

James Cresser

List of Publications by Year in descending order

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43
papers

1,466
citations

304602

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315616

38
g-index

43
all docs

43
docs citations

43
times ranked

868
citing authors

#	ARTICLE	IF	CITATIONS
1	Open quantum system dynamics and the mean force Gibbs state. AVS Quantum Science, 2022, 4, .	1.8	32
2	Weak and Ultrastrong Coupling Limits of the Quantum Mean Force Gibbs State. Physical Review Letters, 2021, 127, 250601.	2.9	22
3	Time-reversed quantum trajectory analysis of micromaser correlation properties and fluctuation relations. Physica Scripta, 2019, 94, 034005.	1.2	8
4	Time-reversed Quantum Trajectory Analysis of Micromaser Correlation Properties and Fluctuation Relations. , 2019, , .		0
5	Quantum probability rule: a generalization of the theorems of Gleason and Busch. New Journal of Physics, 2014, 16, 043025.	1.2	5
6	Markovian evolution of strongly coupled harmonic oscillators. Physical Review A, 2014, 90, .	1.0	30
7	Using a biased quantum random walk as a quantum lumped element router. Physical Review A, 2014, 90, .	1.0	12
8	Canonical form of master equations and characterization of non-Markovianity. Physical Review A, 2014, 89, .	1.0	248
9	Dynamics of correlations due to a phase-noisy laser. Physica Scripta, 2012, T147, 014004.	1.2	33
10	Comparing different non-Markovianity measures in a driven qubit system. Physical Review A, 2011, 83, .	1.0	105
11	Master equations with memory for systems driven by classical noise. Optics Communications, 2010, 283, 773-780.	1.0	27
12	Decoherence-free quantum information in the presence of dynamical evolution. Physical Review A, 2008, 77, .	1.0	6
13	Super- and subradiant emission of two-level systems in the near-Dicke limit. Physical Review A, 2008, 77, .	1.0	21
14	Quantum Cayley networks of the hypercube. Physical Review A, 2008, 77, .	1.0	24
15	Non-Markovian master equations with quantum trajectory unravellings. , 2007, , CMI49.		0
16	Finding the Kraus decomposition from a master equation and vice versa. Journal of Modern Optics, 2007, 54, 1695-1716.	0.6	119
17	Measurement master equation. Optics Communications, 2006, 264, 352-361.	1.0	22
18	From measurements to quantum friction. Journal of Physics Condensed Matter, 2006, 18, S401-S410.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Micromaser cavity field spectrum by atomic beam measurements. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, S733-S747.	0.6	2
20	Quantum theory of matter-wave detection. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 3117-3128.	0.6	0
21	Quantum theory of friction. <i>Physical Review A</i> , 2005, 72, .	1.0	26
22	Geometric phase for an adiabatically evolving open quantum system. <i>Physical Review A</i> , 2004, 70, .	1.0	27
23	A Theory of Matter Wave Detection. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	0
24	Depolarizing channel as a completely positive map with memory. <i>Physical Review A</i> , 2004, 70, .	1.0	159
25	The rate of spontaneous decay of a moving atom. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 1755-1759.	0.6	15
26	A quantum trajectory analysis of the one-atom micromaser. <i>Quantum and Semiclassical Optics: Journal of the European Optical Society Part B</i> , 1996, 8, 73-104.	1.0	28
27	Atomic-beam and cavity-field correlation functions in the micromaser. <i>Physical Review A</i> , 1994, 50, R925-R928.	1.0	10
28	Quantum-field model of the injected atomic beam in the micromaser. <i>Physical Review A</i> , 1992, 46, 5913-5931.	1.0	32
29	Thermal Equilibrium in the Jaynes-Cummings Model. <i>Journal of Modern Optics</i> , 1992, 39, 2187-2192.	0.6	50
30	Spontaneous emission in a standing-wave cavity: Classical center-of-mass motion. <i>Physical Review A</i> , 1992, 46, 7162-7178.	1.0	26
31	Time-averaged properties of the Jaynes-Cummings model. <i>Physical Review A</i> , 1989, 40, 1464-1473.	1.0	12
32	Theory of electron detection and photonâ€“photoelectron correlations in two-photon ionization. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1989, 6, 1492.	0.9	3
33	Unequal Time EM Field Commutators in Quantum Optics. <i>Physica Scripta</i> , 1988, T21, 52-57.	1.2	4
34	Intensity correlations of frequency-filtered light fields. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987, 20, 4915-4927.	1.6	34
35	Lifetime of excited atomic states. <i>Physical Review A</i> , 1986, 33, 1677-1682.	1.0	23
36	Transient delayed spectrum of collisionally damped resonance fluorescence in a partially coherent field. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1985, 2, 1361.	0.9	12

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37	Electric field commutation relation in the presence of a dipole atom. Physical Review A, 1984, 29, 1984-1990.	1.0	11
38	Quantum noise in a dithered-ring-laser gyroscope. Physical Review A, 1984, 29, 230-238.	1.0	40
39	Theory of the spectrum of the quantised light field. Physics Reports, 1983, 94, 47-110.	10.3	86
40	Quantum noise in ring-laser gyros. II. Numerical results. Physical Review A, 1982, 25, 2226-2234.	1.0	53
41	Quantum noise in ring-laser gyros. III. Approximate analytic results in unlocked region. Physical Review A, 1982, 26, 398-409.	1.0	25
42	Quantum noise in ring-laser gyros. I. Theoretical formulation of problem. Physical Review A, 1982, 25, 2214-2225.	1.0	63
43	Resolvent operator theory of sequential quantum processes. Journal of Physics A, 1980, 13, 795-801.	1.6	6