

Vilmos Gáspár

List of Publications by Year in descending order

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papers

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687363

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docs citations

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598
citing authors

#	ARTICLE	IF	CITATIONS
1	Abrupt and gradual onset of synchronized oscillations due to dynamical quorum sensing in the single-cathode multi-anode nickel electrodisolution system. <i>Chaos</i> , 2019, 29, 033114.	2.5	6
2	Delayed feedback induced multirhythmicity in the oscillatory electrodisolution of copper. <i>Chaos</i> , 2015, 25, 064608.	2.5	9
3	Quantitative dynamical relationships for the effect of rotation rate on frequency and waveform of electrochemical oscillations. <i>Chemical Engineering Science</i> , 2012, 83, 56-65.	3.8	10
4	Synchronization of electrochemical oscillators of S-NDR type. <i>Electrochimica Acta</i> , 2009, 55, 383-394.	5.2	8
5	Comment on "Simple KBrO ₃ , H ₂ SO ₄ Batch Oscillator", <i>Journal of Physical Chemistry A</i> , 2009, 113, 7979-7980.	2.5	0
6	Scaling relationship for oscillating electrochemical systems: dependence of phase diagram on electrode size and rotation rate. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7669.	2.8	20
7	Tracking unstable steady states and periodic orbits of oscillatory and chaotic electrochemical systems using delayed feedback control. <i>Chaos</i> , 2006, 16, 033109.	2.5	31
8	Experimental Strategy for Characterization of Essential Dynamical Variables in Oscillatory Systems: Effect of Double-Layer Capacitance on the Stability of Electrochemical Oscillators. <i>Journal of Physical Chemistry A</i> , 2005, 109, 9521-9527.	2.5	14
9	Modelling wave propagation across a series of gaps. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4677-4681.	2.8	11
10	Measurements of kinematical parameters of spiral waves in media of low excitability. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 4747-4752.	2.8	23
11	Controlling Chaos with Artificial Neural Network: Numerical Studies and Experiments. <i>Journal of Physical Chemistry A</i> , 2000, 104, 8033-8037.	2.5	15
12	Wave initiation in the ferroin-catalysed Belousov-Zhabotinsky reaction with visible light. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 413-416.	2.8	33
13	Experiments on Synchronization and Control of Chaos on Coupled Electrochemical Oscillators. <i>Journal of Physical Chemistry B</i> , 2000, 104, 7554-7560.	2.6	43
14	Stability Analysis of the Oscillatory Electrodisolution of Copper with Impedance Spectroscopy. <i>Journal of Physical Chemistry A</i> , 1998, 102, 909-914.	2.5	28
15	Platinum as a Chlorine Dioxide/Chlorite Redox Electrode in ClO ₂ -Based Oscillating Reactions and a New Semibatch Oscillator: The ClO ₂ -Acetone System with I-Inflow. <i>Journal of Physical Chemistry B</i> , 1997, 101, 3720-3726.	2.6	5
16	Transition between circular fronts and spiral waves in marginally excitable media. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 2897-2901.	1.7	6
17	A New Chemical Oscillator in a Novel Open Reactor: The ClO ₂ -I ₂ -Acetone System in a Membrane Fed Stirred Tank Reactor. <i>The Journal of Physical Chemistry</i> , 1995, 99, 5359-5364.	2.9	6
18	Signal transmission in chemical systems: propagation of chemical waves through capillary tubes. <i>The Journal of Physical Chemistry</i> , 1994, 98, 522-531.	2.9	120

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19	Controlling chaos in the Belousov-Zhabotinsky reaction. <i>Nature</i> , 1993, 361, 240-243.	27.8	383
20	Cross-membrane coupling of chemical spatiotemporal patterns. <i>Nature</i> , 1991, 351, 132-135.	27.8	94
21	Transverse coupling of chemical waves. <i>Chaos</i> , 1991, 1, 435-444.	2.5	17
22	Period lengthening and associated bifurcations in a two-variable, flow Oregonator. <i>Journal of Chemical Physics</i> , 1988, 88, 778-791.	3.0	20
23	Kinetics of the reversible photoaquation of the octacyanomolybdate(IV) ion. <i>Polyhedron</i> , 1987, 6, 269-273.	2.2	10
24	Kinetics of the photoaquation of Hexacyanoferrate(II) ion. <i>Polyhedron</i> , 1983, 2, 387-391.	2.2	32