

# John F Lindner

## List of Publications by Year in descending order

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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	Noise Enhanced Propagation. <i>Physical Review Letters</i> , 1998, 81, 5048-5051.	7.8	120
2	Strange Nonchaotic Stars. <i>Physical Review Letters</i> , 2015, 114, 054101.	7.8	70
3	Physics-enhanced neural networks learn order and chaos. <i>Physical Review E</i> , 2020, 101, 062207.	2.1	42
4	Monostable array-enhanced stochastic resonance. <i>Physical Review E</i> , 2001, 63, 051107.	2.1	35
5	Self-organized criticality: An experiment with sandpiles. <i>American Journal of Physics</i> , 1993, 61, 329-335.	0.7	30
6	A Simple Nonlinear Circuit Contains an Infinite Number of Functions. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2016, 63, 944-948.	3.0	28
7	Nonlinear dynamics as an engine of computation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160222.	3.4	22
8	One-way coupling enables noise-mediated spatiotemporal patterns in media of otherwise quiescent multistable elements. <i>Physical Review E</i> , 2006, 74, 020105.	2.1	21
9	Forecasting Hamiltonian dynamics without canonical coordinates. <i>Nonlinear Dynamics</i> , 2021, 103, 1553-1562.	5.2	21
10	Nonlinear dynamics based digital logic and circuits. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 49.	2.1	19
11	Potential energy landscape and finite-state models of array-enhanced stochastic resonance. <i>Physical Review E</i> , 2006, 73, 031107.	2.1	18
12	Stochastic resonance in the mechano-electrical transduction of hair cells. <i>Physical Review E</i> , 2005, 72, 051911.	2.1	17
13	Noise tolerant spatiotemporal chaos computing. <i>Chaos</i> , 2014, 24, 043110.	2.5	17
14	Harvesting wind energy to detect weak signals using mechanical stochastic resonance. <i>Physical Review E</i> , 2016, 94, 062205.	2.1	12
15	Taming chaos with disorder in a pendulum array. <i>American Journal of Physics</i> , 1999, 67, 703-708.	0.7	11
16	Implementing Boolean Functions in Hybrid Digital-Analog Systems. <i>Physical Review Applied</i> , 2017, 7, .	3.8	11
17	The scaling of physics-informed machine learning with data and dimensions. <i>Chaos, Solitons and Fractals: X</i> , 2020, 5, 100046.	2.1	11
18	Order and chaos in the rotation and revolution of a line segment and a point mass. <i>Physical Review E</i> , 2010, 81, 036208.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Hearing the shape of a rod by the sound of its collision. American Journal of Physics, 1998, 66, 692-697.	0.7	8
20	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
21	Demystifying decoherence and the master equation of quantum Brownian motion. American Journal of Physics, 2009, 77, 244-252.	0.7	8
22	Role of network topology in noise reduction using coupled dynamics. Nonlinear Dynamics, 2016, 84, 1805-1812.	5.2	8
23	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
24	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
25	Superlinearly scalable noise robustness of redundant coupled dynamical systems. Physical Review E, 2016, 93, 032213.	2.1	4
26	Disruption and recovery of reaction-diffusion wavefronts colliding with obstacles. Physica A: Statistical Mechanics and Its Applications, 2019, 517, 307-320.	2.6	4
27	Geographic tongue as a reaction-diffusion system. Chaos, 2021, 31, 033118.	2.5	4
28	Reply to "Comment on "Monostable array-enhanced stochastic resonance" ". Physical Review E, 2002, 66, .	2.1	3
29	Optimal exit: Solar escape as a restricted three-body problem. American Journal of Physics, 2003, 71, 871-877.	0.7	3
30	Simple and inexpensive stereo vision system for 3D data acquisition. American Journal of Physics, 2014, 82, 1005-1007.	0.7	3
31	Negotiating the separatrix with machine learning. Nonlinear Theory and Its Applications IEICE, 2021, 12, 134-142.	0.6	3
32	THE FLUX CREEP AUTOMATON. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 1155-1175.	1.7	2
33	Invitation to embarrassingly parallel computing. American Journal of Physics, 2008, 76, 347-352.	0.7	2
34	Order and chaos in the rotation and revolution of two massive line segments. Physical Review E, 2014, 89, 042917.	2.1	2
35	Hannay's hoop beyond asymptotics. Chaos, 2018, 28, 083107.	2.5	1
36	Modeling and measuring the absorption-induced expansion of swellable organically modified silica. AIP Advances, 2020, 10, .	1.3	1

#	ARTICLE	IF	CITATIONS
37	Tracking the stars, Sun, and Moon to connect with the universe. American Journal of Physics, 2010, 78, 1128-1131.	0.7	0
38	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
39	Dynamical coupling outperforms "majority wins" in organizing redundancy to mitigate noise. Nonlinear Dynamics, 2017, 87, 605-615.	5.2	0
40	A wind-powered one-way bistable medium with parity effects. Chaos, 2017, 27, 023114.	2.5	0
41	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
42	Alien suns reversing in exoplanet skies. Scientific Reports, 2022, 12, 8426.	3.3	0