

Hiromichi Nakazato

List of Publications by Year in descending order

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79
papers

1,175
citations

430874

18
h-index

414414

32
g-index

79
all docs

79
docs citations

79
times ranked

629
citing authors

#	ARTICLE	IF	CITATIONS
1	TEMPORAL BEHAVIOR OF QUANTUM MECHANICAL SYSTEMS. International Journal of Modern Physics B, 1996, 10, 247-295.	2.0	180
2	Purification through Zeno-Like Measurements. Physical Review Letters, 2003, 90, 060401.	7.8	89
3	Solvable dynamical model for a quantum measurement process. Physical Review Letters, 1993, 70, 1-4.	7.8	56
4	Preparation and entanglement purification of qubits through Zeno-like measurements. Physical Review A, 2004, 70, .	2.5	52
5	Understanding the quantum Zeno effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 217, 203-208.	2.1	49
6	On the quantum Zeno effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 199, 27-32.	2.1	47
7	Resonant scattering can enhance the degree of entanglement. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 297-308.	2.1	40
8	Exponential rise of dynamical complexity in quantum computing through projections. Nature Communications, 2014, 5, 5173.	12.8	38
9	Stochastic Quantization Method of Fermion Fields. Progress of Theoretical Physics, 1983, 69, 1600-1616.	2.0	37
10	Macroscopic limit of a solvable dynamical model. Physical Review A, 1993, 48, 1066-1081.	2.5	33
11	Generalized Adiabatic Theorem and Strong-Coupling Limits. Quantum - the Open Journal for Quantum Science, 0, 3, 152.	0.0	32
12	Experimental Investigation of Quantum Decay at Short, Intermediate, and Long Times via Integrated Photonics. Physical Review Letters, 2019, 122, 130401.	7.8	30
13	Distillation of entanglement between distant systems by repeated measurements on an entanglement mediator. Physical Review A, 2004, 70, .	2.5	25
14	Generation of multipartite entangled states in Josephson architectures. Physical Review B, 2006, 74, .	3.2	25
15	Minkowski stochastic quantization. Physical Review D, 1986, 34, 492-496.	4.7	24
16	Classes of Exactly Solvable Generalized Semi-classical Rabi Systems. Annalen Der Physik, 2018, 530, 1800198.	2.4	23
17	Infinitely frequent measurements and quantum Zeno effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 239, 333-338.	2.1	20
18	Efficient generation of a maximally entangled state by repeated on- and off-resonant scattering of ancilla qubits. New Journal of Physics, 2009, 11, 123027.	2.9	19

#	ARTICLE	IF	CITATIONS
19	Synchronizing quantum harmonic oscillators through two-level systems. <i>Physical Review A</i> , 2017, 96, .	2.5	19
20	Entanglement generation by qubit scattering in three dimensions. <i>Physical Review A</i> , 2009, 80, .	2.5	17
21	Determining eigenvalues of a density matrix with minimal information in a single experimental setting. <i>Physical Review A</i> , 2014, 89, .	2.5	17
22	Reflection and transmission in a neutron-spin test of the quantum Zeno effect. <i>Physical Review A</i> , 1999, 60, 3448-3460.	2.5	16
23	Spectral resolution of the Liouvillian of the Lindblad master equation for a harmonic oscillator. <i>Journal of Mathematical Physics</i> , 2010, 51, 072107.	1.1	16
24	Quantum Zeno Dynamics from General Quantum Operations. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 4, 289.	0.0	16
25	Thermal Equilibrium in Minkowski Stochastic Quantization. <i>Progress of Theoretical Physics</i> , 1987, 77, 20-25.	2.0	14
26	Exponential Behavior of a Quantum System in a Macroscopic Medium. <i>Physical Review Letters</i> , 1994, 73, 1063-1066.	7.8	14
27	Loss of quantum-mechanical coherence in a measurement process. <i>Physical Review A</i> , 1992, 45, 4355-4366.	2.5	12
28	Non-Abelian phases from quantum Zeno dynamics. <i>Physical Review A</i> , 2013, 88, .	2.5	12
29	Two-Level System with a Noisy Hamiltonian. <i>Journal of Superconductivity and Novel Magnetism</i> , 1999, 12, 843-849.	0.5	11
30	Universal control induced by noise. <i>Physical Review A</i> , 2016, 93, .	2.5	11
31	Analytic estimation of transition between instantaneous eigenstates of quantum two-level system. <i>Scientific Reports</i> , 2018, 8, 17433.	3.3	11
32	Blending two alternative approaches to quantum measurement. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991, 156, 386-390.	2.1	10
33	Can Decay Be Ascribed to Classical Noise?. <i>Open Systems and Information Dynamics</i> , 2017, 24, 1750001.	1.2	10
34	Eternal adiabaticity in quantum evolution. <i>Physical Review A</i> , 2021, 103, .	2.5	9
35	Emergence of a Wiener process as a result of the quantum mechanical interaction with a macroscopic medium. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 245, 189-211.	2.6	8
36	Quantum entanglement formation by repeated spin blockade measurements in a spin field-effect transistor structure embedded with quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005, 29, 674-678.	2.7	8

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37	Estimation of the repeatedly projected reduced density matrix under decoherence. <i>Physical Review A</i> , 2008, 77, .	2.5	8
38	State tomography of a qubit through scattering of a probe qubit. <i>Physical Review A</i> , 2009, 80, .	2.5	8
39	Optimization of a neutron-spin test of the quantum Zeno effect. <i>Physical Review A</i> , 2003, 68, .	2.5	7
40	Generalized adiabatic impulse approximation. <i>Physical Review A</i> , 2022, 105, .	2.5	7
41	ON THE SHORT-TIME BEHAVIOR OF QUANTUM MECHANICAL SYSTEMS. <i>Modern Physics Letters A</i> , 1995, 10, 3103-3111.	1.2	6
42	Diffusion and transfer of entanglement in an array of inductively coupled flux qubits. <i>Physical Review B</i> , 2007, 76, .	3.2	6
43	Entanglement of electrons field-emitted from a superconductor. <i>Physical Review B</i> , 2009, 79, .	3.2	6
44	Hamiltonian purification. <i>Journal of Mathematical Physics</i> , 2015, 56, .	1.1	6
45	Photon distribution at the output of a beam splitter for imbalanced input states. <i>Physical Review A</i> , 2016, 93, .	2.5	6
46	Analytic approach to dynamics of the resonant and off-resonant Jaynes-Cummings systems with cavity losses. <i>Physical Review A</i> , 2021, 103, .	2.5	6
47	Kolmogorov-Arnold-Moser Stability for Conserved Quantities in Finite-Dimensional Quantum Systems. <i>Physical Review Letters</i> , 2021, 126, 150401.	7.8	5
48	A coherent understanding of solvable models for quantum measurement processes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 192, 169-174.	2.1	4
49	Quantum dephasing by chaos. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 222, 130-136.	2.1	4
50	Time development of a wave packet and the time delay. <i>Foundations of Physics</i> , 1997, 27, 1709-1723.	1.3	4
51	State tomography of a chain of qubits embedded in a spin field-effect transistor via repeated spin-blockade measurements on the edge qubit. <i>Physical Review B</i> , 2009, 79, .	3.2	4
52	Interference in a two-mode Bose system as a typical phenomenon. <i>Physical Review A</i> , 2014, 89, .	2.5	4
53	Bounds on Mixed State Entanglement. <i>Entropy</i> , 2020, 22, 62.	2.2	4
54	Application of Minkowski Stochastic Quantization Method to Vector Field Theory. <i>Progress of Theoretical Physics</i> , 1987, 77, 802-807.	2.0	3

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55	Purification of Quantum State Through Zeno-Like Measurements. Journal of the Physical Society of Japan, 2003, 72, 34-37.	1.6	3
56	Distillation by repeated measurements: Continuous spectrum case. Physical Review A, 2010, 82, .	2.5	3
57	Phase randomization and typicality in the interference of two condensates. International Journal of Quantum Information, 2014, 12, 1560019.	1.1	3
58	A Nonperturbative Approach to the Spectrum of a Nonhermite Fokker-Planck Hamiltonian. Progress of Theoretical Physics, 1989, 82, 1201-1208.	2.0	2
59	Dissipative behavior of a quantum system interacting with a macroscopic medium. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 223, 320-326.	2.1	2
60	CONTROL OF DECOHERENCE VIA QUANTUM ZENO SUBSPACES. International Journal of Modern Physics B, 2006, 20, 1408-1420.	2.0	2
61	Extraction of a squeezed state in a field mode via repeated measurements on an auxiliary quantum particle. Physical Review A, 2009, 80, .	2.5	2
62	Spectral representation in stochastic quantization. Physical Review D, 1990, 42, 1166-1178.	4.7	1
63	General structure of correlation functions in stochastic quantization. Physical Review D, 1993, 48, 5838-5849.	4.7	1
64	Spectrum of the Fokker-Planck Hamiltonian in Minkowski Space. Progress of Theoretical Physics Supplement, 1993, 111, 349-371.	0.1	1
65	Analytical solution to the Fokker-Planck equation with a bottomless action. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 333, 98-103.	4.1	1
66	ANALYSIS OF CRITICAL SHORT-TIME LANGEVIN DYNAMICS IN TWO-DIMENSIONAL $\bar{\psi}\psi$ THEORY ON THE BASIS OF A HIGHER-ORDER ALGORITHM. International Journal of Modern Physics C, 2009, 20, 735-745.	1.7	1
67	Thwarted dynamics by partial projective measurements. Journal of Russian Laser Research, 2009, 30, 451-457.	0.6	1
68	Measurement of Purity, the Simplest Nonlinear Functional of the Density Matrix. Open Systems and Information Dynamics, 2014, 21, 1440009.	1.2	1
69	Lindbladian purification. Quantum Science and Technology, 2017, 2, 024001.	5.8	1
70	Experimental Investigation of Quantum Decay via Integrated Photonics. Proceedings (mdpi), 2019, 12, .	0.2	1
71	Entanglement Generation by a Three-Dimensional Qubit Scattering: Concurrence vs. Path (In)Distinguishability. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 17-25.	0.3	1
72	Temporal Behavior of Quantum Systems and Quantum Zeno Effect. , 1998, , 337-344.		0

#	ARTICLE	IF	CITATIONS
73	A PURIFICATION SCHEME AND ENTANGLEMENT DISTILLATIONS. , 2006, , .		0
74	Preparation of quantum state through Zeno-like measurements. Journal of Physics: Conference Series, 2006, 31, 183-184.	0.4	0
75	A controlled-NOT gate in a chain of qubits embedded in a spin field-effect transistor and its process tomography. European Physical Journal B, 2013, 86, 1.	1.5	0
76	Time Symmetry and Quantum Dephasing. , 1998, , 315-323.		0
77	Observation of Quantum Decay Dynamics in an Integrated Photonic Chip. , 2019, , .		0
78	Exact master equation for an open Jaynesâ€“Cummings system. Annals of Physics, 2022, 441, 168890.	2.8	0
79	Unstable vacuum and fermion total reflection by the Klein step. Progress of Theoretical and Experimental Physics, 0, , .	6.6	0