Evelyn Sander

List of Publications by Year in descending order

46 papers	472 citations	623734 14 h-index	713466 21 g-index
46 all docs	46 docs citations	46 times ranked	258 citing authors

#	Article	IF	Citations
1	Period-doubling cascades galore. Ergodic Theory and Dynamical Systems, 2011, 31, 1249-1267.	0.6	42
2	Unexpectedly Linear Behavior for the Cahn--Hilliard Equation. SIAM Journal on Applied Mathematics, 2000, 60, 2182-2202.	1.8	39
3	CONNECTING PERIOD-DOUBLING CASCADES TO CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250022.	1.7	36
4	Monte Carlo Simulations for Spinodal Decomposition. Journal of Statistical Physics, 1999, 95, 925-948.	1.2	33
5	The geometry of chaos synchronization. Chaos, 2003, 13, 151-164.	2.5	32
6	Limits to the experimental detection of nonlinear synchrony. Physical Review E, 2002, 65, 046225.	2.1	26
7	Crossing Bifurcations and Unstable Dimension Variability. Physical Review Letters, 2006, 96, 244103.	7.8	26
8	Pattern formation in a nonlinear model for animal coats. Journal of Differential Equations, 2003, 191, 143-174.	2.2	19
9	The Many Facets of Chaos. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530011.	1.7	19
10	Quantitative quasiperiodicity. Nonlinearity, 2017, 30, 4111-4140.	1.4	18
11	Fractals and Fractal Correlations. Computers in Physics, 1994, 8, 420.	0.5	16
12	Homoclinic tangles for noninvertible maps. Nonlinear Analysis: Theory, Methods & Applications, 2000, 41, 259-276.	1.1	16
13	The Dynamics of Nucleation in Stochastic Cahnâ€"Morral Systems. SIAM Journal on Applied Dynamical Systems, 2011, 10, 707-743.	1.6	15
14	A new proof of the stable manifold theorem. Zeitschrift Fur Angewandte Mathematik Und Physik, 1996, 47, 497-513.	1.4	14
15	Measuring quasiperiodicity. Europhysics Letters, 2016, 114, 40005.	2.0	14
16	Hyperbolic sets for noninvertible maps and relations. Discrete and Continuous Dynamical Systems, 1999, 5, 339-357.	0.9	13
17	A period-doubling cascade precedes chaos for planar maps. Chaos, 2013, 23, 033113.	2.5	12
18	Validated Saddle-Node Bifurcations and Applications to Lattice Dynamical Systems. SIAM Journal on Applied Dynamical Systems, 2016, 15, 1690-1733.	1.6	10

#	Article	IF	Citations
19	Fixed points indices and period-doubling cascades. Journal of Fixed Point Theory and Applications, 2010, 8, 151-176.	1.1	9
20	Birkhoff averages and the breakdown of invariant tori in volume-preserving maps. Physica D: Nonlinear Phenomena, 2021, 428, 133048.	2.8	9
21	Complex transient patterns on the disk. Discrete and Continuous Dynamical Systems, 2006, 15, 1049-1078.	0.9	9
22	Branch interactions and long-term dynamics for the diblock copolymer model in one dimension. Discrete and Continuous Dynamical Systems, 2013, 33, 3671-3705.	0.9	9
23	Period-doubling cascades for large perturbations of HÃ©non families. Journal of Fixed Point Theory and Applications, 2009, 6, 153-163.	1.1	7
24	Effects of polarization induced by non-weak electric fields on the excitability of elongated neurons with active dendrites. Journal of Computational Neuroscience, 2016, 40, 27-50.	1.0	6
25	Degenerate Nucleation in the Cahn--Hilliard--Cook Model. SIAM Journal on Applied Dynamical Systems, 2016, 15, 459-494.	1.6	5
26	Generalized Lorenz equations on a three-sphere. European Physical Journal: Special Topics, 2017, 226, 1751-1764.	2.6	5
27	The structure of synchronization sets for noninvertible systems. Chaos, 2004, 14, 249-262.	2.5	2
28	Quasiperiodicity: Rotation Numbers. Understanding Complex Systems, 2016, , 103-118.	0.6	2
29	Spinodal decomposition: A survey of recent results. , 2000, , 1288-1299.		2
30	Research Spotlights. SIAM Review, 2015, 57, 59-59.	9.5	2
31	Research Spotlights. SIAM Review, 2014, 56, 623-623.	9.5	1
32	Research Spotlights. SIAM Review, 2017, 59, 293-293.	9.5	1
33	Noninvertibility. Scholarpedia Journal, 2009, 4, 2242.	0.3	1
34	Rigorous continuation of bifurcation points in the diblock copolymer equation. Journal of Computational Dynamics, 2017, 4, 3-3.	1.1	1
35	Solving the Babylonian problem of quasiperiodic rotation rates. Discrete and Continuous Dynamical Systems - Series S, 2019, 12, 2279-2305.	1.1	1
36	Research Spotlights. SIAM Review, 2015, 57, 199-199.	9.5	0

#	Article	IF	Citations
37	Research Spotlights. SIAM Review, 2015, 57, 365-365.	9.5	0
38	Research Spotlights. SIAM Review, 2015, 57, 533-533.	9.5	0
39	Research Spotlights. SIAM Review, 2016, 58, 651-651.	9.5	0
40	Research Spotlights. SIAM Review, 2016, 58, 443-443.	9.5	0
41	Research Spotlights. SIAM Review, 2016, 58, 67-67.	9.5	0
42	Research Spotlights. SIAM Review, 2016, 58, 227-227.	9.5	0
43	Research Spotlights. SIAM Review, 2017, 59, 63-63.	9.5	0
44	Research Spotlights. SIAM Review, 2017, 59, 545-545.	9.5	0
45	Research Spotlights. SIAM Review, 2017, 59, 767-767.	9.5	0
46	An Introduction to 3D Printing in the STEM Classroom. Innovations in Teaching & Learning Conference Proceedings, 2015, 7, .	0.0	0