>, KEY SPECIES OF THE BELOUSOV-ZHABOTINSKII OSCILLATING REACTION  
 JOURNAL OF PHYSICAL CHEMISTRY, 90: 1-4 (1986)
- Choi QW, Chung KH
31. KINETICS AND MECHANISM OF N-2H-4-KBRO-3 REACTION IN THE PRESENCE OF



- ALLYL ALCOHOL  
BULLETIN OF THE KOREAN CHEMICAL SOCIETY, 7: 462-465 (1986)
- Citri O, Epstein IR  
32. SYSTEMATIC DESIGN OF CHEMICAL OSCILLATORS .33. MECHANISM FOR THE  
OSCILLATORY BROMATE IODIDE REACTION  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 108: 357-363 (1986)
- Field RJ, Forsterling HD  
33. ON THE OXYBROMINE CHEMISTRY RATE CONSTANTS WITH CERIUM IONS IN THE  
FIELD-KOROS-NOYES MECHANISM OF THE BELOUSOV-ZHABOTINSKII REACTION -  
THE EQUILIBRIUM  $\text{HBRO}_2 + \text{BRO}_3 + \text{H}^+ \rightleftharpoons \text{REVERSIBLE} \text{-} 2\text{BRO}_2 + \text{H}_2\text{O}$   
JOURNAL OF PHYSICAL CHEMISTRY, 90: 5400-5407 (1986)
- McKinnon CK, Field RJ  
34. CONTINUOUSLY STIRRED TANK REACTOR BISTABILITY IN THE BELOUSOV-  
ZHABOTINSKII REACTION - OREGONATOR AND EXPLODATOR MODELS  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 166-168 (1986)
- Noyes RM  
35. CHEMICAL OSCILLATIONS AND INSTABILITIES .71. COMPARISON OF THE FIELD-  
KOROS-NOYES AND FIELD-FORSTERLING PARAMETERIZATIONS OF THE BROMATE  
CEROUS REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 5407-5409 (1986)
- Schwitters B, Ruoff P  
36. SIMULATION OF BROMATE-DRIVEN OSCILLATIONS IN THE PRESENCE OF EXCESS  
SILVER IONS USING THE OREGONATOR MODEL  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 2497-2501 (1986)
- Simoyi RH, Masvikeni P, Sikosana A  
37. COMPLEX KINETICS IN THE BROMATE IODIDE REACTION - A CLOCK REACTION-  
MECHANISM  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 4126-4131 (1986)
- Vidal C, Hanusse P  
38. NONEQUILIBRIUM BEHAVIOR IN ISOTHERMAL LIQUID CHEMICAL-SYSTEMS  
INTERNATIONAL REVIEWS IN PHYSICAL CHEMISTRY, 5: 1-55 (1986)
- Argoul F, Arneodo A, Richetti P  
39. SYMBOLIC DYNAMICS IN THE BELOUSOV-ZHABOTINSKII REACTION - AN  
EXPERIMENTAL AND THEORETICAL APPROACH OF SHILNIKOV HOMOCLINIC CHAOS  
JOURNAL DE CHIMIE PHYSIQUE ET DE PHYSICO-CHIMIE BIOLOGIQUE, 84: 1367-1385  
(1987)
- Citri O, Epstein IR  
40. SYSTEMATIC DESIGN OF CHEMICAL OSCILLATORS .42. DYNAMIC BEHAVIOR IN THE  
CHLORITE IODIDE REACTION - A SIMPLIFIED MECHANISM  
JOURNAL OF PHYSICAL CHEMISTRY, 91: 6034-6040 (1987)
- Furrow S  
41. REACTIONS OF IODINE INTERMEDIATES IN IODATE HYDROGEN-PEROXIDE  
OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 91: 2129-2135 (1987)
- Györgyi L, Deutsch T, Kőrös E  
42. Int J. Chem. K., 19: 35 (1987)
- Schmitz G  
43. KINETICS OF THE BRAY REACTION  
JOURNAL DE CHIMIE PHYSIQUE ET DE PHYSICO-CHIMIE BIOLOGIQUE, 84: 957-965  
(1987)
- Balasubramanian PN, Pillai GC, Carlson RR, Linn de, Gould ES  
44. ELECTRON-TRANSFER .90. FURTHER OXIDATIONS OF VITAMIN-B12R (COB(II)ALAMIN)  
INORGANIC CHEMISTRY, 27: 780-783 (1988)
- Forsterling HD, Schreiber H  
45. REACTION OF BROMOUS ACID WITH BROMIDE IN THE PRESENCE OF SILVER IONS  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 43: 956-

- 960 (1988)  
Noszticzius Z, McCormick WD  
ESTIMATION OF THE RATE-CONSTANT OF THE  $AG^+ + BR^- \rightarrow JAGBR$  REACTION - THE
- \* 46. POSSIBILITY OF NON-BROMIDE-CONTROLLED OSCILLATIONS IN THE BELOUSOV-ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 92: 374-376 (1988)
- Sasaki Y  
BISTABILITY AND OSCILLATIONS IN THE BROMATE BROMIDE CERIUM(III) SYSTEM IN
47. CONTINUOUS-FLOW STIRRED TANK REACTOR - A SIMULATION USING A NEW SET OF RATE CONSTANTS OF THE FKN SCHEME  
BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN, 61: 4071-4075 (1988)
- Schmitz G, Rooze H  
REACTION-MECHANISMS FOR CHLORITE AND CHLORINE DIOXIDE .6. KINETICS AND
48. MECHANISMS OF BROMATE-CHLORITE AND BROMATE- CHLORINE-DIOXIDE REACTIONS  
CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE, 66: 231-235 (1988)
- Forsterling HD, Muranyi S, Schreiber H  
RATE OF THE BROMOUS ACID BROMIDE REACTION MEASURED IN A BR-2- HOBR
49. BUFFER SYSTEM IN SULFURIC-ACID SOLUTION  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 44: 555-566 (1989)
- Forsterling HD, Noszticzius Z
- \* 50. AN ADDITIONAL NEGATIVE FEEDBACK LOOP IN THE CLASSICAL BELOUSOV-ZHABOTINSKY REACTION - MALONYL RADICAL AS A 2ND CONTROL INTERMEDIATE  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2740-2748 (1989)
- Hansen EW, Ruoff P
51. DETERMINATION OF ENOLIZATION RATES AND OVERALL STOICHIOMETRY FROM H-1-NMR RECORDS OF THE METHYLMALONIC ACID BELOUSOV- ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2696-2704 (1989)
- Jwo JJ, Chang EF
52. KINETIC-STUDY OF THE INITIAL PHASE OF THE UNCATALYZED OSCILLATORY REACTION OF POTASSIUM BROMATE AND GALLIC ACID  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2388-2392 (1989)
- Levason W, Ogden JS, Spicer MD, Webster M, Young NA
53. CHARACTERIZATION OF SODIUM BROMITE BY X-RAY CRYSTALLOGRAPHY AND BROMINE K-EDGE EXAFS, IR, RAMAN, AND NMR SPECTROSCOPIES  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 111: 6210-6212 (1989)
- Noszticzius Z, McCormick WD, Swinney HL
- \* 54. USE OF BIFURCATION DIAGRAMS AS FINGERPRINTS OF CHEMICAL MECHANISMS  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2796-2800 (1989)
- Noyes RM, Field RJ, Forsterling HD, Koros E, Ruoff P
55. CONTROVERSIAL INTERPRETATIONS OF  $AG^+$  PERTURBATION OF THE BELOUSOV-ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 270-274 (1989)
- Ruoff P, Vestvik J
56. POTENTIOMETRIC AND SPECTROPHOTOMETRIC STUDIES OF THE SILVER BROMIDE REACTION IN 1-M SULFURIC-ACID AND ITS RELEVANCE TO SILVER ION PERTURBED BROMATE-DRIVEN OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 7798-7801 (1989)
- Weiner J, Schneider FW, Bareli K
57. DELAYED-OUTPUT-CONTROLLED CHEMICAL OSCILLATIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2704-2711 (1989)
- Yin L, Epstein IR
58. SYSTEMATIC DESIGN OF CHEMICAL OSCILLATORS .46. ALTERNATIVE FEEDBACK PATHWAY IN THE MIXED LANDOLT CHEMICAL OSCILLATOR

- JOURNAL OF PHYSICAL CHEMISTRY, 93: 1398-1401 (1989)  
Bareli K, Field RJ
59. SIMULATION OF THE MINIMAL BRO<sub>3</sub>- CONTINUOUS-FLOW STIRRED TANK REACTOR  
OSCILLATOR ON THE BASIS OF A REVISED SET OF RATE CONSTANTS  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 3660-3663 (1990)  
Forsterling HD, Muranyi S, Noszticzius Z
- \* 60. EVIDENCE OF MALONYL RADICAL CONTROLLED OSCILLATIONS IN THE BELOUSOV-  
ZHABOTINSKY REACTION (MALONIC ACID-BROMATE-CERIUM SYSTEM)  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 2915-2921 (1990)  
Gyorgyi L, Turanyi T, Field RJ
61. MECHANISTIC DETAILS OF THE OSCILLATORY BELOUSOV-ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 7162-7170 (1990)  
Krug HJ, Pohlmann L, Kuhnert L
62. ANALYSIS OF THE MODIFIED COMPLETE OREGONATOR ACCOUNTING FOR OXYGEN  
SENSITIVITY AND PHOTOSENSITIVITY OF BELOUSOV-ZHABOTINSKY SYSTEMS  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 4862-4866 (1990)  
Levason W, Ogden JS, Spicer MD, Young NA
63. CHARACTERIZATION OF THE OXO-ANIONS OF BROMINE BRO<sub>X</sub>- (X = 1-4) BY  
INFRARED, RAMAN, NUCLEAR MAGNETIC-RESONANCE, AND BROMINE K- EDGE  
EXTENDED X-RAY ABSORPTION FINE-STRUCTURE TECHNIQUES  
JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS: 349-353 (1990)  
Zhuravlev AI, Trainin VM
64. CHEMILUMINESCENT REACTIONS IN THE BELOUSOV-ZHABOTINSKII OSCILLATING  
SYSTEM  
JOURNAL OF BIOLUMINESCENCE AND CHEMILUMINESCENCE, 5: 227-234 (1990)  
Jhani A K, Gould E S
65. Int.J.Chem.Kin., 23: 229 (1991)  
Kovalenko AS, Moshkovich FS, Tikhonova LP, Khutsishvili AN, Davtyan EV
66. USE OF BROMIDE-SELECTIVE ELECTRODES FOR THE DETERMINATION OF BROMIDE IN  
THE PRESENCE OF BROMATE  
JOURNAL OF ANALYTICAL CHEMISTRY OF THE USSR, 46: 955-961 (1991)  
Noszticzius Z, Bodnar Z, Garamszegi L, Wittmann M
- \* 67. HYDRODYNAMIC TURBULENCE AND DIFFUSION-CONTROLLED REACTIONS -  
SIMULATION OF THE EFFECT OF STIRRING ON THE OSCILLATING BELOUSOV-  
ZHABOTINSKY REACTION WITH THE RADICALATOR MODEL  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 6575-6580 (1991)  
Olsen RJ, Epstein IR
68. BIFURCATION-ANALYSIS OF CHEMICAL-REACTION MECHANISMS .1. STEADY-STATE  
BIFURCATION STRUCTURE  
JOURNAL OF CHEMICAL PHYSICS, 94: 3083-3095 (1991)  
Ruoff P, Forsterling HD, Gyorgyi L, Noyes RM
69. BROMOUS ACID PERTURBATIONS IN THE BELOUSOV-ZHABOTINSKY REACTION -  
EXPERIMENTS AND MODEL-CALCULATIONS OF PHASE RESPONSE CURVES  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 9314-9320 (1991)  
Faria RD, Epstein IR, Kustin K
70. SYSTEMATIC DESIGN OF CHEMICAL OSCILLATORS .81. THE BROMITE- IODIDE CLOCK  
REACTION  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 114: 7164-7171 (1992)  
Muranyi S, Noszticzius Z
- \* 71. ON THE PROBLEM OF BROMIDE CONTROL IN A TL<sub>3</sub>+PERTURBED BELOUSOV-  
ZHABOTINSKY OSCILLATOR  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 47: 605-  
613 (1992)  
Noszticzius Z, Qi OY, McCormick WD, Swinney HL
- \* 72. LONG-LIVED OSCILLATIONS IN THE CHLORITE IODIDE MALONIC-ACID REACTION IN  
BATCH

- JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 114: 4290-4295 (1992)  
Arneodo A, Argoul F, Elezgaray J, Richetti P
73. HOMOCLINIC CHAOS IN CHEMICAL-SYSTEMS  
PHYSICA D, 62: 134-169 (1993)  
Faria RD, Lengyel I, Epstein IR, Kustin K
74. COMBINED MECHANISM EXPLAINING NONLINEAR DYNAMICS IN BROMINE(III) AND BROMINE(V) OXIDATIONS OF IODIDE-ION  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 1164-1171 (1993)  
Forsterling HD, Varga M
75. HBRO<sub>2</sub>/CE<sub>4</sub><sup>+</sup> REACTION AND HBRO<sub>2</sub> DISPROPORTIONATION MEASURED IN SULFURIC-ACID-SOLUTION AT DIFFERENT ACIDITIES  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 7932-7938 (1993)  
Vukojevic V, Sorensen PG, Hynne F
76. QUENCHING ANALYSIS OF THE BRIGGS-RAUSCHER REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 4091-4100 (1993)  
Faria RD, Epstein IR, Kustin K
77. KINETICS OF DISPROPORTIONATION AND PK(A) OF BROMOUS ACID  
JOURNAL OF PHYSICAL CHEMISTRY, 98: 1363-1367 (1994)  
Faria RD
78. INTRODUCTION TO OSCILLATING CHEMICAL-SYSTEMS  
QUIMICA NOVA, 18: 281-294 (1995)  
Gao Y, Forsterling HD
79. OSCILLATIONS IN THE BROMOMALONIC ACID/BROMATE SYSTEM CATALYZED BY [RU(BIPY)<sub>3</sub>](<sup>2+</sup>)  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 8638-8644 (1995)  
Stemwedel JD, Ross J
80. NEW MEASUREMENTS ON THE CHLORITE IODIDE REACTION AND DEDUCTION OF ROLES OF SPECIES AND CATEGORIZATION  
JOURNAL OF PHYSICAL CHEMISTRY, 99: 1988-1994 (1995)  
Lengyel I, Li J, Kustin K, Epstein IR
81. Rate constants for reactions between iodine- and chlorine- containing species: A detailed mechanism of the chlorine dioxide/chlorite-iodide reaction  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 118: 3708-3719 (1996)  
Beckwith RC, Margerum DW
82. Kinetics of hypobromous acid disproportionation  
INORGANIC CHEMISTRY, 36: 3754-3760 (1997)  
Stanisavljev D
83. Consideration of the thermodynamic stability of iodine species in the Bray-Liebafsky reaction  
BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 101: 1036-1039 (1997)  
Urbansky ET, Cooper BT, Margerum DW
84. Disproportionation kinetics of hypoiodous acid as catalyzed and suppressed by acetic acid-acetate buffer  
INORGANIC CHEMISTRY, 36: 1338-1344 (1997)  
Volford A, Wittmann M, Marlovits G, Noszticzius Z, Gaspar V
- \* 85. Platinum as a chlorine dioxide chlorite redox electrode in ClO<sub>2</sub>-based oscillating reactions and a new semibatch oscillator: The ClO<sub>2</sub>-acetone system with I<sup>-</sup> inflow  
JOURNAL OF PHYSICAL CHEMISTRY B, 101: 3720-3726 (1997)  
Furman CS, Margerum DW
86. Mechanism of chlorine dioxide and chlorate ion formation from the reaction of hypobromous acid and chlorite ion  
INORGANIC CHEMISTRY, 37: 4321-4327 (1998)  
Stanisavljev D, Begovic N, Zujovic Z, Vucelic D, Bacic G
87. H-1 NMR monitoring of water behavior during the Bray-Liebafsky oscillatory reaction  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 6883-6886 (1998)
88. Evans CM, Findley GL

- Analytic solutions to a family of Lotka-Volterra related differential equations  
 JOURNAL OF MATHEMATICAL CHEMISTRY, 25: 181-189 (1999)
- Vukojevic VB, Pejic ND, Stanisavljev DR, Anic SR, Kolar Anic LZ
89. Determination of Cl<sup>-</sup>, Br<sup>-</sup>, I<sup>-</sup>, Mn<sup>2+</sup>, malonic acid and quercetin by perturbation of a non-equilibrium stationary state in the Bray-Liebhafsky reaction  
 ANALYST, 124: 147-152 (1999)
- Schmitz G
90. Kinetics of the Dushman reaction at low I<sup>-</sup> concentrations  
 PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 4041-4044 (2000)
- Sevcik P, Kissimonova K, Adamcikova L
91. Oxygen production in the oscillatory Bray-Liebhafsky reaction  
 JOURNAL OF PHYSICAL CHEMISTRY A, 104: 3958-3963 (2000)
- Hegedus L, Wittmann M, Noszticzius Z, Yan SH, Sirimungkala A, Forsterling HD, Field RJ
- \* 92. HPLC analysis of complete BZ systems. Evolution of the chemical composition in cerium and ferroin catalysed batch oscillators: experiments and model calculations  
 FARADAY DISCUSSIONS, 120: 21-38 (2001)
- Furrow SD, Cervellati R, Amadori G
93. New substrates for the oscillating Briggs-Rauscher reaction  
 JOURNAL OF PHYSICAL CHEMISTRY A, 106: 5841-5850 (2002)
- Markovic S, Rakicevic N, Misljenovic D
94. The temperature dependence of the disproportionation reaction of iodous acid in aqueous sulfuric acid solutions  
 JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, 67: 347-351 (2002)
- Vukojevic V, Anic S, Kolar Anic L
95. Investigation of dynamic behavior of the Bray-Liebhafsky reaction in the CSTR. Properties of the system examined by pulsed perturbations with I  
 PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1276-1283 (2002)
- Wang L, Margerum DW
96. Hypohalite ion catalysis of the disproportionation of chlorine dioxide  
 INORGANIC CHEMISTRY, 41: 6099-6105 (2002)
97. Wang L, Nicoson JS, Hartz Keh, Francisco JS, Margerum DW  
 Bromite ion catalysis of the disproportionation of chlorine dioxide with nucleophile assistance of electron-transfer reactions between ClO<sub>2</sub> and BrO<sub>2</sub> in basic solution  
 INORGANIC CHEMISTRY, 41: 108-113 (2002)
98. Toth Z, Fabian L  
[Oxidation of chlorine\(III\) by hypobromous acid: Kinetics and mechanism](#)  
 INORGANIC CHEMISTRY 43 (8): 2717-2723 APR 19 2004
99. Odeh IN, Nicoson JS, Hartz KEH, et al.  
[Kinetics and mechanisms of bromine chloride reactions with bromite and chlorite ions](#)  
 INORGANIC CHEMISTRY 43 (23): 7412-7420 NOV 15 2004
- 1982
- Schubert A, Noszticzius Z, Patonay G, Haskó T
- 83 Transfer of organic molecules through aqueous layers mediated by CD-s and CD-derivatives  
 In: Szejtli J (ed.) 8. Int. Symp. On Cyclodextrines, Budapest, 1981, Budapest: Akadémiai Kiadó, 1982. pp. 195-205
- Pálmai G, Oláh K, Noszticzius Z
- 84 STUDIES ON THE GAS-PERMEABILITY OF POLYMER MEMBRANES USING A FLAME IONIZATION DETECTOR .2  
 MAGY KÉM FOLY 88: 202-210 (1982)  
 IF: 0.235
- Noszticzius Z et al
- Gas Producing Electrolytic Cell for Portable Devices
- 85 Lajstromszám:4.332.664.  
 Közzététel éve:1982  
 Benyújtás helye:Egyesült Államok

Noszticzius Z, Noszticzius E, Schelly ZA  
ON THE USE OF ION-SELECTIVE ELECTRODES FOR MONITORING OSCILLATING REACTIONS  
.1. POTENTIAL RESPONSE OF THE SILVER- HALIDE MEMBRANE ELECTRODES TO  
HYPOHALOUS ACIDS  
J AM CHEM SOC 104: 6194-6199 (1982)  
IF: 4.719

Független idéző: 46 Függo idéző: 12 Összesen: 58

1.Gurel D, Gurel O  
RECENT DEVELOPMENTS IN CHEMICAL OSCILLATIONS  
TOPICS IN CURRENT CHEMISTRY, 118: 75-118 (1983)

\*2.Noszticzius Z, Noszticzius E, Schelly ZA  
ON THE USE OF ION-SELECTIVE ELECTRODES FOR MONITORING OSCILLATING  
REACTIONS .2. POTENTIAL RESPONSE OF BROMIDE- SELECTIVE AND IODIDE-SELECTIVE  
ELECTRODES IN SLOW CORROSIVE PROCESSES - DISPROPORTIONATION OF BROMOUS  
AND IODOUS ACIDS - A LOTKA-VOLTERRA MODEL FOR THE HALATE DRIVEN  
OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 87: 510-524 (1983)

3.Hatch GL  
HYPOIODOUS ACID, IODINE, AND IODIDE DETERMINATION WITH LEUCO CRYSTAL  
VIOLET AND N-CHLOROSUCCINIMIDE SUCCINIMIDE REAGENTS  
ANALYTICAL CHEMISTRY, 56: 2238-2241 (1984)

4.Kertesz V  
GLOBAL MATHEMATICAL-ANALYSIS OF THE EXPLODATOR  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, 8: 941-961 (1984)

5.Koros E, Varga M, Gyorgyi L  
THOROUGH STUDY OF BROMIDE CONTROL IN BROMATE OSCILLATORS .1. THE EFFECT  
OF BROMO-COMPLEX-FORMING METAL-IONS  
JOURNAL OF PHYSICAL CHEMISTRY, 88: 4116-4121 (1984)

86 6.Koryta J  
THEORY AND APPLICATIONS OF ION-SELECTIVE ELECTRODES .5.  
ANALYTICA CHIMICA ACTA, 159: 1-46 (1984)

\*7.Noszticzius Z, Farkas H, Schelly ZA  
EXPLODATOR - A NEW SKELETON MECHANISM FOR THE HALATE DRIVEN CHEMICAL  
OSCILLATORS  
JOURNAL OF CHEMICAL PHYSICS, 80: 6062-6070 (1984)

8.Ruoff P, Schwitters B  
THEORETICAL-STUDY OF  $Ag^{+}$ -INDUCED OSCILLATIONS AND EXCITATIONS IN THE  
CLASSICAL HOMOGENEOUS BELOUSOV-ZHABOTINSKY REACTION USING THE  
OREGONATOR MODEL  
JOURNAL OF PHYSICAL CHEMISTRY, 88: 6424-6429 (1984)

9.Ruoff P  
PHASE RESPONSE RELATIONSHIPS OF THE CLOSED BROMIDE-PERTURBED BELOUSOV-  
ZHABOTINSKY REACTION - EVIDENCE OF BROMIDE CONTROL OF THE FREE  
OSCILLATING STATE WITHOUT USE OF A BROMIDE-DETECTING DEVICE  
JOURNAL OF PHYSICAL CHEMISTRY, 88: 2851-2857 (1984)

10.Cooke DO  
OBSERVATIONS ON THE ACETONE-MALONIC ACID MIXED SUBSTRATE HYDROGEN  
PEROXIDE IODATE-MANGANESE(II) OSCILLATING SYSTEM  
REACTION KINETICS AND CATALYSIS LETTERS, 27: 379-385 (1985)

11.Efstathiou CE, Koupparis MA, Hadjiioannou TP  
APPLICATION OF ION-SELECTIVE ELECTRODES IN REACTION-KINETICS AND KINETIC-  
ANALYSIS  
ION-SELECTIVE ELECTRODE REVIEWS, 7: 203-259 (1985)

12.Epstein IR, Kustin K  
SYSTEMATIC DESIGN OF CHEMICAL OSCILLATORS .27. A MECHANISM FOR DYNAMICAL  
BEHAVIOR IN THE OSCILLATORY CHLORITE IODIDE REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 89: 2275-2282 (1985)



13. Field R J  
Oscillations and Traveling Waves in Chemical Systems  
Wiley, 1985.
14. Hourai M, Kotake Y, Kuwata K  
BIFURCATION STRUCTURE OF THE BELOUSOV-ZHABOTINSKII REACTION IN A STIRRED FLOW REACTOR  
JOURNAL OF PHYSICAL CHEMISTRY, 89: 1760-1764 (1985)
15. Koros E, Varga M, Gyorgyi L  
THOROUGH STUDY OF BROMIDE CONTROL IN BROMATE OSCILLATORS .1. THE EFFECT OF BROMO-COMPLEX-FORMING METAL-IONS  
MAGYAR KEMIAI FOLYOIRAT, 91: 248-256 (1985)
16. Kuhnert L, Krug HJ, Pohlmann L  
VELOCITY OF TRIGGER WAVES AND TEMPERATURE-DEPENDENCE OF AUTOWAVE PROCESSES IN THE BELOUSOV-ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 89: 2022-2026 (1985)
17. Maritato M, Nikles J, Romsted L S, Tramonti M  
J. Phys. Chem. L., 89/8: 1341-1344 (1985)
- \*18. Noszticzius Z, Gaspar V, Forsterling HD  
EXPERIMENTAL TEST FOR THE CONTROL INTERMEDIATE IN THE BELOUSOV-ZHABOTINSKY (BZ) REACTION  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 107: 2314-2315 (1985)
19. Ruoff P  
PHASE RESPONSE RELATIONSHIPS AS AN ANALYTICAL TOOL IN INVESTIGATING CHEMICAL OSCILLATING REACTIONS .1. A CRUCIAL TEST BETWEEN OREGONATOR AND OREGONATOR-TYPE MODELS DESCRIBING THE AG+-PERTURBED BELOUSOV-ZHABOTINSKY REACTION  
JOURNAL OF CHEMICAL PHYSICS, 83: 2000-2001 (1985)
20. Sevcik P, Adamcikova L  
BROMINE AND PERIOD OF BELOUSOV-ZHABOTINSKII TYPE OSCILLATION REACTION  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 50: 799-805 (1985)
21. Ariese F, Nagy Z  
THE BROMIDE BROMOUS ACID REACTION - SWITCH-CONTROLLING STEP OF THE BELOUSOV-ZHABOTINSKII OSCILLATING SYSTEM  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 1496-1498 (1986)
22. Ariese F, Ungvarainagy Z  
THE DISPROPORTIONATION OF HBRO<sub>2</sub>, KEY SPECIES OF THE BELOUSOV-ZHABOTINSKII OSCILLATING REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 1-4 (1986)
23. Gratzl M, Komives J, Gryzelko L, Toth K, Pungor E  
REACTIVE ION-SELECTIVE ELECTRODES .3. STUDY OF SURFACE- MORPHOLOGY AND LIFE TIME - FAVORABLE REGION OF MEMBRANE COMPOSITIONS  
MAGYAR KEMIAI FOLYOIRAT, 92: 71-75 (1986)
24. Menzinger M, Boukalouch M, Dekepper P, Boissonade J, Roux JC, Saadaoui H  
DYNAMIC CONSEQUENCES OF NONIDEAL MIXING IN CONTINUOUSLY STIRRED TANK REACTOR STUDIES OF CHEMICAL INSTABILITIES - COMPARATIVE STIRRING EFFECTS OF PREMIXED AND NONPREMIXED FEEDS ON THE BISTABLE CLO<sub>2</sub>-+I-REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 313-315 (1986)
25. Schwitters B, Ruoff P  
SIMULATION OF BROMATE-DRIVEN OSCILLATIONS IN THE PRESENCE OF EXCESS SILVER IONS USING THE OREGONATOR MODEL  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 2497-2501 (1986)
- \*26. Noszticzius Z, McCormick WD  
A QUANTITATIVE AND COMPARATIVE-STUDY ON SILVER ION PERTURBED BELOUSOV-ZHABOTINSKY SYSTEMS - COMMENT  
JOURNAL OF PHYSICAL CHEMISTRY, 91: 4430-4431 (1987)
- \*27. Noszticzius Z, Wittmann M, Stirling P

BIFURCATION FROM EXCITABILITY TO LIMIT-CYCLE OSCILLATIONS AT THE END OF THE INDUCTION PERIOD IN THE CLASSICAL BELOUSOV- ZHABOTINSKY REACTION  
JOURNAL OF CHEMICAL PHYSICS, 86: 1922-1926 (1987)

28.Petropavlovskii ME, Demidov AI, Morachevskii AG  
CATHODIC PROCESSES ON A PYROLYTIC-GRAPHITE ELECTRODE IN SOLUTIONS OF THE HIO<sub>3</sub>-H<sub>2</sub>O SYSTEM  
JOURNAL OF APPLIED CHEMISTRY OF THE USSR, 60: 1828-1830 (1987)

29.Schmitz G  
KINETICS OF THE BRAY REACTION  
JOURNAL DE CHIMIE PHYSIQUE ET DE PHYSICO-CHIMIE BIOLOGIQUE, 84: 957-965 (1987)

30.Kshirsagar G, Field RJ  
A KINETIC AND THERMODYNAMIC STUDY OF COMPONENT PROCESSES IN THE EQUILIBRIUM 5HOBR-REVERSIBLE-2BR<sub>2</sub>+BRO<sub>3</sub>-+2H<sub>2</sub>O+H<sup>+</sup>  
JOURNAL OF PHYSICAL CHEMISTRY, 92: 7074-7079 (1988)

\*31.Forsterling HD, Noszticzius Z  
AN ADDITIONAL NEGATIVE FEEDBACK LOOP IN THE CLASSICAL BELOUSOV-ZHABOTINSKY REACTION - MALONYL RADICAL AS A 2ND CONTROL INTERMEDIATE  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2740-2748 (1989)

32.Jwo JJ, Chang EF  
KINETIC-STUDY OF THE INITIAL PHASE OF THE UNCATALYZED OSCILLATORY REACTION OF POTASSIUM BROMATE AND GALLIC ACID  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2388-2392 (1989)

33.Moskvin LN, Golikov DV, Nikonorov VV  
ANALYTICAL INFORMATIVENESS OF KINETIC-PARAMETERS OF THE BELOUSOV-ZHABOTINSKII OSCILLATING REACTION  
JOURNAL OF ANALYTICAL CHEMISTRY OF THE USSR, 44: 1404-1408 (1989)

\*34.Noszticzius Z, McCormick WD, Swinney HL  
USE OF BIFURCATION DIAGRAMS AS FINGERPRINTS OF CHEMICAL MECHANISMS  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2796-2800 (1989)

35.Forsterling HD, Muranyi S  
CONTRIBUTION OF MALONYL RADICAL CONTROL IN THE CLASSICAL BELOUSOV-ZHABOTINSKY REACTION  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 45: 1259-1266 (1990)

\*36.Forsterling HD, Muranyi S, Noszticzius Z  
EVIDENCE OF MALONYL RADICAL CONTROLLED OSCILLATIONS IN THE BELOUSOV-ZHABOTINSKY REACTION (MALONIC ACID-BROMATE-CERIUM SYSTEM)  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 2915-2921 (1990)

37.Kuhnert L, Krug HJ  
SEVERAL TYPES OF OSCILLATIONS IN THE ACIDIC BROMATE CHROMOTROPIC-ACID REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 678-686 (1990)

38.Kovalenko AS, Moshkovich FS, Tikhonova LP, Khutsishvili AN, Davtyan EV  
USE OF BROMIDE-SELECTIVE ELECTRODES FOR THE DETERMINATION OF BROMIDE IN THE PRESENCE OF BROMATE  
JOURNAL OF ANALYTICAL CHEMISTRY OF THE USSR, 46: 955-961 (1991)

39.Dolnik M, Epstein IR  
EXCITABILITY AND BURSTING IN THE CHLORINE DIOXIDE IODIDE REACTION IN A FORCED OPEN SYSTEM  
JOURNAL OF CHEMICAL PHYSICS, 97: 3265-3273 (1992)

40.Lengyel I, Li J, Epstein IR  
SYSTEMATIC DESIGN OF CHEMICAL OSCILLATORS .82. DYNAMIC STUDY OF THE CHLORINE DIOXIDE IODIDE OPEN SYSTEM OSCILLATOR  
JOURNAL OF PHYSICAL CHEMISTRY, 96: 7032-7037 (1992)

\*41.Muranyi S, Noszticzius Z  
ON THE PROBLEM OF BROMIDE CONTROL IN A TL<sub>3</sub>-PERTURBED BELOUSOV-

## ZHABOTINSKY OSCILLATOR

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 47: 605-613 (1992)

\*42.Noszticzius Z, Qi OY, McCormick WD, Swinney HL

LONG-LIVED OSCILLATIONS IN THE CHLORITE IODIDE MALONIC-ACID REACTION IN BATCH

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 114: 4290-4295 (1992)

43.Vukojevic V, Sorensen PG, Hynne F

QUENCHING ANALYSIS OF THE BRIGGS-RAUSCHER REACTION

JOURNAL OF PHYSICAL CHEMISTRY, 97: 4091-4100 (1993)

44.Gao Y, Forsterling HD

OSCILLATIONS IN THE BROMOMALONIC ACID/BROMATE SYSTEM CATALYZED BY [RU(BIPY)(3)](2+)

JOURNAL OF PHYSICAL CHEMISTRY, 99: 8638-8644 (1995)

45.Reddy Mkr, Szlavik Z, Nagyungvarai Z, Muller SC

INFLUENCE OF LIGHT ON THE INORGANIC PART OF THE RUTHENIUM- CATALYZED BELOUSOV-ZHABOTINSKY REACTION

JOURNAL OF PHYSICAL CHEMISTRY, 99: 15081-15085 (1995)

46.Stemwedel JD, Ross J

NEW MEASUREMENTS ON THE CHLORITE IODIDE REACTION AND DEDUCTION OF ROLES OF SPECIES AND CATEGORIZATION

JOURNAL OF PHYSICAL CHEMISTRY, 99: 1988-1994 (1995)

47.Chase MW

NIST-JANAF thermochemical tables for the iodine oxides

JOURNAL OF PHYSICAL AND CHEMICAL REFERENCE DATA, 25: 1297-1340 (1996)

48.Urbansky ET, Cooper BT, Margerum DW

Disproportionation kinetics of hypoiodous acid as catalyzed and suppressed by acetic acid-acetate buffer

INORGANIC CHEMISTRY, 36: 1338-1344 (1997)

\*49.Volford A, Wittmann M, Marlovits G, Noszticzius Z, Gaspar V

Platinum as a chlorine dioxide chlorite redox electrode in ClO<sub>2</sub>-based oscillating reactions and a new semibatch oscillator: The ClO<sub>2</sub>-acetone system with I<sup>-</sup> inflow

JOURNAL OF PHYSICAL CHEMISTRY B, 101: 3720-3726 (1997)

50.Benini O, Cervellati R, Fetto P

Experimental and mechanistic study of the bromomalonic acid bromate oscillating system catalyzed by [Fe(phen)(3)](2+)

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 30: 291-300 (1998)

51.Cantrel L, Fulconis JM, Chopin Dumas J

Voltammetric analysis of iodide and diffusion coefficients between 25 and 85 degrees C

JOURNAL OF SOLUTION CHEMISTRY, 27: 373-393 (1998)

52.Epstein I R Pojman J A

AN INTRODUCTION TO NONLINEAR CHEMICAL DYNAMICS

New York: Oxford University Press, 1998.

53.Vukojevic VB, Pejic ND, Stanisavljev DR, Anic SR, Kolar Anic LZ

Determination of Cl<sup>-</sup>, Br<sup>-</sup>, I<sup>-</sup>, Mn<sup>2+</sup>, malonic acid and quercetin by perturbation of a non-equilibrium stationary state in the Bray-Liebafsky reaction

ANALYST, 124: 147-152 (1999)

54.Schmitz G

Kinetics of the Dushman reaction at low I<sup>-</sup> concentrations

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 4041-4044 (2000)

55.Sevcik P, Kissimonova K, Adamcikova L

Oxygen production in the oscillatory Bray-Liebafsky reaction

JOURNAL OF PHYSICAL CHEMISTRY A, 104: 3958-3963 (2000)

\*56.Hegedus L, Wittmann M, Noszticzius Z, Yan SH, Sirimungkala A, Forsterling HD, Field RJ

HPLC analysis of complete BZ systems. Evolution of the chemical composition in cerium and ferriin catalysed batch oscillators: experiments and model calculations

FARADAY DISCUSSIONS, 120: 21-38 (2001)

57. Vukojevic V, Anic S, Kolar Anic L  
Investigation of dynamic behavior of the Bray-Liebhafsky reaction in the CSTR. Properties of the system examined by pulsed perturbations with I  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 4: 1276-1283 (2002)
58. Wachsmuth M, Gaggeler HW, von Glasow R, Ammann M  
Accommodation coefficient of HOBr on deliquescent sodium bromide aerosol particles  
ATMOSPHERIC CHEMISTRY AND PHYSICS, 2: 121-131 (2002)
59. Kumli PI, Burger M, Hauser MJB, et al.  
[Oscillations in the Belousov-Zhabotinsky reaction with sorbitol in the presence of bromine](#)  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS 5 (24): 5454-5458 DEC 15 2003
- \*60. Pelle K, Wittmann M, Lovrics K, et al.  
[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub><sup>-</sup> with oxalic acid](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004
61. Alves WA, Cortes CES, Faria RB  
[Formation of high concentrations of BrO<sub>2</sub> in acidic bromate solutions](#)  
INORGANIC CHEMISTRY 43 (14): 4112-4114 JUL 12 2004

Noszticzus Z, Feller A  
ON THE APPLICABILITY OF THE LOTKA-VOLTERRA SCHEME FOR DIFFERENT TYPES OF THE  
BELOUSOV-ZHABOTINSKII REACTION  
ACTA CHIM ACAD SCI HUNG 110: 261-275 (1982)  
IF: 0.398

Független idéző: 10

1. Gurel D, Gurel O  
T. Curr. Chem. R., 118: 75 (1983)
2. Ruoff P  
Z. Naturforsch., 38A: 974 (1983)
3. Gánti T  
React. Kinet. Catal. Lett., 24: 197 (1984)
- 87 4. Ruoff P  
J. Phys. Chem. L., 88: 1058 (1984)
5. Adamcikova L, Sevcik P  
Chem. Zvesti, 39: 201 (1985)
6. Kôrös E, Varga M, Györgyi L  
Magy. Kém. Foly., 91: 248 (1985)
7. Maritato M, Nicles J, Pomsted L S, Tramonti M  
J. Phys. Chem. L., 89: 1341 (1985)
8. Ruoff P, Schwitters B  
J. Phys. Chem., 88: 6424 (1985)
9. Sevcik P, Adamcikova L  
Coll. Czech., 50: 799 (1985)
10. Tkac I, Treindl L  
Chem. Zvesti, 39: 175 (1985)

1981

Patonay G, Noszticzus Z  
EFFECT OF STIRRING ON THE BELOUSOV-ZHABOTINSKII REACTION - A PROBLEM OF  
INTERPRETATION  
REACT KINET CATAL LET 17: 187-189 (1981)  
IF: 0.376

88 Független idéző: 14 Függo idéző: 1 Összesen: 15

1. Gurel D, Gurel O  
RECENT DEVELOPMENTS IN CHEMICAL OSCILLATIONS  
TOPICS IN CURRENT CHEMISTRY, 118: 75-118 (1983)
2. Treindl L, Nagy A  
BELOUSOV-ZHABOTINSKII REACTION WITH ETHYL-ESTER OF 3- OXOBUTANOIC ACID

- COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 48: 3229-3237 (1983)  
 Welsh BJ, Gomatam J, Burgess AE
3. 3-DIMENSIONAL CHEMICAL WAVES IN THE BELOUSOV-ZHABOTINSKII REACTION  
 NATURE, 304: 611-614 (1983)  
 Field R J
  4. Oscillations and Traveling Waves in Chemical System  
 Wiley, 1985.  
 Karavaev AD, Kazakov VP, Tolstikov GA
  5. THE EFFECT OF OXYGEN ON AUTOOSCILLATION CHEMILUMINESCENCE IN THE  
 BROMATE-MALONIC ACID-TRIS-2,2'-DIPYRIDYL RUTHENIUM COMPLEX SYSTEM  
 TEORETICHESKAYA I EKSPERIMENTALNAYA KHIMIYA, 22: 65-& (1986)
  6. Nagypál I, Epstein I R  
 J. Phys. Chem., 90: 6285 (1986)  
 Kovalenko AS, Tikhonova LP, Yatsimirsky KB
  7. INFLUENCE OF MOLECULAR-OXYGEN ON CONCENTRATIONAL AUTO- OSCILLATIONS  
 AND AUTOWAVES IN THE BELOUSOV-ZHABOTINSKY REACTIONS  
 TEORETICHESKAYA I EKSPERIMENTALNAYA KHIMIYA, 24: 661-666 (1988)  
 Sevcik P, Adamcikova I
  8. STIRRING RATE EFFECTS IN THE BELOUSOV-ZHABOTINSKII REACTION  
 CHEMICAL PHYSICS LETTERS, 146: 419-421 (1988)  
 Treindl L, Lacova B
  9. OSCILLATING REACTION OF THE BELOUSOV-ZHABOTINSKII TYPE WITH NINHYDRIN  
 CHEMICAL PAPERS-CHEMICKE ZVESTI, 42: 3-10 (1988)  
 Ruoff P, Noyes RM
  10. EXCEPTIONALLY LARGE OXYGEN EFFECT IN THE BELOUSOV-ZHABOTINSKY  
 REACTION  
 JOURNAL OF PHYSICAL CHEMISTRY, 93: 7394-7398 (1989)  
 Sevcik P, Adamcikova L
  11. STIRRING RATE EFFECT IN THE CLOSED, BATCH BELOUSOV-ZHABOTINSKY SYSTEM  
 WITH OXALIC-ACID  
 JOURNAL OF CHEMICAL PHYSICS, 91: 1012-1014 (1989)  
 Noszticzus Z, Bodnar Z, Garamszegi L, Wittmann M
  - \* 12. SIMULATION OF THE EFFECT OF STIRRING ON THE OSCILLATING BELOUSOV-  
 ZHABOTINSKY REACTION WITH THE RADICALATOR MODEL  
 JOURNAL OF PHYSICAL CHEMISTRY, 95: 6575-6580 (1991)  
 Melikhov DP, Vanag VK
  13. Macromixing effects upon photoinduced nonequilibrium phase transition in the Briggs-Rauscher  
 reaction in a batch reactor  
 ZHURNAL FIZICHESKOI KHIMII, 69: 2064-2069 (1995)  
 Vanag VK, Melikhov DP
  14. ASYMMETRICAL CONCENTRATION FLUCTUATIONS IN THE AUTOCATALYTIC  
 BROMATE-BROMIDE-CATALYST REACTION AND IN THE OSCILLATORY BELOUSOV-  
 ZHABOTINSKY REACTION IN CLOSED REACTOR - STIRRING EFFECTS  
 JOURNAL OF PHYSICAL CHEMISTRY, 99: 17372-17379 (1995)  
 Treindl L, Ruoff P, Kvernberg PO
  15. Influence of oxygen and organic substrate on oscillations and autocatalysis in the Belousov-  
 Zhabotinsky reaction  
 JOURNAL OF PHYSICAL CHEMISTRY A, 101: 4606-4612 (1997)
- Noszticzus Z  
 ON THE ROLE OF BROMIDE IONS IN THE BELOUSOV-ZHABOTINSKII REACTION OF MALONIC-  
 ACID  
 89 ACTA CHIM ACAD SCI HUNG 106: 347-357 (1981)  
 IF: 0.445  
 Független idéző: 17
1. Ganapathisubramanian M, Noyes R M

- J. Phys. Chem., 86: 5155 (1982)
2. Ganapathisubramanian N, Noyes R M  
J. Phys. Chem., 86: 3217 (1982)
  3. Kôrös E, Varga M  
React. Kinet. Catal. Lett., 21: (1982)
  4. Tockstein A, Handlirova M  
Coll. Czech. Chem. Comm., 47: 2454 (1982)
  5. Gurel D, Gurel O  
T. Curr. Chem. R., 118: 75 (1983)
  6. Rastogi R P, Verma M K, Tripathi A K, Pandey P C  
J. Chem. A., 22: 838 (1983)
  7. Ruoff P  
Z. Naturforsch., 38A: 974 (1983)
  8. Kortya J  
Anal Chim Acta, 59: 1-46 (1984)
  9. Kôrös E, Varga M, Györgyi L  
J. Phys. Chem., 88: 416 (1984)
  10. Ruoff P  
J. Phys. Chem. L., 88: 1058 (1984)
  11. Ruoff P  
J. Phys. Chem., 88: 2851 (1984)
  12. Ruoff P  
J. Phys. Chem., 88: 6424 (1984)
  13. Kôrös E  
Magy. Kém. Foly., 91: 248 (1985)
  14. Maritato M  
J. Phys. Chem., 89: 1341 (1985)
  15. Sevcik P  
Coll. Czech., 50: 799 (1985)
  16. Tkac I, Treindl L  
CHEM ZVESTI, 39: (2) 175-190 (1985)
  17. Schwitters B, Ruoff P  
J. Phys. Chem., 90: 2497 (1986)

Noszticzus Z, Farkas H

An Old Model as a New Idea in the Modelling of the Oscillating BZ Reaction

In: Ebert K H, Deuflhard P, Jager W (ed.) Modelling of Chemical Reaction Systems, Heidelberg New York: Springer-Verlag, 1981. pp. 275

(Springer Series in Chemical Physics; 18.)

Független idéző: 11

Clark B L

1. Nonlinear Phenomena in Chemical Dynamic  
In: Recent Developments in the Theory of Stoichiometric Networks and application to the Belousov-Zhabotinsky Systems (szerk.) Vidal C.; Pacault A.; Heidelberg: Springer, 1981. 240
- 90 2. Gurel O, Gurel D  
Topics in Current Chemistry, 118: 75 (1983)
3. Manoranjan V S, Mitchell A R  
J. Math. Biology, 16: 251 (1983)
4. Ruoff P  
Z. Naturforsch., 38A: 974 (1983)
5. Kertész V  
Nonlin. Anal., 8: 941 (1984)
6. Ruoff P, Schwitters B  
J. Phys. Chem., 88: 6424 (1985)



- Bohl E
7. Numerical Treatment of Differential Equations.  
(82) Leipzig: Teubner, 1986. (Teubner-Texte zur Mathematik; 82.)
  8. Tockstein A  
Coll. Czech., 51: 479 (1986)
  9. Gánti T  
React. Kinet. Catal. Lett., 24: 197 (1987)
  10. Hlavacova J, Adamcikova L, Sevcik P  
Chem. Listy, 86: 796-806 (1992)
  11. Harle H, Mendel K, Metka U, Volpp HR, Willms L, Wolfrum J  
CHEM PHYS LETT, 279: (5-6) 275-281 (1997)

1980

Passiniemi P, Liukkonen S, Noszticzius Z  
ELECTROLYTE DIFFUSION AT VERY LOW CONCENTRATIONS IN IONIZED WATER  
J CHEM SOC FAR T II 76: 2552-2557 (1980)  
IF: 1.409

Független idéző: 4

Leaist DG

1. GAS-ABSORPTION WITH INSTANTANEOUS CHEMICAL-REACTION - ABSORPTION OF  
SULFUR-DIOXIDE BY AQUEOUS SODIUM BISULFITE  
JOURNAL OF PHYSICAL CHEMISTRY, 87: 4936-4939 (1983)

Leaist DG

91. DIFFUSION WITH HYDROLYSIS EQUILIBRIA - TRANSPORT-COEFFICIENTS OF AQUEOUS  
SO<sub>2</sub>, NH<sub>3</sub>, AND NA<sub>2</sub>CO<sub>3</sub>  
CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE, 61: 1494-1499  
(1983)

Leaist DG

3. DIFFUSION OF AQUEOUS CARBON-DIOXIDE, SULFUR-DIOXIDE, SULFURIC- ACID, AND  
AMMONIA AT VERY LOW CONCENTRATIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 91: 4635-4638 (1987)

Patil SF, Borhade AV, Nath M

4. DIFFUSIVITY OF SOME ZINC AND COBALT SALTS IN WATER  
JOURNAL OF CHEMICAL AND ENGINEERING DATA, 38: 574-576 (1993)

Noszticzius Z, et al

Process and Apparatus for the Determination of the Total Organic Substance Content of Gases by Flame  
Ionization Detector

92. Lajstromszám:4,201, 550

Közzététel éve:1980

Benyújtás helye:Egyesült Államok

Noszticzius Z

MECHANISM OF THE BELOUSOV-ZHABOTINSKII REACTION - INVESTIGATION OF SOME  
ANALOGIES AND PRESUMPTIONS  
KÉMIAI KÖZL 54: 79-92 (1980)

IF: 0.075

93. Független idéző: 2

Hlandlirova M, Tockstein A

1. Cool. Czech. Chem. Comm., 45: 2621 (1980)

Ruoff P, Schwitters B

2. J. Phys. Chem., 88: 6424 (1985)

Noszticzius Z, Bodiss J

INVESTIGATION OF THE POSSIBILITIES OF FORMIC-ACID FORMATION IN THE BELOUSOV-  
ZHABOTINSKII OSCILLATORY REACTION

94. MAGY KÉM FOLY 86: 2-8 (1980)

IF: 0.385

Független idéző: 7 Függo idéző: 5 Összesen: 12

- Noszticzius Z  
 \* 1. MECHANISM OF THE BELOUSOV-ZHABOTINSKII REACTION - INVESTIGATION OF SOME ANALOGIES AND PRESUMPTIONS  
 KEMIAI KOZLEMENYEK, 54: 79-92 (1980)
- Edelson D  
 2. MECHANISTIC DETAILS OF THE BELOUSOV-ZHABOTINSKY OSCILLATIONS .4. SENSITIVITY ANALYSIS  
 INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 13: 1175-1189 (1981)
- Noszticzius Z  
 \* 3. ON THE ROLE OF BROMIDE IONS IN THE BELOUSOV-ZHABOTINSKII REACTION OF MALONIC-ACID  
 ACTA CHIMICA ACADEMIAE SCIENTARUM HUNGARICAE, 106: 347-357 (1981)
- Adamcikova L, Sevcik P  
 4. Int. J. Chem. Kin., 14: 735 (1982)
- Brusa MA, Colussi AJ  
 5. A KINETIC-STUDY OF THE REACTION BETWEEN FORMIC-ACID AND HOBR  
 INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 14: 479-485 (1982)
- Burger M, Racz K  
 6. ON THE PRE-OSCILLATORY PERIOD OF THE BELOUSOV-ZHABOTINSKY REACTION - A SEARCH FOR INTERMEDIATES  
 ACTA CHIMICA ACADEMIAE SCIENTARUM HUNGARICAE, 110: 315-326 (1982)
- Noszticzius Z, Feller A  
 \* 7. ON THE APPLICABILITY OF THE LOTKA-VOLTERRA SCHEME FOR DIFFERENT TYPES OF THE BELOUSOV-ZHABOTINSKII REACTION  
 ACTA CHIMICA ACADEMIAE SCIENTARUM HUNGARICAE, 110: 261-275 (1982)
- Noszticzius Z, Farkas H, Schelly ZA  
 \* 8. EXPLODATOR - A NEW SKELETON MECHANISM FOR THE HALATE DRIVEN CHEMICAL OSCILLATORS  
 JOURNAL OF CHEMICAL PHYSICS, 80: 6062-6070 (1984)
- Field R J  
 9. Oscillations and Traveling Waves in Chemical Systems  
 Wiley, 1985.
- Tkac I, Treindl L  
 10. INFLUENCE OF OXYGEN ON THE BELOUSOV-ZHABOTINSKII OSCILLATING REACTION .3. RELEASE OF BROMIDES, KINETICS OF MALONIC-ACID OXIDATION BY MANGANESE(III), AND SIMULATING CALCULATIONS  
 CHEMICKE ZVESTI, 39: 175-190 (1985)
- Ruoff P, Hansen EW, Noyes RM  
 11. CHEMICAL OSCILLATIONS AND INSTABILITIES .76. OXIDATION OF GLYOXYLIC-ACID TO FORMIC-ACID IN THE BELOUSOV-ZHABOTINSKY REACTION - A H-1-NMR STUDY  
 JOURNAL OF PHYSICAL CHEMISTRY, 91: 3393-3398 (1987)
- Noszticzius Z, McCormick WD, Swinney HL  
 \* 12. USE OF BIFURCATION DIAGRAMS AS FINGERPRINTS OF CHEMICAL MECHANISMS  
 JOURNAL OF PHYSICAL CHEMISTRY, 93: 2796-2800 (1989)
- Noszticzius Z, Bodiss J  
 CONTRIBUTION TO THE CHEMISTRY OF THE BELOUSOV-ZHABOTINSKII (BZ) TYPE REACTIONS  
 BER BUNSEN PHYS CHEM 84: 366-369 (1980)  
 Független idéző: 15 Függo idéző: 3 Összesen: 18
- 95 1. Handlirova M, Tockstein A  
 Coll. Czech. Chem. Comm., 45: 2621 (1980)
2. Adamcikova L, Sevcik P  
 HETEROGENEOUS OSCILLATION REACTION IN TARTARIC ACID-KBRO3- MNSO4-H2SO4 SYSTEM  
 COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 47: 2333-2335 (1982)
3. Adamcikova L, Sevcik P

- A COMPLETELY INORGANIC OSCILLATING SYSTEM OF THE BELOUSOV-ZHABOTINSKII TYPE  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 14: 735-738 (1982)  
Bertrand G, Chaix JM
4. EXPERIMENTAL EXAMPLES OF BIFURCATIONS IN CHEMISTRY  
ASTERISQUE: 15-38 (1982)  
Noszticzius Z, Feller A
- \* 5. ON THE APPLICABILITY OF THE LOTKA-VOLTERRA SCHEME FOR DIFFERENT TYPES OF THE BELOUSOV-ZHABOTINSKII REACTION  
ACTA CHIMICA ACADEMIAE SCIENTARUM HUNGARICAE, 110: 261-275 (1982)  
Sevcik P, Adamcikova L
6. OSCILLATING HETEROGENEOUS REACTION WITH OXALIC-ACID  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 47: 891-898 (1982)  
Zhabotinskii AM
7. SELF-OSCILLATING CHEMICAL-REACTIONS - MECHANISM OF OSCILLATING OXIDATIONS WITH BROMATE  
ACTA CHIMICA ACADEMIAE SCIENTARUM HUNGARICAE, 110: 283-294 (1982)  
Zsabotyinszkij AM
8. OSCILLATING CHEMICAL-REACTIONS - PERIODIC REACTIONS BASED ON OXIDATION BY BROMATE  
KEMIAI KOZLEMENYEK, 57: 23-35 (1982)  
Gurel D, Gurel O
9. RECENT DEVELOPMENTS IN CHEMICAL OSCILLATIONS  
TOPICS IN CURRENT CHEMISTRY, 118: 75-118 (1983)  
Noszticzius Z, Noszticzius E, Schelly ZA
- \* 10. ON THE USE OF ION-SELECTIVE ELECTRODES FOR MONITORING OSCILLATING REACTIONS .2. POTENTIAL RESPONSE OF BROMIDE- SELECTIVE AND IODIDE- SELECTIVE ELECTRODES IN SLOW CORROSIVE PROCESSES - DISPROPORTIONATION OF BROMOUS AND IODOUS ACIDS - A LOTKA-VOLTERRA MODEL FOR THE HALATE DRIVEN OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 87: 510-524 (1983)  
Sevcik P, Adamcikova L
11. INFLUENCE OF SUBSTRATE ON MODIFIED OSCILLATION REACTIONS OF THE BELOUSOV-ZHABOTINSKII TYPE  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 48: 3223-3228 (1983)  
Kertesz V
12. GLOBAL MATHEMATICAL-ANALYSIS OF THE EXPLODATOR  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, 8: 941-961 (1984)  
Noszticzius Z, Farkas H, Schelly ZA
- \* 13. EXPLODATOR - A NEW SKELETON MECHANISM FOR THE HALATE DRIVEN CHEMICAL OSCILLATORS  
JOURNAL OF CHEMICAL PHYSICS, 80: 6062-6070 (1984)  
Szamosi J, Kristyan S
14. EXPERIMENTAL MATHEMATICS .1. COMPUTATIONAL STUDY ON THE LIMIT- CYCLE BEHAVIOR OF A TWO-DIMENSIONAL CHEMICAL OSCILLATOR  
JOURNAL OF COMPUTATIONAL CHEMISTRY, 5: 186-189 (1984)  
Maritato M, Nikles J, Romsted LS, Tramontin M
15. MICELLAR EFFECTS ON BELOUSOV-ZHABOTINSKY OSCILLATIONS WITH TRIS(2,2'-BIPYRIDYL)RUTHENIUM(II) AS A CATALYST  
JOURNAL OF PHYSICAL CHEMISTRY, 89: 1341-1344 (1985)  
Sevcik P, Adamcikova L
16. BROMINE AND PERIOD OF BELOUSOV-ZHABOTINSKII TYPE OSCILLATION REACTION  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 50: 799-805 (1985)  
Szamosi J, Lasky SJ
17. CHAOTIC RELAXATION IN A CHLORITE IODIDE SYSTEM  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 1995-1996 (1986)

- Blume R, Wiechoczek D, Meier H, Wedekind F  
DEGRADATION OF LACTIC-ACID AND PYRUVIC-ACID IN BELOUSOV- ZHABOTINSKII  
18. REACTIONS  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL, 44: 598-608 (1989)
- Noszticzus E, Kalmar D, Noszticzus Z  
96 A NOVEL METHOD FOR DETERMINATION OF ENZYME-ACTIVITIES  
ACTA CHIM ACAD SCI HUNG 103: 225-230 (1980)  
IF: 0.371
- Hédervári P, Noszticzus Z  
97 The importance of the observation of the earthquake lights as precursory phenomena of impending earthquakes  
In: Bisztricsányi E, Szeidovitz Gy (ed.) Proc. of 17th. Assembly of ESC, Budapest: z\$, 1980.  
1979
- Oláh K, Noszticzus Z  
98 CH-monitor using a membrane permeator combined with a flame ionization detector  
ACTA IMEKO: 565-568 (1979)
- Noszticzus Z, Oláh K, Vajta Z, Pálmai G  
STUDIES ON THE GAS PERMEABILITY OF POLYMER MEMBRANES USING A FLAME IONIZATION DETECTOR .1  
MAGY KÉM FOLY 85: 28-34 (1979)  
IF: 0.332  
Független idéző: 2 Függo idéző: 5 Összesen: 7
- Noszticzus Z, Bodiss J  
CONTRIBUTION TO THE CHEMISTRY OF THE BELOUSOV-ZHABOTINSKII (BZ) TYPE  
\* 1. REACTIONS  
BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 84: 366-369 (1980)
- Adamcikova L, Sevcik P  
2. A COMPLETELY INORGANIC OSCILLATING SYSTEM OF THE BELOUSOV-ZHABOTINSKII TYPE  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 14: 735-738 (1982)
- Palmai G, Olah K  
99 \* 3. STUDIES ON THE GAS-PERMEABILITY OF POLYMER MEMBRANES USING A FLAME IONIZATION DETECTOR .3.  
MAGYAR KEMIAI FOLYOIRAT, 88: 463-468 (1982)
- Palmai G, Olah K, Noszticzus Z  
\* 4. STUDIES ON THE GAS-PERMEABILITY OF POLYMER MEMBRANES USING A FLAME IONIZATION DETECTOR .2.  
MAGYAR KEMIAI FOLYOIRAT, 88: 202-210 (1982)
- Kékedy L  
5. Gázszenzorok  
A kémia újabb eredményei, 56: (1983)
- Palmai G, Olah K  
\* 6. NEW DIFFERENTIAL PERMEATION RATE METHOD FOR DETERMINATION OF MEMBRANE-TRANSPORT PARAMETERS OF GASES  
JOURNAL OF MEMBRANE SCIENCE, 21: 161-183 (1984)
- Palmai G, Olah K, Nyfri B  
\* 7. STUDIES ON THE GAS-PERMEABILITY OF POLYMER MEMBRANES USING A FLAME IONIZATION DETECTOR .4.  
MAGYAR KEMIAI FOLYOIRAT, 90: 157-166 (1984)
- Noszticzus Z  
100 POSSIBLE EXPLANATION FOR THE ORIGIN OF THE EARTHQUAKE LIGHTS  
B SEISMOL SOC AM 69: 1627-1627 (1979)  
IF: 1.956  
Független idéző: 5

1. Hédervári P  
Bull. Seismological Soc. Am., 71: 371 (1981)  
Corliss W R
2. Anomaly Register  
1982.
3. Hédervári P  
Geotimes, 29: 4-5 (1984)
4. Scheidegger A E  
Earth Sci. R., 22: 173 (1985)
5. Derr J S, Persing M A  
Experientia, 42: 991 (1986)

Noszticzius Z

NON-BR--CONTROLLED OSCILLATIONS IN THE BELOUSOV-ZHABOTINSKII REACTION OF MALONIC-ACID

J AM CHEM SOC 101: 3660-3663 (1979)

IF: 5.118

Független idéző: 69 Függo idéző: 11 Összesen: 80

1.Janz RD, Vanecek DJ, Field RJ

COMPOSITE DOUBLE OSCILLATION IN A MODIFIED VERSION OF THE OREGONATOR MODEL OF THE BELOUSOV-ZHABOTINSKY REACTION  
JOURNAL OF CHEMICAL PHYSICS, 73: 3132-3138 (1980)

\*2.Noszticzius Z

MECHANISM OF THE BELOUSOV-ZHABOTINSKII REACTION - INVESTIGATION OF SOME ANALOGIES AND PRESUMPTIONS  
KEMIAI KOZLEMENYEK, 54: 79-92 (1980)

\*3.Noszticzius Z, Bodiss J

CONTRIBUTION TO THE CHEMISTRY OF THE BELOUSOV-ZHABOTINSKII (BZ) TYPE REACTIONS  
BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 84: 366-369 (1980)

4.Noyes RM

CHEMICAL OSCILLATIONS AND INSTABILITES .39. A GENERALIZED MECHANISM FOR BROMATE-DRIVEN OSCILLATORS CONTROLLED BY BROMIDE  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 102: 4644-4649 (1980)

101

5.Noyes RM

OSCILLATIONS IN HOMOGENEOUS SYSTEMS  
BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 84: 295-303 (1980)

6.Clarke B L

Nonlinear Phenomena in Chemical Dynamics  
In: Recent Developments in the Theory of Stoichiometric Networks (szerk.) Vidaal, C.; Pacault, A., Heidelberg: Springer V., 1981. 240

7.Kuhnert L, Pehl KW

OSCILLATIONS IN THE BELOUSOV-ZHABOTINSKII SYSTEM (BZR) CATALYZED BY BIS-BIPYRIDINE-SILVER COMPLEXES  
CHEMICAL PHYSICS LETTERS, 84: 155-158 (1981)

\*8.Noszticzius Z

ON THE ROLE OF BROMIDE IONS IN THE BELOUSOV-ZHABOTINSKII REACTION OF MALONIC-ACID  
ACTA CHIMICA ACADEMIAE SCIENTARUM HUNGARICAE, 106: 347-357 (1981)

9.Ganapathisubramanian N, Noyes RM

CHEMICAL OSCILLATIONS AND INSTABILITIES .49. BROMATE-DRIVEN OSCILLATORS IN THE PRESENCE OF EXCESS SILVER ION  
JOURNAL OF PHYSICAL CHEMISTRY, 86: 5155-5157 (1982)

10.Koros E, Varga M

A NOVEL POSSIBILITY TO CLARIFY THE ROLE OF BROMIDE IN BROMATE OSCILLATORS

- REACTION KINETICS AND CATALYSIS LETTERS, 21: 521-526 (1982)
- 11.Koros E, Putirskaya G, Varga M  
PERTURBATION OF BROMATE OSCILLATORS .1. PERTUBATION BY GAMMA-IRRADIATION  
ACTA CHIMICA ACADEMIAE SCIENTARIUM HUNGARICAE, 110: 295-303 (1982)
- 12.Körös E, Varga M, Putirskaya G  
Ibid: 207 (1982)
- \*13.Noszticzius Z, Feller A  
ON THE APPLICABILITY OF THE LOTKA-VOLTERRA SCHEME FOR DIFFERENT TYPES OF THE BELOUSOV-ZHABOTINSKII REACTION  
ACTA CHIMICA ACADEMIAE SCIENTARIUM HUNGARICAE, 110: 261-275 (1982)
- 14.Ruoff P  
EXCITABILITY IN A CLOSED STIRRED BELOUSOV-ZHABOTINSKII SYSTEM  
CHEMICAL PHYSICS LETTERS, 90: 76-80 (1982)
- 15.Sevcik P, Adamcikova L  
OSCILLATING HETEROGENEOUS REACTION WITH OXALIC-ACID  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 47: 891-898 (1982)
- 16.Váradı Z Beck M T  
React. Kinet. Catal. Lett., 21: 527 (1982)
- 17.Zhabotinskii A M, Zaikin A N, Rovinsky A B  
Teor. Eksp. K., 18: 161 (1982)
- 18.Zhabotinskii AM  
SELF-OSCILLATING CHEMICAL-REACTIONS - MECHANISM OF OSCILLATING OXIDATIONS WITH BROMATE  
ACTA CHIMICA ACADEMIAE SCIENTARIUM HUNGARICAE, 110: 283-294 (1982)
- 19.Zsabotyinskij AM  
OSCILLATING CHEMICAL-REACTIONS - PERIODIC REACTIONS BASED ON OXIDATION BY BROMATE  
KEMIAI KOZLEMENYEK, 57: 23-35 (1982)
- 20.Rastogi RP, Verma MK  
ROLE OF MOLECULAR BROMINE IN BELOUSOV-ZHABOTINSKII REACTION DRIVEN BY BROMATE ION  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC, 22: 917-924 (1983)
- 21.Rastogi RP, Verma MK  
INSTABILITY LIMITS IN BELOUSOV-ZHABOTINSKII REACTION WITH MIXED ORGANIC SUBSTRATES  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC, 22: 830-837 (1983)
- 22.Ruoff P, Schwitters B  
OSCILLATIONS, EXCITABILITY AND STIRRING EFFECTS IN CLOSED METHYLMALONIC ACID BELOUSOV-ZHABOTINSKY SYSTEMS  
ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-WIESBADEN, 135: 171-184 (1983)
- 23.Ruoff P  
SIMULATION OF AMPLITUDE BEHAVIOR IN THE AG+ PERTURBED EXCITABLE BELOUSOV-ZHABOTINSKY REACTION BY THE OREGONATOR MODEL  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 38: 974-979 (1983)
- 24.Koros E, Varga M, Gyorgyi L  
THOROUGH STUDY OF BROMIDE CONTROL IN BROMATE OSCILLATORS .1. THE EFFECT OF BROMO-COMPLEX-FORMING METAL-IONS  
JOURNAL OF PHYSICAL CHEMISTRY, 88: 4116-4121 (1984)
- \*25.Noszticzius Z, Farkas H, Schelly ZA  
EXPLODATOR - A NEW SKELETON MECHANISM FOR THE HALATE DRIVEN CHEMICAL OSCILLATORS  
JOURNAL OF CHEMICAL PHYSICS, 80: 6062-6070 (1984)



26. Noyes RM  
CHEMICAL OSCILLATIONS AND INSTABILITIES .56. AN ALTERNATIVE TO THE  
STOICHIOMETRIC FACTOR IN THE OREGONATOR MODEL  
JOURNAL OF CHEMICAL PHYSICS, 80: 6071-6078 (1984)
27. Ruoff P, Schwitters B  
THEORETICAL-STUDY OF  $Ag^+$ -INDUCED OSCILLATIONS AND EXCITATIONS IN THE  
CLASSICAL HOMOGENEOUS BELOUSOV-ZHABOTINSKY REACTION USING THE  
OREGONATOR MODEL  
JOURNAL OF PHYSICAL CHEMISTRY, 88: 6424-6429 (1984)
28. Adamcikova L, Sevcik P  
INFLUENCE OF TEMPERATURE ON OSCILLATING REACTION WITH LACTIC, TARTARIC,  
AND OXALIC-ACID  
CHEMICKE ZVESTI, 39: 201-206 (1985)
29. Brusa MA, Perissinotti LJ, Colussi AJ  
ELECTRON-SPIN RESONANCE KINETIC-STUDIES OF MALONYL RADICAL SELF-DECAY  
AND OXIDATION REACTIONS BY CERIUM(IV) AND BROMATE IN ACID AQUEOUS-MEDIA  
- THE ROLE OF FREE-RADICALS IN THE BELOUSOV-ZHABOTINSKII OSCILLATOR  
JOURNAL OF PHYSICAL CHEMISTRY, 89: 1572-1574 (1985)
30. Field R J  
Oscillations and Traveling Waves in Chemical Systems  
Wiley, 1985.
31. Field RJ, Boyd PM  
BROMINE-HYDROLYSIS CONTROL IN THE CERIUM ION BROMATE ION OXALIC-ACID  
ACETONE BELOUSOV-ZHABOTINSKII OSCILLATOR  
JOURNAL OF PHYSICAL CHEMISTRY, 89: 3707-3714 (1985)
32. Koros E, Varga M, Gyorgyi L  
THOROUGH STUDY OF BROMIDE CONTROL IN BROMATE OSCILLATORS .1. THE EFFECT  
OF BROMO-COMPLEX-FORMING METAL-IONS  
MAGYAR KEMIAI FOLYOIRAT, 91: 248-256 (1985)
33. Ruoff P  
PHASE RESPONSE RELATIONSHIPS AS AN ANALYTICAL TOOL IN INVESTIGATING  
CHEMICAL OSCILLATING REACTIONS .1. A CRUCIAL TEST BETWEEN EXPLODATOR AND  
OREGONATOR-TYPE MODELS DESCRIBING THE  $Ag^+$ -PERTURBED BELOUSOV-  
ZHABOTINSKY REACTION  
JOURNAL OF CHEMICAL PHYSICS, 83: 2000-2001 (1985)
34. Ruoff P, Schwitters B  
J.Phys. Chem., 88: 6424 (1985)
35. Varga M, Koros E  
VARIOUS DYNAMIC BEHAVIOR OF  $Ag^+$  - INDUCED OSCILLATIONS IN UNCATALYZED  
BROMATE OSCILLATORS  
REACTION KINETICS AND CATALYSIS LETTERS, 28: 259-268 (1985)
36. Field RJ, Forsterling HD  
ON THE OXYBROMINE CHEMISTRY RATE CONSTANTS WITH CERIUM IONS IN THE  
FIELD-KOROS-NOYES MECHANISM OF THE BELOUSOV-ZHABOTINSKII REACTION - THE  
EQUILIBRIUM  $HBrO_2 + BrO_3^- + H^+ \rightleftharpoons 2BrO_2 + H_2O$   
JOURNAL OF PHYSICAL CHEMISTRY, 90: 5400-5407 (1986)
37. McKinnon CK, Field RJ  
CONTINUOUSLY STIRRED TANK REACTOR BISTABILITY IN THE BELOUSOV-  
ZHABOTINSKII REACTION - OREGONATOR AND EXPLODATOR MODELS  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 166-168 (1986)
38. Ruoff P  
BROMIDE ION AND IODIDE-ION INDUCED OSCILLATIONS IN THE OXIDIZED EXCITABLE  
STEADY-STATE OF A CATALYZED BELOUSOV-ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 6744-6747 (1986)
39. Schwitters B, Ruoff P  
SIMULATION OF BROMATE-DRIVEN OSCILLATIONS IN THE PRESENCE OF EXCESS

- SILVER IONS USING THE OREGONATOR MODEL  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 2497-2501 (1986)
- 40.Varga M, Koros E  
THOROUGH STUDY OF BROMIDE CONTROL IN BROMATE OSCILLATORS .4. A  
QUANTITATIVE AND COMPARATIVE-STUDY ON SILVER ION PERTURBED BELOUSOV-  
ZHABOTINSKY SYSTEMS  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 4373-4376 (1986)
- 41.Vidal C, Hanusse P  
NONEQUILIBRIUM BEHAVIOR IN ISOTHERMAL LIQUID CHEMICAL-SYSTEMS  
INTERNATIONAL REVIEWS IN PHYSICAL CHEMISTRY, 5: 1-55 (1986)
- 42.Xu JD, Ni SS  
OSCILLATING REACTIONS INVOLVING A NICKEL-COMPLEX WITH A 13- MEMBERED  
TETRAAZA MACROCYCLIC LIGAND IN ACIDIC BROMATE MEDIUM  
INORGANIC CHEMISTRY, 25: 1264-1268 (1986)
- 43.Sevcik P, Adamcikova L  
Coll. Czech., 52: 2115 (1987)
- 44.Varga M, Koros E  
THOROUGH STUDY OF BROMIDE CONTROL IN BROMATE OSCILLATORS .4. A  
QUANTITATIVE STUDY ON SILVER-ION PERTURBED BELOUSOV-ZHABOTINSKY  
SYSTEMS  
MAGYAR KEMIAI FOLYOIRAT, 93: 49-54 (1987)
- \*45.Eszterle M, Noszticzus Z, Schelly ZA  
THE PHASE RESPONSE OF THE EXPLODATOR  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS I, 84: 575-580 (1988)
- 46.Forsterling HD, Schreiber H  
REACTION OF BROMOUS ACID WITH BROMIDE IN THE PRESENCE OF SILVER IONS  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 43: 956-960  
(1988)
- 47.Krishnaratnam M, Viswanathan B, Ramaswamy R  
EFFECT OF GAMMA-IRRADIATION ON THE UNCATALYZED BROMATE OSCILLATOR  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES, 120: 353-359  
(1988)
- 48.Kshirsagar G, Field RJ, Gyorgyi L  
INITIAL PROCESSES IN THE REACTION OF SILVER ION WITH BROMIDE ION IN 1-M  
SULFURIC-ACID - IMPLICATIONS FOR SILVER ION PERTURBATION OF THE BELOUSOV-  
ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 92: 2472-2479 (1988)
- \*49.Noszticzus Z, McCormick WD  
ESTIMATION OF THE RATE-CONSTANT OF THE  $Ag^+ + Br^- \rightarrow AgBr$  REACTION - THE  
POSSIBILITY OF NON-BROMIDE-CONTROLLED OSCILLATIONS IN THE BELOUSOV-  
ZHABOTINSKY REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 92: 374-376 (1988)
- 50.Ruoff P, Varga M, Koros E  
HOW BROMATE OSCILLATORS ARE CONTROLLED  
ACCOUNTS OF CHEMICAL RESEARCH, 21: 326-332 (1988)
- 51.Treindl L, Mrakavova M  
SPECTROPHOTOMETRIC STUDY OF BROMATE-DRIVEN OSCILLATIONS IN THE PRESENCE  
OF SILVER IONS  
JOURNAL OF PHYSICAL CHEMISTRY, 92: 1138-1140 (1988)
- \*52.Forsterling HD, Noszticzus Z  
AN ADDITIONAL NEGATIVE FEEDBACK LOOP IN THE CLASSICAL BELOUSOV-  
ZHABOTINSKY REACTION - MALONYL RADICAL AS A 2ND CONTROL INTERMEDIATE  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2740-2748 (1989)
- 53.Noyes RM, Field RJ, Forsterling HD, Koros E, Ruoff P  
CONTROVERSIAL INTERPRETATIONS OF  $Ag^+$  PERTURBATION OF THE BELOUSOV-  
ZHABOTINSKY REACTION

- JOURNAL OF PHYSICAL CHEMISTRY, 93: 270-274 (1989)
- 54.Rastogi RP, Mani K  
ANOMALOUS BEHAVIOR OF BELOUSOV-ZHABOTINSKII OSCILLATORS IN THE PRESENCE OF  $Ag^+$   
CHEMICAL PHYSICS LETTERS, 164: 545-548 (1989)
- 55.Ruoff P, Vestvik J  
POTENTIOMETRIC AND SPECTROPHOTOMETRIC STUDIES OF THE SILVER BROMIDE REACTION IN 1-M SULFURIC-ACID AND ITS RELEVANCE TO SILVER ION PERTURBED BROMATE-DRIVEN OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 7798-7801 (1989)
- \*56.Forsterling HD, Muranyi S, Noszticzius Z  
EVIDENCE OF MALONYL RADICAL CONTROLLED OSCILLATIONS IN THE BELOUSOV-ZHABOTINSKY REACTION (MALONIC ACID-BROMATE-CERIUM SYSTEM)  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 2915-2921 (1990)
- 57.Gyorgyi L, Turanyi T, Field RJ  
MECHANISTIC DETAILS OF THE OSCILLATORY BELOUSOV-ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 7162-7170 (1990)
- 58.Koros E  
DYNAMICS OF PERTURBED CHEMICAL OSCILLATORS  
MAGYAR KEMIAI FOLYOIRAT, 96: 489-497 (1990)
- 59.Kshirsagar G Field R J Györgyi L  
In: Gray P ; Nicolis G ; Baras F; Borckmans P ; Scott S.K (szerk.) Spatial inhomogeneities and transient behaviour in chemical kinetics, Manchester Unive, 1990. 626-629
- 60.Muranyi S, Forsterling HD  
CHLORIDE INDUCED OSCILLATIONS IN THE CLASSICAL BELOUSOV- ZHABOTINSKY REACTION EXPLAINED BY THE RADICALATOR-MODEL  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 45: 135-144 (1990)
- 61.Noyes RM  
CHEMICAL OSCILLATIONS AND INSTABILITIES .86. MECHANISMS OF SOME CHEMICAL OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 4404-4412 (1990)
- 62.Rastogi RP, Misra GP  
CRITICAL LIMITS IN BELOUSOV-ZHABOTINSKII REACTION SYSTEM  
CHEMICAL PHYSICS LETTERS, 174: 617-620 (1990)
- 63.Russo T  
MODELING OF A SILVER ION PERTURBED BELOUSOV-ZHABOTINSKII OSCILLATOR  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 4120-4122 (1990)
- \*64.Stuk L, Roberts J, McCormick WD, Noszticzius Z  
FURTHER EVIDENCE FOR RADICAL-CONTROLLED OSCILLATIONS IN THE BELOUSOV-ZHABOTINSKII REACTION - LARGE EFFECTS OF ULTRAVIOLET- LIGHT AND SILVER IONS  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 6734-6737 (1990)
- 65.Liu JL, Scott SK  
HYSTERESIS AND COMPLEX OSCILLATIONS OF THE UNCATALYZED BELOUSOV-ZHABOTINSKII REACTION IN A STIRRED FLOW REACTOR  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, 87: 2135-2140 (1991)
- 66.Rastogi RP, Mani K, Misra GP  
BELOUSOV-ZHABOTINSKII REACTION SYSTEMS IN THE PRESENCE OF  $Ag^+$   
CHEMICAL PHYSICS LETTERS, 178: 171-176 (1991)
- 67.Roberts J, Stuk L, McCormick WD  
COMPETITION BETWEEN SILVER IONS AND OXYBROMINE SPECIES FOR BROMIDE IONS IN THE SILVER-PERTURBED BELOUSOV ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 95: 3165-3167 (1991)
- 68.Valent I, Adamcikova L  
REDUCTION KINETICS OF BROMATE WITH THIOCYANATE AND DYNAMICS OF THE CLOSED SYSTEM  $BrO_3^- - S_2C_2O_4^{2-} - HClO_4$

COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 56: 1565-1574 (1991)

69.Hlavacova J, Adamcikova L, Sevcik P

MODELS, MECHANISM AND NUMERICAL SIMULATIONS OF THE BELOUSOV-ZHABOTINSKI REACTION

CHEMICKE LISTY, 86: 796-806 (1992)

\*70.Muranyi S, Noszticzius Z

ON THE PROBLEM OF BROMIDE CONTROL IN A TL3+-PERTURBED BELOUSOV-ZHABOTINSKY OSCILLATOR

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 47: 605-613 (1992)

71.Pota G, Stedman G

EXOTIC BEHAVIOR OF CHEMICAL-REACTION SYSTEMS

ACH-MODELS IN CHEMISTRY, 131: 229-268 (1994)

72.Sun SS, Lin HP, Chen YF, Jwo JJ

THE MN(II)-CATALYZED BELOUSOV-ZHABOTINSKY REACTION WITH METHYL-MALONIC, ETHYL-MALONIC OR BUTYL-MALONIC ACID

JOURNAL OF THE CHINESE CHEMICAL SOCIETY, 41: 651-658 (1994)

73.Epstein IR, Showalter K

Nonlinear chemical dynamics: Oscillations, patterns, and chaos

JOURNAL OF PHYSICAL CHEMISTRY, 100: 13132-13147 (1996)

74.Huang ZY, Wu JX, Xu HH

Study of perturbations of Ag<sup>+</sup> on three B-Z reaction systems with different organic substrates

ACTA CHIMICA SINICA, 54: 729-733 (1996)

75.Kuge K, Kaneko J, Mii N

Preparation of silver bromide emulsion grains by Belousov-Zhabotinsky reaction on continuous addition of silver nitrate solution

JOURNAL OF IMAGING SCIENCE AND TECHNOLOGY, 41: 594-599 (1997)

76.Treindl L, Hemmingsen T, Ruoff P

Belousov-Zhabotinsky oscillations during the chemical or electrochemical generation of Ag<sup>+</sup> ions

CHEMICAL PHYSICS LETTERS, 269: 263-267 (1997)

77.Balea G, Sayti L, Grozav A, Butur M, Sallo E

The behavior of Belousov-Zhabotinskii systems in the presence of Fe(II) ions

REVUE ROUMAINE DE CHIMIE, 46: 1097-1105 (2001)

78.Balea G, Sallo E, Sallo A, et al

Rev. Roum. Chim., 47: 527-531 (2002)

79.Pal SC, Banerjee RS

Chemical oscillation

JOURNAL OF THE INDIAN CHEMICAL SOCIETY, 79: 393-408 (2002)

80.Taylor A F

Prog. React. Kinet. Mec., 27: (4) 247-325 (2002)

81. Raoof JB, Ojani R, Kiani A

[Kinetic determination of silver ion by its perturbation on Belousov-Zhabotinskii oscillating chemical reaction using potentiometric method](#)

ANALYTICAL SCIENCES 20 (5): 883-886 MAY 2004

Noszticzius Z

Belouszov-Zsabotyinszkij-típusú oszcilláló reakció oxálsav-aceton szunsztrátum keverékkel

MAGY KÉM FOLY 85: 330-331 (1979)

IF: 0.332

Független idéző: 31

- 102
1. Guedes MC, Faria RB  
J PHYS CHEM A, 102: (11) 1973-1975 (1980)
  2. Noyes R M  
J.Am.Chem.Soc., 102: 4644 (1980)
  3. Banerjee G C, Adak M M, Banerjee S, Samaddar H  
J.Indian Ch., 58/10: 985 (1981)

4. Adamcikova L, Sevcik P  
Int.J.Chem.K., 14: 735 (1982)
5. Burger M, Rácz K  
Acta Chim.Acad.Sci.Hung., 110: 315 (1982)
6. Kôrös E, Varga M  
React.Kinet.Catal.Lett., 21: 521 (1982)
7. Zhabotinskii A M  
Kém.Közl., 57: 23 (1982)
8. Zhabotinskii A M  
Acta Chim.Acad.Sci.Hung., 110: 283 (1982)
9. Rastogi R P  
I.J.Chem.A., 22: 827 (1983)
10. Rastogi R P, Verma M K  
I.J.Chem.A., 22: 830 (1983)
11. Rastogi R P, Verma M K  
I.J.Chem.A., 22: 917 (1983)
12. Ruoff P  
Z.Naturfor., 38A: 974 (1983)
- Field R J
13. Oscillations and Traveling Waves in Chemical Systems  
Wiley, 1985.
- Field R J Boyd P M
14. J.Phys.Chem., 89: 3707 (1985)
15. Gáspár V, Galambosi P  
J.Phys.Chem., 90: 2222 (1986)
16. McKinnon C K, Field R J  
J.Phys.Chem., 90: 166 (1986)
17. Pacault A, Ouyang Q, Dekepper P  
J STAT PHYS, 48: (5-6) 1005-1016 (1987)
18. Beck M T, Nagy I P  
J.Phys.Chem., 93: 7755-7756 (1989)
19. Sevcik P, Adamcikova L  
J.Chem.Phys., 91: 1012-1014 (1989)
20. Sevcik P  
Chem.Pap.-Ch., 44: 451 (1990)
21. Sevcik P, Hlavacova J  
Chem.Pap., 44/4: 451-466 (1990)
22. Zhang Y X, Field R J  
J.Phys.Chem., 94: 7154 (1990)
23. Hlavacova J, Sevcik P  
Chem.P.Lett., 182: 588 (1991)
24. Pastapur SM, Kulkarni VR  
J INDIAN CHEM SOC, 68: (5) 293-294 (1991)
25. Tsukada M  
B.Chem.S.J., 64: 1015 (1991)
26. Pojman J A, Dedeaux H, Fortenberry D  
J.Phys.Chem., 96: 7331-7333 (1992)
27. Singh SR, Rizvi AH, Singh SP et al  
J INDIAN CHEM SOC, 70: (3) 249-250 (1993)
28. Hsu WT, Jwo JJ  
INT J CHEM KINET, 32: (1) 52-61 (2000)
29. Biswas S, Mukherjee K, Mukherjee DC, Moulik SP  
JOURNAL OF PHYSICAL CHEMISTRY A, V105: (N39) 8857-8863 (2001)

30. Biswas S, Mukherjee K, Mukherjee DC, et al  
CAN J CHEM, 80: (9) 1204-1209 (2002)
31. Taylor AF  
PROG REACT KINET MEC, 27: (4) 247-325 (2002)
32. Biswas S, Mukherjee K, Mukherjee DC, et al.  
[A comprehensive report on the study of B-Z oscillatory reactions BrO<sub>3</sub><sup>-</sup>-GA and BrO<sub>3</sub><sup>-</sup>-oxalic acid-acetone systems](#)  
JOURNAL OF THE INDIAN CHEMICAL SOCIETY 80 (5): 479-498 MAY 2003
33. Kumli PI, Burger M, Hauser MJB, et al.  
[Oscillations in the Belousov-Zhabotinsky reaction with sorbitol in the presence of bromine](#)  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS 5 (24): 5454-5458 DEC 15 2003
- \*34. Pelle K, Wittmann M, Lovrics K, et al.  
[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub><sup>-</sup> with oxalic acid](#)  
JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004
35. Pereira JAM, Faria RB  
[Oscillatory bromate-oxalic acid-Ce-acetone-sulfuric acid reaction, in CSTR](#)  
JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY 15 (6): 976-978 NOV-DEC 2004

Noszticzius Z, Bodiss J

A HETEROGENEOUS CHEMICAL OSCILLATOR - THE BELOUSOV-ZHABOTINSKII-TYPE REACTION OF OXALIC-ACID

J AM CHEM SOC 101: 3177-3182 (1979)

IF: 5.118

Független idézo: 92 Függo idézo: 14 Összesen: 106

1. Beck M T, Bazsa Gy, Hauck K

KInetics of Physicochemical Oscillations

Periodic Reaction Between and Ferrion, 1: 123 (1979)

2. Janz RD, Vanecek DJ, Field RJ

COMPOSITE DOUBLE OSCILLATION IN A MODIFIED VERSION OF THE OREGONATOR MODEL OF THE BELOUSOV-ZHABOTINSKY REACTION

JOURNAL OF CHEMICAL PHYSICS, 73: 3132-3138 (1980)

3. Koros E, Orban M, Habon I

CHEMICAL OSCILLATIONS DURING THE UNCATALYZED REACTION OF AROMATIC-COMPOUNDS WITH BROMATE .3. EFFECT OF ONE-ELECTRON REDOX COUPLES ON UNCATALYZED BROMATE OSCILLATORS

JOURNAL OF PHYSICAL CHEMISTRY, 84: 559-560 (1980)

\*4. Noszticzius Z

103 MECHANISM OF THE BELOUSOV-ZHABOTINSKII REACTION - INVESTIGATION OF SOME ANALOGIES AND PRESUMPTIONS

KEMIAI KOZLEMENYEK, 54: 79-92 (1980)

\*5. Noszticzius Z, Bodiss J

CONTRIBUTION TO THE CHEMISTRY OF THE BELOUSOV-ZHABOTINSKII (BZ) TYPE REACTIONS

BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 84: 366-369 (1980)

\*6. Noszticzius Z, Bodiss J

INVESTIGATION OF THE POSSIBILITIES OF FORMIC-ACID FORMATION IN THE BELOUSOV-ZHABOTINSKII OSCILLATORY REACTION

MAGYAR KEMIAI FOLYOIRAT, 86: 2-8 (1980)

7. Noyes RM

CHEMICAL OSCILLATIONS AND INSTABILITES .39. A GENERALIZED MECHANISM FOR BROMATE-DRIVEN OSCILLATORS CONTROLLED BY BROMIDE

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 102: 4644-4649 (1980)

8. Noyes RM

OSCILLATIONS IN HOMOGENEOUS SYSTEMS

BERICHTE DER BUNSEN-GESELLSCHAFT-PHYSICAL CHEMISTRY CHEMICAL, 84: 295-



303 (1980)

9. Showalter K

PATTERN-FORMATION IN A FERROIN-BROMATE SYSTEM  
JOURNAL OF CHEMICAL PHYSICS, 73: 3735-3742 (1980)

10. Clarke B L

Nonlinear Phenomena in Chemical Dynamics

In: Recent Developments in the Theory of Stoichiometric Networks (szerk.) Vidal C.; Pacault A.,  
Heidelberg: Springer V., 1981. 240

11. Dalba F, Serravalle G

OXIDATION OF MALONIC-ACID FROM POTASSIUM BROMATE (REACTION OF  
ZHABOTINSKII) - COMPARISON BETWEEN DIFFERENT CATALYSTS, WITH  
ELECTROCHEMICAL METHOD  
JOURNAL DE CHIMIE PHYSIQUE ET DE PHYSICO-CHIMIE BIOLOGIQUE, 78: 131-134 (1981)

\*12. Noszticzius Z

ON THE ROLE OF BROMIDE IONS IN THE BELOUSOV-ZHABOTINSKII REACTION OF  
MALONIC-ACID  
ACTA CHIMICA ACADEMIAE SCIENTARUM HUNGARICAE, 106: 347-357 (1981)

13. Orban M, Epstein IR

OSCILLATIONS AND BISTABILITY IN HYDROGEN-PLATINUM-OXYHALOGEN SYSTEMS  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 103: 3723-3727 (1981)

14. Adamcikova L, Sevcik P

BELOUSOV-ZHABOTINSKY OSCILLATOR WITH MANDELIC-ACID  
ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-WIESBADEN, 132: 251-253 (1982)

15. Adamcikova L, Sevcik P

HETEROGENEOUS OSCILLATION REACTION IN TARTARIC ACID-KBRO<sub>3</sub>-MNSO<sub>4</sub>-H<sub>2</sub>SO<sub>4</sub>  
SYSTEM  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 47: 2333-2335 (1982)

16. Adamcikova L, Sevcik P

A COMPLETELY INORGANIC OSCILLATING SYSTEM OF THE BELOUSOV-  
ZHABOTINSKII TYPE  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 14: 735-738 (1982)

17. Bertrand G, Chaix JM

EXPERIMENTAL EXAMPLES OF BIFURCATIONS IN CHEMISTRY  
ASTERISQUE: 15-38 (1982)

18. Brusa MA, Colussi AJ

A KINETIC-STUDY OF THE REACTION BETWEEN FORMIC-ACID AND HOBR  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 14: 479-485 (1982)

19. Koros E, Varga M

A NOVEL POSSIBILITY TO CLARIFY THE ROLE OF BROMIDE IN BROMATE  
OSCILLATORS  
REACTION KINETICS AND CATALYSIS LETTERS, 21: 521-526 (1982)

\*20. Noszticzius Z, Feller A

ON THE APPLICABILITY OF THE LOTKA-VOLTERRA SCHEME FOR DIFFERENT TYPES OF  
THE BELOUSOV-ZHABOTINSKII REACTION  
ACTA CHIMICA ACADEMIAE SCIENTARUM HUNGARICAE, 110: 261-275 (1982)

21. Sevcik P, Adamcikova L

OSCILLATING HETEROGENEOUS REACTION WITH OXALIC-ACID  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 47: 891-898 (1982)

22. Adamcikova L, Knappova O

KINETICS AND MECHANISM OF OXIDATION OF TARTARIC ACID BY BROMATE IONS  
AND AN HETEROGENEOUS OSCILLATION REACTION OF TARTARIC ACID  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 48: 2335-2342 (1983)

23. Alamgir M, Orban M, Epstein IR

SYSTEMATIC DESIGN OF CHEMICAL OSCILLATORS .16. INORGANIC BROMATE  
OSCILLATORS - BROMATE MANGANOUS REDUCTANT  
JOURNAL OF PHYSICAL CHEMISTRY, 87: 3725-3728 (1983)

24. Dalba F, Dilorenzo S  
SOME STATEMENTS CONCERNING OSCILLATORY PHENOMENA  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS I, 79: 39-54 (1983)
25. Dallison AM, MacEr Drj, Rodley GA  
AN INORGANIC BROMATE OSCILLATOR INCORPORATING PERMANGANATE AS A REAGENT  
INORGANICA CHIMICA ACTA-LETTERS, 76: L219-L221 (1983)
26. Forsterling HD, Lamberz HJ, Schreiber H  
FORMATION OF BRO<sub>2</sub> IN THE BELOUSOV-ZHABOTINSKY-SYSTEM REACTION OF ALIPHATIC-ALCOHOLS WITH BROMATE  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 38: 483-486 (1983)
- \*27. Noszticzius Z, Noszticzius E, Schelly ZA  
ON THE USE OF ION-SELECTIVE ELECTRODES FOR MONITORING OSCILLATING REACTIONS .2. POTENTIAL RESPONSE OF BROMIDE- SELECTIVE AND IODIDE-SELECTIVE ELECTRODES IN SLOW CORROSIVE PROCESSES - DISPROPORTIONATION OF BROMOUS AND IODOUS ACIDS - A LOTKA-VOLTERRA MODEL FOR THE HALATE DRIVEN OSCILLATORS  
JOURNAL OF PHYSICAL CHEMISTRY, 87: 510-524 (1983)
28. Rastogi RP, Verma MK  
ROLE OF MOLECULAR BROMINE IN BELOUSOV-ZHABOTINSKII REACTION DRIVEN BY BROMATE ION  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC, 22: 917-924 (1983)
29. Rastogi RP, Verma MK  
INSTABILITY LIMITS IN BELOUSOV-ZHABOTINSKII REACTION WITH MIXED ORGANIC SUBSTRATES  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC, 22: 830-837 (1983)
30. Ruoff P  
SIMULATION OF AMPLITUDE BEHAVIOR IN THE AG<sup>+</sup> PERTURBED EXCITABLE BELOUSOV-ZHABOTINSKY REACTION BY THE OREGONATOR MODEL  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 38: 974-979 (1983)
31. Sevcik P, Adamcikova L  
INFLUENCE OF SUBSTRATE ON MODIFIED OSCILLATION REACTIONS OF THE BELOUSOV-ZHABOTINSKII TYPE  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 48: 3223-3228 (1983)
32. Blume R, Bader HJ  
THE BELOUSOV-ZHABOTINSKII REACTION OF ASCORBIC-ACID  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL, 39: 1795-1800 (1984)
33. Kertesz V  
GLOBAL MATHEMATICAL-ANALYSIS OF THE EXPLODATOR  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, 8: 941-961 (1984)
34. Koros E, Varga M, Gyorgyi L  
THOROUGH STUDY OF BROMIDE CONTROL IN BROMATE OSCILLATORS .1. THE EFFECT OF BROMO-COMPLEX-FORMING METAL-IONS  
JOURNAL OF PHYSICAL CHEMISTRY, 88: 4116-4121 (1984)
- \*35. Noszticzius Z, Farkas H, Schelly ZA  
EXPLODATOR AND OREGONATOR - PARALLEL AND SERIAL OSCILLATORY NETWORKS - A COMPARISON  
REACTION KINETICS AND CATALYSIS LETTERS, 25: 305-311 (1984)
- \*36. Noszticzius Z, Farkas H, Schelly ZA  
EXPLODATOR - A NEW SKELETON MECHANISM FOR THE HALATE DRIVEN CHEMICAL OSCILLATORS  
JOURNAL OF CHEMICAL PHYSICS, 80: 6062-6070 (1984)

37. Noyes RM  
CHEMICAL OSCILLATIONS AND INSTABILITIES .56. AN ALTERNATIVE TO THE  
STOICHIOMETRIC FACTOR IN THE OREGONATOR MODEL  
JOURNAL OF CHEMICAL PHYSICS, 80: 6071-6078 (1984)
38. Szamosi J, Kristyan S  
EXPERIMENTAL MATHEMATICS .1. COMPUTATIONAL STUDY ON THE LIMIT- CYCLE  
BEHAVIOR OF A TWO-DIMENSIONAL CHEMICAL OSCILLATOR  
JOURNAL OF COMPUTATIONAL CHEMISTRY, 5: 186-189 (1984)
39. Adamcikova L, Halinarova I  
KINETICS OF REDOX REACTION OF LACTIC-ACID WITH BROMATE IONS, AND  
BELOUSOV-ZHABOTINSKII OSCILLATOR WITH LACTIC-ACID  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 50: 1588-1593 (1985)
40. Adamcikova L, Sevcik P  
INFLUENCE OF TEMPERATURE ON OSCILLATING REACTION WITH LACTIC, TARTARIC,  
AND OXALIC-ACID  
CHEMICKE ZVESTI, 39: 201-206 (1985)
- \*41. Farkas H, Noszticzius Z  
GENERALIZED LOTKA-VOLTERRA SCHEMES AND THE CONSTRUCTION OF TWO-  
DIMENSIONAL EXPLODATOR CORES AND THEIR LIAPUNOV-FUNCTIONS VIA CRITICAL  
HOPF BIFURCATIONS  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS II, 81: 1487-1505  
(1985)
42. Field R J  
Oscillations and Traveling Waves in Chemical Systems  
Wiley, 1985.
43. Field RJ, Boyd PM  
BROMINE-HYDROLYSIS CONTROL IN THE CERIUM ION BROMATE ION OXALIC-ACID  
ACETONE BELOUSOV-ZHABOTINSKII OSCILLATOR  
JOURNAL OF PHYSICAL CHEMISTRY, 89: 3707-3714 (1985)
44. Gaspar V, Bazsa G, Beck MT  
BISTABILITY AND BROMIDE-CONTROLLED OSCILLATION DURING BROMATE  
OXIDATION OF FERROIN IN A CONTINUOUS-FLOW STIRRED TANK REACTOR  
JOURNAL OF PHYSICAL CHEMISTRY, 89: 5495-5499 (1985)
45. Koros E, Varga M, Gyorgyi L  
THOROUGH STUDY OF BROMIDE CONTROL IN BROMATE OSCILLATORS .1. THE EFFECT  
OF BROMO-COMPLEX-FORMING METAL-IONS  
MAGYAR KEMIAI FOLYOIRAT, 91: 248-256 (1985)
- \*46. Noszticzius Z, Stirling P, Wittmann M  
MEASUREMENT OF BROMINE REMOVAL RATE IN THE OSCILLATORY BZ REACTION OF  
OXALIC-ACID - TRANSITION FROM LIMIT-CYCLE OSCILLATIONS TO EXCITABILITY VIA  
SADDLE NODE INFINITE PERIOD BIFURCATION  
JOURNAL OF PHYSICAL CHEMISTRY, 89: 4914-4921 (1985)
47. Rastogi RP, Yadava RD, Singh S, Sharma A  
NEW BROMATE-DRIVEN OSCILLATORS CONTAINING MIXED ORGANIC SUBSTRATES  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC, 24: 43-44  
(1985)
48. Ruoff P  
PHASE RESPONSE RELATIONSHIPS AS AN ANALYTICAL TOOL IN INVESTIGATING  
CHEMICAL OSCILLATING REACTIONS .1. A CRUCIAL TEST BETWEEN EXPLODATOR  
AND OREGONATOR-TYPE MODELS DESCRIBING THE AG+-PERTURBED BELOUSOV-  
ZHABOTINSKY REACTION  
JOURNAL OF CHEMICAL PHYSICS, 83: 2000-2001 (1985)
49. Sevcik P, Adamcikova L  
THE OSCILLATING BELOUSOV-ZHABOTINSKY TYPE REACTION WITH SACCHARIDES  
JOURNAL OF PHYSICAL CHEMISTRY, 89: 5178-5179 (1985)
50. Sevcik P, Dubovska J

- OSCILLATIONS OF BROMINE IN BELOUSOV-ZHABOTINSKII TYPE REACTION WITH OXALIC-ACID  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 50: 1450-1456 (1985)
51. Sevcik P, Adamcikova L  
BROMINE AND PERIOD OF BELOUSOV-ZHABOTINSKII TYPE OSCILLATION REACTION  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 50: 799-805 (1985)
52. Tkac I, Treindl L  
INFLUENCE OF OXYGEN ON THE BELOUSOV-ZHABOTINSKII OSCILLATING REACTION  
.2. LIBERATION OF GASEOUS REACTION-PRODUCTS AND CONCENTRATION  
OSCILLATIONS OF OXYGEN  
CHEMICKE ZVESTI, 39: 161-174 (1985)
53. Adamcikova L, Sevcik P  
OSCILLATION REACTIONS OF BELOUSOV-ZHABOTINSKII TYPE WITH HYDROXY-ACIDS  
IN CLOSED SYSTEMS WITHOUT REMOVAL OF BROMINE  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 51: 2685-2692 (1986)
54. Gaspar V, Galambosi P  
BIFURCATION DIAGRAM OF THE OSCILLATORY BELOUSOV-ZHABOTINSKII SYSTEM  
OF OXALIC-ACID IN A CONTINUOUS-FLOW STIRRED TANK REACTOR - FURTHER  
POSSIBLE EVIDENCE OF SADDLE NODE INFINITE PERIOD BIFURCATION BEHAVIOR OF  
THE SYSTEM  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 2222-2226 (1986)
55. McKinnon CK, Field RJ  
CONTINUOUSLY STIRRED TANK REACTOR BISTABILITY IN THE BELOUSOV-  
ZHABOTINSKII REACTION - OREGONATOR AND EXPLODATOR MODELS  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 166-168 (1986)
56. Szamosi J, Lasky SJ  
CHAOTIC RELAXATION IN A CHLORITE IODIDE SYSTEM  
JOURNAL OF PHYSICAL CHEMISTRY, 90: 1995-1996 (1986)
57. Vidal C, Hanusse P  
NONEQUILIBRIUM BEHAVIOR IN ISOTHERMAL LIQUID CHEMICAL-SYSTEMS  
INTERNATIONAL REVIEWS IN PHYSICAL CHEMISTRY, 5: 1-55 (1986)
- \*58. Noszticzus Z, Wittmann M, Stirling P  
BIFURCATION FROM EXCITABILITY TO LIMIT-CYCLE OSCILLATIONS AT THE END OF  
THE INDUCTION PERIOD IN THE CLASSICAL BELOUSOV- ZHABOTINSKY REACTION  
JOURNAL OF CHEMICAL PHYSICS, 86: 1922-1926 (1987)
- \*59. Qi OY, Tam WY, Dekepper P, McCormick WD, Noszticzus Z, Swinney HL  
BUBBLE-FREE BELOUSOV-ZHABOTINSKII-TYPE REACTIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 91: 2181-2184 (1987)
60. Reddy CS, Sundaram EV  
KINETICS OF BROMATE - OXALIC-ACID REACTION  
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, 64: 543-546 (1987)
61. Sevcik P, Adamcikova L  
KINETICS OF COMPONENT REACTIONS OF THE BELOUSOV-ZHABOTINSKII TYPE  
OSCILLATION SYSTEM WITH OXALIC-ACID AND HYPOPHOSPHITE IONS  
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 52: 2125-2131 (1987)
62. Sasaki Y  
A SIMULATION OF BROMATE-CERIUM-OXALIC ACID OSCILLATIONS  
BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN, 61: 1479-1483 (1988)
63. Adamcikova L, Sevcik P  
EFFECT OF INERT-GAS FLOW-RATE ON THE INORGANIC BROMATE OSCILLATOR  
ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE NEUE FOLGE, 162: 21-26 (1989)
64. Blume R, Wiechoczek D, Meier H, Wedekind F  
DEGRADATION OF LACTIC-ACID AND PYRUVIC-ACID IN BELOUSOV- ZHABOTINSKII  
REACTIONS  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL, 44: 598-  
608 (1989)

65. Sevcik P, Adamcikova L  
STIRRING RATE EFFECT IN THE CLOSED, BATCH BELOUSOV-ZHABOTINSKY SYSTEM WITH OXALIC-ACID  
JOURNAL OF CHEMICAL PHYSICS, 91: 1012-1014 (1989)
66. Adamcikova L, Schreiber I  
EXPERIMENTAL-STUDY OF COUPLED CHEMICAL OSCILLATORS OF THE BELOUSOV-ZHABOTINSKII TYPE  
CHEMICAL PAPERS-CHEMICKE ZVESTI, 44: 441-450 (1990)
67. Rabai G, Epstein IR  
SYSTEMATIC DESIGN OF CHEMICAL OSCILLATORS .63. LARGE-AMPLITUDE PH OSCILLATION IN THE OXIDATION OF HYDROXYLAMINE BY IODATE IN A CONTINUOUS-FLOW STIRRED TANK REACTOR  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 6361-6365 (1990)
68. Rastogi RP, Misra GP  
JUG HANDLE BIFURCATION AND COMPLEX OSCILLATIONS IN REACTIVE SYSTEMS  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC, 29: 941-944 (1990)
69. Sevcik P, Hlavacova J  
NUMERICAL-SIMULATION OF OSCILLATION REACTION OF THE BELOUSOV-ZHABOTINSKII TYPE IN THE PRESENCE OF OXALIC-ACID  
CHEMICAL PAPERS-CHEMICKE ZVESTI, 44: 451-466 (1990)
70. Sevcik P, Guranova O  
SOURCE OF THE BROMIDE IONS IN THE OSCILLATION REACTION OF THE BELOUSOV-ZHABOTINSKII TYPE WITH D-GLUCOSE  
CHEMICAL PAPERS-CHEMICKE ZVESTI, 44: 467-475 (1990)
71. Weigt HR  
OSCILLATING CHEMILUMINESCENCE OF BELOUSOV-ZHABOTINSKIY SYSTEMS WITH OXALIC-ACID  
ZEITSCHRIFT FUR CHEMIE, 30: 260-260 (1990)
72. Zhang YX, Field RJ  
SIMULATION OF THE  $\text{BrO}_3^-$ - $\text{Mn(III)/Mn(II)}$ - $\text{H}_3\text{PO}_2$ - $\text{H}_2\text{SO}_4$  HETEROGENEOUS CHEMICAL OSCILLATOR  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 7154-7161 (1990)
73. Buhse T, Thiemann W  
CHIRAL INTERMEDIATES AND THE OSCILLATORY EFFECT OF CIRCULAR-DICHROISM IN THE BELOUSOV-ZHABOTINSKII TYPE REACTION OF L-ASCORBIC-ACID  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL, 46: 1406-1414 (1991)
74. Hlavacova J, Sevcik P  
A SIMULATION OF THE BELOUSOV-ZHABOTINSKII REACTION WITH OXALIC-ACID WITHOUT BROMINE REMOVAL  
CHEMICAL PHYSICS LETTERS, 182: 588-594 (1991)
75. Ou CC, Jwo JJ  
KINETIC-STUDY OF SOME REACTIONS RELATED TO THE  $\text{Mn(II)}$ -CATALYZED BROMATE-SACCHARIDE OSCILLATING REACTIONS  
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 23: 137-149 (1991)
76. Valent I, Adamcikova L  
REDUCTION KINETICS OF BROMATE WITH THIOCYANATE AND DYNAMICS OF THE CLOSED SYSTEM  $\text{BrO}_3^-$ - $\text{SCH}^-$ - $\text{HClO}_4$   
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 56: 1565-1574 (1991)
77. Hlavacova J, Adamcikova L, Sevcik P  
MODELS, MECHANISM AND NUMERICAL SIMULATIONS OF THE BELOUSOV-ZHABOTINSKI REACTION  
CHEMICKE LISTY, 86: 796-806 (1992)
78. Pojman JA, Dedeaux H, Fortenberry D  
SURFACE-INDUCED STIRRING EFFECTS IN THE  $\text{Mn}$ -CATALYZED BELOUSOV-

ZHABOTINSKII REACTION WITH A MIXED HYPOPHOSPHITE ACETONE SUBSTRATE IN A BATCH REACTOR

JOURNAL OF PHYSICAL CHEMISTRY, 96: 7331-7333 (1992)

79.Rastogi RP, Misra GP, Das I, Sharma A

SEQUENTIAL OSCILLATIONS IN BROMINE HYDROLYSIS CONTROLLED OSCILLATORS IN A CLOSED REACTOR

JOURNAL OF PHYSICAL CHEMISTRY, 97: 2571-2575 (1993)

80.Ruoff P

EXCITATIONS INDUCED BY FLUCTUATIONS - AN EXPLANATION OF STIRRING EFFECTS AND CHAOS IN CLOSED ANAEROBIC CLASSICAL BELOUSOV-ZHABOTINSKY SYSTEMS

JOURNAL OF PHYSICAL CHEMISTRY, 97: 6405-6411 (1993)

81.Sevcik P, Snircova M, Hlavacova J

KINETICS AND SIMULATIONS OF THE MALONIC ACID-BROMINE REACTION

REACTION KINETICS AND CATALYSIS LETTERS, 52: 161-168 (1994)

82.Wu XM, Schelly ZA, Vastano JA

NONLINEAR DYNAMICAL BEHAVIOR OF THE LIMITED EXPLODATOR IN A CSTR UNDER SQUARE-WAVE PERTURBATION OF THE FLOW-RATE

PHYSICA D, 74: 74-89 (1994)

83.Adamcikova L, Sevcik P

SEQUENTIAL OSCILLATIONS IN UNCATALYZED BROMATE OSCILLATOR IN A CLOSED REACTOR

REACTION KINETICS AND CATALYSIS LETTERS, 56: 137-142 (1995)

84.Sevcik P

EFFECT OF A PRESSURE DECREASE ON THE OSCILLATING BELOUSOV- ZHABOTINSKY REACTION WITH OXALIC-ACID

JOURNAL OF CHEMICAL RESEARCH-S: 154-155 (1995)

85.Chase MW

NIST-JANAF thermochemical tables for the bromine oxides

JOURNAL OF PHYSICAL AND CHEMICAL REFERENCE DATA, 25: 1069-1111 (1996)

86.Li HX, Huang XJ

Dual-frequency oscillations induced by bromide ion

CHEMICAL PHYSICS LETTERS, 255: 137-141 (1996)

87.Adamcikova L, Kucarova K, Sevcik P

The Belousov-Zhabotinskii oscillatory reaction involving some organic chiral substrates

COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 62: 739-745 (1997)

88.Li HX

Experimental studies on the complex oscillatory behaviour in gallic acid  $\text{BrO}_3^-$ - $\text{Mn}^{2+}$ - $\text{H}_2\text{SO}_4$  system

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC, 36: 823-828

(1997)

89.Li HX, Jin RH, Dai WL, Deng JF

Dual-frequency oscillations induced by acidity in Belousov- Zhabotinskii reactions with aldoses as substrates

CHEMICAL PHYSICS LETTERS, 274: 41-46 (1997)

90.Li HX, Shen C

A completely inorganic BZ-type oscillator in a closed homogeneous system

BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN, 70: 1539-1543 (1997)

91.Li HX

Study on the dual-frequency oscillations in galactose-BZ system

CHINESE JOURNAL OF CHEMISTRY, 15: 25-30 (1997)

92.Epstein I R, Pojman J A

An Introduction to Nonlinear Chemical Dynamics

Oxford University Press: (1998)

93.Epstein I R, Pojman J A

AN INTRODUCTION TO NONLINEAR CHEMICAL DYNAMICS

New York: Oxford University Press, 1998.

94.Guedes MC, Faria RB



Complex oscillations in the bromate oxalic acid acetone- manganese(II)-sulfuric acid reaction in batch  
JOURNAL OF PHYSICAL CHEMISTRY A, 102: 1973-1975 (1998)

95.Lee SS, Jwo JJ

Kinetic study of the Ce(III)- or Mn(II)-catalyzed Belousov- Zhabotinsky reactions with mixed organic acid/ketone substrates

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 30: 595-604 (1998)

96.Li HX, Ni LH, Qian SF, Dai L, Li PH, Liu B

Study on the homogeneous inorganic Belousov-Zhabotinskii (BZ) type oscillating reaction in closed system

ACTA CHIMICA SINICA, 56: 347-352 (1998)

97.Li HX, Jin RH

Belousov-Zhabotinskii type oscillations with amino acids or peptides as organic substrates in the presence of Mn<sup>2+</sup> and Fe(phen)<sub>3</sub>(<sup>2+</sup>) as coupled catalysts

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 30: 243-247 (1998)

98.Berenstein I, Agreda J, Barragan D

Induction period in the BrO<sub>3</sub><sup>-</sup>, Ce(III), H<sub>2</sub>SO<sub>4</sub>, oxalic acid and ketone oscillating reaction

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 1: 4601-4603 (1999)

\*99.Nagygyory S, Wittmann M, Pinter S, Visegrady A, Dancso A, Thuy NB, Noszticzius Z, Hegedus L, Forsterling HD

Alternative reaction channels and carbene intermediates in the Ce<sup>4+</sup>-malonic acid and Ce<sup>4+</sup>-bromomalonic acid reactions. 1. CO<sub>2</sub> measurements

JOURNAL OF PHYSICAL CHEMISTRY A, 103: 4885-4892 (1999)

\*100.Hegedus L, Forsterling HD, Kokai E, Pelle K, Taba G, Wittmann M, Noszticzius Z

Chemical mechanism of the radical feedback loop in the classical BZ reaction. Malonyl bromite and oxalic acid as flow- through intermediates

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2: 4023-4028 (2000)

101.Biswas S, Mukherjee K, Mukherjee DC, Moulik SP

Belousov-Zhabotinsky oscillations in bromate-oxalic acid-MnSO<sub>4</sub>- H<sub>2</sub>SO<sub>4</sub>-acetone system in nonionic surfactant medium. A calorimetric study

JOURNAL OF PHYSICAL CHEMISTRY A, 105: 8857-8863 (2001)

102.Li H X, Wang Q

Bulletin of the Chemical Society of Japan, V74: (N10) P1817-1821 (2001)

103.Biswas S, Mukherjee K, Mukherjee DC, Moulik SP

Thermal oscillations in the bromate-oxalic acid-MnSO<sub>4</sub>- H<sub>2</sub>SO<sub>4</sub>- acetone system: A calorimetric study

CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE, 80: 1204-1209 (2002)

104.Li HX, Wang Q, Zhou HN

Studies on the oscillating reactions in closed serine-BrO<sub>3</sub><sup>-</sup>- Mn<sup>2+</sup>-H<sub>2</sub>SO<sub>4</sub> system

ACTA CHIMICA SINICA, 60: 246-250 (2002)

105.Pal SC, Banerjee RS

Chemical oscillation

JOURNAL OF THE INDIAN CHEMICAL SOCIETY, 79: 393-408 (2002)

106.Taylor A F

Prog. React. Kinet. Mec., 27: (4) 247-325 (2002)

\*107. Pelle K, Wittmann M, Noszticzius Z, et al.

[Perturbation of the oscillatory BZ reaction with methanol and ethylene glycol: Experiments and model calculations](#)

JOURNAL OF PHYSICAL CHEMISTRY A 107 (12): 2039-2047 MAR 27 2003

108. Biswas S, Mukherjee K, Mukherjee DC, et al.

[A comprehensive report on the study of B-Z oscillatory reactions BrO<sub>3</sub><sup>-</sup>-GA and BrO<sub>3</sub><sup>-</sup>-oxalic acid-acetone systems](#)

JOURNAL OF THE INDIAN CHEMICAL SOCIETY 80 (5): 479-498 MAY 2003

109. Kumli PI, Burger M, Hauser MJB, et al.

[Oscillations in the Belousov-Zhabotinsky reaction with sorbitol in the presence of bromine](#)

PHYSICAL CHEMISTRY CHEMICAL PHYSICS 5 (24): 5454-5458 DEC 15 2003

110. Rastogi RP, Singh SN, Chand P

[Oscillatory characteristics of a B-Z reacting system with xylose and oxalic acid as mixed substrate](#)

CHEMICAL PHYSICS LETTERS 385 (5-6): 403-408 FEB 16 2004

\*111. Pelle K, Wittmann M, Lovrics K, et al.

[Mechanistic investigations of the BZ reaction with oxalic acid substrate. I. The oscillatory parameter region and rate constants measured for the reactions of HOBr, HBrO<sub>2</sub>, and acidic BrO<sub>3</sub><sup>-</sup> with oxalic acid](#)

JOURNAL OF PHYSICAL CHEMISTRY A 108 (25): 5377-5385 JUN 24 2004

112. Pereira JAM, Faria RB

[Oscillatory bromate-oxalic acid-Ce-acetone-sulfuric acid reaction, in CSTR](#)

JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY 15 (6): 976-978 NOV-DEC 2004

1978

Oláh K, Vajta Zs, Noszticzius Z, Patonay G, Mudri I

104 Kénvegyületek lángfotometriás detektálása

MÉRÉS ÉS AUTOMATIKA: 458-461 (1978)

1977

Schubert A, Noszticzius Z

105 ELECTROLYTE-DIODE - AN EXPERIMENTAL-STUDY - POLARIZATION PHENOMENA AT JUNCTION OF AQUEOUS-SOLUTIONS OF AN ACID AND A BASE .2

PERIODICA POLYTECH MECH ENG 21: 279-283 (1977)

Passiniemi P, Liukkonen S, Noszticzius Z

CLOSED CAPILLARY METHOD FOR TRACER DIFFUSION MEASUREMENTS IN LIQUIDS

J CHEM SOC FAR T II 73: 1834-1839 (1977)

IF: 1.033

Független idéző: 6 Függo idéző: 4 Összesen: 10

1.Kepak F

BEHAVIOR OF RADIONUCLIDES IN AQUEOUS-SOLUTIONS AND THEIR SORPTION ON HYDRATED OXIDES AND SOME INSOLUBLE SALTS

ATOMIC ENERGY REVIEW: 5-62 (1981)

\*2.Passiniemi P

ACCURATE TRACER DIFFUSION-COEFFICIENTS OF NA<sup>+</sup> AND CL<sup>-</sup> IONS IN DILUTE AQUEOUS SODIUM-CHLORIDE SOLUTIONS MEASURED WITH THE CLOSED CAPILLARY METHOD

JOURNAL OF SOLUTION CHEMISTRY, 12: 801-813 (1983)

3.Mills R, Perera A, Simonin JP, Orcil L, Turq P

COUPLING OF DIFFUSION-PROCESSES IN MULTICOMPONENT ELECTROLYTE- SOLUTIONS

JOURNAL OF PHYSICAL CHEMISTRY, 89: 2722-2725 (1985)

\*4.Gosman A, Liukkonen S, Passiniemi P

106 ADSORPTION AND DIFFUSION AT LOW ELECTROLYTE CONCENTRATIONS

JOURNAL OF PHYSICAL CHEMISTRY, 90: 6051-6053 (1986)

5.Simonin J P Mills R, Perera A, Turq P, Tallet F

J. Sol. Chem., 15: 1015 (1986)

6.Simonin JP, Turq P, Soualhia E, Michard G, Gaillard JF

TRANSPORT COUPLING OF IONS - INFLUENCE OF ION-PAIRING AND PH GRADIENT - APPLICATION TO THE STUDY OF DIAGENETIC FLUXES

CHEMICAL GEOLOGY, 78: 343-356 (1989)

7.Wright J E, Stevens G W, Kelly E D, White L R

Aiche J., 40: 365-368 (1994)

8.Nzikou J M, Baklouti M, Vincent L M, Lopicque F

Chem. Eng. Process, 36: (2) 161-165 (1997)

\*9.Ahl J, Liukkonen S

Tracer diffusion of sodium-22 chloride in MgCl<sub>2</sub>-H<sub>2</sub>O-solutions

ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF, 211: 69-83 (1999)

\*10.Ahl J, Liukkonen S

Determination of tracer diffusion coefficients of (NaCl)-Na-22 as function of magnesium chloride concentration in water at 25 degrees C

11. Ahl J

[Salt diffusion in brick structures - Part II - The effect of temperature, concentration and salt](#)

JOURNAL OF MATERIALS SCIENCE 39 (13): 4247-4254 JUL 1 2004

Noszticzus Z

PERIODIC CARBON-MONOXIDE EVOLUTION IN AN OSCILLATING REACTION

J PHYS CHEM 81: 185-186 (1977)

IF: 2.049

Független idéző: 13 Függo idéző: 5 Összesen: 18

Field R J

1. Chemistry of Inorganic System Exhibiting Nonmonotonic Behavior  
(4) Academic Press, 1978. (Theoretical Chemistry; 4.)

Fujii H, Sawada Y

2. PHASE-DIFFERENCE LOCKING OF COUPLED OSCILLATING CHEMICAL SYSTEMS  
JOURNAL OF CHEMICAL PHYSICS, 69: 3830-3832 (1978)

Noszticzus Z, Bodiss J

- \* 3. HETEROGENEOUS CHEMICAL OSCILLATOR - BELOUSOV-ZHABOTINSKII-TYPE  
REACTION OF OXALIC-ACID  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 101: 3177-3182 (1979)

4. Yamazaki H, Oono Y, Hirakawa K  
J. Phys. JPN, 46: (3) 721-728 (1979)

Burger M, Koros E

5. CONDITIONS FOR THE ONSET OF CHEMICAL OSCILLATION  
JOURNAL OF PHYSICAL CHEMISTRY, 84: 496-500 (1980)

Noszticzus E, Kalmar D, Noszticzus Z

- \* 6. A NOVEL METHOD FOR DETERMINATION OF ENZYME-ACTIVITIES  
ACTA CHIMICA ACADEMIAE SCIENTARUM HUNGARICAE, 103: 225-230 (1980)

Noszticzus Z, Bodiss J

- 107 \* 7. INVESTIGATION OF THE POSSIBILITIES OF FORMIC-ACID FORMATION IN THE  
BELOUSOV-ZHABOTINSKII OSCILLATORY REACTION  
MAGYAR KEMIAI FOLYOIRAT, 86: 2-8 (1980)

Nagashima H

8. EXPERIMENT ON CHAOTIC RESPONSES OF A FORCED BELOUSOV- ZHABOTINSKY  
REACTION  
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 51: 21-22 (1982)

Ruoff P

9. EXCITABILITY IN A CLOSED STIRRED BELOUSOV-ZHABOTINSKII SYSTEM  
CHEMICAL PHYSICS LETTERS, 90: 76-80 (1982)

Forsterling HD, Idstein H, Pacht R, Schreiber H

10. FORMATION OF CARBON-DIOXIDE IN THE BELOUSOV-ZHABOTINSKY- REACTION  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 39: 993-  
997 (1984)

Field R J

11. In: Oscillations and Traveling Waves in Chemical System (szerk.) Field, R.J.; Burger, M., Wiley,  
1985.

Tkac I, Treindl L

12. INFLUENCE OF OXYGEN ON THE BELOUSOV-ZHABOTINSKII OSCILLATING REACTION  
.2. LIBERATION OF GASEOUS REACTION-PRODUCTS AND CONCENTRATION  
OSCILLATIONS OF OXYGEN  
CHEMICKE ZVESTI, 39: 161-174 (1985)

Qi OY, Tam WY, Dekepper P, McCormick WD, Noszticzus Z, Swinney HL

- \* 13. BUBBLE-FREE BELOUSOV-ZHABOTINSKII-TYPE REACTIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 91: 2181-2184 (1987)

Sevcik P, Adamcikova I

14. STIRRING RATE EFFECTS IN THE BELOUSOV-ZHABOTINSKII REACTION

- CHEMICAL PHYSICS LETTERS, 146: 419-421 (1988)  
Degn H, Lauritsen FR
15. GAS-EXCHANGE RATES IN THE BELOUSOV-ZHABOTINSKII REACTION DETERMINED WITH MEMBRANE INLET MASS-SPECTROMETRY  
JOURNAL OF PHYSICAL CHEMISTRY, 93: 2781-2783 (1989)  
Gyorgyi L, Turanyi T, Field RJ
16. MECHANISTIC DETAILS OF THE OSCILLATORY BELOUSOV-ZHABOTINSKII REACTION  
JOURNAL OF PHYSICAL CHEMISTRY, 94: 7162-7170 (1990)  
Nagyungvarai Z, Hess B
17. CONTROL OF DYNAMIC PATTERN-FORMATION IN THE BELOUSOV-ZHABOTINSKY REACTION  
PHYSICA D, 49: 33-39 (1991)  
Nagygyory S, Wittmann M, Pinter S, Visegrady A, Dancso A, Thuy NB, Noszticzius Z, Hegedus L, Forsterling HD
- \* 18. Alternative reaction channels and carbene intermediates in the Ce<sup>4+</sup>-malonic acid and Ce<sup>4+</sup>-bromomalonic acid reactions. 1. CO<sub>2</sub> measurements  
JOURNAL OF PHYSICAL CHEMISTRY A, 103: 4885-4892 (1999)
- Farkas H, Noszticzius Z  
108 VARIATIONAL METHOD FOR SOLVING HEAT CONDUCTIONAL PROBLEMS  
PERIODICA POLYTECH ELECTR ENG 21: 239-242 (1977)  
IF: 0.032
- 1976  
Passiniemi P, Noszticzius Z  
FITTING THE SOLUTION OF THE DIFFUSION EQUATION TO MEASURED DATA IN TRACER-DIFFUSION EXPERIMENTS  
FINN CHEM LETT 3: 189-191 (1976)  
IF: 0.392  
Független idéző: 3 Függo idéző: 2 Összesen: 5
- Passiniemi P, Liukkonen S, Noszticzius Z
- \* 1. CLOSED CAPILLARY METHOD FOR TRACER DIFFUSION MEASUREMENTS IN LIQUIDS  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS I, 73: 1834-1839 (1977)
- Passiniemi P, Liukkonen S, Rastas J
- \* 2. BETA-ACTIVE TRACERS - SELF-DIFFUSION OF CL<sup>-</sup> IN AQUEOUS NaCl  
109 ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 32: 513-514 (1977)
- Simonin JP, Mills R, Perera A, Turq P, Tallet F
3. CLOSED CAPILLARY METHOD FOR THE DIFFUSION OF BIOLOGICAL MACROMOLECULES  
JOURNAL OF SOLUTION CHEMISTRY, 15: 1015-1030 (1986)
- Cardarelli F, Chemla M, Simonin JP, Turq P
4. Formulation for the preparation of a beta scintillating plastic device  
OPTICAL MATERIALS, 4: 735-740 (1995)
- Ahl J, Liukkonen S
5. Tracer diffusion of sodium-22 chloride in MgCl<sub>2</sub>-H<sub>2</sub>O-solutions  
ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF, 211: 69-83 (1999)
- Noszticzius Z, Liukkonen S, Passiniemi P, Rastas J  
OPTIMAL CONDITIONS AND MEASURING FUNCTIONALS IN MEASUREMENTS OF DIFFUSION-COEFFICIENTS  
J CHEM SOC FAR T II 72: 2537-2544 (1976)  
110 IF: 1.561  
Független idéző: 3
1. Mills R, Perera A, Simonin J P, Orcil L, Turq P  
J.Phys.Chem., 89: 2722 (1985)
2. Simonin J P, Mills R, Perera A, Turq P, Tallet F

J.Sol.Chem., 15: 1015 (1986)

3. Das A, Changdar S N  
Appl. Rad. IS, 45: 335-339 (1994)

Liukkonen S, Passiniemi P, Noszticzius Z, Rastas J  
THEORY OF TRACER DIFFUSION MEASUREMENTS IN LIQUID-SYSTEMS  
J CHEM SOC FAR T II 72: 2836-2843 (1976)  
IF: 1.561

Független idézo: 8 Függo idézo: 7 Összesen: 15

\*1.Passiniemi P, Liukkonen S, Noszticzius Z  
CLOSED CAPILLARY METHOD FOR TRACER DIFFUSION MEASUREMENTS IN LIQUIDS  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS I, 73: 1834-1839 (1977)

\*2.Passiniemi P, Liukkonen S, Rastas J  
OPEN-ENDED PLASTIC CAPILLARY METHOD FOR DIFFUSION EXPERIMENTS WITH BETA-ACTIVE TRACERS - SELF-DIFFUSION OF CL- IN AQUEOUS NA CL  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL, 32: 513-514 (1977)

\*3.Passiniemi P  
ACCURATE TRACER DIFFUSION-COEFFICIENTS OF NA+ AND CL- IONS IN DILUTE AQUEOUS SODIUM-CHLORIDE SOLUTIONS MEASURED WITH THE CLOSED CAPILLARY METHOD  
JOURNAL OF SOLUTION CHEMISTRY, 12: 801-813 (1983)

4.Mills R, Perera A, Simonin JP, Orcil L, Turq P  
COUPLING OF DIFFUSION-PROCESSES IN MULTICOMPONENT ELECTROLYTE- SOLUTIONS  
JOURNAL OF PHYSICAL CHEMISTRY, 89: 2722-2725 (1985)

5.Simonin JP, Mills R, Perera A, Turq P, Tallet F  
CLOSED CAPILLARY METHOD FOR THE DIFFUSION OF BIOLOGICAL MACROMOLECULES  
JOURNAL OF SOLUTION CHEMISTRY, 15: 1015-1030 (1986)

111 6.Simonin JP, Gaillard JF, Turq P, Soualhia E  
DIFFUSION COUPLING IN ELECTROLYTE-SOLUTIONS .1. TRANSIENT EFFECTS ON A TRACER ION - SULFATE  
JOURNAL OF PHYSICAL CHEMISTRY, 92: 1696-1700 (1988)

7.Chakraborti H, Changdar SN  
APPLICATION OF A RADIOACTIVE-TRACER METHOD FOR DIFFUSION STUDY IN SOME LIQUIDS  
PRAMANA-JOURNAL OF PHYSICS, 37: 105-114 (1991)

8.Latrous H, Oliver J  
SELF-DIFFUSION COEFFICIENTS AND STRUCTURE OF THE TRIVALENT TRANSPLUTONIUM ION CURIUM AND GADOLINIUM IN AQUEOUS-SOLUTION  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES, 156: 291-296 (1992)

9.Simonin JP, Turq P, Calado A  
DIFFUSION COUPLING IN ELECTROLYTE-SOLUTIONS .2. PSEUDOOSCILLATIONS INDUCED BY A PH GRADIENT  
JOURNAL OF PHYSICAL CHEMISTRY, 97: 5019-5023 (1993)

10.Cardarelli F, Chemla M, Simonin JP, Turq P  
Formulation for the preparation of a beta scintillating plastic device  
OPTICAL MATERIALS, 4: 735-740 (1995)

\*11.Passiniemi P  
SIMPLE METHOD FOR DETERMINING WATER DIFFUSION-COEFFICIENT IN CONDUCTING POLYMERS  
SYNTHETIC METALS, 69: 685-686 (1995)

\*12.Passiniemi P  
GENERAL-THEORY FOR DETERMINATION OF DIFFUSION-COEFFICIENTS OF SOLVENTS AND GASES IN POLYMERS  
POLYMER, 36: 341-344 (1995)

\*13.Ahl J, Liukkonen S

Tracer diffusion of sodium-22 chloride in MgCl<sub>2</sub>-H<sub>2</sub>O-solutions  
ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF, 211: 69-83  
(1999)

\*14. Ahl J, Liukkonen S

Determination of tracer diffusion coefficients of (NaCl)-Na-22 as function of magnesium chloride concentration in water at 25 degrees C  
CZECHOSLOVAK JOURNAL OF PHYSICS, 49: 867-872 (1999)

15. Changdar S N

Indian J. Pure AP Phys, 40: (12) 857-861 (2002)

16. Ahl J

[Salt diffusion in brick structures - Part II - The effect of temperature, concentration and salt](#)  
JOURNAL OF MATERIALS SCIENCE 39 (13): 4247-4254 JUL 1 2004

1973

Noszticzus Z, Schubert A

112 Electrolyte diode I. Analysis of isothermal transport processes in the interfaces of aqueous solution of acids and bases  
PERIODICA POLYTECHNICA 17: 165-177 (1973)

1971

Hegedüs D, Noszticzus Z, Erdey L

113 Nyomnyi mennyiségű réz meghatározása cink-szulfidban neutronaktivációs analízissel  
MAGYAR KÉMİKUSOK LAPJA 7: 344-347 (1971)  
IF: 0.146

Farkas H, Noszticzus Z

On the non-linear generalization of the Gyarmati principle and theorem  
ANN PHYS-LEIPZIG 27: 341 (1971)

IF: 0.358

Független idéző: 19

1. Verhás J

Z.Phys.Chem. L, 249: 119 (1972)

2. Vincze G

Acta Chim.Hung., 75: 33 (1972)

3. Vincze G

Ann.Phys., 30: 55 (1973)

4. Gyarmati I

Ann.Phys., 31: 18 (1974)

5. Stark A

Ann. Phys., 31: 53 (1974)

114

Zotin A I

6. Thermodynamiceszközök podhod k problémama razivítija, rosztá i sztárénijja.  
Moszkva: Nauka, 1974.

Zotin A I

7. Thermodynamika biologiceszközök processzov.  
Moszkva: Nauka, 1976.

8. Gyarmati I

J.Non-Eq.Thermodyn., 2: 233 (1977)

9. Verhás J

Per.Pol.EE, 21: 271 (1977)

Presnov E V

Formalism of Non-Equilibrium Phenomenological Thermodynamics.

10. In: Thermodynamics of Biological Processes (szerk.) Lamprecht, I.; Zotin, A.I., Walter de Guyter, 1978.

11. Dancsó A

Acta Chim.Hung., 102: 351 (1979)

12. Fekete D



- Phys.Stat.Sol. B, 105: 161 (1981)
13. Lengyel S  
Kém.Közl., 55: 311 (1981)
  14. Fekete D  
Zh.Fiz.Khim., 57: 2700 (1983)
  15. Muschik W, Trostel R  
Angew Math Mech, 63: (4) 190-192 (1983)
  16. Lengyel A  
J.Chem.Phys., 88: 1617 (1988)
  17. Lengyel S  
Z PHYS CHEM (LEIPZIG), 270: 577-589 (1989)
  18. Ciancio V, Verhas J  
J NON-EQUIL THERMODYN, 19: (2) 184-194 (1994)
  19. van P  
J NON-EQUIL THERMODYN, 21: (1) 17-29 (1996)

1969

Noszticzius Z  
Öndiffúziós állandó mérése elektrolitoldatokban  
KÉMIAI KÖZL 32: 115-120 (1969)

115 IF: 0.276

Független idéző: 1

1. Ahl J, Liukkonen S  
Z PHYS CHEM, 211: (P1) 69-83 (1999)

Saját közlemények száma: 115  
Idézetek száma: 1721  
Független idézetek száma: 1451  
Függo idézetek száma: 270  
Nem vizsgált idézetek száma: 0  
Összegzett impakt faktor: 185.519