

# From quantum chaos and eigenstate thermalization to thermodynamics

Advances in Physics

65, 239-362

DOI: [10.1080/00018732.2016.1198134](https://doi.org/10.1080/00018732.2016.1198134)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Many-body localization beyond eigenstates in all dimensions. <i>Physical Review B</i> , 2016, 94, .	1.1	60
2	The eigenstate thermalization hypothesis in constrained Hilbert spaces: A case study in non-Abelian anyon chains. <i>Physical Review B</i> , 2016, 94, .	1.1	33
3	Entanglement generation in periodically driven integrable systems: Dynamical phase transitions and steady state. <i>Physical Review B</i> , 2016, 94, .	1.1	55
4	Finite size scaling for the many-body-localization transition: finite-size-pseudo-critical points of individual eigenstates. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 123303.	0.9	3
5	Many-body delocalization with random vector potentials. <i>Physical Review A</i> , 2016, 94, .	1.0	6
6	Stability of quantum statistical ensembles with respect to local measurements. <i>Physical Review E</i> , 2016, 94, 062106.	0.8	6
7	Quantum signature of chaos and thermalization in the kicked Dicke model. <i>Physical Review E</i> , 2016, 94, 032103.	0.8	19
8	Exact steady states for quantum quenches in integrable Heisenberg spin chains. <i>Physical Review B</i> , 2016, 94, .	1.1	71
9	Floquet Time Crystals. <i>Physical Review Letters</i> , 2016, 117, 090402.	2.9	645
10	Out-of-equilibrium density dynamics of a quenched fermionic system. <i>Physical Review B</i> , 2016, 94, .	1.1	23
11	Dynamical Quantum Phase Transitions: Role of Topological Nodes in Wave Function Overlaps. <i>Physical Review Letters</i> , 2016, 117, 086802.	2.9	76
12	Thermalization in small quantum systems. <i>Science</i> , 2016, 353, 752-753.	6.0	8
13	Fidelity decay and entropy production in many-particle systems after random interaction quench. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 043101.	0.9	10
14	Non-equilibrium dynamics of an ultracold Bose gas under multi-pulsed interaction quenches. <i>Modern Physics Letters B</i> , 2016, 30, 1650367.	1.0	1
15	Universal short-time dynamics: Boundary functional renormalization group for a temperature quench. <i>Physical Review B</i> , 2016, 94, .	1.1	20
16	Time-Resolved Observation of Thermalization in an Isolated Quantum System. <i>Physical Review Letters</i> , 2016, 117, 170401.	2.9	81
17	Anomalous Thermalization in Ergodic Systems. <i>Physical Review Letters</i> , 2016, 117, 170404.	2.9	133
18	Bimodal entanglement entropy distribution in the many-body localization transition. <i>Physical Review B</i> , 2016, 94, .	1.1	65

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19	Signatures and conditions for phase band crossings in periodically driven integrable systems. <i>Physical Review B</i> , 2016, 94, .	1.1	23
20	Work and entropy production in generalised Gibbs ensembles. <i>New Journal of Physics</i> , 2016, 18, 123035.	1.2	33
21	Thermalization and light cones in a model with weak integrability breaking. <i>Physical Review B</i> , 2016, 94, .	1.1	63
22	Eigenstate Gibbs ensemble in integrable quantum systems. <i>Physical Review B</i> , 2016, 94, .	1.1	29
23	Extended nonergodic states in disordered many-body quantum systems. <i>Annalen Der Physik</i> , 2017, 529, 1600284.	0.9	82
24	Emergent ultrafast phenomena in correlated oxides and heterostructures. <i>Physica Scripta</i> , 2017, 92, 034004.	1.2	26
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27	A one parameter fit for glassy dynamics as a quantum corollary of the liquid to solid transition. <i>Philosophical Magazine</i> , 2017, 97, 1509-1566.	0.7	10
28	Power-law decay exponents: A dynamical criterion for predicting thermalization. <i>Physical Review A</i> , 2017, 95, .	1.0	43
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34	Numerical linked cluster expansions for quantum quenches in one-dimensional lattices. <i>Physical Review E</i> , 2017, 95, 033302.	0.8	15
35	Dynamical thermalization in isolated quantum dots and black holes. <i>Europhysics Letters</i> , 2017, 117, 10003.	0.7	17
36	From interacting particles to equilibrium statistical ensembles. <i>Physical Review B</i> , 2017, 95, .	1.1	56

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41	How a Small Quantum Bath Can Thermalize Long Localized Chains. Physical Review Letters, 2017, 119, 150602.	2.9	110
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44	Interconnections between equilibrium topology and dynamical quantum phase transitions in a linearly ramped Haldane model. Physical Review B, 2017, 95, .	1.1	40
45	Emergent topology and dynamical quantum phase transitions in two-dimensional closed quantum systems. Physical Review B, 2017, 96, .	1.1	50
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51	Probing the role of long-range interactions in the dynamics of a long-range Kitaev chain. Physical Review B, 2017, 96, .	1.1	70
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60	Many-body localization transition through pairwise correlations. <i>Physical Review B</i> , 2017, 96, .	1.1	12
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62	Geometry and non-adiabatic response in quantum and classical systems. <i>Physics Reports</i> , 2017, 697, 1-87.	10.3	178
63	Entanglement and thermodynamics after a quantum quench in integrable systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7947-7951.	3.3	273
64	Periodically driven random quantum spin chains: real-space renormalization for Floquet localized phases. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 073301.	0.9	8
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74	Probing many-body dynamics on a 51-atom quantum simulator. Nature, 2017, 551, 579-584.	13.7	1,463
75	Nonequilibrium quench dynamics of hard-core bosons in quasiperiodic lattices. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 113107.	0.9	4
76	Entanglement Entropy of Eigenstates of Quantum Chaotic Hamiltonians. Physical Review Letters, 2017, 119, 220603.	2.9	107
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81	Fluctuating hydrodynamics, current fluctuations, and hyperuniformity in boundary-driven open quantum chains. Physical Review E, 2017, 96, 052118.	0.8	35
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89	Prethermalization at Low Temperature: The Scent of Long-Range Order. Physical Review Letters, 2017, 119, 010601.	2.9	24
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92	Multifractality of eigenstates in the delocalized non-ergodic phase of some random matrix models: Wignerâ€“Weisskopf approach. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 295101.	0.7	37
93	Real-time confinement following a quantum quench to a non-integrable model. <i>Nature Physics</i> , 2017, 13, 246-249.	6.5	205
94	Dynamical manifestations of quantum chaos: correlation hole and bulge. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160434.	1.6	51
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97	Chaos, complexity, and random matrices. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	156
98	Eigenstate thermalization in the Sachdev-Ye-Kitaev model. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	84
99	Entanglement entropy and Fisher information metric for closed bosonic strings in homogeneous plane wave background. <i>Physical Review D</i> , 2017, 96, .	1.6	11
100	Determination of scale invariance in random-matrix spectral fluctuations without unfolding. <i>Physical Review E</i> , 2017, 96, 012110.	0.8	16
101	Localized thermal states. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	6
102	Towards Quantum Simulation with Circular Rydberg Atoms. <i>Physical Review X</i> , 2018, 8, .	2.8	91
103	Exploring one-particle orbitals in large many-body localized systems. <i>Physical Review B</i> , 2018, 97, .	1.1	20
104	Atypicality of Most Few-Body Observables. <i>Physical Review Letters</i> , 2018, 120, 080603.	2.9	29
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106	Dynamical quantum phase transitions in extended transverse Ising models. <i>Physical Review B</i> , 2018, 97, .	1.1	27
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111	Spreading of correlations in the Falicov-Kimball model. <i>Physical Review B</i> , 2018, 97, .	1.1	9
112	Quasiprobability behind the out-of-time-ordered correlator. <i>Physical Review A</i> , 2018, 97, .	1.0	72
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118	Embedded random matrix ensembles from nuclear structure and their recent applications. <i>International Journal of Modern Physics E</i> , 2018, 27, 1830001.	0.4	29
119	Generalized eigenstate typicality in translation-invariant quasifree fermionic models. <i>Physical Review B</i> , 2018, 97, .	1.1	9
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126	Thermalization near Integrability in a Dipolar Quantum Newton's Cradle. <i>Physical Review X</i> , 2018, 8, .	2.8	149



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130	Does a Single Eigenstate Encode the Full Hamiltonian?. Physical Review X, 2018, 8, .	2.8	149
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136	Entanglement and thermodynamics in non-equilibrium isolated quantum systems. Physica A: Statistical Mechanics and Its Applications, 2018, 504, 31-44.	1.2	64
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139	Asymmetries in the spectral density of an interaction-quenched Luttinger liquid. Journal of Physics: Conference Series, 2018, 969, 012140.	0.3	0
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144	On quantum-mechanical origin of statistical mechanics. Journal of Physics: Conference Series, 2018, 1113, 012012.	0.3	1

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152	Entangling power of time-evolution operators in integrable and nonintegrable many-body systems. <i>Physical Review B</i> , 2018, 98, .	1.1	35
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155	Dynamics and level statistics of interacting fermions in the lowest Landau level. <i>New Journal of Physics</i> , 2018, 20, 103036.	1.2	8
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157	Probing thermality beyond the diagonal. <i>Physical Review D</i> , 2018, 98, .	1.6	37
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166	Effective metal-insulator nonequilibrium quantum phase transition in the Su-Schrieffer-Heeger model. <i>Physical Review B</i> , 2018, 98, .	1.1	6
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168	Quantum quench and thermalization of one-dimensional Fermi gas via phase-space hydrodynamics. <i>Physical Review A</i> , 2018, 98, .	1.0	16
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178	Detection and characterization of many-body localization in central spin models. <i>Physical Review B</i> , 2018, 98, .	1.1	15
179	Quantum scarred eigenstates in a Rydberg atom chain: Entanglement, breakdown of thermalization, and stability to perturbations. <i>Physical Review B</i> , 2018, 98, .	1.1	260
180	Eigenstate entanglement between quantum chaotic subsystems: Universal transitions and power laws in the entanglement spectrum. <i>Physical Review E</i> , 2018, 98, .	0.8	16

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