

# Sumana Dutta

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7351136/publications.pdf>

Version: 2024-02-01

13  
papers

96  
citations

1307594

7  
h-index

1372567

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g-index

14  
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14  
docs citations

14  
times ranked

66  
citing authors

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