MÃ¡rton Kormos

List of Publications by Year
in descending order

46 papers	1,910 citations	293460 24 h-index	274796 44 g-index
46 all docs	46 docs citations	46 times ranked	812 citing authors

#	Article	IF	Citations
1	Quenches and confinement in a Heisenberg–Ising spin ladder. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 124003.	0.7	5
2	Inhomogeneous quantum quenches in the sine-Gordon theory. SciPost Physics, 2022, 12, .	1.5	12
3	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, .	1.1	3
4	Cascade of singularities in the spin dynamics of a perturbed quantum critical Ising chain. Physical Review B, 2021, 103, .	1.1	8
5	E_8 Spectra of Quasi-One-Dimensional Antiferromagnet $BaCo_2V_2O_8$. Physical Review Letters, 2021, 127, 077201.	2.9	22
6	False vacuum decay in quantum spin chains. Physical Review B, 2021, 104, .	1.1	26
7	Confinement in the spectrum of a Heisenberg–Ising spin ladder. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 093106.	0.9	12
8	Kibble–Zurek mechanism in the Ising Field Theory. SciPost Physics, 2020, 9, .	1.5	17
9	Theory of quantum work in metallic grains. Physical Review Research, 2020, 2, .	1.3	4
10	Nonequilibrium time evolution and rephasing in the quantum sine-Gordon model. Physical Review A, 2019, 100, .	1.0	31
11	Transport in the sine-Gordon field theory: From generalized hydrodynamics to semiclassics. Physical Review B, 2019, 100, .	1.1	36
12	Spin fluctuations after quantum quenches in the S=1 Haldane chain: Numerical validation of the semi-semiclassical theory. Physical Review B, 2019, 100, .	1.1	5
13	Perturbative post-quench overlaps in quantum field theory. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
14	Quantum quench in a harmonically trapped one-dimensional Bose gas. Physical Review A, 2018, 97, .	1.0	24
15	Dynamical manifestation of the Gibbs paradox after a quantum quench. Physical Review A, 2018, 98, .	1.0	18
16	Overlap singularity and time evolution in integrable quantum field theory. Journal of High Energy Physics, 2018, 2018, 1.	1.6	19
17	Semiclassical theory of front propagation and front equilibration following an inhomogeneous quantum quench. Physical Review E, 2018, 98, .	0.8	12
18	Quench dynamics of the Ising field theory in a magnetic field. SciPost Physics, 2018, 5, .	1.5	33

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19	Temperature driven quenches in the Ising model: appearance of negative RÃ©nyi mutual information. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 264005.	0.7	24
20	Hybrid Semiclassical Theory of Quantum Quenches in One-Dimensional Systems. Physical Review Letters, 2017, 119, 100603.	2.9	47
21	Real-time confinement following a quantum quench to a non-integrable model. Nature Physics, 2017, 13, 246-249.	6.5	205
22	Inhomogeneous quenches in the transverse field Ising chain: scaling and front dynamics. SciPost Physics, 2017, 3, .	1.5	58
23	Quantum quenches in the sine-Gordon model: A semiclassical approach. Physical Review E, 2016, 93, 062101.	0.8	37
24	Hamiltonian truncation approach to quenches in the Ising field theory. Nuclear Physics B, 2016, 911, 805-845.	0.9	59
25	Finite-Temperature Spin Dynamics in a Perturbed Quantum Critical Ising Chain with an E_8 Symmetry. Physical Review Letters, 2014, 113, 247201.	2.9	22
26	Quantum quenches from excited states in the Ising chain. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 175002.	0.7	74
27	Interaction quench in a trapped 1D Bose gas. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P11016.	0.9	41
28	Analytic results for a quantum quench from free to hard-core one-dimensional bosons. Physical Review A, 2014, 89, .	1.0	127
29	From the sine-Gordon field theory to the Kardar-Parisi-Zhang growth equation. Europhysics Letters, 2014, 107, 10011.	0.7	25
30	Stationary entanglement entropies following an interaction quench in 1D Bose gas. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P01009.	0.9	56
31	Stationary entropies after a quench from excited states in the Ising chain. Europhysics Letters, 2014, 107, 40002.	0.7	38
32	Correlations after Quantum Quenches in the XXZ Spin Chain: Failure of the Generalized Gibbs Ensemble. Physical Review Letters, 2014, 113, 117203.	2.9	245
33	Interaction quenches in the one-dimensional Bose gas. Physical Review B, 2013, 88, .	1.1	105
34	On form factors in nested Bethe Ansatz systems. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 465007.	0.7	28
35	Local correlations in the super-Tonks-Girardeau gas. Physical Review A, 2011, 83, .	1.0	40
36	Exact Three-Body Local Correlations for Excited States of the 1D Bose Gas. Physical Review Letters, 2011, 107, 230405.	2.9	55

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37	One-point functions in massive integrable QFT with boundaries. Journal of High Energy Physics, 2010, 2010, 1.	1.6	27
38	One-dimensional Lieb-Liniger Bose gas as nonrelativistic limit of the sinh-Gordon model. Physical Review A, 2010, 81, .	1.0	72
39	Relativistic Bose–Einstein condensates: a new system for analogue models of gravity. New Journal of Physics, 2010, 12, 095012.	1.2	77
40	Bethe ansatz matrix elements as non-relativistic limits of form factors of quantum field theory. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P05014.	0.9	18
41	Expectation Values in the Lieb-Liniger Bose Gas. Physical Review Letters, 2009, 103, 210404.	2.9	76
42	Defect flows in minimal models. Journal of High Energy Physics, 2009, 2009, 057-057.	1.6	15
43	Boundary form factors in finite volume. Nuclear Physics B, 2008, 803, 277-298.	0.9	17
44	Boundary renormalisation group flows of the supersymmetric Lee–Yang model and its extensions. Nuclear Physics B, 2007, 772, 227-248.	0.9	5
45	Boundary renormalisation group flows of unitary superconformal minimal models. Nuclear Physics B, 2006, 744, 358-379.	0.9	8
46	Some semi-classical issues in the boundary sine-Gordon model. Journal of Physics A, 2002, 35, 5471-5488.	1.6	8