

Lin Ren

List of Publications by Year in descending order

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17
papers

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1163117
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all docs

17
docs citations

17
times ranked

116
citing authors

#	ARTICLE	IF	CITATIONS
1	Photophobic and phototropic movement of a self-oscillating gel. <i>Chemical Communications</i> , 2013, 49, 7690.	4.1	49
2	Autonomous reciprocating migration of an active material. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8704-8709.	7.1	23
3	Retrograde and Direct Wave Locomotion in a Photosensitive Self-Oscillating Gel. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14301-14305.	13.8	20
4	Experimental, numerical, and mechanistic analysis of the nonmonotonic relationship between oscillatory frequency and photointensity for the photosensitive Belousovâ€Zhabotinsky oscillator. <i>Chaos</i> , 2015, 25, 064607.	2.5	17
5	Chemomechanical origin of directed locomotion driven by internal chemical signals. <i>Science Advances</i> , 2020, 6, eaaz9125.	10.3	16
6	Multiple Length Scale Instabilities of Unidirectional Pulse Propagation in a Diffusion-Fed Gel. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3891-3896.	4.6	9
7	Retrograde and Direct Wave Locomotion in a Photosensitive Self-Oscillating Gel. <i>Angewandte Chemie</i> , 2016, 128, 14513-14517.	2.0	9
8	Light-Modulated Intermittent Wave Groups in a Diffusively Fed Reactive Gel. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4988-4991.	13.8	9
9	Programmed Locomotion of an Active Gel Driven by Spiral Waves. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7106-7112.	13.8	5
10	Rotational Locomotion of an Active Gel Driven by Internal Chemical Signals. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11987-11991.	4.6	5
11	Effect of Reaction Parameters on the Wavelength of Pulse Waves in the Belousovâ€Zhabotinsky Reactionâ€Diffusion System. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9292-9297.	2.5	4
12	Programmed Locomotion of an Active Gel Driven by Spiral Waves. <i>Angewandte Chemie</i> , 2020, 132, 7172-7178.	2.0	3
13	Capillarity-Induced Propagation Reversal of Chemical Waves in a Self-oscillating Gel. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3530-3534.	2.5	3
14	Heterogeneity-driven collective-motion patterns of active gels. <i>Cell Reports Physical Science</i> , 2022, 3, 100933.	5.6	3
15	Light-Modulated Intermittent Wave Groups in a Diffusively Fed Reactive Gel. <i>Angewandte Chemie</i> , 2016, 128, 5072-5075.	2.0	2
16	Nanogel Crosslinking-Based Belousovâ€Zhabotinsky Self-Oscillating Polyacrylamide Gel with Improved Mechanical Properties and Fast Oscillatory Response. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1108-1114.	2.6	2
17	Periodic Transition between Breathing Spots and Synchronous Sulfur Deposition/Dissolution in Transpassive Region of the Electro-Oxidation of Sulfide on Platinum. <i>ChemElectroChem</i> , 2017, 4, 2075-2078.	3.4	0