Alessandro Silva

List of Publications by Year
in descending order

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66 papers	5,276 citations	117625 34 h-index	106344 65 g-index
66 all docs	66 docs citations	66 times ranked	2821 citing authors

#	Article	IF	Citations
1	Taking the temperature of a pure quantum state. Physical Review A, 2022, 105, .	2.5	12
2	Out-of-time-order correlations and the fine structure of eigenstate thermalization. Physical Review E, 2021, 104, 034120.	2.1	22
3	Slow heating in a quantum coupled kicked rotors system. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 024008.	2.3	12
4	Multipartite Entanglement Structure in the Eigenstate Thermalization Hypothesis. Physical Review Letters, 2020, 124, 040605.	7.8	30
5	Quantum echo dynamics in the Sherrington-Kirkpatrick model. SciPost Physics, 2020, 9, .	4.9	15
6	Crossover from fast to slow dynamics in a long range interacting Ising chain. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 094017.	2.3	7
7	Dynamical phase diagram of a quantum Ising chain with long-range interactions. Physical Review B, 2019, 100, .	3.2	18
8	Dynamical phase transition in the transverse field Ising chain characterized by the transverse magnetization spectral function. Physical Review B, 2019, 100, .	3.2	4
9	Prethermal quantum many-body Kapitza phases of periodically driven spin systems. Physical Review B, 2019, 100, .	3.2	35
10	Quasilocalized excitations induced by long-range interactions in translationally invariant quantum spin chains. Physical Review B, 2019, 99, .	3.2	48
11	Floquet time crystals in clock models. Physical Review B, 2019, 99, .	3.2	69
12	Impact of nonequilibrium fluctuations on prethermal dynamical phase transitions in long-range interacting spin chains. Physical Review B, 2019, 99, .	3.2	54
13	From localization to anomalous diffusion in the dynamics of coupled kicked rotors. Physical Review E, 2018, 97, 022202.	2.1	36
14	Chaotic Dynamical Ferromagnetic Phase Induced by Nonequilibrium Quantum Fluctuations. Physical Review Letters, 2018, 120, 130603.	7.8	54
15	Dynamical Quantum Phase Transitions in Spin Chains with Long-Range Interactions: Merging Different Concepts of Nonequilibrium Criticality. Physical Review Letters, 2018, 120, 130601.	7.8	179
16	Scrambling and entanglement spreading in long-range spin chains. Physical Review B, 2018, 98, .	3.2	125
17	Remnants of Anderson localization in prethermalization induced by white noise. Physical Review B, 2018, 98, .	3.2	13
18	The Role of Quantum Work Statistics in Many-Body Physics. Fundamental Theories of Physics, 2018, , 317-336.	0.3	7

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19	Multipartite entanglement after a quantum quench. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 053104.	2.3	23
20	Dynamical phase transitions and temporal orthogonality in one-dimensional hard-core bosons: from the continuum to the lattice. New Journal of Physics, 2017, 19, 113018.	2.9	24
21	Dynamical quantum phase transitions in systems with continuous symmetry breaking. Physical Review B, 2017, 96, .	3.2	44
22	Dynamical phase transitions and Loschmidt echo in the infinite-range XY model. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150160.	3.4	57
23	Linear ramps of the mass in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>O</mml:mi><mml:mo>(</mml:mo><mml:mi>N</mml:mi> model: Dynamical transition and quantum noise of excitations. Physical Review B, 2016, 94, .	3.2	13
24	Exploring dynamical phase transitions and prethermalization with quantum noise of excitations. Physical Review B, 2015, 91, .	3.2	65
25	Total correlations of the diagonal ensemble herald the many-body localization transition. Physical Review B, 2015, 92, .	3.2	64
26	Dynamics in many-body localized quantum systems without disorder. Physical Review B, 2015, 91, .	3.2	112
27	Prethermalization of weakly interacting bosons after a sudden interaction quench. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P05035.	2.3	12
28	Absence of thermalization in a Fermi liquid. Physical Review B, 2014, 90, .	3.2	3
29	Nonadiabatic stationary behavior in a driven low-dimensional gapped system. Physical Review B, 2014, 90, .	3.2	2
30	Nonequilibrium dynamics of a noisy quantum Ising chain: Statistics of work and prethermalization after a sudden quench of the transverse field. Physical Review B, 2014, 89, .	3.2	36
31	Quantum quenches, linear response and superfluidity out of equilibrium. Europhysics Letters, 2014, 107, 30002.	2.0	13
32	Complexity of controlling quantum many-body dynamics. Physical Review A, 2014, 89, .	2.5	28
33	Linear response as a singular limit for a periodically driven closed quantum system. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P09012.	2.3	26
34	Prethermalization in a Nonintegrable Quantum Spin Chain after a Quench. Physical Review Letters, 2013, 111, 197203.	7.8	126
35	Statistics of the work done by splitting a one-dimensional quasicondensate. Physical Review E, 2013, 87, 052129.	2.1	59
36	Work distribution and edge singularities for generic time-dependent protocols in extended systems. Physical Review E, 2013, 88, 042109.	2.1	57

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37	Many-body localization and thermalization in the full probability distribution function of observables. New Journal of Physics, 2012, 14, 095020.	2.9	26
38	Relaxation, prethermalization, and diffusion in a noisy quantum Ising chain. Physical Review B, 2012, 86, .	3.2	61
39	Universal Energy Distribution of Quasiparticles Emitted in a Local Time-Dependent Quench. Physical Review Letters, 2012, 109, 037202.	7.8	22
40	Relaxation Dynamics of Disordered Spin Chains: Localization and the Existence of a Stationary State. Physical Review Letters, 2012, 109, 247205.	7.8	36
41	Large Deviations and Universality in Quantum Quenches. Physical Review Letters, 2012, 109, 250602.	7.8	109
42	Periodic Steady Regime and Interference in a Periodically Driven Quantum System. Physical Review Letters, 2012, 109, 257201.	7.8	148
43	Quantum quenches, thermalization, and many-body localization. Physical Review B, 2011, 83, .	3.2	126
44	Colloquium: Nonequilibrium dynamics of closed interacting quantum systems. Reviews of Modern Physics, 2011, 83, 863-883.	45.6	2,081
45	Applicability of the generalized Gibbs ensemble after a quench in the quantum Ising chain. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P07015.	2.3	45
46	Long time dynamics following a quench in an integrable quantum spin chain: Local versus nonlocal operators and effective thermal behavior. Physical Review B, 2010, 82, .	3.2	118
47	Quantum quenches in the Dicke model: Statistics of the work done and of other observables. Physical Review E, 2009, 80, 061130.	2.1	35
48	Adiabatic dynamics of a quantum critical system coupled to an environment: Scaling and kinetic equation approaches. Physical Review B, 2009, 80, .	3.2	51
49	Thermalization Dynamics Close to a Quantum Phase Transition. Physical Review Letters, 2009, 102, 245701.	7.8	15
50	Effective Thermal Dynamics Following a Quantum Quench in a Spin Chain. Physical Review Letters, 2009, 102, 127204.	7.8	183
51	Adiabatic pumping through a quantum dot in the Kondo regime: Exact results at the Toulouse limit. Physical Review B, 2008, 77, .	3.2	17
52	Statistics of the Work Done on a Quantum Critical System by Quenching a Control Parameter. Physical Review Letters, 2008, 101, 120603.	7.8	274
53	Adiabatic Dynamics in Open Quantum Critical Many-Body Systems. Physical Review Letters, 2008, 101, 175701.	7.8	90
54	Phase Coherence, Inelastic Scattering, and Interaction Corrections in Pumping Through Quantum Dots. Physical Review Letters, 2008, 100, 236803.	7.8	35

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55	Multiphoton processes in driven mesoscopic systems. Physical Review B, 2007, 76, .	3.2	6
56	Instanton Analysis of Hysteresis in the Three-Dimensional Random-Field Ising Model. Physical Review Letters, 2006, 96, 117202.	7.8	11
57	Measuring entanglement entropies in many-body systems. Physical Review A, 2006, 74, .	2.5	63
58	Subgap states in dirty superconductors and their effect on dephasing in Josephson qubits. Physical Review B, 2005, 71, .	3.2	16
59	Tail states below the Thouless gap in superconductorâ€“normal-metalâ€“superconductor junctions: Classical fluctuations. Physical Review B, 2005, 72, .	3.2	3
60	Comment on â€œDo Intradot Electron-Electron Interactions Induce Dephasing?â€• Physical Review Letters, 2005, 94, 179701; author reply 179702.	7.8	4
61	Charge oscillations in quantum dots: Renormalization group and Hartree method calculations. Physical Review B, 2005, 72, .	3.2	52
62	Controlled Dephasing of a Quantum Dot in the Kondo Regime. Physical Review Letters, 2004, 92, 156801.	7.8	34
63	Peculiarities of the controlled dephasing of a quantum dot in the Kondo regime. Europhysics Letters, 2003, 62, 103-109.	2.0	13
64	Phase measurements in Quantum Dots. , 2003, , 149-172.		0
65	Signs of quantum dotâ€“lead matrix elements: The effect on transport versus spectral properties. Physical Review B, 2002, 66, .	3.2	76
66	Effects of entanglement in controlled dephasing. Physical Review B, 2001, 63, .	3.2	20