

Yuto Ashida

List of Publications by Year in descending order

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Version: 2024-02-01

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	Nonperturbative waveguide quantum electrodynamics. <i>Physical Review Research</i> , 2022, 4, .	3.6	13
2	Learning the best nanoscale heat engines through evolving network topology. <i>Communications Physics</i> , 2021, 4, .	5.3	4
3	Cavity Quantum Electrodynamics at Arbitrary Light-Matter Coupling Strengths. <i>Physical Review Letters</i> , 2021, 126, 153603.	7.8	44
4	Higher-order efficiency bound and its application to nonlinear nanothermoelectrics. <i>Physical Review E</i> , 2021, 104, 044115.	2.1	8
5	PT-symmetric non-Hermitian quantum many-body system using ultracold atoms in an optical lattice with controlled dissipation. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	6.6	45
6	Exceptional non-Hermitian topological edge mode and its application to active matter. <i>Nature Communications</i> , 2020, 11, 5745.	12.8	37
7	Quantum Electrodynamical Control of Matter: Cavity-Enhanced Ferroelectric Phase Transition. <i>Physical Review X</i> , 2020, 10, .	8.9	72
8	Deep Reinforcement Learning Control of Quantum Cartpoles. <i>Physical Review Letters</i> , 2020, 125, 100401.	7.8	32
9	Measurement-induced quantum criticality under continuous monitoring. <i>Physical Review B</i> , 2020, 102, .	3.2	98
10	Non-Hermitian physics. <i>Advances in Physics</i> , 2020, 69, 249-435.	14.4	695
11	Continuous Phase Transition without Gap Closing in Non-Hermitian Quantum Many-Body Systems. <i>Physical Review Letters</i> , 2020, 125, 260601.	7.8	69
12	Rectification in nonequilibrium steady states of open many-body systems. <i>Physical Review Research</i> , 2020, 2, .	3.6	14
13	Continuous Observation of Quantum Systems. <i>Springer Theses</i> , 2020, , 13-28.	0.1	0
14	Quantum Critical Phenomena. <i>Springer Theses</i> , 2020, , 29-85.	0.1	0
15	Quantum Spin in an Environment. <i>Springer Theses</i> , 2020, , 145-203.	0.1	0
16	Motivation and Outline. <i>Springer Theses</i> , 2020, , 1-12.	0.1	0
17	Out-of-Equilibrium Quantum Dynamics. <i>Springer Theses</i> , 2020, , 87-143.	0.1	0
18	Quantum Particle in a Magnetic Environment. <i>Springer Theses</i> , 2020, , 205-224.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Efficient variational approach to dynamics of a spatially extended bosonic Kondo model. <i>Physical Review A</i> , 2019, 100, .	2.5	8
20	Quantum Rydberg Central Spin Model. <i>Physical Review Letters</i> , 2019, 123, 183001.	7.8	25
21	Topological unification of time-reversal and particle-hole symmetries in non-Hermitian physics. <i>Nature Communications</i> , 2019, 10, 297.	12.8	206
22	Anomalous Topological Active Matter. <i>Physical Review Letters</i> , 2019, 123, 205502.	7.8	34
23	Many-body interferometry of magnetic polaron dynamics. <i>Physical Review B</i> , 2018, 97, .	3.2	26
24	Full-Counting Many-Particle Dynamics: Nonlocal and Chiral Propagation of Correlations. <i>Physical Review Letters</i> , 2018, 120, 185301.	7.8	53
25	Exploring the anisotropic Kondo model in and out of equilibrium with alkaline-earth atoms. <i>Physical Review B</i> , 2018, 97, .	3.2	39
26	Topological Phases of Non-Hermitian Systems. <i>Physical Review X</i> , 2018, 8, .	8.9	792
27	Thermalization and Heating Dynamics in Open Generic Many-Body Systems. <i>Physical Review Letters</i> , 2018, 121, 170402.	7.8	30
28	Variational principle for quantum impurity systems in and out of equilibrium: Application to Kondo problems. <i>Physical Review B</i> , 2018, 98, .	3.2	22
29	Solving Quantum Impurity Problems in and out of Equilibrium with the Variational Approach. <i>Physical Review Letters</i> , 2018, 121, 026805.	7.8	35
30	Parity-time-symmetric topological superconductor. <i>Physical Review B</i> , 2018, 98, .	3.2	132
31	Parity-time-symmetric quantum critical phenomena. <i>Nature Communications</i> , 2017, 8, 15791.	12.8	205
32	Fluctuation theorems in feedback-controlled open quantum systems: Quantum coherence and absolute irreversibility. <i>Physical Review A</i> , 2017, 96, .	2.5	10
33	Multiparticle quantum dynamics under real-time observation. <i>Physical Review A</i> , 2017, 95, .	2.5	19
34	Information Retrieval and Criticality in Parity-Time-Symmetric Systems. <i>Physical Review Letters</i> , 2017, 119, 190401.	7.8	151
35	Fractional quantum Hall states of dipolar fermions in a strained optical lattice. <i>Physical Review A</i> , 2016, 94, .	2.5	3
36	Quantum-trajectory thermodynamics with discrete feedback control. <i>Physical Review A</i> , 2016, 94, .	2.5	34

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37	Quantum critical behavior influenced by measurement backaction in ultracold gases. Physical Review A, 2016, 94, .	2.5	80
38	Precise multi-emitter localization method for fast super-resolution imaging. Optics Letters, 2016, 41, 72.	3.3	15
39	Diffraction-Unlimited Position Measurement of Ultracold Atoms in an Optical Lattice. Physical Review Letters, 2015, 115, 095301.	7.8	38
40	General achievable bound of extractable work under feedback control. Physical Review E, 2014, 90, 052125.	2.1	24