John F Lindner

List of Publications by Year
in descending order

42 papers	589 citations	687363 13 h-index	610901 24 g-index
42 all docs	42 docs citations	42 times ranked	412 citing authors

#	Article	IF	Citations
1	Alien suns reversing in exoplanet skies. Scientific Reports, 2022, 12, 8426.	3.3	0
2	Disruption and recovery of reaction–diffusion wavefronts interacting with concave, fractal, and soft obstacles. Physica A: Statistical Mechanics and Its Applications, 2021, 565, 125536.	2.6	0
3	Negotiating the separatrix with machine learning. Nonlinear Theory and Its Applications IEICE, 2021, 12, 134-142.	0.6	3
4	Geographic tongue as a reaction–diffusion system. Chaos, 2021, 31, 033118.	2.5	4
5	Forecasting Hamiltonian dynamics without canonical coordinates. Nonlinear Dynamics, 2021, 103, 1553-1562.	5.2	21
6	The scaling of physics-informed machine learning with data and dimensions. Chaos, Solitons and Fractals: X, 2020, 5, 100046.	2.1	11
7	Modeling and measuring the absorption-induced expansion of swellable organically modified silica. AIP Advances, 2020, 10, .	1.3	1
8	Physics-enhanced neural networks learn order and chaos. Physical Review E, 2020, 101, 062207.	2.1	42
9	Disruption and recovery of reaction–diffusion wavefronts colliding with obstacles. Physica A: Statistical Mechanics and Its Applications, 2019, 517, 307-320.	2.6	4
10	Hannay's hoop beyond asymptotics. Chaos, 2018, 28, 083107.	2.5	1
11	Nonlinear dynamics as an engine of computation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160222.	3.4	22
12	Dynamical coupling outperforms "majority wins" in organizing redundancy to mitigate noise. Nonlinear Dynamics, 2017, 87, 605-615.	5.2	0
13	A wind-powered one-way bistable medium with parity effects. Chaos, 2017, 27, 023114.	2.5	0
14	Implementing Boolean Functions in Hybrid Digital-Analog Systems. Physical Review Applied, 2017, 7, .	3.8	11
15	Harvesting wind energy to detect weak signals using mechanical stochastic resonance. Physical Review E, 2016, 94, 062205.	2.1	12
16	Superlinearly scalable noise robustness of redundant coupled dynamical systems. Physical Review E, 2016, 93, 032213.	2.1	4
17	A Simple Nonlinear Circuit Contains an Infinite Number of Functions. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 944-948.	3.0	28
18	Role of network topology in noise reduction using coupled dynamics. Nonlinear Dynamics, 2016, 84, 1805-1812.	5.2	8

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19	Nonlinear dynamics based digital logic and circuits. Frontiers in Computational Neuroscience, 2015, 9, 49.	2.1	19
20	Strange Nonchaotic Stars. Physical Review Letters, 2015, 114, 054101.	7.8	70
21	Coupling Reduces Noise: Applying Dynamical Coupling to Reduce Local White Additive Noise. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550040.	1.7	7
22	Watch Your Step: Integrating Nonlinear Dynamical Flows by Stepping Through Space and Time. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450145.	1.7	0
23	Noise tolerant spatiotemporal chaos computing. Chaos, 2014, 24, 043110.	2.5	17
24	Simple and inexpensive stereo vision system for 3D data acquisition. American Journal of Physics, 2014, 82, 1005-1007.	0.7	3
25	Order and chaos in the rotation and revolution of two massive line segments. Physical Review E, 2014, 89, 042917.	2.1	2
26	Tracking the stars, Sun, and Moon to connect with the universe. American Journal of Physics, 2010, 78, 1128-1131.	0.7	0
27	Order and chaos in the rotation and revolution of a line segment and a point mass. Physical Review E, 2010, 81, 036208.	2.1	9
28	Demystifying decoherence and the master equation of quantum Brownian motion. American Journal of Physics, 2009, 77, 244-252.	0.7	8
29	PRECESSION AND CHAOS IN THE CLASSICAL TWO-BODY PROBLEM IN A SPHERICAL UNIVERSE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 455-464.	1.7	4
30	Invitation to embarrassingly parallel computing. American Journal of Physics, 2008, 76, 347-352.	0.7	2
31	Experimental observation of soliton propagation and annihilation in a hydromechanical array of one-way coupled oscillators. Physical Review E, 2008, 78, 066604.	2.1	8
32	One-way coupling enables noise-mediated spatiotemporal patterns in media of otherwise quiescent multistable elements. Physical Review E, 2006, 74, 020105.	2.1	21
33	Potential energy landscape and finite-state models of array-enhanced stochastic resonance. Physical Review E, 2006, 73, 031107.	2.1	18
34	Stochastic resonance in the mechanoelectrical transduction of hair cells. Physical Review E, 2005, 72, 051911.	2.1	17
35	THE FLUX CREEP AUTOMATON. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 1155-1175.	1.7	2
36	Optimal exit: Solar escape as a restricted three-body problem. American Journal of Physics, 2003, 71, 871-877.	0.7	3

#	Article	IF	Citations
37	Reply to â€œComment on â€˜Monostable array-enhanced stochastic resonanceâ€™ â€•. Physical Review E, 2002, 66, .	2.1	3
38	Monostable array-enhanced stochastic resonance. Physical Review E, 2001, 63, 051107.	2.1	35
39	Taming chaos with disorder in a pendulum array. American Journal of Physics, 1999, 67, 703-708.	0.7	11
40	Noise Enhanced Propagation. Physical Review Letters, 1998, 81, 5048-5051.	7.8	120
41	Hearing the shape of a rod by the sound of its collision. American Journal of Physics, 1998, 66, 692-697.	0.7	8
42	Selfâ€organized criticality: An experiment with sandpiles. American Journal of Physics, 1993, 61, 329-335.	0.7	30