Dazhi Xu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1133110/publications.pdf

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27	636	566801	580395
papers	citations	15 h-index	25 g-index

27	27	27	561
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-canonical distribution and non-equilibrium transport beyond weak system-bath coupling regime: A polaron transformation approach. Frontiers of Physics, 2016, 11, 1.	2.4	69
2	Universal constraint for efficiency and power of a low-dissipation heat engine. Physical Review E, 2018, 98, .	0.8	56
3	Efficiency at maximum power of a laser quantum heat engine enhanced by noise-induced coherence. Physical Review E, 2018, 97, 042120.	0.8	52
4	Dimerization-assisted energy transport in light-harvesting complexes. Journal of Chemical Physics, 2010, 132, 234501.	1.2	49
5	Polaron effects on the performance of light-harvesting systems: a quantum heat engine perspective. New Journal of Physics, 2016, 18, 023003.	1.2	46
6	Coherent excitation transfer via the dark-state channel in a bionic system. Light: Science and Applications, 2012, 1, e2-e2.	7.7	41
7	Quantum Maxwell's demon in thermodynamic cycles. Physical Review E, 2011, 83, 061108.	0.8	37
8	Optimal operating protocol to achieve efficiency at maximum power of heat engines. Physical Review E, 2018, 98, 022133.	0.8	35
9	Recoil effects of a motional scatterer on single-photon scattering in one dimension. Scientific Reports, 2013, 3, 3144.	1.6	33
10	Quantum anti-Zeno effect without wave function reduction. Scientific Reports, 2013, 3, .	1.6	32
11	Symmetry and the critical phase of the two-bath spin-boson model: Ground-state properties. Physical Review B, 2015, 91, .	1.1	25
12	Master equation and dispersive probing of a non-Markovian process. Physical Review A, 2013, 87, .	1.0	20
13	Experimental demonstration of the quantum Zeno effect in NMR with entanglement-based measurements. Physical Review A, 2013, 87, .	1.0	20
14	Thermal rectification and heat amplification in a nonequilibrium V-type three-level system. Physical Review E, 2019, 99, 042102.	0.8	20
15	Dynamics of quantum zeno and anti-zeno effects in an open system. Science China: Physics, Mechanics and Astronomy, 2014, 57, 194-207.	2.0	18
16	Noncanonical statistics of a finite quantum system with non-negligible system-bath coupling. Physical Review E, 2014, 90, 062125.	0.8	16
17	Dispersive-coupling-based quantum Zeno effect in a cavity-QED system. Physical Review A, 2011, 83, .	1.0	14
18	Photonic Feshbach resonance. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1234-1238.	2.0	12

#	Article	IF	Citations
19	Collective effects of multiscattering on the coherent propagation of photons in a two-dimensional network. Physical Review A, 2013, 88, .	1.0	12
20	Coherent control of single photons in the cross resonator arrays via the dark state mechanism. European Physical Journal D, 2013, 67, 1.	0.6	7
21	Magnetically induced optical transparency with an ultranarrow spectrum. Physical Review A, 2020, 102, .	1.0	6
22	Quantum phase transitions and critical behaviors in the two-mode three-level quantum Rabi model. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 315302.	0.7	5
23	Spontaneous decoherence of coupled harmonic oscillators confined in a ring. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	2.0	3
24	Enhanced exciton transport in an optical cavity field with spatially varying profile. Physical Review E, 2019, 100, 012125.	0.8	3
25	Quantum theory of photonic vortices and quantum statistics of twisted photons. Physical Review A, 2022, 105, .	1.0	3
26	Quantum Decoherence of Neutrino Oscillation and Weak Measurement about Its Group Velocity. Communications in Theoretical Physics, 2014, 62, 801-808.	1.1	2
27	Nonadiabatic evolution and thermodynamics of a time-dependent open quantum system. Physical Review A, 2021, 104, .	1.0	0