

Sumana Dutta

List of Publications by Year in descending order

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1307594

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docs citations

14
times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	Topologically Mismatched Pinning of Scroll Waves. Journal of Physical Chemistry Letters, 2011, 2, 945-949.	4.6	18
2	Unpinning of scroll waves under the influence of a thermal gradient. Physical Review E, 2014, 90, 022916.	2.1	14
3	Spiral defect drift in the wave fields of multiple excitation patterns. Physical Review E, 2011, 83, 056213.	2.1	11
4	Steady motion of hairpin-shaped vortex filaments in excitable systems. Physical Review E, 2010, 81, 055202.	2.1	10
5	Spirals in a reaction-diffusion system: Dependence of wave dynamics on excitability. Physical Review E, 2018, 97, 022206.	2.1	10
6	Thermodiffusion-induced instabilities in reactive systems. Physical Review E, 2007, 75, 066206.	2.1	9
7	Controlling three-dimensional vortices using multiple and moving external fields. Physical Review E, 2017, 96, 022206.	2.1	6
8	Interaction of scroll waves in an excitable medium: Reconnection and repulsion. Physical Review E, 2015, 91, 030901.	2.1	5
9	Reconnection of multiple scroll rings in a three-dimensional reaction-diffusion system. Physical Review E, 2019, 100, 022222.	2.1	2
10	Interaction of multiple spiral rotors in a reaction-diffusion system. Physical Review E, 2022, 105, .	2.1	2
11	Pinning of scroll waves to flat and highly branched unexcitable heterogeneities. Physical Review E, 2017, 95, 032204.	2.1	1
12	Unpinning of scroll waves attached to multiple heterogeneities. Physical Review E, 2018, 98, .	2.1	1
13	SELF-AVOIDING CHIRAL WALKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 3717-3723.	1.7	0