

Mark R Tinsley

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,928
citations

516710

16
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

1317
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel modes of synchronization in star networks of coupled chemical oscillators. <i>Chaos</i> , 2021, 31, 093127.	2.5	5
2	Photochemical motion control of surface active Belousov-Zhabotinsky droplets. <i>Chaos</i> , 2020, 30, 083143.	2.5	7
3	Transition from spiral wave chimeras to phase cluster states. <i>Scientific Reports</i> , 2020, 10, 7821.	3.3	13
4	Autonomous cycling between excitatory and inhibitory coupling in photosensitive chemical oscillators. <i>Chaos</i> , 2018, 28, 045114.	2.5	9
5	Spiral wave chimera states in large populations of coupled chemical oscillators. <i>Nature Physics</i> , 2018, 14, 282-285.	16.7	175
6	Synchronization of heterogeneous oscillator populations in response to weak and strong coupling. <i>Chaos</i> , 2018, 28, 123114.	2.5	18
7	Echo Behavior in Large Populations of Chemical Oscillators. <i>Physical Review X</i> , 2016, 6, .	8.9	10
8	Chimera and chimera-like states in populations of nonlocally coupled homogeneous and heterogeneous chemical oscillators. <i>Chaos</i> , 2016, 26, 094826.	2.5	53
9	Phase-lag synchronization in networks of coupled chemical oscillators. <i>Physical Review E</i> , 2015, 92, 022819.	2.1	49
10	Desynchronization of stochastically synchronized chemical oscillators. <i>Chaos</i> , 2015, 25, 123116.	2.5	16
11	Insights into collective cell behaviour from populations of coupled chemical oscillators. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20047-20055.	2.8	44
12	Three-dimensional modeling of propagating precipitation waves. <i>Chaos</i> , 2015, 25, 064306.	2.5	8
13	Effect of Relative Humidity on the OH-Initiated Heterogeneous Oxidation of Monosaccharide Nanoparticles. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11182-11190.	2.5	16
14	Link weight evolution in a network of coupled chemical oscillators. <i>Physical Review E</i> , 2014, 89, 052712.	2.1	14
15	Propagating Precipitation Waves: Experiments and Modeling. <i>Journal of Physical Chemistry A</i> , 2013, 117, 12719-12725.	2.5	25
16	Chimera States in Populations of Nonlocally Coupled Chemical Oscillators. <i>Physical Review Letters</i> , 2013, 110, 244102.	7.8	235
17	QUORUM SENSING AND SYNCHRONIZATION IN POPULATIONS OF COUPLED CHEMICAL OSCILLATORS. <i>World Scientific Lecture Notes in Complex Systems</i> , 2013, , 261-278.	0.1	0
18	Network modeling of BVD transmission. <i>Veterinary Research</i> , 2012, 43, 11.	3.0	31

#	ARTICLE	IF	CITATIONS
19	Chimera and phase-cluster states in populations of coupled chemical oscillators. <i>Nature Physics</i> , 2012, 8, 662-665.	16.7	612
20	Emergence of Collective Behavior in Groups of Excitable Catalyst-Loaded Particles: Spatiotemporal Dynamical Quorum Sensing. <i>Physical Review Letters</i> , 2009, 102, 158301.	7.8	56
21	A path to patterns. <i>Nature Chemistry</i> , 2009, 1, 340-341.	13.6	8
22	Dynamical Quorum Sensing and Synchronization in Large Populations of Chemical Oscillators. <i>Science</i> , 2009, 323, 614-617.	12.6	358
23	Clusters and Switchers in Globally Coupled Photochemical Oscillators. <i>Physical Review Letters</i> , 2008, 100, 214101.	7.8	43
24	Collective Behavior of a Population of Chemically Coupled Oscillators. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10170-10176.	2.6	79
25	Spatiotemporal Networks in Addressable Excitable Media. <i>Physical Review Letters</i> , 2005, 95, 038306.	7.8	26