Milos Dolnik

List of Publications by Year
in descending order

39 papers	1,417 citations	361413 20 h-index	315739 38 g-index
39 all docs	39 docs citations	39 times ranked	696 citing authors

#	Article	IF	Citations
1	Impact of D2O on peptidization of L-histidine. Reaction Kinetics, Mechanisms and Catalysis, 2021, 133, 43-53.	1.7	1
2	Impact of D2O on the peptidization of L-alanine. Reaction Kinetics, Mechanisms and Catalysis, 2020, 130, 5-15.	1.7	2
3	Turing patterns on radially growing domains: experiments and simulations. Physical Chemistry Chemical Physics, 2019, 21, 6718-6724.	2.8	15
4	Modulation of Turing Patterns in the CDIMA Reaction by Ultraviolet and Visible Light. Journal of Physical Chemistry A, 2019, 123, 992-998.	2.5	9
5	Birth and Death of Invading Standing Waves in the BZâ€AOT Reactionâ€diffusion System. Israel Journal of Chemistry, 2018, 58, 776-780.	2.3	1
6	Impact of D2O on peptidization of l-Cysteine. Reaction Kinetics, Mechanisms and Catalysis, 2018, 125, 555-565.	1.7	6
7	Multifold Increases in Turing Pattern Wavelength in the Chlorine Dioxide-Iodine-Malonic Acid Reaction-Diffusion System. Physical Review Letters, 2016, 117, 056001.	7.8	12
8	Analysis and prediction of aperiodic hydrodynamic oscillatory time series by feed-forward neural networks, fuzzy logic, and a local nonlinear predictor. Chaos, 2015, 25, 013104.	2.5	21
9	â€œPhotochemical Oscillatorâ€: Colored Hydrodynamic Oscillations and Waves in a Photochromic System. Journal of Physical Chemistry C, 2014, 118, 598-608.	3.1	27
10	Fronts and patterns in a spatially forced CDIMA reaction. Physical Chemistry Chemical Physics, 2014, 16, 26137-26143.	2.8	6
11	Condensation dynamics ofl-proline andl-hydroxyproline in solution. RSC Advances, 2014, 4, 7330-7339.	3.6	17
12	Target Turing Patterns and Growth Dynamics in the Chlorine Dioxideâ€"Iodineâ€"Malonic Acid Reaction. Journal of Physical Chemistry A, 2014, 118, 2393-2400.	2.5	12
13	Forcing of Turing Patterns in the Chlorine Dioxideâ€"Iodineâ€"Malonic Acid Reaction with Strong Visible Light. Journal of Physical Chemistry A, 2013, 117, 9120-9126.	2.5	9
14	Turing patterns in the chlorine dioxideâ€"iodineâ€"malonic acid reaction with square spatial periodic forcing. Physical Chemistry Chemical Physics, 2012, 14, 6577.	2.8	23
15	Locking of Turing patterns in the chlorine dioxideâ€"iodineâ€"malonic acid reaction with one-dimensional spatial periodic forcing. Physical Chemistry Chemical Physics, 2011, 13, 12578.	2.8	23
16	Rearrangement dynamics of fishbonelike Turing patterns generated by spatial periodic forcing. Physical Review E, 2010, 81, 066207.	2.1	4
17	Effect of Axial Growth on Turing Pattern Formation. Physical Review Letters, 2006, 96, 048304.	7.8	31
18	Turing patterns beyond hexagons and stripes. Chaos, 2006, 16, 037114.	2.5	57

#	Article	IF	Citations
19	Spatial Periodic Perturbation of Turing Pattern Development Using a Striped Mask. Journal of Physical Chemistry A, 2003, 107, 4428-4435.	2.5	20
20	Superlattice Turing Structures in a Photosensitive Reaction-Diffusion System. Physical Review Letters, 2003, 91, 058302.	7.8	64
21	Pattern formation arising from interactions between Turing and wave instabilities. Journal of Chemical Physics, 2002, 117, 7259-7265.	3.0	103
22	Spatial Periodic Forcing of Turing Structures. Physical Review Letters, 2001, 87, 238301.	7.8	78
23	Resonant suppression of Turing patterns by periodic illumination. Physical Review E, 2001, 63, 026101.	2.1	68
24	Spatio-temporal patterns in a reactionâ€“diffusion system with wave instability. Chemical Engineering Science, 2000, 55, 223-231.	3.8	26
25	Oscillatory cluster patterns in a homogeneous chemical system with global feedback. Nature, 2000, 406, 389-391.	27.8	279
26	Oscillatory clusters in a model of the photosensitive Belousov-Zhabotinsky reaction system with global feedback. Physical Review E, 2000, 62, 6414-6420.	2.1	50
27	Kinetics of Photoresponse of the Chlorine Dioxide-Iodine-Malonic Acid Reaction. Journal of Physical Chemistry A, 2000, 104, 5766-5769.	2.5	23
28	Control of Turing Structures by Periodic Illumination. Physical Review Letters, 1999, 83, 2950-2952.	7.8	92
29	Control of the Chlorine Dioxideâ^'Iodineâ^'Malonic Acid Oscillating Reaction by Illumination. Journal of the American Chemical Society, 1999, 121, 8065-8069.	13.7	87
30	Standing Waves in a Two-Dimensional Reactionâ^'Diffusion Model with the Short-Wave Instability. Journal of Physical Chemistry A, 1999, 103, 38-45.	2.5	20
31	Communication with chemical chaos in the presence of noise. Chaos, 1998, 8, 702-710.	2.5	24
32	Oscillatory Chemical Reaction in a CSTR with Feedback Control of Flow Rate. Journal of Physical Chemistry A, 1997, 101, 5148-5154.	2.5	13
33	Reply to â€œMechanism of the Oscillatory Bromate Oxidation of Sulfite and Ferrocyanide in a CSTRâ€. The Journal of Physical Chemistry, 1996, 100, 16443-16443.	2.9	5
34	Modulated Standing Waves in a Short Reactionâ^'Diffusion System. The Journal of Physical Chemistry, 1996, 100, 6604-6607.	2.9	9
35	Modulated and alternating waves in a reaction-diffusion model with wave instability. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 2919.	1.7	3
36	Heterogeneous Sources of Target Patterns in Reactionâ^'Diffusion Systems. The Journal of Physical Chemistry, 1996, 100, 19017-19022.	2.9	24

#	Article	IF	Citations
37	Pattern formation arising from wave instability in a simple reactionâ€diffusion system. Journal of Chemical Physics, 1995, 103, 10306-10314.	3.0	96
38	A coupled chemical burster: The chlorine dioxideâ€"iodide reaction in two flow reactors. Journal of Chemical Physics, 1993, 98, 1149-1155.	3.0	40
39	Excitability and bursting in the chlorine dioxideâ€"iodide reaction in a forced open system. Journal of Chemical Physics, 1992, 97, 3265-3273.	3.0	17