Yuto Ashida

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11941206/publications.pdf

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40 papers	3,112 citations	257450 24 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	1767 citing authors

#	Article	IF	Citations
1	Topological Phases of Non-Hermitian Systems. Physical Review X, 2018, 8, .	8.9	792
2	Non-Hermitian physics. Advances in Physics, 2020, 69, 249-435.	14.4	695
3	Topological unification of time-reversal and particle-hole symmetries in non-Hermitian physics. Nature Communications, 2019, 10, 297.	12.8	206
4	Parity-time-symmetric quantum critical phenomena. Nature Communications, 2017, 8, 15791.	12.8	205
5	Information Retrieval and Criticality in Parity-Time-Symmetric Systems. Physical Review Letters, 2017, 119, 190401.	7.8	151
6	Parity-time-symmetric topological superconductor. Physical Review B, 2018, 98, .	3.2	132
7	Measurement-induced quantum criticality under continuous monitoring. Physical Review B, 2020, 102, .	3.2	98
8	Quantum critical behavior influenced by measurement backaction in ultracold gases. Physical Review A, 2016, 94, .	2.5	80
9	Quantum Electrodynamic Control of Matter: Cavity-Enhanced Ferroelectric Phase Transition. Physical Review X, 2020, 10, .	8.9	72
10	Continuous Phase Transition without Gap Closing in Non-Hermitian Quantum Many-Body Systems. Physical Review Letters, 2020, 125, 260601.	7.8	69
11	Full-Counting Many-Particle Dynamics: Nonlocal and Chiral Propagation of Correlations. Physical Review Letters, 2018, 120, 185301.	7.8	53
12	PT-symmetric non-Hermitian quantum many-body system using ultracold atoms in an optical lattice with controlled dissipation. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	45
13	Cavity Quantum Electrodynamics at Arbitrary Light-Matter Coupling Strengths. Physical Review Letters, 2021, 126, 153603.	7.8	44
14	Exploring the anisotropic Kondo model in and out of equilibrium with alkaline-earth atoms. Physical Review B, 2018, 97, .	3.2	39
15	Diffraction-Unlimited Position Measurement of Ultracold Atoms in an Optical Lattice. Physical Review Letters, 2015, 115, 095301.	7.8	38
16	Exceptional non-Hermitian topological edge mode and its application to active matter. Nature Communications, 2020, 11, 5745.	12.8	37
17	Solving Quantum Impurity Problems in and out of Equilibrium with the Variational Approach. Physical Review Letters, 2018, 121, 026805.	7.8	35
18	Quantum-trajectory thermodynamics with discrete feedback control. Physical Review A, 2016, 94, .	2.5	34

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19	Anomalous Topological Active Matter. Physical Review Letters, 2019, 123, 205502.	7.8	34
20	Deep Reinforcement Learning Control of Quantum Cartpoles. Physical Review Letters, 2020, 125, 100401.	7.8	32
21	Thermalization and Heating Dynamics in Open Generic Many-Body Systems. Physical Review Letters, 2018, 121, 170402.	7.8	30
22	Many-body interferometry of magnetic polaron dynamics. Physical Review B, 2018, 97, .	3.2	26
23	Quantum Rydberg Central Spin Model. Physical Review Letters, 2019, 123, 183001.	7.8	25
24	General achievable bound of extractable work under feedback control. Physical Review E, 2014, 90, 052125.	2.1	24
25	Variational principle for quantum impurity systems in and out of equilibrium: Application to Kondo problems. Physical Review B, 2018, 98, .	3.2	22
26	Multiparticle quantum dynamics under real-time observation. Physical Review A, 2017, 95, .	2.5	19
27	Precise multi-emitter localization method for fast super-resolution imaging. Optics Letters, 2016, 41, 72.	3.3	15
28	Rectification in nonequilibrium steady states of open many-body systems. Physical Review Research, 2020, 2, .	3.6	14
29	Nonperturbative waveguide quantum electrodynamics. Physical Review Research, 2022, 4, .	3.6	13
30	Fluctuation theorems in feedback-controlled open quantum systems: Quantum coherence and absolute irreversibility. Physical Review A, 2017, 96, .	2.5	10
31	Efficient variational approach to dynamics of a spatially extended bosonic Kondo model. Physical Review A, 2019, 100, .	2.5	8
32	Higher-order efficiency bound and its application to nonlinear nanothermoelectrics. Physical Review E, 2021, 104, 044115.	2.1	8
33	Learning the best nanoscale heat engines through evolving network topology. Communications Physics, 2021, 4, .	5.3	4
34	Fractional quantum Hall states of dipolar fermions in a strained optical lattice. Physical Review A, 2016, 94, .	2.5	3
35	Continuous Observation of Quantum Systems. Springer Theses, 2020, , 13-28.	0.1	0
36	Quantum Critical Phenomena. Springer Theses, 2020, , 29-85.	0.1	0

#	Article	IF	Citations
37	Quantum Spin in an Environment. Springer Theses, 2020, , 145-203.	0.1	0
38	Motivation and Outline. Springer Theses, 2020, , 1-12.	0.1	0
39	Out-of-Equilibrium Quantum Dynamics. Springer Theses, 2020, , 87-143.	0.1	0
40	Quantum Particle in a Magnetic Environment. Springer Theses, 2020, , 205-224.	0.1	0