

Steven R Bishop

List of Publications by Year in descending order

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36
papers

734
citations

623734

14
h-index

526287

27
g-index

36
all docs

36
docs citations

36
times ranked

660
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying the Advantage of Looking Forward. <i>Scientific Reports</i> , 2012, 2, 350.	3.3	140
2	Manipulating the scaling factor of projective synchronization in three-dimensional chaotic systems. <i>Chaos</i> , 2001, 11, 439-442.	2.5	75
3	Quantifying the Digital Traces of Hurricane Sandy on Flickr. <i>Scientific Reports</i> , 2013, 3, 3141.	3.3	69
4	Simulation of the effect of wind speedup in the formation of transverse dune fields. <i>Earth Surface Processes and Landforms</i> , 2000, 25, 905-918.	2.5	59
5	Dynamics of a Simple Damped Oscillator Undergoing Stick-Slip Vibrations. <i>Meccanica</i> , 1999, 34, 337-347.	2.0	58
6	Modelling desert dune fields based on discrete dynamics. <i>Discrete Dynamics in Nature and Society</i> , 2002, 7, 7-17.	0.9	56
7	Breaking the symmetry of the parametrically excited pendulum. <i>Chaos, Solitons and Fractals</i> , 2006, 28, 673-681.	5.1	28
8	Inverted dynamics of a tilted parametric pendulum. <i>European Journal of Mechanics, A/Solids</i> , 1999, 18, 517-526.	3.7	25
9	Periodic oscillations and attracting basins for a parametrically excited pendulum. <i>Dynamical Systems</i> , 1994, 9, 123-143.	0.7	22
10	Computational techniques for nonlinear dynamics in multiple friction oscillators. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1998, 163, 373-382.	6.6	20
11	A spatial model with pulsed releases to compare strategies for the sterile insect technique applied to the mosquito <i>Aedes aegypti</i> . <i>Mathematical Biosciences</i> , 2014, 254, 6-27.	1.9	19
12	Predicting the Lifetime of Dynamic Networks Experiencing Persistent Random Attacks. <i>Scientific Reports</i> , 2015, 5, 14286.	3.3	17
13	Steering dynamical trajectories to target a desired state. <i>Chaos, Solitons and Fractals</i> , 1994, 4, 1931-1942.	5.1	15
14	On the shape and migration speed of a proto-dune. <i>Earth Surface Processes and Landforms</i> , 2002, 27, 1335-1338.	2.5	15
15	Estimating the windward slope profile of a barchan dune. <i>Sedimentology</i> , 2002, 49, 467-481.	3.1	15
16	Switching between orbits in a periodic window. <i>Physical Review E</i> , 1996, 54, 6940-6943.	2.1	11
17	Static search games played over graphs and general metric spaces. <i>European Journal of Operational Research</i> , 2013, 231, 667-689.	5.7	11
18	Control of chaos in noisy flows. <i>Physical Review E</i> , 1996, 54, 3204-3210.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Temporal and spatial analysis of the media spotlight. Computers, Environment and Urban Systems, 2019, 75, 254-263.	7.1	9
20	Estimation of periodic-like motions of chaotic evolutions using detected unstable periodic patterns. Pattern Recognition Letters, 2002, 23, 245-252.	4.2	8
21	Forest management and sustainable urban development in the Curonian Spit. European Journal of Remote Sensing, 2019, 52, 42-57.	3.5	6
22	Quantifying Regional Differences in the Length of Twitter Messages. PLoS ONE, 2015, 10, e0122278.	2.5	6
23	Transient and Steady-State Operational Limits for Ship Roll. Applied Mechanics Reviews, 1993, 46, S47-S52.	10.1	5
24	The influence of ramped forcing on safe basins in a mechanical oscillator. Dynamical Systems, 1993, 8, 73-80.	0.7	5
25	A CONTRACTION-MAPPING-BASED CONTROL APPROACH TO STABILIZE CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1995, 05, 1741-1748.	1.7	5
26	Applying Chaos Control in Periodic Windows. Chaos, Solitons and Fractals, 1998, 9, 1297-1305.	5.1	5
27	TRANSIENT TIME IN UNIDIRECTIONAL SYNCHRONIZATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1999, 09, 2345-2352.	1.7	5
28	The effect of dragon-kings on the estimation of scaling law parameters. Scientific Reports, 2020, 10, 20226.	3.3	4
29	Urban population size and road traffic collisions in Europe. PLoS ONE, 2021, 16, e0256485.	2.5	4
30	A Financial Market Model Incorporating Herd Behaviour. PLoS ONE, 2016, 11, e0151790.	2.5	4
31	Piecewise analysis of oblique vibro-impacting systems. Acta Mechanica Sinica/Lixue Xuebao, 2003, 19, 579-584.	3.4	3
32	Spatial distribution of chaotic transients in unidirectional synchronisation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 257, 175-181.	2.1	1
33	A General Framework for Static, Spatially Explicit Games of Search and Concealment. , 2016, , 306-339.		0
34	A SIMPLE USE OF THE DIFFUSION APPROXIMATION FOR TREATING ROUND-OFF-INDUCED PROBLEMS IN COUPLED MAPS WITH AN INVARIANT SUBSET. , 2001, , .		0
35	TOWARDS A CELLULAR AUTOMATA MODEL TO PREDICT THE IMPACTS OF AGGREGATE EXTRACTION ON BIOLOGICAL RECOVERABILITY. , 2007, , .		0
36	PREDICTING THE RECOVERY OF BIOLOGICAL COMMUNITIES ON THE SEABED AFTER MARINE AGGREGATE DREDGING. , 2009, , .		0