Bruno Eckhardt

List of Publications by Year
in descending order

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227 papers	9,778 citations	38660 50 h-index	43802 91 g-index
229 all docs	229 docs citations	229 times ranked	4280 citing authors

#	Article	IF	Citations
1	Interpreted machine learning in fluid dynamics: explaining relaminarisation events in wall-bounded shear flows. Journal of Fluid Mechanics, 2022, 942, .	1.4	6
2	Purely elastic linear instabilities in parallel shear flows with free-slip boundary conditions. Journal of Fluid Mechanics, 2021, 928, .	1.4	2
3	Linear feedback control of invariant solutions in channel flow. Journal of Fluid Mechanics, 2020, 900, .	1.4	8
4	A Set-Oriented Path Following Method for the Approximation of Parameter Dependent Attractors. SIAM Journal on Applied Dynamical Systems, 2020, 19, 705-723.	0.7	3
5	Attached eddy model revisited using a minimal quasi-linear approximation. Journal of Fluid Mechanics, 2020, 894, .	1.4	22
6	On the genesis of different regimes in canopy flows: a numerical investigation. Journal of Fluid Mechanics, 2020, 891, .	1.4	19
7	Chromosome Segregation in Bacillus subtilis Follows an Overall Pattern of Linear Movement and Is Highly Robust against Cell Cycle Perturbations. MSphere, 2020, 5, .	1.3	13
8	Quadrupolar flows around spots in internal shear flows. Journal of Fluid Mechanics, 2020, 892, .	1.4	6
9	Non-universal transitions to two-dimensional turbulence. Journal of Fluid Mechanics, 2020, 892, .	1.4	5
10	Exact relations between Rayleighâ€“BÃ©nard and rotating plane Couette flow in two dimensions. Journal of Fluid Mechanics, 2020, 903, .	1.4	5
11	Using machine learning to predict extreme events in the HÃ©non map. Chaos, 2020, 30, 013113.	1.0	21
12	Transition to turbulence when the Tollmienâ€“Schlichting and bypass routesÂcoexist. Journal of Fluid Mechanics, 2019, 880, .	1.4	4
13	Phase Transition to Large Scale Coherent Structures in Two-Dimensional Active Matter Turbulence. Physical Review Letters, 2019, 122, 214503.	2.9	36
14	Dynamic feedback control through wall suction in shear flows. Proceedings in Applied Mathematics and Mechanics, 2019, 19, e201900369.	0.2	1
15	Double ionization of a three-electron atom: Spin correlation effects. Physical Review A, 2019, 100, .	1.0	8
16	Learning the space-time phase diagram of bacterial swarm expansion. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1489-1494.	3.3	86
17	Quasilinear approximation for exact coherent states in parallel shear flows. Fluid Dynamics Research, 2019, 51, 011402.	0.6	18
18	Transition to turbulence in shear flows. Physica A: Statistical Mechanics and Its Applications, 2018, 504, 121-129.	1.2	18

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19	Small scale exact coherent structures at large Reynolds numbers in plane Couette flow. Nonlinearity, 2018, 31, R66-R77.	0.6	20
20	Spatial arrangement of several flagellins within bacterial flagella improves motility in different environments. Nature Communications, 2018, 9, 5369.	5.8	51
21	Front-propagation in bacterial inter-colony communication. Chaos, 2018, 28, 106316.	1.0	4
22	Microdomain formation is a general property of bacterial membrane proteins and induces heterogeneity of diffusion patterns. BMC Biology, 2018, 16, 97.	1.7	45
23	Ab initio study of time-dependent dynamics in strong-field triple ionization. Physical Review A, 2018, 98, .	1.0	19
24	Restricted-space ab initio models for double ionization by strong laser pulses. Physical Review A, 2018, 98, .	1.0	14
25	Extended localized structures and the onset of turbulence in channel flow. Physical Review Fluids, 2018, 3, .	1.0	33
26	Analysis and modeling of localized invariant solutions in pipe flow. Physical Review Fluids, 2018, 3, .	1.0	5
27	Heat transport in Rayleighâ€“BÃ©nard convection and angular momentum transport in Taylorâ€“Couette flow: a comparative study. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160079.	1.6	7
28	Marginally stable and turbulent boundary layers in low-curvature Taylorâ€“Couette flow. Journal of Fluid Mechanics, 2017, 815, 149-168.	1.4	7
29	Bacteria exploit a polymorphic instability of the flagellar filament to escape from traps. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6340-6345.	3.3	123
30	Harbingers and latecomers â€“ the order of appearance of exact coherent structures in plane Poiseuille flow. Journal of Turbulence, 2017, 18, 103-114.	0.5	7
31	Super Resolution Fluorescence Microscopy and Tracking of Bacterial Flotillin (Reggie) Paralogs Provide Evidence for Defined-Sized Protein Microdomains within the Bacterial Membrane but Absence of Clusters Containing Detergent-Resistant Proteins. PLoS Genetics, 2016, 12, e1006116.	1.5	44
32	Edge states as mediators of bypass transition in boundary-layer flows. Journal of Fluid Mechanics, 2016, 801, .	1.4	23
33	Transition in the asymptotic suction boundary layer over a heated plate. Journal of Fluid Mechanics, 2016, 803, 175-199.	1.4	5
34	Momentum transport in Taylorâ€“Couette flow with vanishing curvature. Journal of Fluid Mechanics, 2016, 790, 419-452.	1.4	34
35	Streamwise decay of localized states in channel flow. Physical Review E, 2016, 94, 041101.	0.8	6
36	Microstructural Analysis of Perfluoropentacene Films on Graphene and Graphite: Interface-Mediated Alignment and Island Formation. Crystal Growth and Design, 2016, 16, 6941-6950.	1.4	6

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37	Coupling between diffusion and orientation of pentacene molecules on an organic surface. Nature Materials, 2016, 15, 397-400.	13.3	37
38	Bypass transition and spot nucleation in boundary layers. Physical Review Fluids, 2016, 1, .	1.0	29
39	Order-disorder transitions in a sheared many-body system. Physical Review E, 2015, 92, 062208.	0.8	5
40	Crisis bifurcations in plane Poiseuille flow. Physical Review E, 2015, 91, 041003.	0.8	21
41	Direct and noisy transitions in a model shear flow. Theoretical and Applied Mechanics Letters, 2015, 5, 111-116.	1.3	7
42	Turbulent states in plane Couette flow with rotation. Physics of Fluids, 2015, 27, 045109.	1.6	26
43	Periodically bursting edge states in plane Poiseuille flow. Fluid Dynamics Research, 2014, 46, 041419.	0.6	19
44	Groebner Basis Methods for Stationary Solutions of a Low-Dimensional Model for a Shear Flow. Journal of Nonlinear Science, 2014, 24, 935-948.	1.0	2
45	Doubly localized states in plane Couette flow. Journal of Fluid Mechanics, 2014, 758, 1-4.	1.4	12
46	A spotlike edge state in plane Poiseuille flow. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 591-592.	0.2	5
47	Long-wavelength instability of coherent structures in plane Couette flow. Physical Review E, 2014, 89, 043008.	0.8	16
48	Complexity of localised coherent structures in a boundary-layer flow. European Physical Journal E, 2014, 37, 32.	0.7	17
49	Increasing Lifetimes and the Growing Saddles of Shear Flow Turbulence. Physical Review Letters, 2014, 112, 044503.	2.9	23
50	Numerical Bifurcation Methods and their Application to Fluid Dynamics: Analysis beyond Simulation. Communications in Computational Physics, 2014, 15, 1-45.	0.7	136
51	Comoving frames and symmetry-related motions in parallel shear flows. Journal of Fluid Mechanics, 2014, 751, 685-697.	1.4	12
52	Streamwise and doubly-localised periodic orbits in plane Poiseuille flow. Journal of Fluid Mechanics, 2014, 761, 348-359.	1.4	41
53	Direct numerical simulations of local and global torque in Taylorâ€“Couette flow up to Re = 30 000. Journal of Fluid Mechanics, 2013, 718, 398-427.	1.4	68
54	Localized edge states in the asymptotic suction boundary layer. Journal of Fluid Mechanics, 2013, 717, .	1.4	48

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55	Edge states for the turbulence transition in the asymptotic suction boundary layer. Journal of Fluid Mechanics, 2013, 726, 100-122.	1.4	44
56	Intermittent boundary layers and torque maxima in Taylor-Couette flow. Physical Review E, 2013, 87, .	0.8	23
57	Directed percolation model for turbulence transition in shear flows. Fluid Dynamics Research, 2012, 44, 031201.	0.6	23
58	Self-Sustained Localized Structures in a Boundary-Layer Flow. Physical Review Letters, 2012, 108, 044501.	2.9	50
59	(Semi-)Classical Double Ionization in Intense Laser Fields. Journal of Physics: Conference Series, 2012, 388, 032038.	0.3	0
60	Periodic orbits near onset of chaos in plane Couette flow. Chaos, 2012, 22, 047505.	1.0	91
61	From travelling waves to mild chaos: a supercritical bifurcation cascade in pipe flow. Journal of Fluid Mechanics, 2012, 709, 149-190.	1.4	32
62	Non-normal tracer diffusion from stirring by swimming microorganisms. European Physical Journal E, 2012, 35, 96.	0.7	20
63	Turbulence Transition in Shear Flows: Chaos in High-Dimensional Spaces. Procedia IUTAM, 2012, 5, 165-168.	1.2	6
64	A Critical Point for Turbulence. Science, 2011, 333, 165-166.	6.0	21
65	Chaos control applied to coherent states in transitional flows. Journal of Physics: Conference Series, 2011, 318, 032005.	0.3	2
66	Takensâ€“Bogdanov bifurcation of travelling-wave solutions in pipe flow. Journal of Fluid Mechanics, 2011, 670, 96-129.	1.4	27
67	Localized edge states nucleate turbulence in extended plane Couette cells. Journal of Fluid Mechanics, 2010, 646, 441-451.	1.4	82
68	Extreme vorticity growth in Navierâ€“Stokes turbulence. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 861-865.	0.9	30
69	Phase effects in double ionization by strong short pulses. Chemical Physics, 2010, 370, 168-174.	0.9	18
70	Gradient nanowires and nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 2451-2457.	0.7	5
71	Transient turbulence in plane Couette flow. Physical Review E, 2010, 81, 015301.	0.8	29
72	Localized edge states for the transition to turbulence in shear flows. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2010, , 253-258.	0.1	2

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73	Basin boundary, edge of chaos and edge state in a two-dimensional model. New Journal of Physics, 2009, 11, 013040.	1.2	39
74	Introduction. Turbulence transition in pipe flow: 125th anniversary of the publication of Reynolds' paper. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 449-455.	1.6	47
75	Transition in Localized Pipe Flow Turbulence. Physical Review Letters, 2009, 103, 054502.	2.9	72
76	Edge states intermediate between laminar and turbulent dynamics in pipe flow. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 577-587.	1.6	30
77	Localization in plane Couette edge dynamics. Springer Proceedings in Physics, 2009, , 83-84.	0.1	2
78	The Multispectral Method: Progress and Prospects. Springer Proceedings in Physics, 2009, , 791-794.	0.1	0
79	How does flow in a pipe become turbulent?. European Physical Journal B, 2008, 64, 457-462.	0.6	8
80	Time-dependent effects in high viscosity fluid dynamics. European Physical Journal: Special Topics, 2008, 157, 135-148.	1.2	5
81	Turbulence transition in pipe flow: some open questions. Nonlinearity, 2008, 21, T1-T11.	0.6	59
82	A Hybrid Peer-to-Peer and Grid Job Scheduling System for Teaming Up Desktop Resources with Computer Clusters to Perform Turbulence Simulations. , 2008, , .		1
83	Mixing effectiveness depends on the sourceâ€“sink structure: simulation results. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, P07018.	0.9	5
84	Quantum model for double ionization of atoms in strong laser fields. Physical Review A, 2008, 78, .	1.0	26
85	Suppression of correlated electron escape in double ionization in strong laser fields. Physical Review A, 2008, 77, .	1.0	9
86	Amplitude equation and long-range interactions in underwater sand ripples in one dimension. Physical Review E, 2008, 78, 047301.	0.8	10
87	Lifetime statistics in transitional pipe flow. Physical Review E, 2008, 78, 046310.	0.8	27
88	Synchronization, phase locking, and metachronal wave formation in ciliary chains. Chaos, 2008, 18, 037128.	1.0	185
89	Laminar-turbulent boundary in plane Couette flow. Physical Review E, 2008, 78, 037301.	0.8	88
90	Dynamical systems and the transition to turbulence in linearly stable shear flows. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 1297-1315.	1.6	60

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91	Enstrophy amplification events in three-dimensional turbulence. Chaos, 2008, 18, 041103.	1.0	2
92	Global Scaling Properties of Heat and Momentum Transport in Fluid Flow. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2008, , 11-18.	0.1	0
93	Fluxes and energy dissipation in thermal convection and shear flows. Europhysics Letters, 2007, 78, 24001.	0.7	29
94	Statistical analysis of coherent structures in transitional pipe flow. Physical Review E, 2007, 75, 066313.	0.8	62
95	Abnormal mixing of passive scalars in chaotic flows. Physical Review E, 2007, 75, 036308.	0.8	23
96	Shear turbulence on a sparse spectral grid. Physical Review E, 2007, 76, 016301.	0.8	8
97	Time-Resolved Quantum Dynamics of Double Ionization in Strong Laser Fields. Physical Review Letters, 2007, 98, 203002.	2.9	60
98	Onset of Fast Magnetic Reconnection. Physical Review Letters, 2007, 98, 215001.	2.9	69
99	Modeling walker synchronization on the Millennium Bridge. Physical Review E, 2007, 75, 021110.	0.8	134
100	Turbulence Transition and the Edge of Chaos in Pipe Flow. Physical Review Letters, 2007, 99, 034502.	2.9	186
101	Dynamics at the Edge of Chaos in Pipe Flow. , 2007, , 559-561.		0
102	Oscillatory Relaxation Towards Turbulent States. , 2007, , 31-35.		0
103	What Rayleigh-BÃ©nard, Taylor-Couette and Pipe Flows have in Common. , 2007, , 3-10.		0
104	Torque scaling in turbulent Taylorâ€“Couette flow between independently rotating cylinders. Journal of Fluid Mechanics, 2007, 581, 221-250.	1.4	184
105	Turbulence Transition in Pipe Flow. Annual Review of Fluid Mechanics, 2007, 39, 447-468.	10.8	448
106	Preparation of water-stable submicron fibers from aqueous latex dispersion of water-insoluble polymers by electrospinning. Polymer, 2007, 48, 3974-3981.	1.8	57
107	Torque scaling in Taylor-Couette flow. , 2007, , 352-354.		1
108	Mean profiles for a passive scalar in wall-bounded flows from symmetry analysis. Journal of Turbulence, 2006, 7, N61.	0.5	5

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109	Asymmetry of temporal cross-correlations in turbulent shear flows. Journal of Fluid Mechanics, 2006, 547, 55.	1.4	6
110	Geometry of particle paths in turbulent flows. Journal of Turbulence, 2006, 7, N62.	0.5	62
111	Crowd synchrony on the London Millennium Bridge. Chaos, 2006, 16, 041104.	1.0	3
112	Edge of chaos in pipe flow. Chaos, 2006, 16, 041103.	1.0	25
113	Finite lifetime of turbulence in shear flows. Nature, 2006, 443, 59-62.	13.7	248
114	Links between dissipation, intermittency, and helicity in the GOY model revisited. Physica D: Nonlinear Phenomena, 2006, 218, 1-10.	1.3	15
115	Failure of energy stability in Oldroyd-B fluids at arbitrarily low Reynolds numbers. Journal of Non-Newtonian Fluid Mechanics, 2006, 135, 92-96.	1.0	34
116	Classical threshold behaviour in a (1+1)-dimensional model for double ionization in strong fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 3865-3871.	0.6	16
117	Edge of Chaos in a Parallel Shear Flow. Physical Review Letters, 2006, 96, 174101.	2.9	243
118	Vortex formation by active agents as a model forDaphniaswarming. Physical Review E, 2006, 73, 061924.	0.8	23
119	Crowd synchrony on the Millennium Bridge. Nature, 2005, 438, 43-44.	13.7	474
120	Dynamical Systems and the Transition to Turbulence. , 2005, , 35-50.		7
121	Energy and Dissipation Balances in Rotating Flows. , 2005, , 47-50.		2
122	Scalar dissipation fronts in high-Schmidt number mixing. Chaos, 2005, 15, 041105.	1.0	1
123	Breaking time reversal symmetry by viscous dephasing. Physical Review E, 2005, 72, 037301.	0.8	4
124	Reply to â€œComment on â€˜Transition to turbulence in a shear flowâ€™â€‰â€. Physical Review E, 2005, 72, .	0.8	0
125	Nonsequential double ionization of molecules. Physical Review A, 2005, 71, .	1.0	18
126	Periodic Orbits and Chaotic Sets in a Low-Dimensional Model for Shear Flows. SIAM Journal on Applied Dynamical Systems, 2005, 4, 352-376.	0.7	39

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127	Symmetries and Boundary Layer Profiles for Scalar Fields. , 2005, , 43-46.		1
128	Theoretical mechanics: Crowd synchrony on the Millennium Bridge. Nature, 2005, 438, 43-44.	13.7	129
129	Lagrangian Tracers on a Surface Flow: The Role of Time Correlations. Physical Review Letters, 2004, 93, 134501.	2.9	46
130	Fractal lifetimes in the transition to turbulence. Chaos, 2004, 14, S11-S11.	1.0	8
131	STATISTICS OF SKIPPING EVENTS IN A NOISY THERMORECEPTOR. Fluctuation and Noise Letters, 2004, 04, L231-L236.	1.0	2
132	Fluctuations of energy injection rate in a shear flow. Physica D: Nonlinear Phenomena, 2004, 187, 370-376.	1.3	9
133	Experimental Observation of Nonlinear Traveling Waves in Turbulent Pipe Flow. Science, 2004, 305, 1594-1598.	6.0	386
134	Sensitive dependence on initial conditions in transition to turbulence in pipe flow. Journal of Fluid Mechanics, 2004, 504, 343-352.	1.4	149
135	A low-dimensional model for turbulent shear flows. New Journal of Physics, 2004, 6, 56-56.	1.2	109
136	Asymmetric Time Correlations In Turbulent Shear Flows. Fluid Mechanics and Its Applications, 2004, , 253-256.	0.1	2
137	Noise correlations in shear flows. European Physical Journal B, 2003, 33, 373-378.	0.6	21
138	Energy dissipation in body-forced plane shear flow. Journal of Fluid Mechanics, 2003, 494, 275-284.	1.4	23
139	Lifetimes of noisy repellors. Physical Review E, 2003, 68, 026215.	0.8	11
140	Traveling Waves in Pipe Flow. Physical Review Letters, 2003, 91, 224502.	2.9	336
141	Echoes in classical dynamical systems. Journal of Physics A, 2003, 36, 371-380.	1.6	32
142	Pathways to non-sequential multiple ionization in strong laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 3923-3935.	0.6	6
143	Passive Fields and Particles in Chaotic Flows. Solid Mechanics and Its Applications, 2003, , 415-424.	0.1	0
144	Clustering dynamics of Lagrangian tracers in free-surface flows. Physical Review E, 2002, 66, 017303.	0.8	28

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145	Stretching of polymers in a turbulent environment. Computer Physics Communications, 2002, 147, 538-543.	3.0	30
146	Wannier threshold law for two-electron escape in the presence of an external electric field. Europhysics Letters, 2001, 56, 651-657.	0.7	20
147	Correlations and fluctuations of matrix elements and cross sections. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 9, 535-541.	1.3	2
148	Stroboscopic Quantization of Autonomous Systems. Foundations of Physics, 2001, 31, 543-556.	0.6	3
149	Classical Analysis of Correlated Multiple Ionization in Strong Fields. Physica Scripta, 2001, T90, 185.	1.2	12
150	Bifurcations and random matrix theory. Europhysics Letters, 2001, 53, 703-708.	0.7	0
151	Vortex pairs in viscoelastic Couette-Taylor flow. Physical Review E, 2001, 64, 027301.	0.8	9
152	Turbulence and passive scalar transport in a free-slip surface. Physical Review E, 2001, 64, 016314.	0.8	28
153	Pathways to double ionization of atoms in strong fields. Physical Review A, 2001, 63, .	1.0	60
154	Nonsequential triple ionization in strong fields. Physical Review A, 2001, 64, .	1.0	32
155	Turbulence in a free surface. Physical Review E, 2001, 63, 065303.	0.8	18
156	Evolution of turbulent spots in a parallel shear flow. Physical Review E, 2001, 63, 046307.	0.8	49
157	Non-Sequential Double Ionization of Atoms in Strong Fields. , 2001, , 79-83.		0
158	Classical Analysis of Correlated Multiple Ionization in Strong Fields. , 2001, , .		0
159	Scaling of global momentum transport in Taylor-Couette and pipe flow. European Physical Journal B, 2000, 18, 541-544.	0.6	30
160	Classical Fluctuations and Semiclassical Matrix Elements. Progress of Theoretical Physics Supplement, 2000, 139, 59-69.	0.2	3
161	Persistent turbulence in annealed plane Couette flow. Europhysics Letters, 2000, 51, 395-400.	0.7	18
162	On statistically stationary homogeneous shear turbulence. Europhysics Letters, 2000, 52, 627-632.	0.7	40

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163	Phase-space structure of a thermoreceptor. Physical Review E, 2000, 62, 6352-6360.	0.8	46
164	Semiclassical cross section correlations. Physical Review E, 2000, 62, 7867-7871.	0.8	7
165	Transition from the Couette-Taylor system to the plane Couette system. Physical Review E, 2000, 61, 7227-7230.	0.8	58
166	Correlations of electromagnetic fields in chaotic cavities. Europhysics Letters, 1999, 46, 134-140.	0.7	30
167	Structure function of passive scalars in two-dimensional turbulence. Physical Review E, 1999, 60, 4185-4192.	0.8	3
168	Magnetic field correlations in kinematic two-dimensional magnetohydrodynamic turbulence. Physics of Plasmas, 1999, 6, 3477-3483.	0.7	3
169	Phase space localization and matrix element distributions in systems with mixed classical phase space. Physical Review E, 1999, 59, 5272-5277.	0.8	8
170	Transition to turbulence in a shear flow. Physical Review E, 1999, 60, 509-517.	0.8	59
171	Uniform semiclassical calculation of the direct part of the photodissociation cross section of water. Journal of Chemical Physics, 1999, 110, 11749-11755.	1.2	20
172	Eigenvalue Statistics in Quantum Ideal Gases. The IMA Volumes in Mathematics and Its Applications, 1999, , 187-199.	0.5	3
173	Transition to turbulence in shear flows. , 1998, , 327-338.		1
174	Semiclassical canonical rate theory. Physical Review E, 1998, 58, 5436-5448.	0.8	25
175	Uniform semiclassical expansions for the direct part of Franck-Condon transitions. Physical Review A, 1998, 57, 1536-1547.	1.0	20
176	Phase transitions in Scheidegger and Eden networks. Journal of Physics A, 1997, 30, 6233-6244.	1.6	1
177	Semiclassical photodissociation cross section for. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 3191-3209.	0.6	22
178	Fractal Stability Border in Plane Couette Flow. Physical Review Letters, 1997, 79, 5250-5253.	2.9	101
179	Semiclassical cross sections. , 1997, , 63-82.		0
180	Turbulence in a Maxwell fluid. Zeitschrift FÃ¼r Physik B-Condensed Matter, 1997, 101, 461-468.	1.1	4

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181	Spectra of filtered signals. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 229, 44-48.	0.9	0
182	Fluctuations and correlations in matrix elements. Physica D: Nonlinear Phenomena, 1997, 109, 53-58.	1.3	4
183	Reply [to â€œComment on â€˜Power Law Distribution of Discharge in Ideal Networksâ€™ by H. de Vries, T. Becker, and B. Eckhardtâ€]. Water Resources Research, 1996, 32, 2615-2615.	1.7	1
184	Effective variables in ecosystem models with an application to phytoplankton succession. Ecological Modelling, 1996, 92, 33-53.	1.2	89
185	Eigenvalue density oscillations in separable microwave resonators. Physical Review E, 1996, 53, 4166-4175.	0.8	10
186	Dynamics of a stochastically driven running sandpile. Journal of Nonlinear Science, 1995, 5, 167-188.	1.0	6
187	Local stability analysis along Lagrangian paths. Chaos, Solitons and Fractals, 1995, 5, 2073-2088.	2.5	17
188	Approach to ergodicity in quantum wave functions. Physical Review E, 1995, 52, 5893-5903.	0.8	93
189	Semiclassical Form Factor of Matrix Element Fluctuations. Physical Review Letters, 1995, 75, 2300-2303.	2.9	22
190	Transition state theory for ballistic electrons. Journal of Physics A, 1995, 28, 3469-3478.	1.6	26
191	Periodic orbit quantization of Baker's map. Journal of Physics A, 1994, 27, 4449-4455.	1.6	10
192	Periodic orbit analysis of billiard level dynamics. Physical Review E, 1994, 49, R1-R4.	0.8	23
193	Correlation functions in chaotic systems from periodic orbits. Physical Review E, 1994, 50, 4571-4576.	0.8	14
194	Periodic orbit analysis of the Lorenz attractor. European Physical Journal B, 1994, 93, 259-266.	0.6	44
195	Power law distribution of discharge in ideal networks. Water Resources Research, 1994, 30, 3541-3543.	1.7	29
196	Periodic orbits and diffusion in standard maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 172, 411-415.	0.9	12
197	Local Lyapunov exponents in chaotic systems. Physica D: Nonlinear Phenomena, 1993, 65, 100-108.	1.3	97
198	Order and chaos in quantum irregular scattering: Wigner's time delay. New Astronomy Reviews, 1993, 37, 43-55.	0.3	3

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199	Escape rates and Hausdorff dimension of Julia sets. Chaos, Solitons and Fractals, 1993, 3, 387-394.	2.5	0
200	Quantum effects of periodic orbits for the kicked top. European Physical Journal B, 1993, 92, 221-233.	0.6	32
201	Continued-fraction expansion of eigenvalues of generalized evolution operators in terms of periodic orbits. European Physical Journal B, 1993, 92, 235-242.	0.6	5
202	Symmetry decomposition of chaotic dynamics. Nonlinearity, 1993, 6, 277-311.	0.6	93
203	Resummation of classical and semiclassical periodic-orbit formulas. Physical Review E, 1993, 47, 1578-1588.	0.8	24
204	Correlations in quantum time delay. Chaos, 1993, 3, 613-617.	1.0	36
205	Semiclassical matrix elements from periodic orbits. Physical Review A, 1992, 45, 3531-3539.	1.0	71
206	Periodic orbit expansions for classical smooth flows. Journal of Physics A, 1991, 24, L237-L241.	1.6	127
207	Indices in classical mechanics. Journal of Physics A, 1991, 24, 4335-4348.	1.6	48
208	Quantum eigenvalues from classical periodic orbits. Physical Review Letters, 1991, 67, 2410-2413.	2.9	89
209	Phase space analysis of chaotic spectra in a conservative Hamiltonian system. Chemical Physics Letters, 1990, 174, 325-332.	1.2	20
210	Symbolic description of periodic orbits for the quadratic Zeeman effect. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, 355-363.	0.6	52
211	Quantum mechanics of a classically chaotic system: Observations on scars, periodic orbits, and vibrational adiabaticity. Physical Review A, 1989, 39, 3776-3793.	1.0	140
212	Periodic-orbit quantization of chaotic systems. Physical Review Letters, 1989, 63, 823-826.	2.9	324
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