

Non-local propagation of correlations in quantum systems

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Quantum correlations and entanglement in far-from-equilibrium spin systems. Physical Review A, 2014, 90, .	1.0	77
2	Dynamics of correlations in a quasi-two-dimensional dipolar Bose gas following a quantum quench. Physical Review A, 2014, 90, .	1.0	13
3	“Light-Cone” Dynamics After Quantum Quenches in Spin Chains. Physical Review Letters, 2014, 113, 187203.	2.9	161
4	Optimal quench for distance-independent entanglement and maximal block entropy. Physical Review A, 2014, 90, .	1.0	11
5	Intrinsic anharmonic effects on the phonon frequencies and effective spin-spin interactions in a quantum simulator made from trapped ions in a linear Paul trap. Physical Review A, 2014, 90, .	1.0	3
6	Dissipative phase transitions: Independent versus collective decay and spin squeezing. Physical Review A, 2014, 90, .	1.0	29
7	Heralded Magnetism in Non-Hermitian Atomic Systems. Physical Review X, 2014, 4, .	2.8	157
8	Entanglement dynamics in short- and long-range harmonic oscillators. Physical Review B, 2014, 90, .	1.1	60
9	Entanglement and Spin Squeezing in Non-Hermitian Phase Transitions. Physical Review Letters, 2014, 113, 250401.	2.9	116
10	Observing a quantum phase transition by measuring a single spin. Europhysics Letters, 2014, 107, 40005.	0.7	20
11	Kitaev Chains with Long-Range Pairing. Physical Review Letters, 2014, 113, 156402.	2.9	164
12	At full tilt. Nature Physics, 2014, 10, 553-553.	6.5	0
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14	Quasiparticle engineering and entanglement propagation in a quantum many-body system. Nature, 2014, 511, 202-205.	13.7	656
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17	Perfect wave-packet splitting and reconstruction in a one-dimensional lattice. Physical Review A, 2015, 91, .	1.0	25
18	Imaging the dipole-dipole energy exchange between ultracold rubidium Rydberg atoms. Physical Review A, 2015, 91, .	1.0	12

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20	Simulating the Haldane phase in trapped-ion spins using optical fields. <i>Physical Review A</i> , 2015, 92, .	1.0	24
21	Quench dynamics of dipolar fermions in a one-dimensional harmonic trap. <i>Physical Review A</i> , 2015, 92, .	1.0	7
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23	Structure of eigenstates and quench dynamics at an excited-state quantum phase transition. <i>Physical Review A</i> , 2015, 92, .	1.0	61
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25	Disorder-driven transition in a chain with power-law hopping. <i>Physical Review B</i> , 2015, 92, .	1.1	24
26	Many-body localization and quantum ergodicity in disordered long-range Ising models. <i>Physical Review B</i> , 2015, 92, .	1.1	56
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29	Spectroscopy of Interacting Quasiparticles in Trapped Ions. <i>Physical Review Letters</i> , 2015, 115, 100501.	2.9	60
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33	Scaling and Universality at Dynamical Quantum Phase Transitions. <i>Physical Review Letters</i> , 2015, 115, 140602.	2.9	163
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36	Probing entanglement in adiabatic quantum optimization with trapped ions. <i>Frontiers in Physics</i> , 2015, 3, .	1.0	24

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38	Far-from-Equilibrium Field Theory of Many-Body Quantum Spin Systems: Prethermalization and Relaxation of Spin Spiral States in Three Dimensions. <i>Physical Review X</i> , 2015, 5, .	2.8	72
39	Surface traps for freely rotating ion ring crystals. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 205002.	0.6	9
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74	Time evolution during and after finite-time quantum quenches in Luttinger liquids. <i>Physical Review B</i> , 2016, 94, .	1.1	9
75	Minimally complex ion traps as modules for quantum communication and computing. <i>New Journal of Physics</i> , 2016, 18, 103028.	1.2	39
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100	Implementation of chiral quantum optics with Rydberg and trapped-ion setups. <i>Physical Review A</i> , 2016, 93, .	1.0	35
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164	Propagation and jamming dynamics in Heisenberg spin ladders. <i>Physical Review B</i> , 2017, 95, .	1.1	5
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177	Universal Critical Behaviours in Non-Hermitian Phase Transitions. <i>Scientific Reports</i> , 2017, 7, 7165.	1.6	20
178	Entanglement Area Laws for Long-Range Interacting Systems. <i>Physical Review Letters</i> , 2017, 119, 050501.	2.9	49
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182	Non-thermalization in trapped atomic ion spin chains. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20170107.	1.6	29
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