Mark R Tinsley

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4307271/publications.pdf

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	Chimera and phase-cluster states in populations of coupled chemical oscillators. Nature Physics, 2012, 8, 662-665.	16.7	612
2	Dynamical Quorum Sensing and Synchronization in Large Populations of Chemical Oscillators. Science, 2009, 323, 614-617.	12.6	358
3	Chimera States in Populations of Nonlocally Coupled Chemical Oscillators. Physical Review Letters, 2013, 110, 244102.	7.8	235
4	Spiral wave chimera states in large populations of coupled chemical oscillators. Nature Physics, 2018, 14, 282-285.	16.7	175
5	Collective Behavior of a Population of Chemically Coupled Oscillators. Journal of Physical Chemistry B, 2006, 110, 10170-10176.	2.6	79
6	Emergence of Collective Behavior in Groups of Excitable Catalyst-Loaded Particles: Spatiotemporal Dynamical Quorum Sensing. Physical Review Letters, 2009, 102, 158301.	7.8	56
7	Chimera and chimera-like states in populations of nonlocally coupled homogeneous and heterogeneous chemical oscillators. Chaos, 2016, 26, 094826.	2.5	53
8	Phase-lag synchronization in networks of coupled chemical oscillators. Physical Review E, 2015, 92, 022819.	2.1	49
9	Insights into collective cell behaviour from populations of coupled chemical oscillators. Physical Chemistry Chemical Physics, 2015, 17, 20047-20055.	2.8	44
10	Clusters and Switchers in Globally Coupled Photochemical Oscillators. Physical Review Letters, 2008, 100, 214101.	7.8	43
11	Network modeling of BVD transmission. Veterinary Research, 2012, 43, 11.	3.0	31
12	Spatiotemporal Networks in Addressable Excitable Media. Physical Review Letters, 2005, 95, 038306.	7.8	26
13	Propagating Precipitation Waves: Experiments and Modeling. Journal of Physical Chemistry A, 2013, 117, 12719-12725.	2.5	25
14	Synchronization of heterogeneous oscillator populations in response to weak and strong coupling. Chaos, 2018, 28, 123114.	2.5	18
15	Desynchronization of stochastically synchronized chemical oscillators. Chaos, 2015, 25, 123116.	2.5	16
16	Effect of Relative Humidity on the OH-Initiated Heterogeneous Oxidation of Monosaccharide Nanoparticles. Journal of Physical Chemistry A, 2015, 119, 11182-11190.	2.5	16
17	Link weight evolution in a network of coupled chemical oscillators. Physical Review E, 2014, 89, 052712.	2.1	14
18	Transition from spiral wave chimeras to phase cluster states. Scientific Reports, 2020, 10, 7821.	3.3	13

#	Article	IF	Citations
19	Echo Behavior in Large Populations of Chemical Oscillators. Physical Review X, 2016, 6, .	8.9	10
20	Autonomous cycling between excitatory and inhibitory coupling in photosensitive chemical oscillators. Chaos, 2018, 28, 045114.	2.5	9
21	A path to patterns. Nature Chemistry, 2009, 1, 340-341.	13.6	8
22	Three-dimensional modeling of propagating precipitation waves. Chaos, 2015, 25, 064306.	2.5	8
23	Photochemical motion control of surface active Belousovâ€“Zhabotinsky droplets. Chaos, 2020, 30, 083143.	2.5	7
24	Novel modes of synchronization in star networks of coupled chemical oscillators. Chaos, 2021, 31, 093127.	2.5	5
25	QUORUM SENSING AND SYNCHRONIZATION IN POPULATIONS OF COUPLED CHEMICAL OSCILLATORS. World Scientific Lecture Notes in Complex Systems, 2013, , 261-278.	0.1	0