

Kishore Dutta

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

91
citations

1937685
4
h-index

1588992
8
g-index

34
all docs

34
docs citations

34
times ranked

47
citing authors

#	ARTICLE	IF	CITATIONS
1	Segmentation of unhealthy leaves in cruciferous crops for early disease detection using vegetative indices and Otsu thresholding of aerial images. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110478.	5.0	22
2	How birds fly together: The dynamics of flocking. Resonance, 2010, 15, 1097-1110.	0.3	10
3	Nonlocal mode-coupling interactions and phase transition near tricriticality. Europhysics Letters, 2015, 110, 16003.	2.0	8
4	A simplified thermomechanical approach to visualize hexagonal honeycomb construction. SN Applied Sciences, 2019, 1, 1.	2.9	8
5	Heisenberg approximation in passive scalar turbulence. Physical Review E, 2011, 84, 036315.	2.1	5
6	Hunting in groups. Resonance, 2014, 19, 936-957.	0.3	5
7	Perturbative evaluation of universal numbers in homogeneous shear turbulence. Physical Review E, 2013, 87, 053007.	2.1	4
8	Nonlocal quartic interactions and universality classes in perovskite manganites. Physical Review E, 2015, 92, 012123.	2.1	4
9	Conserved nonlocal dynamics and critical behavior of uranium ferromagnetic superconductors. Physical Review E, 2017, 95, 012133.	2.1	4
10	Critical dynamics of a nonlocal model and critical behavior of perovskite manganites. Physical Review E, 2016, 93, 052132.	2.1	3
11	Impact of wars on the evolution of civilizations. Physica A: Statistical Mechanics and Its Applications, 2020, 539, 122881.	2.6	3
12	Spectral calculations in stably stratified turbulence. Physical Review E, 2014, 90, 063013.	2.1	2
13	Competing interactions in a long-range spin-lattice coupled model and tricriticality. Journal of Physics Condensed Matter, 2019, 31, 355803.	1.8	2
14	Transition of Spatial Patterns in an Interacting Turing System. Journal of Statistical Physics, 2019, 174, 351-364.	1.2	2
15	Reaction-diffusion Dynamics and Biological Pattern Formation. Journal of Applied Nonlinear Dynamics, 2017, 6, 547-564.	0.3	2
16	Singing Sand Dunes. Resonance, 2016, 21, 339-351.	0.3	1
17	Renormalized cumulants and velocity derivative skewness in Kolmogorov turbulence. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 125501.	2.1	1
18	An archetype for evolving dynamics of primitive human culture. Evolving Systems, 2020, , 1.	3.9	1

#	ARTICLE	IF	CITATIONS
19	Decaying localized structures beyond Turing space in an activator–inhibitor system. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	1
20	Magnetoelastic coupling and critical behavior of some strongly correlated magnetic systems. <i>Journal of Physics Condensed Matter</i> , 2023, 35, 083001.	1.8	1
21	The Mona Lisa - A Prototype for Multidisciplinary Science Education. <i>Science and Education</i> , 2021, 30, 693-716.	2.7	1
22	Superdiffusive Searching Skill in Animal Foraging. <i>Discontinuity, Nonlinearity, and Complexity</i> , 2019, 8, 51-57.	0.2	1
23	Hidden Markov model-based Assamese vowel phoneme recognition using cepstral features. <i>International Journal of Information and Communication Technology</i> , 2015, 7, 218.	0.1	0
24	Spectral calculations for pressure–velocity and pressure–strain correlations in homogeneous shear turbulence. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 023204.	2.3	0
25	Emergence of coherent vortices from Leslie’s perturbation method in a rotating turbulent fluid. <i>Journal of Physics A: Mathematical and Theoretical</i> , 0, , .	2.1	0
26	Anisotropic distribution of scalar in stably stratified turbulence. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 083204.	2.3	0
27	Mutual-friction-driven turbulent statistics in the hydrodynamic regime of superfluid He3 -B. <i>Physical Review E</i> , 2019, 99, 033111.	2.1	0
28	Lattice effects and the critical behavior of gadolinium. <i>Materials Research Express</i> , 2019, 6, 076101.	1.6	0
29	Dynamics of an Invincible Troop Formation in Ancient Open Battlefields. <i>Interdisciplinary Description of Complex Systems</i> , 2021, 19, 146-159.	0.6	0
30	Natural Hexagons. <i>Resonance</i> , 2021, 26, 399-413.	0.3	0
31	Hunting in Groups—Dynamics of Chase-and-Escape. <i>Journal of Applied Nonlinear Dynamics</i> , 2014, 3, 105-113.	0.3	0
32	Singing Sand Dunes: The Spontaneous Acoustic Emission from Granular Shear Flow. <i>Open Access Library Journal (oalib)</i> , 2015, 02, 1-7.	0.2	0
33	Varying critical behaviour of stacked triangular lattice Ising antiferromagnets in the presence of spin–lattice coupling. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 556, 169344.	2.3	0