

Sayan Mukherjee

List of Publications by Year in descending order

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28
papers

321
citations

840728

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888047

17
g-index

28
all docs

28
docs citations

28
times ranked

201
citing authors

#	ARTICLE	IF	CITATIONS
1	Can complexity decrease in congestive heart failure?. Physica A: Statistical Mechanics and Its Applications, 2015, 439, 93-102.	2.6	41
2	An investigation on Michaelis - Menten kinetics based complex dynamics of tumor - immune interaction. Chaos, Solitons and Fractals, 2019, 128, 297-305.	5.1	25
3	Stochastic dynamics of Michaelis-Menten kinetics based tumor-immune interactions. Physica A: Statistical Mechanics and Its Applications, 2020, 541, 123603.	2.6	25
4	Characterizing chaos and multifractality in noise-assisted tumor-immune interplay. Nonlinear Dynamics, 2020, 101, 675-685.	5.2	25
5	Complexity in congestive heart failure: A time-frequency approach. Chaos, 2016, 26, 033105.	2.5	24
6	Complexity and synchronization in stochastic chaotic systems. European Physical Journal: Special Topics, 2016, 225, 159-170.	2.6	19
7	Optical complexity in external cavity semiconductor laser. Optics Communications, 2017, 387, 257-266.	2.1	17
8	A high dimensional delay selection for the reconstruction of proper phase space with cross auto-correlation. Neurocomputing, 2013, 113, 49-57.	5.9	16
9	Synchronization and secure communication in time delayed semiconductor laser systems. Optik, 2016, 127, 10930-10947.	2.9	15
10	Communication scheme using a hyperchaotic semiconductor laser model: Chaos shift key revisited. European Physical Journal Plus, 2017, 132, 1.	2.6	12
11	New types of nonlinear auto-correlations of bivariate data and their applications. Applied Mathematics and Computation, 2012, 218, 8951-8967.	2.2	11
12	A study on dynamical complexity of noise induced blood flow. European Physical Journal: Special Topics, 2019, 228, 2769-2777.	2.6	11
13	Multistability and chaotic scenario in a quantum pair-ion plasma. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 109-119.	1.5	11
14	Dynamical Complexity and Multistability in a Novel Lunar Wake Plasma System. Complexity, 2020, 2020, 1-11.	1.6	10
15	Is one dimensional Poincaré map sufficient to describe the chaotic dynamics of a three dimensional system?. Applied Mathematics and Computation, 2013, 219, 11056-11064.	2.2	8
16	Complexity in synchronized and non-synchronized states: A comparative analysis and application. European Physical Journal: Special Topics, 2017, 226, 2219-2234.	2.6	8
17	Dispersive graded entropy on computing dynamical complexity. Physica A: Statistical Mechanics and Its Applications, 2018, 508, 131-140.	2.6	8
18	Multistability and chaos in a noise-induced blood flow. European Physical Journal: Special Topics, 2021, 230, 1525-1533.	2.6	8

#	ARTICLE	IF	CITATIONS
19	Signature of complexity in time–frequency domain. Physica A: Statistical Mechanics and Its Applications, 2019, 535, 122433.	2.6	7
20	Computing two dimensional Poincaré maps for hyperchaotic dynamics. Applied Mathematics and Computation, 2017, 301, 140-154.	2.2	5
21	Phase synchronization of instrumental music signals. European Physical Journal: Special Topics, 2014, 223, 1561-1577.	2.6	4
22	Exploring noise-induced chaos and complexity in a red blood cell system. European Physical Journal: Special Topics, 2021, 230, 1517.	2.6	3
23	Approximate discrete dynamics of EMG signal. Applied Mathematics and Computation, 2014, 243, 879-888.	2.2	2
24	Some Time-Delay Finding Measures and Attractor Reconstruction. Understanding Complex Systems, 2015, , 215-256.	0.6	2
25	Dynamics of Effector -Tumor- Interleukin-2 Interactions with Monod-Haldane Immune Response and Treatments. Studies in Computational Intelligence, 2020, , 598-609.	0.9	2
26	A study on dynamics and multiscale complexity of a neuro system. Chaos, Solitons and Fractals, 2021, 145, 110737.	5.1	1
27	Characterizing noise-induced chaos and multifractality of a finance system. European Physical Journal: Special Topics, 0, , 1.	2.6	1
28	In Search of Chaos and Complexity of a Cognitive Language-Learning System. Complexity, 2020, 2020, 1-10.	1.6	0