

Evelyn Sander

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

472
citations

623188

14
h-index

713013

21
g-index

46
all docs

46
docs citations

46
times ranked

258
citing authors

#	ARTICLE	IF	CITATIONS
1	Period-doubling cascades galore. <i>Ergodic Theory and Dynamical Systems</i> , 2011, 31, 1249-1267.	0.4	42
2	Unexpectedly Linear Behavior for the Cahn–Hilliard Equation. <i>SIAM Journal on Applied Mathematics</i> , 2000, 60, 2182-2202.	0.8	39
3	CONNECTING PERIOD-DOUBLING CASCADES TO CHAOS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250022.	0.7	36
4	Monte Carlo Simulations for Spinodal Decomposition. <i>Journal of Statistical Physics</i> , 1999, 95, 925-948.	0.5	33
5	The geometry of chaos synchronization. <i>Chaos</i> , 2003, 13, 151-164.	1.0	32
6	Limits to the experimental detection of nonlinear synchrony. <i>Physical Review E</i> , 2002, 65, 046225.	0.8	26
7	Crossing Bifurcations and Unstable Dimension Variability. <i>Physical Review Letters</i> , 2006, 96, 244103.	2.9	26
8	Pattern formation in a nonlinear model for animal coats. <i>Journal of Differential Equations</i> , 2003, 191, 143-174.	1.1	19
9	The Many Facets of Chaos. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1530011.	0.7	19
10	Quantitative quasiperiodicity. <i>Nonlinearity</i> , 2017, 30, 4111-4140.	0.6	18
11	Fractals and Fractal Correlations. <i>Computers in Physics</i> , 1994, 8, 420.	0.6	16
12	Homoclinic tangles for noninvertible maps. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2000, 41, 259-276.	0.6	16
13	The Dynamics of Nucleation in Stochastic Cahn–Hilliard Systems. <i>SIAM Journal on Applied Dynamical Systems</i> , 2011, 10, 707-743.	0.7	15
14	A new proof of the stable manifold theorem. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1996, 47, 497-513.	0.7	14
15	Measuring quasiperiodicity. <i>Europhysics Letters</i> , 2016, 114, 40005.	0.7	14
16	Hyperbolic sets for noninvertible maps and relations. <i>Discrete and Continuous Dynamical Systems</i> , 1999, 5, 339-357.	0.5	13
17	A period-doubling cascade precedes chaos for planar maps. <i>Chaos</i> , 2013, 23, 033113.	1.0	12
18	Validated Saddle-Node Bifurcations and Applications to Lattice Dynamical Systems. <i>SIAM Journal on Applied Dynamical Systems</i> , 2016, 15, 1690-1733.	0.7	10

#	ARTICLE	IF	CITATIONS
19	Fixed points indices and period-doubling cascades. <i>Journal of Fixed Point Theory and Applications</i> , 2010, 8, 151-176.	0.6	9
20	Birkhoff averages and the breakdown of invariant tori in volume-preserving maps. <i>Physica D: Nonlinear Phenomena</i> , 2021, 428, 133048.	1.3	9
21	Complex transient patterns on the disk. <i>Discrete and Continuous Dynamical Systems</i> , 2006, 15, 1049-1078.	0.5	9
22	Branch interactions and long-term dynamics for the diblock copolymer model in one dimension. <i>Discrete and Continuous Dynamical Systems</i> , 2013, 33, 3671-3705.	0.5	9
23	Period-doubling cascades for large perturbations of Hénon families. <i>Journal of Fixed Point Theory and Applications</i> , 2009, 6, 153-163.	0.6	7
24	Effects of polarization induced by non-weak electric fields on the excitability of elongated neurons with active dendrites. <i>Journal of Computational Neuroscience</i> , 2016, 40, 27-50.	0.6	6
25	Degenerate Nucleation in the Cahn–Hilliard–Cook Model. <i>SIAM Journal on Applied Dynamical Systems</i> , 2016, 15, 459-494.	0.7	5
26	Generalized Lorenz equations on a three-sphere. <i>European Physical Journal: Special Topics</i> , 2017, 226, 1751-1764.	1.2	5
27	The structure of synchronization sets for noninvertible systems. <i>Chaos</i> , 2004, 14, 249-262.	1.0	2
28	Quasiperiodicity: Rotation Numbers. <i>Understanding Complex Systems</i> , 2016, , 103-118.	0.3	2
29	Spinodal decomposition: A survey of recent results. , 2000, , 1288-1299.		2
30	Research Spotlights. <i>SIAM Review</i> , 2015, 57, 59-59.	4.2	2
31	Research Spotlights. <i>SIAM Review</i> , 2014, 56, 623-623.	4.2	1
32	Research Spotlights. <i>SIAM Review</i> , 2017, 59, 293-293.	4.2	1
33	Noninvertibility. <i>Scholarpedia Journal</i> , 2009, 4, 2242.	0.3	1
34	Rigorous continuation of bifurcation points in the diblock copolymer equation. <i>Journal of Computational Dynamics</i> , 2017, 4, 3-3.	0.4	1
35	Solving the Babylonian problem of quasiperiodic rotation rates. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2019, 12, 2279-2305.	0.6	1
36	Research Spotlights. <i>SIAM Review</i> , 2015, 57, 199-199.	4.2	0

#	ARTICLE	IF	CITATIONS
37	Research Spotlights. SIAM Review, 2015, 57, 365-365.	4.2	0
38	Research Spotlights. SIAM Review, 2015, 57, 533-533.	4.2	0
39	Research Spotlights. SIAM Review, 2016, 58, 651-651.	4.2	0
40	Research Spotlights. SIAM Review, 2016, 58, 443-443.	4.2	0
41	Research Spotlights. SIAM Review, 2016, 58, 67-67.	4.2	0
42	Research Spotlights. SIAM Review, 2016, 58, 227-227.	4.2	0
43	Research Spotlights. SIAM Review, 2017, 59, 63-63.	4.2	0
44	Research Spotlights. SIAM Review, 2017, 59, 545-545.	4.2	0
45	Research Spotlights. SIAM Review, 2017, 59, 767-767.	4.2	0
46	An Introduction to 3D Printing in the STEM Classroom. Innovations in Teaching & Learning Conference Proceedings, 2015, 7, .	0.0	0