

# Edward Ott

## List of Publications by Year in descending order

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523  
papers

43,628  
citations

2696

98  
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3688

186  
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542  
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542  
docs citations

542  
times ranked

15067  
citing authors

#	ARTICLE	IF	CITATIONS
1	A local ensemble Kalman filter for atmospheric data assimilation. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 56, 415.	0.8	332
2	Observation bias correction with an ensemble Kalman filter. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 61, 210.	0.8	46
3	A composite state method for ensemble data assimilation with multiple limited-area models. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 67, 26495.	0.8	5
4	Deep-Learning Estimation of Complex Reverberant Wave Fields with a Programmable Metasurface. <i>Physical Review Applied</i> , 2022, 17, .	1.5	7
5	A Hybrid Approach to Atmospheric Modeling That Combines Machine Learning With a Physics-Based Numerical Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	1.3	18
6	Parallel Machine Learning for Forecasting the Dynamics of Complex Networks. <i>Physical Review Letters</i> , 2022, 128, 164101.	2.9	16
7	Short-wavelength reverberant wave systems for physical realization of reservoir computing. <i>Physical Review Research</i> , 2022, 4, .	1.3	8
8	Using machine learning to predict statistical properties of non-stationary dynamical processes: System climate, regime transitions, and the effect of stochasticity. <i>Chaos</i> , 2021, 31, 033149.	1.0	36
9	Using data assimilation to train a hybrid forecast system that combines machine-learning and knowledge-based components. <i>Chaos</i> , 2021, 31, 053114.	1.0	23
10	Machine Learning Link Inference of Noisy Delay-Coupled Networks with Optoelectronic Experimental Tests. <i>Physical Review X</i> , 2021, 11, .	2.8	14
11	Reservoir Computing for Forecasting Large Spatiotemporal Dynamical Systems. <i>Natural Computing Series</i> , 2021, , 117-138.	2.2	1
12	A Machine Learning-Based Global Atmospheric Forecast Model. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087776.	1.5	77
13	Critical network cascades with re-excitable nodes: Why treelike approximations usually work, when they break down, and how to correct them. <i>Physical Review E</i> , 2020, 101, 062304.	0.8	3
14	Combining machine learning with knowledge-based modeling for scalable forecasting and subgrid-scale closure of large, complex, spatiotemporal systems. <i>Chaos</i> , 2020, 30, 053111.	1.0	54
15	Introduction to Focus Issue: When machine learning meets complex systems: Networks, chaos, and nonlinear dynamics. <i>Chaos</i> , 2020, 30, 063151.	1.0	62
16	Efficient Statistical Model for Predicting Electromagnetic Wave Distribution in Coupled Enclosures. <i>Physical Review Applied</i> , 2020, 14, .	1.5	12
17	Wave scattering properties of multiple weakly coupled complex systems. <i>Physical Review E</i> , 2020, 101, 022201.	0.8	9
18	Dynamic regulation of resource transport induces criticality in interdependent networks of excitable units. <i>Physical Review E</i> , 2020, 101, 022303.	0.8	4

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19	Wavefront shaping with a tunable metasurface: Creating cold spots and coherent perfect absorption at arbitrary frequencies. <i>Physical Review Research</i> , 2020, 2, .	1.3	21
20	Complexity reduction ansatz for systems of interacting orientable agents: Beyond the Kuramoto model. <i>Chaos</i> , 2019, 29, 053107.	1.0	23
21	Observing microscopic transitions from macroscopic bursts: Instability-mediated resetting in the incoherent regime of the D-dimensional generalized Kuramoto model. <i>Chaos</i> , 2019, 29, 033124.	1.0	10
22	Scattering statistics in nonlinear wave chaotic systems. <i>Chaos</i> , 2019, 29, 033113.	1.0	4
23	Using machine learning to assess short term causal dependence and infer network links. <i>Chaos</i> , 2019, 29, 121104.	1.0	26
24	Continuous versus Discontinuous Transitions in the $D$ -Dimensional Generalized Kuramoto Model: Odd $D$ is Different. <i>Physical Review X</i> , 2019, 9, .	2.8	40
25	Hybrid forecasting of chaotic processes: Using machine learning in conjunction with a knowledge-based model. <i>Chaos</i> , 2018, 28, 041101.	1.0	212
26	Model-Free Prediction of Large Spatiotemporally Chaotic Systems from Data: A Reservoir Computing Approach. <i>Physical Review Letters</i> , 2018, 120, 024102.	2.9	712
27	Revealing underlying universal wave fluctuations in a scaled ray-chaotic cavity with remote injection. <i>Physical Review E</i> , 2018, 97, 062220.	0.8	7
28	Attractor reconstruction by machine learning. <i>Chaos</i> , 2018, 28, 061104.	1.0	222
29	Modeling the network dynamics of pulse-coupled neurons. <i>Chaos</i> , 2017, 27, 033102.	1.0	24
30	Reservoir observers: Model-free inference of unmeasured variables in chaotic systems. <i>Chaos</i> , 2017, 27, 041102.	1.0	200
31	Frequency and phase synchronization in large groups: Low dimensional description of synchronized clapping, firefly flashing, and cricket chirping. <i>Chaos</i> , 2017, 27, 051101.	1.0	20
32	Nonlinear wave chaos: statistics of second harmonic fields. <i>Chaos</i> , 2017, 27, 103114.	1.0	6
33	Uncovering low dimensional macroscopic chaotic dynamics of large finite size complex systems. <i>Chaos</i> , 2017, 27, 083121.	1.0	2
34	Coherent oscillations of driven rf SQUID metamaterials. <i>Physical Review E</i> , 2017, 95, 050201.	0.8	16
35	Using machine learning to replicate chaotic attractors and calculate Lyapunov exponents from data. <i>Chaos</i> , 2017, 27, 121102.	1.0	376
36	Resynchronization of circadian oscillators and the east-west asymmetry of jet-lag. <i>Chaos</i> , 2016, 26, 094811.	1.0	58

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37	Intermodulation in nonlinear SQUID metamaterials: Experiment and theory. <i>Physical Review B</i> , 2016, 94, .	1.1	13
38	Inhibitory neurons promote robust critical firing dynamics in networks of integrate-and-fire neurons. <i>Physical Review E</i> , 2016, 94, 062309.	0.8	3
39	Echo Behavior in Large Populations of Chemical Oscillators. <i>Physical Review X</i> , 2016, 6, .	2.8	10
40	Focusing waves at arbitrary locations in a ray-chaotic enclosure using time-reversed synthetic sonas. <i>Physical Review E</i> , 2016, 93, 052205.	0.8	18
41	Feedback control stabilization of critical dynamics via resource transport on multilayer networks: How glia enable learning dynamics in the brain. <i>Physical Review E</i> , 2016, 94, 042310.	0.8	20
42	A Statistical Model for the Excitation of Cavities Through Apertures. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2015, 57, 1049-1061.	1.4	25
43	Stochastic Kron's model inspired from the Random Coupling Model. , 2015, , .		4
44	Frequency assortativity can induce chaos in oscillator networks. <i>Physical Review E</i> , 2015, 91, 060902.	0.8	24
45	Apparent topologically forbidden interchange of energy surfaces under slow variation of a Hamiltonian. <i>Physical Review E</i> , 2015, 91, 052913.	0.8	7
46	Dynamical transitions in large systems of mean field-coupled Landau-Stuart oscillators: Extensive chaos and cluster states. <i>Chaos</i> , 2015, 25, 123122.	1.0	36
47	Estimating forecast model bias in coupled global and limited-area models. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2015, 67, 28040.	0.8	0
48	Data assimilation using a climatologically augmented local ensemble transform Kalman filter. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2015, 67, 26617.	0.8	14
49	Spatially embedded growing small-world networks. <i>Scientific Reports</i> , 2015, 4, 7047.	1.6	8
50	Random coupling model for the radiation of irregular apertures. <i>Radio Science</i> , 2015, 50, 678-687.	0.8	5
51	Understanding electromagnetic properties of complex enclosures by means of wave chaos. , 2015, , .		0
52	Nonlinear and short-orbit time-reversal in a wave chaotic system. , 2015, , .		0
53	Uncertainty as to whether or not a system has a chaotic attractor. <i>Nonlinearity</i> , 2015, 28, 3803-3820.	0.6	1
54	Impact of imperfect information on network attack. <i>Physical Review E</i> , 2015, 91, 032807.	0.8	4

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55	Defining chaos. <i>Chaos</i> , 2015, 25, 097618.	1.0	37
56	Random coupling model for wireless communication channels. , 2014, , .		1
57	Random Coupling Model for interconnected wireless environments. , 2014, , .		4
58	Publisher's Note: Stability of Boolean networks: The joint effects of topology and update rules [Phys. Rev. E90, 022814 (2014)]. <i>Physical Review E</i> , 2014, 90, .	0.8	0
59	Inhibition Causes Ceaseless Dynamics in Networks of Excitable Nodes. <i>Physical Review Letters</i> , 2014, 112, 138103.	2.9	67
60	Stability of Boolean networks: The joint effects of topology and update rules. <i>Physical Review E</i> , 2014, 90, 022814.	0.8	14
61	Mean-field theory of assortative networks of phase oscillators. <i>Europhysics Letters</i> , 2014, 107, 60006.	0.7	41
62	The effects of non-uniform loss on time reversal mirrors. <i>AIP Advances</i> , 2014, 4, 087138.	0.6	5
63	Predicting the statistics of wave transport through chaotic cavities by the random coupling model: A review and recent progress. <i>Wave Motion</i> , 2014, 51, 606-621.	1.0	85
64	Controlling systems that drift through a tipping point. <i>Chaos</i> , 2014, 24, 033107.	1.0	11
65	Scaling of Chaos versus Periodicity: How Certain is it that an Attractor is Chaotic?. <i>Physical Review Letters</i> , 2014, 113, 084101.	2.9	14
66	Phase and amplitude dynamics in large systems of coupled oscillators: Growth heterogeneity, nonlinear frequency shifts, and cluster states. <i>Chaos</i> , 2013, 23, 033116.	1.0	13
67	Predictability and Suppression of Extreme Events in a Chaotic System. <i>Physical Review Letters</i> , 2013, 111, 198701.	2.9	101
68	Nonlinear time reversal of classical waves: Experiment and model. <i>Physical Review E</i> , 2013, 88, 062910.	0.8	20
69	Interconnection of complex cavities analyzed by the Random Coupling Model. , 2013, , .		0
70	Statistical model of short wavelength transport through cavities with coexisting chaotic and regular ray trajectories. <i>Physical Review E</i> , 2013, 87, 062906.	0.8	5
71	Weakly explosive percolation in directed networks. <i>Physical Review E</i> , 2013, 87, 052127.	0.8	17
72	Modeling and Measuring Signal Relay in Noisy Directed Migration of Cell Groups. <i>PLoS Computational Biology</i> , 2013, 9, e1003041.	1.5	9

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73	Quantifying volume changing perturbations in a wave chaotic system. <i>New Journal of Physics</i> , 2013, 15, 023025.	1.2	21
74	Dynamic localization of a weakly interacting Bose-Einstein condensate in an anharmonic potential. <i>Physical Review A</i> , 2013, 87, .	1.0	3
75	Robustness of network measures to link errors. <i>Physical Review E</i> , 2013, 88, 062812.	0.8	26
76	Modeling the Dynamics of Bivalent Histone Modifications. <i>PLoS ONE</i> , 2013, 8, e77944.	1.1	15
77	Implications of functional similarity for gene regulatory interactions. <i>Journal of the Royal Society Interface</i> , 2012, 9, 1625-1636.	1.5	7
78	Theoretical analysis of apertures radiating inside wave chaotic cavities. , 2012, , .		8
79	Multiscale dynamics in communities of phase oscillators. <i>Chaos</i> , 2012, 22, 013102.	1.0	28
80	Stability of Boolean networks with generalized canalizing rules. <i>Physical Review E</i> , 2012, 85, 046106.	0.8	3
81	Echoes and revival echoes in systems of anharmonically confined atoms. <i>Physical Review A</i> , 2012, 86, .	1.0	23
82	Dynamical Instability in Boolean Networks as a Percolation Problem. <i>Physical Review Letters</i> , 2012, 109, 085701.	2.9	16
83	Statistical properties of avalanches in networks. <i>Physical Review E</i> , 2012, 85, 066131.	0.8	62
84	Impedance and power fluctuations in linear chains of coupled wave chaotic cavities. <i>Physical Review E</i> , 2012, 86, 046204.	0.8	17
85	First-principles model of time-dependent variations in transmission through a fluctuating scattering environment. <i>Physical Review E</i> , 2012, 85, 015202.	0.8	29
86	Double transition to synchronization: A generic emergent transitional behavior in large systems of coupled oscillators. <i>Europhysics Letters</i> , 2012, 98, 40007.	0.7	1
87	Simultaneous global and limited-area ensemble data assimilation using joint states. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2012, 64, 18407.	0.8	4
88	Theory of chaos regularization of tunneling in chaotic quantum dots. <i>Physical Review E</i> , 2012, 86, 056212.	0.8	9
89	Statistical Prediction and Measurement of Induced Voltages on Components Within Complicated Enclosures: A Wave-Chaotic Approach. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2012, 54, 758-771.	1.4	68
90	A network function-based definition of communities in complex networks. <i>Chaos</i> , 2012, 22, 033129.	1.0	4

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91	Continuum modeling of the equilibrium and stability of animal flocks. <i>Physica D: Nonlinear Phenomena</i> , 2012, 241, 472-480.	1.3	7
92	Interpreting Patterns of Gene Expression: Signatures of Coregulation, the Data Processing Inequality, and Triplet Motifs. <i>PLoS ONE</i> , 2012, 7, e31969.	1.1	11
93	Statistical characterization of complex enclosures with distributed ports. , 2011, , .		9
94	The dynamics of network coupled phase oscillators: An ensemble approach. <i>Chaos</i> , 2011, 21, 025103.	1.0	26
95	Wave chaotic analysis of weakly coupled reverberation chambers. , 2011, , .		3
96	Chaos regularization of quantum tunneling rates. <i>Physical Review E</i> , 2011, 83, 065201.	0.8	23
97	Local synchronization in complex networks of coupled oscillators. <i>Chaos</i> , 2011, 21, 025109.	1.0	27
98	Effects of network topology, transmission delays, and refractoriness on the response of coupled excitable systems to a stochastic stimulus. <i>Chaos</i> , 2011, 21, 025117.	1.0	34
99	Comment on "Long time evolution of phase oscillator systems" [ <i>Chaos</i> 19 (2009)]. <i>Chaos</i> , 2011, 21, 025112.	1.0	64
100	Quantum chaos of a mixed open system of kicked cold atoms. <i>Physical Review E</i> , 2011, 83, 016204.	0.8	14
101	Cluster synchrony in systems of coupled phase oscillators with higher-order coupling. <i>Physical Review E</i> , 2011, 84, 036208.	0.8	70
102	Dynamics and pattern formation in large systems of spatially-coupled oscillators with finite response times. <i>Chaos</i> , 2011, 21, 023122.	1.0	40
103	Iterative time reversal with tunable convergence. <i>Electronics Letters</i> , 2011, 47, 1165.	0.5	12
104	Universal and nonuniversal properties of wave-chaotic scattering systems. <i>Physical Review E</i> , 2010, 81, 025201.	0.8	30
105	Obstacle and predator avoidance in a model for flocking. <i>Physica D: Nonlinear Phenomena</i> , 2010, 239, 988-996.	1.3	23
106	Spontaneous synchronization of coupled oscillator systems with frequency adaptation. <i>Physical Review E</i> , 2010, 81, 046214.	0.8	39
107	Dynamic synchronization of a time-evolving optical network of chaotic oscillators. <i>Chaos</i> , 2010, 20, 043142.	1.0	9
108	Map model for synchronization of systems of many coupled oscillators. <i>Chaos</i> , 2010, 20, 023109.	1.0	7

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109	Sensing small changes in a wave chaotic scattering system. <i>Journal of Applied Physics</i> , 2010, 108, 114911.	1.1	18
110	Complex dynamics and synchronization of delayed-feedback nonlinear oscillators. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 343-366.	1.6	74
111	On the Propagation of Information and the Use of Localization in Ensemble Kalman Filtering. <i>Journals of the Atmospheric Sciences</i> , 2010, 67, 3823-3834.	0.6	10
112	Experimental examination of the effect of short ray trajectories in two-port wave-chaotic scattering systems. <i>Physical Review E</i> , 2010, 82, 041114.	0.8	37
113	The stability of adaptive synchronization of chaotic systems. <i>Chaos</i> , 2010, 20, 013103.	1.0	28
114	Using synchronism of chaos for adaptive learning of time-evolving network topology. <i>Physical Review E</i> , 2009, 79, 016201.	0.8	17
115	Approximating the largest eigenvalue of the modified adjacency matrix of networks with heterogeneous node biases. <i>Physical Review E</i> , 2009, 79, 056111.	0.8	10
116	Spectral properties of networks with community structure. <i>Physical Review E</i> , 2009, 80, 056114.	0.8	84
117	Exact results for the Kuramoto model with a bimodal frequency distribution. <i>Physical Review E</i> , 2009, 79, 026204.	0.8	230
118	Large Coupled Oscillator Systems with Heterogeneous Interaction Delays. <i>Physical Review Letters</i> , 2009, 103, 044101.	2.9	103
119	Effect of short ray trajectories on the scattering statistics of wave chaotic systems. <i>Physical Review E</i> , 2009, 80, 041109.	0.8	38
120	Scattering a pulse from a chaotic cavity: Transitioning from algebraic to exponential decay. <i>Physical Review E</i> , 2009, 79, 016208.	0.8	9
121	State and parameter estimation of spatiotemporally chaotic systems illustrated by an application to Rayleigh-Bénard convection. <i>Chaos</i> , 2009, 19, 013108.	1.0	20
122	Using synchronization of chaos to identify the dynamics of unknown systems. <i>Chaos</i> , 2009, 19, 033108.	1.0	26
123	Sensor based on extending the concept of fidelity to classical waves. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	24
124	BIFURCATIONS AND CHAOS IN A PERIODICALLY PROBED COMPUTER NETWORK. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 3129-3141.	0.7	1
125	Low dimensional description of pedestrian-induced oscillation of the Millennium Bridge. <i>Chaos</i> , 2009, 19, 013129.	1.0	39
126	Correcting for Surface Pressure Background Bias in Ensemble-Based Analyses. <i>Monthly Weather Review</i> , 2009, 137, 2349-2364.	0.5	5



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127	The effect of network topology on the stability of discrete state models of genetic control. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8209-8214.	3.3	85
128	Adaptive synchronization of coupled chaotic oscillators. Physical Review E, 2009, 80, 056205.	0.8	29
129	Long time evolution of phase oscillator systems. Chaos, 2009, 19, 023117.	1.0	386
130	A local ensemble transform Kalman filter data assimilation system for the NCEP global model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2008, 60, 113-130.	0.8	146
131	Edward N. Lorenz (1917–2008). Nature, 2008, 453, 300-300.	13.7	6
132	Adaptive Synchronization of Dynamics on Evolving Complex Networks. Physical Review Letters, 2008, 100, 114101.	2.9	134
133	Low dimensional behavior of large systems of globally coupled oscillators. Chaos, 2008, 18, 037113.	1.0	750
134	External periodic driving of large systems of globally coupled phase oscillators. Chaos, 2008, 18, 037112.	1.0	73
135	Dynamics of the one-dimensional self-organized forest-fire model. Physical Review E, 2008, 78, 021113.	0.8	0
136	Synchronization in networks of networks: The onset of coherent collective behavior in systems of interacting populations of heterogeneous oscillators. Physical Review E, 2008, 77, 036107.	0.8	118
137	Weighted Percolation on Directed Networks. Physical Review Letters, 2008, 100, 058701.	2.9	48
138	Echo phenomena in large systems of coupled oscillators. Chaos, 2008, 18, 037115.	1.0	22
139	Assessing Predictability with a Local Ensemble Kalman Filter. Journals of the Atmospheric Sciences, 2007, 64, 1116-1140.	0.6	18
140	Control of rare intense events in spatiotemporally chaotic systems. Physical Review E, 2007, 76, 066206.	0.8	7
141	Approximating the largest eigenvalue of network adjacency matrices. Physical Review E, 2007, 76, 056119.	0.8	113
142	Modeling walker synchronization on the Millennium Bridge. Physical Review E, 2007, 75, 021110.	0.8	134
143	Network synchronization of groups. Physical Review E, 2007, 76, 056114.	0.8	119
144	Assimilating non-local observations with a local ensemble Kalman filter. Tellus, Series A: Dynamic Meteorology and Oceanography, 2007, 59, 719-730.	0.8	49

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145	Analog Experiments in Quantum Chaos. , 2007, , .		0
146	Ensemble forecasting and data assimilation: two problems with the same solution?. , 2006, , 157-180.		14
147	Extracting Envelopes of Nonzonally Propagating Rossby Wave Packets. Monthly Weather Review, 2006, 134, 1329-1333.	0.5	31
148	Crowd synchrony on the London Millennium Bridge. Chaos, 2006, 16, 041104.	1.0	3
149	Local ensemble Kalman filtering in the presence of model bias. Tellus, Series A: Dynamic Meteorology and Oceanography, 2006, 58, 293-306.	0.8	75
150	Emergence of synchronization in complex networks of interacting dynamical systems. Physica D: Nonlinear Phenomena, 2006, 224, 114-122.	1.3	54
151	Statistics of Impedance and Scattering Matrices in Chaotic Microwave Cavities: Single Channel Case. Electromagnetics, 2006, 26, 3-35.	0.3	80
152	Characterizing the Dynamical Importance of Network Nodes and Links. Physical Review Letters, 2006, 97, 094102.	2.9	199
153	Universal properties of two-port scattering, impedance, and admittance matrices of wave-chaotic systems. Physical Review E, 2006, 74, 036213.	0.8	52
154	Emergence of Coherence in Complex Networks of Heterogeneous Dynamical Systems. Physical Review Letters, 2006, 96, 254103.	2.9	40
155	Statistics of Impedance and Scattering Matrices of Chaotic Microwave Cavities with Multiple Ports. Electromagnetics, 2006, 26, 37-55.	0.3	60
156	Scale Dependence of Branching in Arterial and Bronchial Trees. Physical Review Letters, 2006, 96, 128101.	2.9	10
157	Characterization of fluctuations of impedance and scattering matrices in wave chaotic scattering. Physical Review E, 2006, 73, 046208.	0.8	55
158	Synchronization in large directed networks of coupled phase oscillators. Chaos, 2006, 16, 015107.	1.0	85
159	Experimental test of universal conductance fluctuations by means of wave-chaotic microwave cavities. Physical Review B, 2006, 74, .	1.1	33
160	Crowd synchrony on the Millennium Bridge. Nature, 2005, 438, 43-44.	13.7	474
161	Assessing a local ensemble Kalman filter: perfect model experiments with the National Centers for Environmental Prediction global model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2005, 57, 528-545.	0.8	48
162	Assessing a local ensemble Kalman filter: perfect model experiments with the National Centers for Environmental Prediction global model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2005, 57, 528-545.	0.8	50

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163	Study and Applications of Wideband Oscillations in High-Power Pulsed Traveling-Wave Tubes. IEEE International Conference on Plasma Science, 2005, , .	0.0	1
164	Onset of synchronization in large networks of coupled oscillators. Physical Review E, 2005, 71, 036151.	0.8	248
165	Universal statistics of the scattering coefficient of chaotic microwave cavities. Physical Review E, 2005, 71, 056215.	0.8	80
166	Exponential decay of chaotically advected passive scalars in the zero diffusivity limit. Physical Review E, 2005, 71, 066301.	0.8	24
167	Formation of multifractal population patterns from reproductive growth and local resettlement. Physical Review E, 2005, 72, 046213.	0.8	10
168	Intermittency in two-dimensional turbulence with drag. Physical Review E, 2005, 71, 066313.	0.8	36
169	Universal Impedance Fluctuations in Wave Chaotic Systems. Physical Review Letters, 2005, 94, 014102.	2.9	123
170	Theoretical mechanics: Crowd synchrony on the Millennium Bridge. Nature, 2005, 438, 43-44.	13.7	129
171	Growing networks with geographical attachment preference: Emergence of small worlds. Physical Review E, 2004, 69, 026108.	0.8	67
172	Localized error bursts in estimating the state of spatiotemporal chaos. Chaos, 2004, 14, 1042-1049.	1.0	5
173	Publisher's Note: Scaling properties of saddle-node bifurcations on fractal basin boundaries [Phys. Rev. E 68, 066213 (2003)]. Physical Review E, 2004, 69, .	0.8	0
174	Spatial patterns of desynchronization bursts in networks. Physical Review E, 2004, 69, 066215.	0.8	41
175	Desynchronization Waves and Localized Instabilities in Oscillator Arrays. Physical Review Letters, 2004, 93, 114101.	2.9	23
176	Onset of synchronization in systems of globally coupled chaotic maps. Physical Review E, 2004, 69, 066210.	0.8	18
177	PHASE SYNCHRONIZATION IN A MODULATED CHAOTIC LASER ARRAY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 3205-3216.	0.7	7
178	Band-in-band segregation of multidisperse granular mixtures. Europhysics Letters, 2004, 66, 205-211.	0.7	62
179	Simple model for reverse buoyancy in a vibrated granular system. Europhysics Letters, 2004, 67, 369-375.	0.7	14
180	Four-dimensional ensemble Kalman filtering. Tellus, Series A: Dynamic Meteorology and Oceanography, 2004, 56, 273-277.	0.8	129

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181	A local ensemble Kalman filter for atmospheric data assimilation. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2004, 56, 415-428.	0.8	366
182	Report of the Second Fusion Energy Sciences Committee of Visitors. <i>Journal of Fusion Energy</i> , 2004, 23, 237-261.	0.5	0
183	Power-law decay and self-similar distributions in stadium-type billiards. <i>Physica D: Nonlinear Phenomena</i> , 2004, 193, 96-127.	1.3	27
184	Estimating the state of large spatio-temporally chaotic systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 330, 365-370.	0.9	9
185	Communication with a chaotic traveling wave tube microwave generator. <i>Chaos</i> , 2004, 14, 30-37.	1.0	45
186	Segregation in a monolayer of magnetic spheres. <i>Physical Review E</i> , 2004, 70, 031304.	0.8	39
187	Lack of predictability in dynamical systems with drift: scaling of indeterminate saddle-node bifurcations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 319, 79-84.	0.9	12
188	Bifurcation scenarios for bubbling transition. <i>Physical Review E</i> , 2003, 67, 016204.	0.8	13
189	Pattern formation in a monolayer of magnetic spheres. <i>Physical Review E</i> , 2003, 68, 026207.	0.8	45
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