

# Evelyn Sander

## List of Publications by Year in descending order

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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	Birkhoff averages and the breakdown of invariant tori in volume-preserving maps. <i>Physica D: Nonlinear Phenomena</i> , 2021, 428, 133048.	2.8	9
2	Solving the Babylonian problem of quasiperiodic rotation rates. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2019, 12, 2279-2305.	1.1	1
3	Research Spotlights. <i>SIAM Review</i> , 2017, 59, 293-293.	9.5	1
4	Generalized Lorenz equations on a three-sphere. <i>European Physical Journal: Special Topics</i> , 2017, 226, 1751-1764.	2.6	5
5	Research Spotlights. <i>SIAM Review</i> , 2017, 59, 63-63.	9.5	0
6	Research Spotlights. <i>SIAM Review</i> , 2017, 59, 545-545.	9.5	0
7	Research Spotlights. <i>SIAM Review</i> , 2017, 59, 767-767.	9.5	0
8	Quantitative quasiperiodicity. <i>Nonlinearity</i> , 2017, 30, 4111-4140.	1.4	18
9	Rigorous continuation of bifurcation points in the diblock copolymer equation. <i>Journal of Computational Dynamics</i> , 2017, 4, 3-3.	1.1	1
10	Research Spotlights. <i>SIAM Review</i> , 2016, 58, 651-651.	9.5	0
11	Measuring quasiperiodicity. <i>Europhysics Letters</i> , 2016, 114, 40005.	2.0	14
12	Research Spotlights. <i>SIAM Review</i> , 2016, 58, 443-443.	9.5	0
13	Validated Saddle-Node Bifurcations and Applications to Lattice Dynamical Systems. <i>SIAM Journal on Applied Dynamical Systems</i> , 2016, 15, 1690-1733.	1.6	10
14	Research Spotlights. <i>SIAM Review</i> , 2016, 58, 67-67.	9.5	0
15	Research Spotlights. <i>SIAM Review</i> , 2016, 58, 227-227.	9.5	0
16	Degenerate Nucleation in the Cahn–Hilliard–Cook Model. <i>SIAM Journal on Applied Dynamical Systems</i> , 2016, 15, 459-494.	1.6	5
17	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.	1.0	6
18	Quasiperiodicity: Rotation Numbers. <i>Understanding Complex Systems</i> , 2016, , 103-118.	0.6	2

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19	Research Spotlights. SIAM Review, 2015, 57, 199-199.	9.5	0
20	Research Spotlights. SIAM Review, 2015, 57, 365-365.	9.5	0
21	The Many Facets of Chaos. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530011.	1.7	19
22	Research Spotlights. SIAM Review, 2015, 57, 533-533.	9.5	0
23	Research Spotlights. SIAM Review, 2015, 57, 59-59.	9.5	2
24	An Introduction to 3D Printing in the STEM Classroom. Innovations in Teaching & Learning Conference Proceedings, 2015, 7, .	0.0	0
25	Research Spotlights. SIAM Review, 2014, 56, 623-623.	9.5	1
26	A period-doubling cascade precedes chaos for planar maps. Chaos, 2013, 23, 033113.	2.5	12
27	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
28	CONNECTING PERIOD-DOUBLING CASCADES TO CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250022.	1.7	36
29	The Dynamics of Nucleation in Stochastic Cahn-Hilliard Systems. SIAM Journal on Applied Dynamical Systems, 2011, 10, 707-743.	1.6	15
30	Period-doubling cascades galore. Ergodic Theory and Dynamical Systems, 2011, 31, 1249-1267.	0.6	42
31	Fixed points indices and period-doubling cascades. Journal of Fixed Point Theory and Applications, 2010, 8, 151-176.	1.1	9
32	Period-doubling cascades for large perturbations of Hénon families. Journal of Fixed Point Theory and Applications, 2009, 6, 153-163.	1.1	7
33	Noninvertibility. Scholarpedia Journal, 2009, 4, 2242.	0.3	1
34	Crossing Bifurcations and Unstable Dimension Variability. Physical Review Letters, 2006, 96, 244103.	7.8	26
35	Complex transient patterns on the disk. Discrete and Continuous Dynamical Systems, 2006, 15, 1049-1078.	0.9	9
36	The structure of synchronization sets for noninvertible systems. Chaos, 2004, 14, 249-262.	2.5	2

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37	Pattern formation in a nonlinear model for animal coats. <i>Journal of Differential Equations</i> , 2003, 191, 143-174.	2.2	19
38	The geometry of chaos synchronization. <i>Chaos</i> , 2003, 13, 151-164.	2.5	32
39	Limits to the experimental detection of nonlinear synchrony. <i>Physical Review E</i> , 2002, 65, 046225.	2.1	26
40	Homoclinic tangles for noninvertible maps. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2000, 41, 259-276.	1.1	16
41	Unexpectedly Linear Behavior for the Cahn–Hilliard Equation. <i>SIAM Journal on Applied Mathematics</i> , 2000, 60, 2182-2202.	1.8	39
42	Spinodal decomposition: A survey of recent results. , 2000, , 1288-1299.		2
43	Monte Carlo Simulations for Spinodal Decomposition. <i>Journal of Statistical Physics</i> , 1999, 95, 925-948.	1.2	33
44	Hyperbolic sets for noninvertible maps and relations. <i>Discrete and Continuous Dynamical Systems</i> , 1999, 5, 339-357.	0.9	13
45	A new proof of the stable manifold theorem. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1996, 47, 497-513.	1.4	14
46	Fractals and Fractal Correlations. <i>Computers in Physics</i> , 1994, 8, 420.	0.5	16