Manish Dev Shrimali

List of Publications by Year
in descending order

64 papers	1,415 citations	361413 20 h-index	361022 35 g-index
65 all docs	65 docs citations	65 times ranked	677 citing authors

#	Article	IF	Citations
1	Control of multistability in hidden attractors. European Physical Journal: Special Topics, 2015, 224, 1485-1491.	2.6	189
2	Finite-time Lyapunov dimension and hidden attractor of the Rabinovich system. Nonlinear Dynamics, 2018, 92, 267-285.	5.2	125
3	Controlling Dynamics of Hidden Attractors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550061.	1.7	119
4	Amplitude death with mean-field diffusion. Physical Review E, 2012, 85, 057204.	2.1	73
5	Controlling bistability by linear augmentation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2329-2332.	2.1	57
6	Targeting fixed-point solutions in nonlinear oscillators through linear augmentation. Physical Review E, 2011, 83, 067201.	2.1	47
7	Realizing logic gates with time-delayed synthetic genetic networks. Nonlinear Dynamics, 2014, 76, 431-439.	5.2	45
8	Phase-flip transition in nonlinear oscillators coupled by dynamic environment. Chaos, 2012, 22, 023147.	2.5	38
9	Phase-flip transition in relay-coupled nonlinear oscillators. Physical Review E, 2011, 84, 016226.	2.1	35
10	Explosive death induced by mean–field diffusion in identical oscillators. Scientific Reports, 2017, 7, 7936.	3.3	34
11	Amplitude death in nonlinear oscillators with indirect coupling. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1562-1566.	2.1	33
12	Threshold control of chaotic neural network. Neural Networks, 2008, 21, 114-121.	5.9	30
13	THE NATURE OF ATTRACTOR BASINS IN MULTISTABLE SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1675-1688.	1.7	29
14	Control of coexisting attractors via temporal feedback. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2127-2132.	2.1	29
15	Enhancement of spatiotemporal regularity in an optimal window of random coupling. Physical Review E, 2008, 78, 035201.	2.1	27
16	Controlling dynamical behavior of drive-response system through linear augmentation. European Physical Journal: Special Topics, 2014, 223, 1531-1539.	2.6	26
17	First order transition to oscillation death through an environment. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2122-2126.	2.1	25
18	Oscillation suppression in indirectly coupled limit cycle oscillators. Physical Review E, 2015, 92, 022928.	2.1	23

#	Article	IF	Citations
19	Dynamic interaction induced explosive death. Europhysics Letters, 2021, 133, 40003.	2.0	23
20	Suppression and revival of oscillation in indirectly coupled limit cycle oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 3178-3184.	2.1	20
21	Intermittent feedback induces attractor selection. Physical Review E, 2017, 95, 042215.	2.1	20
22	Partial state feedback control of chaotic neural network and its application. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 371, 228-233.	2.1	19
23	Explosive death in complex network. Chaos, 2019, 29, 063127.	2.5	19
24	The dynamics of two coupled Van der Pol oscillators with attractive and repulsive coupling. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125930.	2.1	19
25	Emergent rhythms in coupled nonlinear oscillators due to dynamic interactions. Chaos, 2021, 31, 011105.	2.5	19
26	Static and dynamic attractive–repulsive interactions in two coupled nonlinear oscillators. Chaos, 2020, 30, 033114.	2.5	16
27	Basin bifurcations in quasiperiodically forced coupled systems. Physical Review E, 2005, 72, 036215.	2.1	14
28	Effect of parameter mismatch and time delay interaction on density-induced amplitude death in coupled nonlinear oscillators. Nonlinear Dynamics, 2014, 76, 1797-1806.	5.2	14
29	Experimental evidence for amplitude death induced by a time-varying interaction. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2845-2850.	2.1	14
30	Phase-flip and oscillation-quenching-state transitions through environmental diffusive coupling. Physical Review E, 2016, 94, 062218.	2.1	14
31	Enhanced synchronization due to intermittent noise. New Journal of Physics, 2021, 23, 112001.	2.9	14
32	Co-existence of in-phase oscillations and oscillation death in environmentally coupled limit cycle oscillators. Chaos, Solitons and Fractals, 2018, 110, 55-63.	5.1	12
33	Suppression and revival of oscillations through time-varying interaction. Chaos, Solitons and Fractals, 2019, 118, 249-254.	5.1	12
34	Suppression of oscillations in mean-field diffusion. Pramana - Journal of Physics, 2015, 84, 237-247.	1.8	11
35	Experimental realization of mixed-synchronization in counter-rotating coupled oscillators. Nonlinear Dynamics, 2012, 69, 371-377.	5.2	10
36	Delayed q-deformed logistic map. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 3126-3133.	3.3	10

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37	Revival of oscillations via common environment. Nonlinear Dynamics, 2018, 91, 2219-2225.	5.2	10
38	Bio-inspired computation using synthetic genetic network. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 367-369.	2.1	9
39	Achieving criticality for reservoir computing using environment-induced explosive death. Chaos, 2021, 31, 031101.	2.5	9
40	Phase ordering at crises. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 295, 273-279.	2.1	8
41	Pinning control of threshold coupled chaotic neuronal maps. Chaos, 2009, 19, 033105.	2.5	8
42	Effect of mixed coupling on relay-coupled Rössler and Lorenz oscillators. Physical Review E, 2014, 90, 062907.	2.1	8
43	Aging in global networks with competing attractive–Repulsive interaction. Chaos, 2020, 30, 123112.	2.5	8
44	Machine-learning potential of a single pendulum. Physical Review E, 2022, 105, .	2.1	8
45	Synchronization of indirectly coupled Lorenz oscillators: An experimental study. Pramana - Journal of Physics, 2011, 77, 881-889.	1.8	7
46	Asynchronous updating induces order in threshold coupled systems. Physical Review E, 2007, 76, 046212.	2.1	6
47	Phase-flip in relay oscillators via linear augmentation. Chaos, Solitons and Fractals, 2018, 107, 5-12.	5.1	6
48	Shadowing in hidden attractors. Nonlinear Dynamics, 2018, 91, 2429-2434.	5.2	6
49	Dynamics of nonlinear oscillator with transient feedback. International Journal of Dynamics and Control, 2019, 7, 1015-1020.	2.5	6
50	Chimera states in a class of hidden oscillatory networks. Nonlinear Dynamics, 2021, 104, 1645-1655.	5.2	6
51	Delay-coupled discrete maps: Synchronization, bistability, and quasiperiodicity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2636-2639.	2.1	5
52	Phase switching in Hindmarsh-Rose relay neurons. European Physical Journal: Special Topics, 2016, 225, 17-27.	2.6	5
53	Universal transition to inactivity in global mixed coupling. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2056-2060.	2.1	5
54	Time-delayed conjugate coupling in dynamical systems. European Physical Journal: Special Topics, 2017, 226, 1903-1910.	2.6	4

#	ARTICLE	IF	CITATIONS
55	Control and Synchronization of Chaotic Neurons Under Threshold Activated Coupling. Lecture Notes in Computer Science, 2007, , 954-962.	1.3	4
56	Explosive synchronization induced by environmental coupling. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 441, 128147.	2.1	4
57	Chaos control in a neural network with threshold activated coupling. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	3
58	Asynchronous updating of threshold-coupled chaotic neurons. Pramana - Journal of Physics, 2008, 70, 1127-1134.	1.8	3
59	Under what kind of parametric fluctuations is spatiotemporal regularity the most robust?. Pramana - Journal of Physics, 2010, 74, 895-906.	1.8	3
60	Controlling multistability with intermittent noise. Chaos, Solitons and Fractals, 2022, 160, 112187.	5.1	3
61	Time varying feedback control on multi-stability in hidden attractor. European Physical Journal: Special Topics, 2020, 229, 1245-1255.	2.6	2
62	Critical transition influenced by dynamic quorum sensing in nonlinear oscillators. European Physical Journal: Special Topics, 0, , 1.	2.6	2
63	Dynamics of nonlinear oscillators with time-varying conjugate coupling. , 2017, 1, 157-161.		2
64	Host–parasite coevolution: Role of selection, mutation, and asexual reproduction on evolvability. Chaos, 2020, 30, 073103.	2.5	1