

# Malte Henkel

## List of Publications by Year in descending order

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110  
papers

2,995  
citations

186265

28  
h-index

189892

50  
g-index

111  
all docs

111  
docs citations

111  
times ranked

943  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-equilibrium dynamics of the open quantum $O(n)$ -model with non-Markovian noise: exact results. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 103105.	2.3	3
2	Aging and equilibration in bistable contagion dynamics. <i>Physical Review E</i> , 2020, 102, 042308.	2.1	2
3	Aging in the Long-Range Ising Model. <i>Physical Review Letters</i> , 2020, 125, 180601.	7.8	19
4	Meta-conformal Invariance and Their Covariant Correlation Functions. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 65-81.	0.2	0
5	Meta-conformal Invariance in the Directed Glauber-Ising Chain. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 463-471.	0.2	2
6	Boundedness of meta-conformal two-point functions in one and two spatial dimensions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 475001.	2.1	2
7	Infinite-dimensional meta-conformal Lie algebras in one and two spatial dimensions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 084009.	2.3	6
8	Axiomatic construction of quantum Langevin equations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 053101.	2.3	7
9	Dynamical universality of the contact process. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 125003.	2.1	7
10	Lindblad dynamics of the quantum spherical model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 013103.	2.3	11
11	On integral representations and asymptotics of some hypergeometric functions in two variables. <i>Integral Transforms and Special Functions</i> , 2018, 29, 95-112.	1.2	7
12	Crossover between diffusion-limited and reaction-limited regimes in the coagulation-diffusion process. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 425002.	2.1	2
13	Infinite-Dimensional Metaconformal Symmetries: 1D Diffusion-Limited Erosion and Ballistic Transport in $(1+2)$ Dimensions. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018, , 113-135.	0.2	2
14	From dynamical scaling to local scale-invariance: a tutorial. <i>European Physical Journal: Special Topics</i> , 2017, 226, 605-625.	2.6	13
15	Exactly solvable models of growing interfaces and lattice gases: the Arcetri models, ageing and logarithmic sub-ageing. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 123206.	2.3	4
16	Non-Local Meta-Conformal Invariance, Diffusion-Limited Erosion and the XXZ Chain. <i>Symmetry</i> , 2017, 9, 2.	2.2	8
17	Non-local meta-conformal invariance in diffusion-limited erosion. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 49LT02.	2.1	3
18	An alternative order-parameter for non-equilibrium generalized spin models on honeycomb lattices. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 165002.	2.1	0

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19	Meta-conformal invariance and the boundedness of two-point correlation functions. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 47LT01.	2.1	8
20	Antiferromagnetic majority voter model on square and honeycomb lattices. Physica A: Statistical Mechanics and Its Applications, 2016, 444, 897-904.	2.6	6
21	Lindblad dynamics of a quantum spherical spin. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 125001.	2.1	13
22	Kinetics of Interface Growth: Physical Ageing and Dynamical Symmetries. Springer Proceedings in Mathematics and Statistics, 2016, , 53-65.	0.2	0
23	Conformal Invariance of the 1D Collisionless Boltzmann Equation. Springer Proceedings in Mathematics and Statistics, 2016, , 453-463.	0.2	0
24	Quantum phase transition in the spin-anisotropic quantum spherical model. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P07006.	2.3	20
25	From Conformal Invariance towards Dynamical Symmetries of the Collisionless Boltzmann Equation. Symmetry, 2015, 7, 1595-1612.	2.2	13
26	Dynamical Symmetries and Causality in Non-Equilibrium Phase Transitions. Symmetry, 2015, 7, 2108-2133.	2.2	15
27	Spherical model of growing interfaces. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P05022.	2.3	17
28	The statistical mechanics of the coagulation-diffusion process with a stochastic reset. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 045002.	2.1	93
29	Logarithmic exotic conformal Galilean algebras. Nuclear Physics B, 2014, 879, 292-317.	2.5	9
30	Boundary crossover in semi-infinite non-equilibrium growth processes. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P02018.	2.3	1
31	Causality from Dynamical Symmetry: An Example from Local Scale-Invariance. Springer Proceedings in Mathematics and Statistics, 2014, , 511-531.	0.2	4
32	Physical Ageing and New Representations of Some Lie Algebras of Local Scale-Invariance. Springer Proceedings in Mathematics and Statistics, 2014, , 33-50.	0.2	3
33	On logarithmic extensions of local scale-invariance. Nuclear Physics B, 2013, 869, 282-302.	2.5	16
34	Logarithmic correlators or responses in non-relativistic analogues of conformal invariance. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 494004.	2.1	7
35	Non-local representations of the ageing algebra in higher dimensions. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 245004.	2.1	9
36	Non-Local Space-Time Transformations Generated from the Ageing Algebra. Springer Proceedings in Mathematics and Statistics, 2013, , 369-379.	0.2	1

#	ARTICLE	IF	CITATIONS
37	THE POINCARÉ ALGEBRA IN THE CONTEXT OF AGEING SYSTEMS: LIE STRUCTURE, REPRESENTATIONS, APPELL SYSTEMS AND COHERENT STATES. <i>Confluentes Mathematici</i> , 2012, 04, 1250006.	0.2	23
38	Exact correlation functions in particle-reaction models with immobile particles. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P11006.	2.3	2
39	Phenomenology of aging in the Kardar-Parisi-Zhang equation. <i>Physical Review E</i> , 2012, 85, 030102.	2.1	41
40	A Short Introduction to Conformal Invariance. <i>Lecture Notes in Physics</i> , 2012, , 1-49.	0.7	1
41	On non-local representations of the ageing algebra. <i>Nuclear Physics B</i> , 2011, 847, 612-627.	2.5	15
42	Exact two-time correlation and response functions in the one-dimensional coagulation-diffusion process by the empty-interval method. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P02030.	2.3	12
43	The exotic conformal Galilei algebra and nonlinear partial differential equations. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 369, 120-132.	1.0	34
44	Exact correlations in the one-dimensional coagulation-diffusion process investigated by the empty-interval method. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P04002.	2.3	10
45	Non-Equilibrium Phase Transitions. <i>Theoretical and Mathematical Physics (United States)</i> , 2010, , .	0.0	232
46	Fenômenos crônicos: 150 anos desde Cagniard de la Tour. <i>Revista Brasileira De Ensino De Fisica</i> , 2009, 31, 2602.1-2602.4.	0.2	9
47	Non-Markovian global persistence in phase ordering kinetics. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P12012.	2.3	4
48	Ageing in bosonic particle-reaction models with long-range transport. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 395004.	2.1	10
49	Kinetics of a non-Glauberian Ising model: global observables and exact results. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P03023.	2.3	3
50	Critical phenomena: 150 years since Cagniard de la Tour. <i>Journal of Physical Studies</i> , 2009, 13, .	0.5	43
51	Superuniversality in phase-ordering disordered ferromagnets. <i>Physical Review B</i> , 2008, 78, .	3.2	33
52	Local Scale-Invariance in Disordered Systems. , 2008, , 107-146.		4
53	Kinetics of phase separation in the critical spherical model and local scale invariance. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007, 2007, P01012-P01012.	2.3	6
54	Ageing, dynamical scaling and its extensions in many-particle systems without detailed balance. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 065101.	1.8	18

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55	Kinetics of the long-range spherical model. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 7389-7409.	2.1	19
56	Autocorrelation functions in phase-ordering kinetics from local scale invariance. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P07015-P07015.	2.3	8
57	ON THE DYNAMICAL SYMMETRIC ALGEBRA OF AGEING: LIE STRUCTURE, REPRESENTATIONS AND APPELL SYSTEMS. , 2007, , .		2
58	Statistical Physics of Ageing Phenomena and the Glass Transition. Journal of Physics: Conference Series, 2006, 40, .	0.4	1
59	Supersymmetric extensions of Schrödinger-invariance. Nuclear Physics B, 2006, 746, 155-201.	2.5	50
60	On the identification of quasiprimary scaling operators in local scale-invariance. Journal of Physics A, 2006, 39, L589-L598.	1.6	32
61	Local scale invariances in the bosonic contact and pair-contact processes. Journal of Physics A, 2006, 39, 4095-4118.	1.6	20
62	Lie symmetries of semi-linear Schrödinger equations and applications. Journal of Physics: Conference Series, 2006, 40, 144-149.	0.4	3
63	On the scaling and ageing behaviour of the alternating susceptibility in spin glasses and local scale invariance. Journal of Physics Condensed Matter, 2005, 17, S1899-S1913.	1.8	10
64	Ageing without detailed balance in the bosonic contact and pair-contact processes: exact results. Journal of Physics A, 2005, 38, 6623-6640.	1.6	20
65	Phase-ordering kinetics: ageing and local scale-invariance. AIP Conference Proceedings, 2005, , .	0.4	3
66	Reply to "Comment on "Scaling of the linear response in simple aging systems without disorder"" Physical Review E, 2005, 72, .	2.1	7
67	Dynamical symmetries of semi-linear Schrödinger and diffusion equations. Nuclear Physics B, 2005, 723, 205-233.	2.5	24
68	Local Scale Invariance in Ageing Phenomena. Advances in Solid State Physics, 2004, , 389-400.	0.8	13
69	Ageing phenomena without detailed balance: the contact process. Journal of Physics A, 2004, 37, 10479-10495.	1.6	32
70	Ageing in the critical contact process: a Monte Carlo study. Journal of Physics A, 2004, 37, 10497-10512.	1.6	27
71	The non-equilibrium phase transition of the pair-contact process with diffusion. Journal of Physics A, 2004, 37, R117-R159.	1.6	72
72	On the universality of the fluctuation-dissipation ratio in non-equilibrium critical dynamics. Journal of Physics A, 2004, 37, 591-604.	1.6	32

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73	Scaling of the linear response in simple aging systems without disorder. <i>Physical Review E</i> , 2004, 69, 056109.	2.1	40
74	AGEING, DYNAMICAL SCALING AND CONFORMAL INVARIANCE. <i>International Journal of Modern Physics A</i> , 2004, 19, 2207-2215.	1.5	2
75	On non-linear partial differential equations with an infinite-dimensional conditional symmetry. <i>Journal of Mathematical Analysis and Applications</i> , 2004, 298, 487-500.	1.0	19
76	Local scale-invariance and ageing in noisy systems. <i>Nuclear Physics B</i> , 2004, 688, 217-265.	2.5	70
77	Schrödinger invariance and spacetime symmetries. <i>Nuclear Physics B</i> , 2003, 660, 407-435.	2.5	127
78	Local scale invariance as dynamical space-time symmetry in phase-ordering kinetics. <i>Physical Review E</i> , 2003, 68, 065101.	2.1	43
79	The kinetic spherical model in a magnetic field. <i>Journal of Physics A</i> , 2003, 36, 8983-9008.	1.6	14
80	Competition between dynamic and thermal relaxation in non-equilibrium critical spin systems above the critical point. <i>Journal of Physics A</i> , 2003, 36, 1249-1265.	1.6	5
81	Response of non-equilibrium systems with long-range initial correlations. <i>Journal of Physics A</i> , 2002, 35, 5575-5590.	1.6	61
82	Phenomenology of local scale invariance: from conformal invariance to dynamical scaling. <i>Nuclear Physics B</i> , 2002, 641, 405-486.	2.5	156
83	Anisotropic scaling and generalized conformal invariance at Lifshitz points. <i>Computer Physics Communications</i> , 2002, 147, 419-422.	7.5	7
84	Universal finite-size scaling amplitudes in anisotropic scaling. <i>Journal of Physics A</i> , 2001, 34, 3333-3350.	1.6	30
85	Aging, Phase Ordering, and Conformal Invariance. <i>Physical Review Letters</i> , 2001, 87, 265701.	7.8	92
86	Anisotropic Scaling and Generalized Conformal Invariance at Lifshitz Points. <i>Physical Review Letters</i> , 2001, 87, 125702.	7.8	44
87	Exact solution of a reaction-diffusion process with three-site interactions. <i>Journal of Physics A</i> , 2001, 34, 1561-1568.	1.6	46
88	Critical properties of the reaction-diffusion model $2A \rightarrow 3A, 2A \rightarrow 0$ . <i>Physical Review E</i> , 2001, 63, 036101.	2.1	81
89	Conformal Invariance and Critical Phenomena. , 1999, , .		243
90	Lattice two-point functions and conformal invariance. <i>Journal of Physics A</i> , 1998, 31, 2503-2507.	1.6	5

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91	Finite-size effects in layered magnetic systems. <i>Physical Review B</i> , 1997, 55, 6429-6439.	3.2	18
92	Local Scale Invariance and Strongly Anisotropic Equilibrium Critical Systems. <i>Physical Review Letters</i> , 1997, 78, 1940-1943.	7.8	99
93	Reaction-Diffusion Processes from Equivalent Integrable Quantum Chains. <i>Annals of Physics</i> , 1997, 259, 163-231.	2.8	80
94	Phase diagram of branched polymer collapse. <i>Physical Review E</i> , 1996, 53, 3662-3672.	2.1	21
95	Finite-size scaling and universality in the spin-1 quantum XY chain. <i>Journal of Physics A</i> , 1996, 29, 1359-1365.	1.6	5
96	Domain walls in the quantum transverse Ising model. <i>Physical Review B</i> , 1995, 52, 4371-4388.	3.2	6
97	SCHRÖDINGER INVARIANCE IN DISCRETE STOCHASTIC SYSTEMS. , 1995, , 39-51.		0
98	SCHRÖDINGER INVARIANCE IN DISCRETE STOCHASTIC SYSTEMS. <i>International Journal of Modern Physics B</i> , 1994, 08, 3487-3499.	2.0	11
99	Schrödinger invariance and strongly anisotropic critical systems. <i>Journal of Statistical Physics</i> , 1994, 75, 1023-1061.	1.2	240
100	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
101	Exact correlation function at the Lifshitz points of the spherical model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993, 195, 577-602.	2.6	21
102	Intermittency studies in directed bond percolation. <i>Nuclear Physics B</i> , 1993, 390, 637-652.	2.5	6
103	ON THE TWO-POINT CORRELATION FUNCTION IN DYNAMICAL SCALING AND SCHRÖDINGER INVARIANCE. <i>International Journal of Modern Physics C</i> , 1992, 03, 1011-1017.	1.7	12
104	Mass spectrum of the 2D Ashkin-Teller model in an external magnetic field. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 249, 463-466.	4.1	5
105	Mass spectrum of the two-dimensional tricritical Ising model in an external magnetic field. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 247, 567-570.	4.1	6
106	New mechanism for mass gap scaling and transfer-matrix study for (1+1)D directed percolation. <i>Physical Review Letters</i> , 1990, 65, 1777-1780.	7.8	13
107	Integrable chiral Zn quantum chains and a new class of trigonometric sums. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1989, 138, 105-109.	2.1	19
108	The Ising quantum chain with defects (I). The exact solution. <i>Nuclear Physics B</i> , 1989, 314, 609-624.	2.5	50

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109	CONFORMAL ALGEBRAS AND DEFECTS IN THE QUANTUM ISING CHAIN. , 1989, , 127-145.		0
110	Critical exponents of defective Ising models and the U(1) Kac-Moody-Virasoro algebras. Nuclear Physics B, 1987, 285, 29-44.	2.5	33