

Tomaz Prosen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2384696/publications.pdf>

Version: 2024-02-01

248
papers

11,348
citations

25031

57
h-index

37202

96
g-index

249
all docs

249
docs citations

249
times ranked

3246
citing authors

#	ARTICLE	IF	CITATIONS
1	Many-body localization in the Heisenberg χ magnet in a random field. Physical Review B, 2008, 77, .	3.2	725
2	Dynamics of Loschmidt echoes and fidelity decay. Physics Reports, 2006, 435, 33-156.	25.6	509
3	Open χ Spin Chain: Nonequilibrium Steady State and a Strict Bound on Ballistic Transport. Physical Review Letters, 2011, 106, 217206.	7.8	380
4	Third quantization: a general method to solve master equations for quadratic open Fermi systems. New Journal of Physics, 2008, 10, 043026.	2.9	316
5	Exact Nonequilibrium Steady State of a Strongly Driven Open χ Chain. Physical Review Letters, 2011, 107, 137201.	7.8	211
6	Matrix product simulations of non-equilibrium steady states of quantum spin chains. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P02035.	2.3	203
7	Quasiloca charges in integrable lattice systems. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 064008.	2.3	202
8	Spin diffusion from an inhomogeneous quench in an integrable system. Nature Communications, 2017, 8, 16117.	12.8	182
9	Quantum chaos challenges many-body localization. Physical Review E, 2020, 102, 062144.	2.1	182
10	Exact Spectral Form Factor in a Minimal Model of Many-Body Quantum Chaos. Physical Review Letters, 2018, 121, 264101.	7.8	171
11	Families of Quasiloca Conservation Laws and Quantum Spin Transport. Physical Review Letters, 2013, 111, 057203.	7.8	160
12	Momentum Conservation Implies Anomalous Energy Transport in 1D Classical Lattices. Physical Review Letters, 2000, 84, 2857-2860.	7.8	158
13	General relation between quantum ergodicity and fidelity of quantum dynamics. Physical Review E, 2002, 65, 036208.	2.1	152
14	A note on symmetry reductions of the Lindblad equation: transport in constrained open spin chains. New Journal of Physics, 2012, 14, 073007.	2.9	148
15	Stability of quantum motion and correlation decay. Journal of Physics A, 2002, 35, 1455-1481.	1.6	146
16	Quantum Phase Transition in a Far-from-Equilibrium Steady State of an χ Spin Chain. Physical Review Letters, 2008, 101, 105701.	7.8	139
17	T -Symmetric Wave Chaos. Physical Review Letters, 2010, 104, 054102.	7.8	123
18	Entanglement Spreading in a Minimal Model of Maximal Many-Body Quantum Chaos. Physical Review X, 2019, 9, .	8.9	123

#	ARTICLE	IF	CITATIONS
19	Operator space entanglement entropy in a transverse Ising chain. <i>Physical Review A</i> , 2007, 76, .	2.5	121
20	Exact Correlation Functions for Dual-Unitary Lattice Models in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Dimensions. <i>Physical Review Letters</i> , 2019, 123, 210601.	7.8	121
21	Kardar-Parisi-Zhang Physics in the Quantum Heisenberg Magnet. <i>Physical Review Letters</i> , 2019, 122, 210602.	7.8	118
22	Semiclassical energy level statistics in the transition region between integrability and chaos: transition from Brody-like to Berry-Robnik behaviour. <i>Journal of Physics A</i> , 1994, 27, 8059-8077.	1.6	112
23	Many-Body Quantum Chaos: Analytic Connection to Random Matrix Theory. <i>Physical Review X</i> , 2018, 8, .	8.9	111
24	Mixing Property of Triangular Billiards. <i>Physical Review Letters</i> , 1999, 83, 4729-4732.	7.8	108
25	Weak quantum chaos. <i>Physical Review B</i> , 2017, 96, .	3.2	108
26	Charge and spin transport in strongly correlated one-dimensional quantum systems driven far from equilibrium. <i>Physical Review B</i> , 2009, 80, .	3.2	103
27	Superdiffusion in One-Dimensional Quantum Lattice Models. <i>Physical Review Letters</i> , 2018, 121, 230602.	7.8	101
28	Exact dynamics in dual-unitary quantum circuits. <i>Physical Review B</i> , 2020, 101, .	3.2	101
29	Energy level statistics in the transition region between integrability and chaos. <i>Journal of Physics A</i> , 1993, 26, 2371-2387.	1.6	100
30	Exact solution of Markovian master equations for quadratic Fermi systems: thermal baths, open XY spin chains and non-equilibrium phase transition. <i>New Journal of Physics</i> , 2010, 12, 025016.	2.9	100
31	Time Evolution of a Quantum Many-Body System: Transition from Integrability to Ergodicity in the Thermodynamic Limit. <i>Physical Review Letters</i> , 1998, 80, 1808-1811.	7.8	98
32	Quasilocally Conserved Operators in the Isotropic Heisenberg Spin- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Chain. <i>Physical Review Letters</i> , 2015, 115, 120601.	7.8	97
33	Ergodicity breaking transition in finite disordered spin chains. <i>Physical Review B</i> , 2020, 102, .	3.2	96
34	Complex Spacing Ratios: A Signature of Dissipative Quantum Chaos. <i>Physical Review X</i> , 2020, 10, .	8.9	95
35	Spectral theorem for the Lindblad equation for quadratic open fermionic systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P07020.	2.3	94
36	Energy transport and detailed verification of Fourier heat law in a chain of colliding harmonic oscillators. <i>Journal of Physics A</i> , 1992, 25, 3449-3472.	1.6	93

#	ARTICLE	IF	CITATIONS
37	Anomalous heat conduction in a one-dimensional ideal gas. <i>Physical Review E</i> , 2003, 67, 015203.	2.1	89
38	Is the efficiency of classical simulations of quantum dynamics related to integrability?. <i>Physical Review E</i> , 2007, 75, 015202.	2.1	88
39	Exact Bethe Ansatz Spectrum of a Tight-Binding Chain with Dephasing Noise. <i>Physical Review Letters</i> , 2016, 117, 137202.	7.8	86
40	Matrix product solutions of boundary driven quantum chains. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 373001.	2.1	82
41	Influence of dephasing on many-body localization. <i>Physical Review B</i> , 2016, 93, .	3.2	81
42	Quasilocl conservation laws in XXZ spin-1/2 chains: Open, periodic and twisted boundary conditions. <i>Nuclear Physics B</i> , 2014, 886, 1177-1198.	2.5	80
43	Ergodic properties of a generic nonintegrable quantum many-body system in the thermodynamic limit. <i>Physical Review E</i> , 1999, 60, 3949-3968.	2.1	77
44	A random matrix formulation of fidelity decay. <i>New Journal of Physics</i> , 2004, 6, 20-20.	2.9	74
45	Thermodynamic Bounds on Drude Weights in Terms of Almost-conserved Quantities. <i>Communications in Mathematical Physics</i> , 2013, 318, 809-830.	2.2	73
46	Fourier Law in the Alternate-Mass Hard-Core Potential Chain. <i>Physical Review Letters</i> , 2004, 92, 254301.	7.8	72
47	Exact Nonequilibrium Steady State of an Open Hubbard Chain. <i>Physical Review Letters</i> , 2014, 112, 030603.	7.8	72
48	Thermopower with broken time-reversal symmetry. <i>Physical Review B</i> , 2011, 84, .	3.2	69
49	Operator Entanglement in Local Quantum Circuits I: Chaotic Dual-Unitary Circuits. <i>SciPost Physics</i> , 2020, 8, .	4.9	68
50	Quantization over boson operator spaces. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 392004.	2.1	67
51	Fidelity and purity decay in weakly coupled composite systems. <i>Journal of Physics A</i> , 2003, 36, 2463-2481.	1.6	66
52	Negative differential conductivity in far-from-equilibrium quantum spin chains. <i>Europhysics Letters</i> , 2009, 85, 37001.	2.0	64
53	Magnetically Induced Thermal Rectification. <i>Physical Review Letters</i> , 2007, 98, 104302.	7.8	63
54	Theory of Quantum Loschmidt Echoes. <i>Progress of Theoretical Physics Supplement</i> , 2003, 150, 200-228.	0.1	62

#	ARTICLE	IF	CITATIONS
55	Fourier's law in a quantum spin chain and the onset of quantum chaos. Europhysics Letters, 2005, 72, 520-526.	2.0	60
56	Nonequilibrium Phase Transition in a Periodically Driven X Spin Chain. Physical Review Letters, 2011, 107, 060403.	7.8	58
57	Diffusive high-temperature transport in the one-dimensional Hubbard model. Physical Review B, 2012, 86, .	3.2	58
58	Universal Signature from Integrability to Chaos in Dissipative Open Quantum Systems. Physical Review Letters, 2019, 123, 254101.	7.8	56
59	Can quantum chaos enhance the stability of quantum computation?. Journal of Physics A, 2001, 34, L681-L687.	1.6	55
60	Increasing Thermoelectric Efficiency: A Dynamical Systems Approach. Physical Review Letters, 2008, 101, 016601.	7.8	55
61	Operator space entanglement entropy in XY spin chains. Physical Review B, 2009, 79, .	3.2	55
62	Triangle Map: A Model of Quantum Chaos. Physical Review Letters, 2000, 85, 4261-4264.	7.8	54
63	Nonequilibrium particle and energy currents in quantum chains connected to mesoscopic Fermi reservoirs. Physical Review B, 2012, 86, .	3.2	54
64	Chaos and complexity of quantum motion. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 7881-7918.	2.1	53
65	Thermalization and ergodicity in one-dimensional many-body open quantum systems. Physical Review E, 2010, 81, 051135.	2.1	53
66	Integrable Trotterization: Local Conservation Laws and Boundary Driving. Physical Review Letters, 2018, 121, 030606.	7.8	52
67	Breakdown of the Generalized Gibbs Ensemble for Current-Generating Quenches. Physical Review Letters, 2014, 113, 020602.	7.8	51
68	P Symmetric Quantum Liouvillean Dynamics. Physical Review Letters, 2012, 109, 090404.	7.8	49
69	Normal and anomalous heat transport in one-dimensional classical lattices. Chaos, 2005, 15, 015117.	2.5	48
70	Statistical Properties of Matrix Elements in a Hamilton System Between Integrability and Chaos. Annals of Physics, 1994, 235, 115-164.	2.8	46
71	Exact Time-Correlation Functions of Quantum Ising Chain in a Kicking Transversal Magnetic Field. Progress of Theoretical Physics Supplement, 2000, 139, 191-203.	0.1	46
72	Decoherence of spin echoes. Journal of Physics A, 2002, 35, 4707-4727.	1.6	45

#	ARTICLE	IF	CITATIONS
73	Identifying Local and Quasilocal Conserved Quantities in Integrable Systems. Physical Review Letters, 2015, 114, 140601.	7.8	45
74	Diffusion in Deterministic Interacting Lattice Systems. Physical Review Letters, 2017, 119, 110603.	7.8	45
75	Fisher information approach to nonequilibrium phase transitions in a quantum XXZ spin chain with boundary noise. Physical Review B, 2017, 96, .	3.2	44
76	Macroscopic Diffusive Transport in a Microscopically Integrable Hamiltonian System. Physical Review Letters, 2013, 111, 040602.	7.8	42
77	Numerical demonstration of the Berry-Robnik level spacing distribution. Journal of Physics A, 1994, 27, L459-L466.	1.6	40
78	Quantum surface of section method: eigenstates and unitary quantum Poincaré evolution. Physica D: Nonlinear Phenomena, 1996, 91, 244-277.	2.8	40
79	Complexity of thermal states in quantum spin chains. Physical Review A, 2008, 78, .	2.5	40
80	Ballistic Spin Transport in a Periodically Driven Integrable Quantum System. Physical Review Letters, 2019, 122, 150605.	7.8	40
81	Random Matrix Spectral Form Factor of Dual-Unitary Quantum Circuits. Communications in Mathematical Physics, 2021, 387, 597-620.	2.2	39
82	Energy level statistics and localization in sparsely banded random matrix ensemble. Journal of Physics A, 1993, 26, 1105-1114.	1.6	37
83	Long-Range Order in Nonequilibrium Interacting Quantum Spin Chains. Physical Review Letters, 2010, 105, 060603.	7.8	37
84	Spectral Statistics of Non-Hermitian Matrices and Dissipative Quantum Chaos. Physical Review Letters, 2021, 127, 170602.	7.8	37
85	Quantization of a generic chaotic 3D billiard with smooth boundary. I. Energy level statistics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 233, 323-331.	2.1	36
86	Lower Bounding Diffusion Constant by the Curvature of Drude Weight. Physical Review Letters, 2017, 119, 080602.	7.8	36
87	Connection between decoherence and fidelity decay in echo dynamics. Physical Review A, 2004, 70, .	2.5	35
88	Expanded boundary integral method and chaotic time-reversal doublets in quantum billiards. New Journal of Physics, 2007, 9, 15-15.	2.9	35
89	Correlations in Perturbed Dual-Unitary Circuits: Efficient Path-Integral Formula. Physical Review X, 2021, 11, .	8.9	35
90	Quantization of generic chaotic 3D billiard with smooth boundary. II. Structure of high-lying eigenstates. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 233, 332-342.	2.1	34

#	ARTICLE	IF	CITATIONS
91	Quantum freeze of fidelity decay for a class of integrable dynamics. <i>New Journal of Physics</i> , 2003, 5, 109-109.	2.9	34
92	Slow dynamics in translation-invariant quantum lattice models. <i>Physical Review B</i> , 2018, 97, .	3.2	34
93	General quantum surface-of-section method. <i>Journal of Physics A</i> , 1995, 28, 4133-4155.	1.6	33
94	Faster Than Lyapunov Decays of the Classical Loschmidt Echo. <i>Physical Review Letters</i> , 2004, 92, 034101.	7.8	33
95	Spectral and steady-state properties of random Liouvillians. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 305303.	2.1	33
96	Operator Entanglement in Local Quantum Circuits II: Solitons in Chains of Qubits. <i>SciPost Physics</i> , 2020, 8, .	4.9	33
97	Exactly Solvable Counting Statistics in Open Weakly Coupled Interacting Spin Systems. <i>Physical Review Letters</i> , 2014, 112, 067201.	7.8	32
98	Time-Dependent Matrix Product Ansatz for Interacting Reversible Dynamics. <i>Communications in Mathematical Physics</i> , 2019, 371, 651-688.	2.2	32
99	Comments on a boundary-driven open XXZ chain: asymmetric driving and uniqueness of steady states. <i>Physica Scripta</i> , 2012, 86, 058511.	2.5	31
100	Quantum metrology with nonequilibrium steady states of quantum spin chains. <i>Physical Review A</i> , 2014, 90, .	2.5	31
101	Quasilocal conservation laws from semicyclic irreducible representations of $Uq(\mathfrak{sl}_2)$ in XXZ spin-1/2 chains. <i>Nuclear Physics B</i> , 2016, 902, 339-353.	2.5	31
102	Kardarâ€“Parisiâ€“Zhang Physics in Integrable Rotationally Symmetric Dynamics on Discrete Spaceâ€“Time Lattice. <i>Journal of Statistical Physics</i> , 2020, 179, 110-130.	1.2	31
103	Quantum invariants of motion in a generic many-body system. <i>Journal of Physics A</i> , 1998, 31, L645-L653.	1.6	30
104	Quantum localization and cantori in the stadium billiard. <i>Physical Review E</i> , 1999, 59, R2516-R2519.	2.1	30
105	Quantum chaos and the double-slit experiment. <i>Physical Review A</i> , 2005, 72, .	2.5	30
106	Integrability of a deterministic cellular automaton driven by stochastic boundaries. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 185003.	2.1	30
107	Replica Resummation of the Baker-Campbell-Hausdorff Series. <i>Physical Review Letters</i> , 2018, 120, 200607.	7.8	30
108	Statistics of the spectral form factor in the self-dual kicked Ising model. <i>Physical Review Research</i> , 2020, 2, .	3.6	30

#	ARTICLE	IF	CITATIONS
109	Intermediate statistics in the regime of mixed classical dynamics. Journal of Physics A, 1999, 32, 1863-1873.	1.6	29
110	Uniform semiclassical approach to fidelity decay in the deep Lyapunov regime. Physical Review E, 2005, 71, 037202.	2.1	29
111	Thermofield dynamics: Quantum chaos versus decoherence. Physical Review B, 2021, 103, .	3.2	29
112	Berry-Robnik level statistics in a smooth billiard system. Journal of Physics A, 1998, 31, 7023-7029.	1.6	28
113	Distribution and fluctuation properties of transition probabilities in a system between integrability and chaos. Journal of Physics A, 1993, 26, L319-L326.	1.6	27
114	Explicit solution of the Lindblad equation for nearly isotropic boundary driven XY spin $1/2$ chain. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P08016.	2.3	27
115	Rule 54: exactly solvable model of nonequilibrium statistical mechanics. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 074001.	2.3	27
116	Survey of the eigenfunctions of a billiard system between integrability and chaos. Journal of Physics A, 1993, 26, 5365-5373.	1.6	26
117	Quantum Freeze of Fidelity Decay for Chaotic Dynamics. Physical Review Letters, 2005, 94, 044101.	7.8	26
118	Failure of semiclassical methods to predict individual energy levels. Journal of Physics A, 1993, 26, L37-L44.	1.6	25
119	Lower bounds on high-temperature diffusion constants from quadratically extensive almost-conserved operators. Physical Review E, 2014, 89, 012142.	2.1	25
120	Exact matrix product decay modes of a boundary driven cellular automaton. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 395002.	2.1	25
121	Integrable Quantum Dynamics of Open Collective Spin Models. Physical Review Letters, 2019, 122, 010401.	7.8	25
122	New universal aspects of diffusion in strongly chaotic systems. Journal of Physics A, 1997, 30, L803-L813.	1.6	24
123	Exterior integrability: Yang-Baxter form of non-equilibrium steady-state density operator. New Journal of Physics, 2013, 15, 073051.	2.9	24
124	Chaos and Ergodicity in Extended Quantum Systems with Noisy Driving. Physical Review Letters, 2021, 126, 190601.	7.8	24
125	Exact large deviation statistics and trajectory phase transition of a deterministic boundary driven cellular automaton. Physical Review E, 2019, 100, 020103.	2.1	23
126	Exact Nonequilibrium Steady State of Open XZ Spin- $1/2$ Chain. Physical Review Letters, 2019, 122, 010401.	7.8	23

#	ARTICLE	IF	CITATIONS
127	Random matrix spectral form factor in kicked interacting fermionic chains. <i>Physical Review E</i> , 2020, 102, 060202.	2.1	23
128	Exact steady state manifold of a boundary driven spin-1 Sutherland chain. <i>Nuclear Physics B</i> , 2014, 882, 485-500.	2.5	22
129	Integrable matrix models in discrete space-time. <i>SciPost Physics</i> , 2020, 9, .	4.9	22
130	Lindbladian dissipation of strongly-correlated quantum matter. <i>Physical Review Research</i> , 2022, 4, .	3.6	22
131	Exactly solvable deterministic lattice model of crossover between ballistic and diffusive transport. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 123202.	2.3	21
132	Eigenstate thermalization in dual-unitary quantum circuits: Asymptotics of spectral functions. <i>Physical Review E</i> , 2021, 103, 062133.	2.1	21
133	Comment on energy level statistics in the mixed regime. <i>Journal of Physics A</i> , 1997, 30, 8787-8793.	1.6	20
134	Uni-directional transport properties of a serpent billiard. <i>Journal of Physics A</i> , 2004, 37, 3133-3145.	1.6	20
135	Eigenvalue Statistics of Reduced Density Matrix during Driving and Relaxation. <i>Physical Review Letters</i> , 2013, 110, 200602.	7.8	20
136	Spectral transitions and universal steady states in random Kraus maps and circuits. <i>Physical Review B</i> , 2020, 102, .	3.2	20
137	Integrable nonunitary open quantum circuits. <i>Physical Review B</i> , 2021, 103, .	3.2	20
138	Evolution of entanglement under echo dynamics. <i>Physical Review A</i> , 2003, 67, .	2.5	19
139	Transport properties of a boundary-driven one-dimensional gas of spinless fermions. <i>Physical Review E</i> , 2011, 84, 051115.	2.1	19
140	Approximate conservation laws in perturbed integrable lattice models. <i>Physical Review B</i> , 2015, 92, .	3.2	19
141	Signatures of Chaos in Nonintegrable Models of Quantum Field Theories. <i>Physical Review Letters</i> , 2021, 126, 121602.	7.8	19
142	Many-body quantum chaos and dual-unitarity round-a-face. <i>Chaos</i> , 2021, 31, 093101.	2.5	19
143	Rigorous bounds on dynamical response functions and time-translation symmetry breaking. <i>SciPost Physics</i> , 2020, 9, .	4.9	19
144	Absence of Normal Fluctuations in an Integrable Magnet. <i>Physical Review Letters</i> , 2022, 128, 090604.	7.8	19

#	ARTICLE	IF	CITATIONS
145	The quantum mechanics of chaotic billiards. <i>Physica D: Nonlinear Phenomena</i> , 1999, 131, 293-310.	2.8	18
146	Dimer Decimation and Intricately Nested Localized-Ballistic Phases of a Kicked Harper Model. <i>Physical Review Letters</i> , 2001, 87, 066601.	7.8	18
147	Ruelle resonances in kicked quantum spin chain. <i>Physica D: Nonlinear Phenomena</i> , 2004, 187, 244-252.	2.8	18
148	Generation of entanglement in regular systems. <i>Physical Review A</i> , 2005, 71, .	2.5	18
149	Universal and nonuniversal level statistics in a chaotic quantum spin chain. <i>Physical Review E</i> , 2007, 76, 061127.	2.1	18
150	Nonballistic heat conduction in an integrable random-exchange Ising chain studied with quantum master equations. <i>Physical Review B</i> , 2008, 77, .	3.2	18
151	On ergodic and mixing properties of the triangle map. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 395-415.	2.8	18
152	Nonergodicity and localization of invariant measure for two colliding masses. <i>Physical Review E</i> , 2014, 89, 042918.	2.1	18
153	Infinitely Dimensional Lax Structure for the One-Dimensional Hubbard Model. <i>Physical Review Letters</i> , 2015, 114, 127201.	7.8	18
154	Exact asymptotics of the current in boundary-driven dissipative quantum chains in large external fields. <i>Physical Review E</i> , 2015, 91, 030103.	2.1	18
155	Exact Anomalous Current Fluctuations in a Deterministic Interacting Model. <i>Physical Review Letters</i> , 2022, 128, 160601.	7.8	18
156	A new class of completely integrable quantum spin chains. <i>Journal of Physics A</i> , 1998, 31, L397-L403.	1.6	17
157	Quantization of a Billiard Model for Interacting Particles. <i>Physical Review Letters</i> , 2000, 84, 262-265.	7.8	17
158	Spectral statistics of a system with sharply divided phase space. <i>Journal of Physics A</i> , 2002, 35, 2483-2490.	1.6	17
159	A one-dimensional hard-point gas and thermoelectric efficiency. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, L03004.	2.3	17
160	Generic examples of $P < T < \text{symmetric qubit (spin-1/2)}$ Liouvillian dynamics. <i>Physical Review A</i> , 2012, 86, .	2.5	17
161	Railway switch transport model. <i>Physical Review E</i> , 2012, 86, 052102.	2.1	17
162	A class of states supporting diffusive spin dynamics in the isotropic Heisenberg model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 475002.	2.1	17

#	ARTICLE	IF	CITATIONS
163	Quantum surface-of-section method: Demonstration of semiclassical Berry-Robnik energy level-spacing distribution in a generic two-dimensional Hamiltonian system. <i>Journal of Physics A</i> , 1995, 28, L349-L356.	1.6	16
164	Exact statistics of complex zeros for Gaussian random polynomials with real coefficients. <i>Journal of Physics A</i> , 1996, 29, 4417-4423.	1.6	16
165	Detecting entanglement of random states with an entanglement witness. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 13787-13798.	2.1	16
166	Quantum chaos in triangular billiards. <i>Physical Review Research</i> , 2022, 4, .	3.6	16
167	Exact quantum surface of section method. <i>Journal of Physics A</i> , 1994, 27, L709-L714.	1.6	15
168	Exactly solvable model of a highly efficient thermoelectric engine. <i>Physical Review E</i> , 2009, 80, 010102.	2.1	15
169	Eigenvalue Statistics as an Indicator of Integrability of Nonequilibrium Density Operators. <i>Physical Review Letters</i> , 2013, 111, 124101.	7.8	15
170	Matrix product state of multi-time correlations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 335001.	2.1	15
171	Time-dependent correlation functions in open quadratic fermionic systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 123103.	2.3	14
172	Exact solution of the Floquet-PXP cellular automaton. <i>Physical Review E</i> , 2020, 102, 062107.	2.1	14
173	Space-like dynamics in a reversible cellular automaton. <i>SciPost Physics Core</i> , 2020, 2, .	2.8	14
174	Map from one-dimensional quantum field theory to quantum chaos on a two-dimensional torus. <i>Physical Review E</i> , 1999, 60, 1658-1663.	2.1	13
175	Ruelle resonances in quantum many-body dynamics. <i>Journal of Physics A</i> , 2002, 35, L737-L743.	1.6	13
176	Universal Decay of the Classical Loschmidt Echo of Neutrally Stable Mixing Dynamics. <i>Physical Review Letters</i> , 2005, 94, 114101.	7.8	12
177	Inhomogeneous matrix product ansatz and exact steady states of boundary-driven spin chains at large dissipation. <i>Physical Review E</i> , 2020, 101, 042122.	2.1	12
178	Two-species hardcore reversible cellular automaton: matrix ansatz for dynamics and nonequilibrium stationary state. <i>SciPost Physics</i> , 2019, 6, .	4.9	12
179	Parametric statistics of zeros of Husimi representations of quantum chaotic eigenstates and random polynomials. <i>Journal of Physics A</i> , 1996, 29, 5429-5440.	1.6	11
180	General Poissonian model of diffusion in chaotic components. <i>Journal of Physics A</i> , 1998, 31, L345-L353.	1.6	11

#	ARTICLE	IF	CITATIONS
181	Wigner function statistics in classically chaotic systems. <i>Journal of Physics A</i> , 2003, 36, 4015-4034.	1.6	11
182	Microwave control of transport through a chaotic mesoscopic dot. <i>European Physical Journal B</i> , 2005, 46, 515-518.	1.5	11
183	High order non-unitary split-step decomposition of unitary operators. <i>Journal of Physics A</i> , 2006, 39, 5957-5964.	1.6	11
184	Anomalous Slow Fidelity Decay for Symmetry-Breaking Perturbations. <i>Physical Review Letters</i> , 2006, 96, 244105.	7.8	11
185	Loschmidt echoes in two-body random matrix ensembles. <i>Physical Review B</i> , 2007, 76, .	3.2	10
186	The two-body random spin ensemble and a new type of quantum phase transition. <i>New Journal of Physics</i> , 2008, 10, 023020.	2.9	10
187	Classical Loschmidt echo in chaotic many-body systems. <i>Physical Review E</i> , 2005, 72, 025202.	2.1	9
188	One-dimensional hard-point gas as a thermoelectric engine. <i>Physical Review E</i> , 2009, 80, 031136.	2.1	9
189	Computational complexity of nonequilibrium steady states of quantum spin chains. <i>Physical Review A</i> , 2016, 93, .	2.5	9
190	Complexity and nonseparability of classical Liouvillian dynamics. <i>Physical Review E</i> , 2011, 83, 031124.	2.1	8
191	Wigner separability entropy and complexity of quantum dynamics. <i>Physical Review E</i> , 2012, 85, 051129.	2.1	8
192	A Markovian kinetic equation approach to electron transport through a quantum dot coupled to superconducting leads. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 075702.	1.8	8
193	Numerical demonstration of the semiclassical matrix element probability distribution between integrability and chaos. <i>Journal of Physics A</i> , 1994, 27, L569-L577.	1.6	7
194	Heat transport in active harmonic chains. <i>Physical Review E</i> , 2011, 84, 021119.	2.1	7
195	Current in coherent quantum systems connected to mesoscopic Fermi reservoirs. <i>Physica Scripta</i> , 2012, 86, 058501.	2.5	7
196	Thermalization dynamics and spectral statistics of extended systems with thermalizing boundaries. <i>Physical Review B</i> , 2021, 104, .	3.2	7
197	Energy level statistics in the transition regime between integrability and chaos for systems without an anti-unitary symmetry. <i>Journal of Physics A</i> , 1999, 32, 1427-1438.	1.6	6
198	Estimation of purity in terms of correlation functions. <i>Physical Review A</i> , 2003, 67, .	2.5	6

#	ARTICLE	IF	CITATIONS
199	The bends on a quantum waveguide and cross-products of Bessel functions. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 6349-6379.	2.1	6
200	Lindblad master equation approach to superconductivity in open quantum systems. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 462001.	2.1	6
201	Corner transfer matrices for 2D strongly coupled many-body Floquet systems. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 043305.	2.3	6
202	Charge and spin current statistics of the open Hubbard model with weak coupling to the environment. Physical Review E, 2017, 95, 052141.	2.1	6
203	Convergence radius of perturbative Lindblad-driven nonequilibrium steady states. Physical Review E, 2017, 95, 042137.	2.1	6
204	Anisotropic Landau-Lifshitz model in discrete space-time. SciPost Physics, 2021, 11, .	4.9	6
205	Exact spectral statistics in strongly localized circuits. Physical Review B, 2022, 105, .	3.2	6
206	Conducting rod on the axis of a charged ring: The Kelvin water drop generator. American Journal of Physics, 2000, 68, 1084-1089.	0.7	5
207	Random matrix ensembles for semi-separable systems. Europhysics Letters, 2001, 55, 12-18.	2.0	5
208	Integration over matrix spaces with unique invariant measures. Journal of Mathematical Physics, 2002, 43, 5135.	1.1	5
209	Verification of generic fidelity recovery in a dynamical system. Physical Review E, 2006, 73, 066120.	2.1	5
210	Burnett coefficients in quantum many-body systems. Physical Review E, 2013, 87, 050103.	2.1	5
211	Strongly correlated non-equilibrium steady states with currents – quantum and classical picture. European Physical Journal: Special Topics, 2018, 227, 421-444.	2.6	5
212	Undular Diffusion in Nonlinear Sigma Models. Physical Review Letters, 2020, 125, 240607.	7.8	5
213	Conservation laws in the one-dimensional Hubbard model. Physical Review B, 2001, 63, .	3.2	4
214	Few Islands Approximation of Hamiltonian System with divided Phase Space. Experimental Mathematics, 2021, 30, 459-468.	0.7	4
215	Exact solution of the –reversible cellular automaton. Physical Review E, 2022, 105, 034124.	2.1	4
216	Boundary-driven XYZ chain: Inhomogeneous triangular matrix product ansatz. Physical Review B, 2022, 105, .	3.2	4

#	ARTICLE	IF	CITATIONS
217	Decoherence in regular systems. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, 306-311.	1.4	3
218	Note on a canonical form of matrix product states. Journal of Physics A, 2006, 39, L357-L360.	1.6	3
219	Quantum-classical correspondence on compact phase space. Nonlinearity, 2006, 19, 1471-1493.	1.4	3
220	Dynamical approach to chains of scatterers. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 11593-11606.	2.1	3
221	Long-range magnetic response of the $\langle X \rangle \langle Y \rangle$ spin chain under far-from-equilibrium conditions. Physical Review B, 2010, 81, .	3.2	3
222	Time Irreversible Billiards with Piecewise-Straight Trajectories. Physical Review Letters, 2012, 109, 174101.	7.8	3
223	Construction of the steady state density matrix and quasilocal charges for the spin-1/2 XXZ chain with boundary magnetic fields. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 385201.	2.1	3
224	Simulating Lindbladian evolution with non-Abelian symmetries: Ballistic front propagation in the SU(2) Hubbard model with a localized loss. Physical Review B, 2022, 105, .	3.2	3
225	Å and classical-quantum correspondence in the kicked Harper model. Physical Review E, 2002, 65, 047204.	2.1	2
226	Chaotic dephasing in a double-slit scattering experiment. Chaos, 2010, 20, 043118.	2.5	2
227	Third quantization. , 2010, , .		2
228	Nanocoolers. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P10026.	2.3	2
229	Heat transport in quantum harmonic chains with Redfield baths. , 2012, , .		2
230	Quasilocal conservation laws in the quantum Hirota model. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 265203.	2.1	2
231	Ergodic Properties of Quantum Spin Chains: Kicked Transverse Ising Model. , 2001, , 317-322.		2
232	On two reversible cellular automata with two particle species. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 094003.	2.1	2
233	Quantum Surface of Section Method: Decomposition of the Resolvent $(E - \hat{A})^{-1}$. Open Systems and Information Dynamics, 1997, 4, 339-359.	1.2	1
234	Multi-component random model of diffusion in chaotic systems. Journal of Physics A, 1999, 32, 1147-1162.	1.6	1

#	ARTICLE	IF	CITATIONS
235	Many-body symbolic dynamics of a classical oscillator chain. <i>Nonlinearity</i> , 2002, 15, 45-64.	1.4	1
236	Short-time Loschmidt gap in dynamical systems with critical chaos. <i>Physical Review E</i> , 2009, 79, 050107.	2.1	1
237	Particle and energy transport in quantum disordered and quasi-periodic chains connected to mesoscopic Fermi reservoirs. , 2012, , .		1
238	Quantum chaos, dynamical stability and decoherence. <i>Brazilian Journal of Physics</i> , 2005, 35, 233-241.	1.4	1
239	Boundary chaos. <i>Physical Review E</i> , 2022, 106, .	2.1	1
240	Distribution and fluctuation properties of transition probabilities in a system between integrability and chaos. <i>Journal of Physics A</i> , 1993, 26, 5187-5187.	1.6	0
241	Statistical Properties of Transition Amplitudes in Generic Systems. <i>Open Systems and Information Dynamics</i> , 1997, 4, 327-338.	1.2	0
242	Value Statistics of Chaotic Wigner Function. <i>Progress of Theoretical Physics Supplement</i> , 2003, 150, 348-352.	0.1	0
243	Introduction: From Efficient Quantum Computation to Nonextensive Statistical Mechanics. <i>Lecture Notes in Physics</i> , 2004, , 321-326.	0.7	0
244	Nonequilibrium properties of the one-dimensional hard-point gas system. <i>Physical Review E</i> , 2006, 74, 037201.	2.1	0
245	Boundary driven open quantum many-body systems. , 2014, , .		0
246	Decoherence and Loschmidt echoes: quantum against classical. <i>Brazilian Journal of Physics</i> , 2005, 35, .	1.4	0
247	Quantum Chaos. , 2013, , 1-16.		0
248	Quantum Chaos. , 2022, , 561-573.		0