

# Judit Horváth

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

450  
citations

933447

10  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

418  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Experimental Design Method Leading to Chemical Turing Patterns. <i>Science</i> , 2009, 324, 772-775.	12.6	197
2	Oscillatory dynamics induced in a responsive gel by a non-oscillatory chemical reaction: experimental evidence. <i>Soft Matter</i> , 2011, 7, 8462.	2.7	47
3	Chemically coded time-programmed self-assembly. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 274-282.	3.4	35
4	Pattern formation in the thiourea-iodate-sulfite system: Spatial bistability, waves, and stationary patterns. <i>Physica D: Nonlinear Phenomena</i> , 2010, 239, 776-784.	2.8	26
5	Sustained self-organizing pH patterns in hydrogen peroxide driven aqueous redox systems. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20228.	2.8	24
6	Chemical morphogenesis: recent experimental advances in reaction-diffusion system design and control. <i>Interface Focus</i> , 2012, 2, 417-432.	3.0	21
7	Chemomechanical oscillations with a non-redox non-oscillatory reaction. <i>Chemical Communications</i> , 2017, 53, 4973-4976.	4.1	17
8	Designing Stationary Reaction-Diffusion Patterns in pH Self-Activated Systems. <i>Accounts of Chemical Research</i> , 2018, 51, 3183-3190.	15.6	15
9	Sustained Large-Amplitude Chemomechanical Oscillations Induced by the Landolt Clock Reaction. <i>Journal of Physical Chemistry B</i> , 2014, 118, 8891-8900.	2.6	13
10	Contribution to an effective design method for stationary reaction-diffusion patterns. <i>Chaos</i> , 2015, 25, 064311.	2.5	12
11	Peristaltic waves in a responsive gel sustained by a halogen-free non-oscillatory chemical reaction. <i>Polymer</i> , 2015, 79, 243-254.	3.8	9
12	Synergistic Chemomechanical Oscillators: Periodic Gel Actuators without Oscillatory Chemical Reaction. <i>Macromolecular Symposia</i> , 2015, 358, 217-224.	0.7	8
13	Interaction of poly(vinyl alcohol) with the Belousov-Zhabotinsky reaction mixture. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 218-223.	2.8	7
14	Role of Linear Charge Density and Counterion Quality in Thermodynamic Properties of Strong Acid Type Polyelectrolytes: A Divalent Transition Metal Cations. <i>Langmuir</i> , 2006, 22, 10963-10971.	3.5	7
15	Thermodynamic Characterization of Rare Earth Salts of Strong Polyacid Copolymers. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5140-5148.	2.6	5
16	Spatiotemporal Dynamics of Mixed Landolt Systems in Open Gel Reactors: Effect of Diffusive Feed. <i>Journal of Physical Chemistry A</i> , 2010, 114, 7063-7069.	2.5	5
17	pH mediated kinetics of assembly and disassembly of molecular and nanoscopic building blocks. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 123, 323-333.	1.7	2