

Gunter M Schätz

List of Publications by Year in descending order

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188
papers

7,420
citations

50276

46
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60623

81
g-index

192
all docs

192
docs citations

192
times ranked

1876
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase transitions in an exactly soluble one-dimensional exclusion process. Journal of Statistical Physics, 1993, 72, 277-296.	1.2	501
2	Phase diagram of one-dimensional driven lattice gases with open boundaries. Journal of Physics A, 1998, 31, 6911-6919.	1.6	322
3	Fluctuation theorems for stochastic dynamics. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P07020-P07020.	2.3	303
4	Real-time dynamics in spin-1/2 chains with adaptive time-dependent density matrix renormalization group. Physical Review E, 2005, 71, 036102.	2.1	226
5	Exactly Solvable Models for Many-Body Systems Far from Equilibrium. Phase Transitions and Critical Phenomena, 2001, 19, 1-251.	1.2	210
6	Exact solution of the master equation for the asymmetric exclusion process. Journal of Statistical Physics, 1997, 88, 427-445.	1.2	203
7	Steady-state selection in driven diffusive systems with open boundaries. Europhysics Letters, 1999, 48, 257-263.	2.0	183
8	Elephants can always remember: Exact long-range memory effects in a non-Markovian random walk. Physical Review E, 2004, 70, 045101.	2.1	181
9	Finite-lattice extrapolation algorithms. Journal of Physics A, 1988, 21, 2617-2633.	1.6	179
10	Condensation in the Zero Range Process: Stationary and Dynamical Properties. Journal of Statistical Physics, 2003, 113, 389-410.	1.2	161
11	Transport in the XX chain at zero temperature: Emergence of flat magnetization profiles. Physical Review E, 1999, 59, 4912-4918.	2.1	157
12	Criterion for Phase Separation in One-Dimensional Driven Systems. Physical Review Letters, 2002, 89, 035702.	7.8	152
13	Localization of shocks in driven diffusive systems without particle number conservation. Physical Review E, 2003, 67, 066117.	2.1	134
14	Generalized Bethe ansatz solution of a one-dimensional asymmetric exclusion process on a ring with blockage. Journal of Statistical Physics, 1993, 71, 471-505.	1.2	132
15	Minimal current phase and universal boundary layers in driven diffusive systems. Physical Review E, 2001, 63, 056110.	2.1	125
16	Critical phenomena and universal dynamics in one-dimensional driven diffusive systems with two species of particles. Journal of Physics A, 2003, 36, R339-R379.	1.6	117
17	Exact Matrix Product Solution for the Boundary-Driven Lindblad $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">X \langle \text{mml:mi} \rangle X \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Chain. Physical Review Letters, 2013, 110, 047201.	7.8	117
18	Non-Abelian symmetries of stochastic processes: Derivation of correlation functions for random-vertex models and disordered-interacting-particle systems. Physical Review E, 1994, 49, 2726-2741.	2.1	107

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19	Asymmetric exclusion process with next-nearest-neighbor interaction: Some comments on traffic flow and a nonequilibrium reentrance transition. <i>Physical Review E</i> , 2000, 62, 83-93.	2.1	99
20	Application of Operator Algebras to Stochastic Dynamics and the Heisenberg Chain. <i>Physical Review Letters</i> , 1995, 75, 140-143.	7.8	92
21	Empirical evidence for a boundary-induced nonequilibrium phase transition. <i>Journal of Physics A</i> , 2001, 34, L45-L52.	1.6	92
22	Current fluctuations in the zero-range process with open boundaries. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2005, 2005, P08003-P08003.	2.3	90
23	Zero-Range Process with Open Boundaries. <i>Journal of Statistical Physics</i> , 2005, 120, 759-778.	1.2	85
24	ASEP on a ring conditioned on enhanced flux. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P10007.	2.3	84
25	Fibonacci family of dynamical universality classes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12645-12650.	7.1	83
26	Time-dependent correlation functions in a one-dimensional asymmetric exclusion process. <i>Physical Review E</i> , 1993, 47, 4265-4277.	2.1	78
27	Shocks and Excitation Dynamics in a Driven Diffusive Two-Channel System. <i>Journal of Statistical Physics</i> , 2003, 112, 523-540.	1.2	77
28	Reaction-diffusion processes of hard-core particles. <i>Journal of Statistical Physics</i> , 1995, 79, 243-264.	1.2	75
29	Current Distribution and Random Matrix Ensembles for an Integrable Asymmetric Fragmentation Process. <i>Journal of Statistical Physics</i> , 2005, 118, 511-530.	1.2	73
30	Duality relations for asymmetric exclusion processes. <i>Journal of Statistical Physics</i> , 1997, 86, 1265-1287.	1.2	70
31	Equivalences between stochastic systems. <i>Journal of Physics A</i> , 1995, 28, 6335-6344.	1.6	66
32	Breakdown of Gallavotti-Cohen symmetry for stochastic dynamics. <i>Europhysics Letters</i> , 2006, 75, 227-233.	2.0	66
33	On U_q [SU(2)]-Symmetric Driven Diffusion. <i>Europhysics Letters</i> , 1994, 26, 7-12.	2.0	65
34	Pairwise balance and invariant measures for generalized exclusion processes. <i>Journal of Physics A</i> , 1996, 29, 837-843.	1.6	61
35	Boundary-induced phase transitions in equilibrium and non-equilibrium systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 206, 187-195.	2.6	57
36	Phase-separation transition in one-dimensional driven models. <i>Physical Review E</i> , 2003, 68, 035101.	2.1	57

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37	Isotropic transverse XY chain with energy and magnetization currents. Physical Review E, 1998, 57, 5184-5189.	2.1	56
38	Relaxation spectrum of the asymmetric exclusion process with open boundaries. Journal of Physics A, 2000, 33, 8351-8363.	1.6	56
39	Microscopic structure of travelling wave solutions in a class of stochastic interacting particle systems. New Journal of Physics, 2003, 5, 145-145.	2.9	56
40	Transition Probabilities and Dynamic Structure Function in the ASEP Conditioned on Strong Flux. Journal of Statistical Physics, 2011, 142, 627-639.	1.2	56
41	Operator Algebra for Stochastic Dynamics and the Heisenberg Chain. Europhysics Letters, 1995, 29, 663-667.	2.0	54
42	Density profiles, dynamics, and condensation in the ZRP conditioned on an atypical current. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P11023.	2.3	54
43	Billiards in a General Domain with Random Reflections. Archive for Rational Mechanics and Analysis, 2009, 191, 497-537.	2.4	51
44	Microscopic Structure of Shocks and Antishocks in the ASEP Conditioned on Low Current. Journal of Statistical Physics, 2013, 152, 93-111.	1.2	51
45	Non-equilibrium relaxation law for entangled polymers. Europhysics Letters, 1999, 48, 623-628.	2.0	49
46	Driven isotropic Heisenberg spin chain with arbitrary boundary twisting angle: Exact results. Physical Review E, 2013, 88, 062118.	2.1	47
47	Central limit theorem and related results for the elephant random walk. Journal of Mathematical Physics, 2017, 58, .	1.1	45
48	The Heisenberg Chain as a Dynamical Model for Protein Synthesis - Some Theoretical and Experimental Results. International Journal of Modern Physics B, 1997, 11, 197-202.	2.0	44
49	Exclusion process for particles of arbitrary extension: hydrodynamic limit and algebraic properties. Journal of Physics A, 2004, 37, 8215-8231.	1.6	44
50	Diffusion-annihilation in the presence of a driving field. Journal of Physics A, 1995, 28, 3405-3415.	1.6	42
51	A Cellular Automaton Model for Two-Lane Traffic. Journal of Statistical Physics, 2001, 103, 945-971.	1.2	41
52	The distribution function of a semiflexible polymer and random walks with constraints. Europhysics Letters, 2002, 60, 546-551.	2.0	41
53	Approach to equilibrium of diffusion in a logarithmic potential. Physical Review E, 2011, 84, 041111.	2.1	39
54	Conformal Invariance in Driven Diffusive Systems at High Currents. Physical Review Letters, 2017, 118, 030601.	7.8	39

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55	Diffusion and Scattering of Shocks in the Partially Asymmetric Simple Exclusion Process. <i>Electronic Journal of Probability</i> , 2002, 7, .	1.0	39
56	Exact Hurst exponent and crossover behavior in a limit order market model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 316, 430-440.	2.6	37
57	Why spontaneous symmetry breaking disappears in a bridge system with PDE-friendly boundaries. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2004, 2004, P12004.	2.3	36
58	Discontinuous Condensation Transition and Nonequivalence of Ensembles in Zero-Range Process. <i>Journal of Statistical Physics</i> , 2008, 132, 77-108.	1.2	36
59	Dynamical origin of spontaneous symmetry breaking in a field-driven nonequilibrium system. <i>Europhysics Letters</i> , 2005, 71, 542-548.	2.0	35
60	Condensation in Temporally Correlated Zero-Range Dynamics. <i>Physical Review Letters</i> , 2009, 103, 090602.	7.8	35
61	On the universality of the fluctuation-dissipation ratio in non-equilibrium critical dynamics. <i>Journal of Physics A</i> , 2004, 37, 591-604.	1.6	32
62	Exact Shock Measures and Steady-State Selection in a Driven Diffusive System with Two Conserved Densities. <i>Journal of Statistical Physics</i> , 2004, 117, 55-76.	1.2	32
63	Shocks in the asymmetric simple exclusion process in a discrete-time update. <i>Journal of Physics A</i> , 2000, 33, 7919-7933.	1.6	31
64	Long-range attraction between probe particles mediated by a driven fluid. <i>Europhysics Letters</i> , 2005, 70, 565-571.	2.0	31
65	Non-Gaussian propagator for elephant random walks. <i>Physical Review E</i> , 2013, 88, 022115.	2.1	31
66	Hysteresis in One-Dimensional Reaction-Diffusion Systems. <i>Physical Review Letters</i> , 2003, 91, 238302.	7.8	29
67	Dynamics of Instantaneous Condensation in the ZRP Conditioned on an Atypical Current. <i>Entropy</i> , 2013, 15, 5065-5083.	2.2	29
68	Global Phase Diagram of a One-Dimensional Driven Lattice Gas. <i>Physical Review Letters</i> , 1999, 82, 10-13.	7.8	28
69	Knudsen Gas in a Finite Random Tube: Transport Diffusion and First Passage Properties. <i>Journal of Statistical Physics</i> , 2010, 140, 948-984.	1.2	28
70	Solution of the Lindblad equation for spin helix states. <i>Physical Review E</i> , 2017, 95, 042128.	2.1	28
71	Shocks in the asymmetric exclusion process with internal degree of freedom. <i>Physical Review E</i> , 2006, 74, 051108.	2.1	27
72	Self-duality for the two-component asymmetric simple exclusion process. <i>Journal of Mathematical Physics</i> , 2015, 56, .	1.1	26

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73	A strong invariance principle for the elephant random walk. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 123207.	2.3	26
74	The spin-1/2 XXZ Heisenberg chain, the quantum algebra $U_q[\mathfrak{sl}(2)]$, and duality transformations for minimal models. <i>Journal of Statistical Physics</i> , 1993, 71, 923-966.	1.2	25
75	Dynamic matrix ansatz for integrable reaction-diffusion processes. <i>European Physical Journal B</i> , 1998, 5, 589-597.	1.5	25
76	Exact time-dependent correlation functions for the symmetric exclusion process with open boundary. <i>Physical Review E</i> , 2001, 64, 036107.	2.1	25
77	Entangling power of permutation-invariant quantum states. <i>Physical Review A</i> , 2005, 72, .	2.5	25
78	Asymmetric simple exclusion process with periodic boundary driving. <i>Physical Review E</i> , 2008, 78, 011122.	2.1	24
79	Diffusion-annihilation dynamics in one spatial dimension. <i>Journal of Chemical Physics</i> , 1996, 105, 2399-2407.	3.0	23
80	A sufficient criterion for integrability of stochastic many-body dynamics and quantum spin chains. <i>Journal of Physics A</i> , 2002, 35, 7187-7204.	1.6	23
81	Rigorous Results on Spontaneous Symmetry Breaking in a One-Dimensional Driven Particle System. <i>Journal of Statistical Physics</i> , 2007, 128, 587-606.	1.2	22
82	Current Symmetries for Particle Systems with Several Conservation Laws. <i>Journal of Statistical Physics</i> , 2011, 145, 1499-1512.	1.2	22
83	Diffusion in a logarithmic potential: scaling and selection in the approach to equilibrium. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P02001.	2.3	22
84	Magnetophoresis of tagged polymers. <i>Europhysics Letters</i> , 1996, 35, 139-144.	2.0	21
85	Instability of condensation in the zero-range process with random interaction. <i>Physical Review E</i> , 2008, 78, 030101.	2.1	21
86	Effective quantum Zeno dynamics in dissipative quantum systems. <i>Physical Review A</i> , 2018, 98, .	2.5	21
87	Diffusion-limited annihilation in inhomogeneous environments. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1997, 104, 583-590.	1.1	20
88	Relaxation and aging in quantum spin systems. <i>Europhysics Letters</i> , 1999, 47, 164-170.	2.0	20
89	Molecular traffic control in single-file networks with fast catalysts. <i>Physical Review E</i> , 2004, 69, 031102.	2.1	20
90	Nonequilibrium correlation functions in the $A+A \rightarrow O$ system with driven diffusion. <i>Physical Review E</i> , 1996, 53, 1475-1478.	2.1	19

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91	Phase transition in the two-component symmetric exclusion process with open boundaries. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P08028-P08028.	2.3	19
92	Quenched invariance principle for the Knudsen stochastic billiard in a random tube. Annals of Probability, 2010, 38, .	1.8	19
93	Superdiffusive Modes in Two-Species Driven Diffusive Systems. Physical Review Letters, 2014, 112, .	7.8	19
94	Exact scaling solution of the mode coupling equations for non-linear fluctuating hydrodynamics in one dimension. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 093211.	2.3	19
95	Phase transitions and correlations in the bosonic pair contact process with diffusion: exact results. Journal of Physics A, 2004, 37, 4709-4722.	1.6	18
96	Molecular traffic control in porous nanoparticles. Applied Catalysis A: General, 2005, 288, 194-202.	4.3	18
97	Phase transitions in a cellular automaton model of a highway on-ramp. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 11221-11243.	2.1	18
98	The robustness of spontaneous symmetry breaking in a bridge model. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 485002.	2.1	18
99	Universality Classes in Two-Component Driven Diffusive Systems. Journal of Statistical Physics, 2015, 160, 835-860.	1.2	18
100	Self-duality and shock dynamics in the n-species priority ASEP. Stochastic Processes and Their Applications, 2018, 128, 1165-1207.	0.9	18
101	RNA polymerase motors: dwell time distribution, velocity and dynamical phases. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P08018.	2.3	17
102	Branching-annihilating random walks in one dimension: some exact results. Journal of Physics A, 1998, 31, 4381-4394.	1.6	15
103	Reaction fronts in stochastic exclusion models with three-site interactions. New Journal of Physics, 2004, 6, 120-120.	2.9	15
104	Molecular traffic control for a cracking reaction. Journal of Catalysis, 2008, 253, 191-199.	6.2	15
105	Quantum Algebra Symmetry of the ASEP with Second-Class Particles. Journal of Statistical Physics, 2015, 161, 821-842.	1.2	15
106	Behavior of magnetic currents in anisotropic Heisenberg spin chains out of equilibrium. Physical Review E, 2012, 85, 031137.	2.1	14
107	Annihilating random walks in one-dimensional disordered media. Physical Review E, 1998, 57, 2563-2567.	2.1	13
108	Hydrodynamics of the Zero-Range Process in the Condensation Regime. Journal of Statistical Physics, 2007, 127, 419-430.	1.2	13

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109	Motion of condensates in non-Markovian zero-range dynamics. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P08014.	2.3	13
110	Charge-current correlation equalities for quantum systems far from equilibrium. <i>SciPost Physics</i> , 2019, 6, .	4.9	13
111	'Duality twisted' boundary conditions in n-state Potts models. <i>Journal of Physics A</i> , 1993, 26, 4555-4563.	1.6	12
112	Amplification of molecular traffic control in catalytic grains with novel channel topology design. <i>Journal of Chemical Physics</i> , 2006, 124, 214701.	3.0	12
113	Antishocks in the ASEP with open boundaries conditioned on low current. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 295004.	2.1	12
114	SCHRÖDINGER INVARIANCE IN DISCRETE STOCHASTIC SYSTEMS. <i>International Journal of Modern Physics B</i> , 1994, 08, 3487-3499.	2.0	11
115	Density matrix renormalization group studies of the effect of constraint release on the viscosity of polymer melts. <i>Physical Review E</i> , 2002, 66, 021806.	2.1	11
116	Exact solution of a stochastic susceptible-infectious-recovered model. <i>Physical Review E</i> , 2008, 78, 061132.	2.1	11
117	Determinant Representation for Some Transition Probabilities in the TASEP with Second Class Particles. <i>Journal of Statistical Physics</i> , 2010, 140, 900-916.	1.2	11
118	Green functions for the TASEP with sublattice parallel update. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P04022.	2.3	11
119	RNA Polymerase interactions and elongation rate. <i>Journal of Theoretical Biology</i> , 2019, 462, 370-380.	1.7	11
120	Operator content of n-state quantum chains in the c=1 region. <i>Journal of Physics A</i> , 1988, 21, 2805-2824.	1.6	10
121	Phase separation in one-dimensional stochastic particle systems?. <i>Bulletin of the Brazilian Mathematical Society</i> , 2006, 37, 523-535.	0.8	10
122	Dynamical scaling for probe particles in a driven fluid. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006, 2006, P11001-P11001.	2.3	10
123	Inhomogeneous reptation of polymers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 235, 440-450.	2.6	9
124	Symmetry effects and equivalences in lattice models of hydrophobic interaction. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 291, 24-38.	2.6	9
125	Exact solution of the Bernoulli matching model of sequence alignment. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008, 2008, P09007.	2.3	9
126	Diffusion of a hydrocarbon mixture in a one-dimensional zeolite channel: An exclusion model approach. <i>Microporous and Mesoporous Materials</i> , 2009, 125, 143-148.	4.4	9

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127	Strong Reactivity Enhancement through Molecular Traffic Control in Zeolites. <i>Chemie-Ingenieur-Technik</i> , 2013, 85, 1671-1679.	0.8	9
128	Kardar-Parisi-Zhang universality of the Nagel-Schreckenberg model. <i>Physical Review E</i> , 2019, 100, 052111.	2.1	9
129	Exact Tracer Diffusion Coefficient in the Asymmetric Random Average Process. <i>Journal of Statistical Physics</i> , 2000, 99, 1045-1049.	1.2	8
130	Aging in two- and three-particle annihilation processes. <i>Physical Review E</i> , 1998, 57, 1388-1394.	2.1	7
131	Short-time behaviour of demand and price viewed through an exactly solvable model for heterogeneous interacting market agents. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4126-4144.	2.6	7
132	Generalized Green Functions and Current Correlations in the TASEP. <i>Journal of Statistical Physics</i> , 2011, 142, 754-791.	1.2	7
133	Dynamical Theory of Steady State Selection in Open Driven Diffusive Systems. , 2000, , 227-232.		7
134	Diffusion of Particles on Lattices. , 2005, , 745-792.		6
135	Slip of grip of a molecular motor on a crowded track: Modeling shift of reading frame of ribosome on RNA template. <i>Europhysics Letters</i> , 2016, 114, 68005.	2.0	6
136	Scaling limits for the exclusion process with a slow site. <i>Stochastic Processes and Their Applications</i> , 2016, 126, 800-831.	0.9	6
137	Stochastic thermodynamics and modes of operation of a ribosome: A network theoretic perspective. <i>Physical Review E</i> , 2020, 101, 032402.	2.1	6
138	Berry's phase in a one-dimensional quantum many-body system. <i>Physical Review E</i> , 1994, 49, 2461-2464.	2.1	5
139	Large deviation functions in a system of diffusing particles with creation and annihilation. <i>Physical Review E</i> , 2011, 84, 021131.	2.1	5
140	Cellular automaton model for molecular traffic jams. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P07007.	2.3	5
141	Unusual shock wave in two-species driven systems with an umbilic point. <i>Physical Review E</i> , 2012, 86, 031139.	2.1	5
142	Emergent motion of condensates in mass-transport models. <i>Physical Review E</i> , 2013, 87, 052116.	2.1	5
143	N=1 superconformal invariance in the six-state quantum chain with free boundary conditions. <i>Journal of Physics A</i> , 1987, 20, L905-L910.	1.6	4
144	Finite-size scaling spectra in the six-states quantum chains. <i>Journal of Physics A</i> , 1989, 22, 731-750.	1.6	4

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145	Estimation of the central charge by Monte Carlo simulations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 256, 491-496.	4.1	4
146	Reaction-controlled diffusion. Physical Review E, 2000, 62, 6071-6077.	2.1	4
147	Duality Relations for the Periodic ASEP Conditioned on a Low Current. Springer Proceedings in Mathematics and Statistics, 2016, , 323-350.	0.2	4
148	Large fluctuations of radiation in stochastically activated two-level systems. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 455203.	2.1	4
149	Stationary RNA polymerase fluctuations during transcription elongation. Physical Review E, 2019, 99, 012405.	2.1	4
150	On the phase transition in the sublattice TASEP with stochastic blockage. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 425004.	2.1	4
151	Higher symmetries in the spin-one Zamolodchikov-Fateev hamiltonian with a finite number of sites and toroidal boundary conditions. Spectra and operator content of $N = 1$ superconformal systems. Nuclear Physics B, 1992, 370, 551-576.	2.5	3
152	Nonequilibrium dynamics of finite interfaces. Physical Review Letters, 1994, 72, 3266-3269.	7.8	3
153	Generalized scaling relations for unidirectionally coupled nonequilibrium systems. Physica A: Statistical Mechanics and Its Applications, 2004, 341, 136-144.	2.6	3
154	Microscopic position and structure of a shock in CA 184. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 445003.	2.1	3
155	Strong Molecular Traffic Control Effect in TNU-9 Zeolite Channel Topology. Journal of Physical Chemistry B, 2011, 115, 15289-15294.	2.6	3
156	Loss of Ergodicity in the Transition from Annealed to Quenched Disorder in a Finite Kinetic Ising Model. Journal of Statistical Physics, 2011, 142, 984-999.	1.2	3
157	Localization for a Random Walk in Slowly Decreasing Random Potential. Journal of Statistical Physics, 2013, 150, 285-298.	1.2	3
158	Kardar-Parisi-Zhang modes in d -dimensional directed polymers. Physical Review E, 2017, 96, 032119.	2.1	3
159	Conformal invariance in conditioned stochastic particle systems. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 314002.	2.1	3
160	Duality, supersymmetry and non-conservative random walks. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 054004.	2.3	3
161	Duality from integrability: annihilating random walks with pair deposition. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 355003.	2.1	3
162	Diffusion on Fractals. , 2005, , 793-811.		3

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163	Conditioned Stochastic Particle Systems and Integrable Quantum Spin Systems. Springer Proceedings in Mathematics and Statistics, 2015, , 371-393.	0.2	3
164	Transition between dissipatively stabilized helical states. Physical Review Research, 2020, 2, .	3.6	3
165	Nonequilibrium tube length fluctuations of entangled polymers. Journal of Chemical Physics, 2001, 114, 8737-8740.	3.0	2
166	Absorbing phase transitions of unidirectionally coupled nonequilibrium systems. Physical Review E, 2005, 71, 046122.	2.1	2
167	Mean bubble formation time in DNA denaturation. Europhysics Letters, 2011, 96, 68003.	2.0	2
168	Large Fluctuations in Two-Level Systems With Stimulated Emission. Theoretical and Mathematical Physics(Russian Federation), 2019, 198, 118-128.	0.9	2
169	On the Fibonacci Universality Classes in Nonlinear Fluctuating Hydrodynamics. Springer Proceedings in Mathematics and Statistics, 2018, , 149-167.	0.2	2
170	A new approach to the calculation of the central charge. Journal of Physics A, 1992, 25, 2161-2180.	1.6	1
171	Gustavâ€Hertzâ€Preis: Phasenübergänge in offenen Vielteilchensystemen fern vom Gleichgewicht: Das Zusammenspiel von Stoßwellen und Dichtefluktuationen führt zu randinduzierten Phasenübergängen erster und zweiter Ordnung. Physik Journal, 2000, 56, 69-73.	0.1	1
172	Diffusion in a generalized Rubinstein-Duke model of electrophoresis with kinematic disorder. Physical Review E, 2003, 67, 061806.	2.1	1
173	The importance of boundary effects in diffusion of hydrocarbon molecules in a one-dimensional zeolite channel. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P01017.	2.3	1
174	Fluctuations in Stochastic Interacting Particle Systems. Springer Proceedings in Mathematics and Statistics, 2019, , 67-134.	0.2	1
175	Exact Results for the Isotropic Spin-1/2 Heisenberg Chain With Dissipative Boundary Driving. Theoretical and Mathematical Physics(Russian Federation), 2019, 198, 296-315.	0.9	1
176	On the stationary frequency of programmed ribosomal ± 1 frameshift. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 043502.	2.3	1
177	Molecular motor traffic with a slow binding site. Journal of Theoretical Biology, 2021, 518, 110644.	1.7	1
178	The Space-Time Structure of Extreme Current and Activity Events in the ASEP. Springer Proceedings in Physics, 2015, , 13-28.	0.2	1
179	An Exactly Solvable Lattice Model for Inhomogeneous Interface Growth. Journal De Physique, I, 1996, 6, 1405-1410.	1.2	1
180	Reaction-diffusion mechanisms and quantum spin systems. , 1998, , 78-102.		0

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181	Mini-Workshop: Particle Systems with Several Conservation Laws: Fluctuations and Hydrodynamic Limit. Oberwolfach Reports, 2006, 2, 1199-1230.	0.0	0
182	Charge-Current Correlation Identities for Stochastic Interacting Particle Systems. Springer Proceedings in Mathematics and Statistics, 2021, , 321-333.	0.2	0
183	A lattice Gas Model for Generic One-Dimensional Hamiltonian Systems. Journal of Statistical Physics, 2021, 183, 1.	1.2	0
184	Defect-induced anticorrelations in molecular motor traffic. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 255601.	2.1	0
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