

Janet Anders

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,402
citations

257450

24
h-index

223800

46
g-index

51
all docs

51
docs citations

51
times ranked

1760
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Brownian motion for magnets. <i>New Journal of Physics</i> , 2022, 24, 033020.	2.9	15
2	Open quantum system dynamics and the mean force Gibbs state. <i>AVS Quantum Science</i> , 2022, 4, .	4.9	32
3	Cavity-altered thermal isomerization rates and dynamical resonant localization in vibro-polaritonic chemistry. <i>Journal of Chemical Physics</i> , 2022, 156, 154305.	3.0	19
4	Comparing Transient Oligonucleotide Hybridization Kinetics Using DNA-PAINT and Optoplasmonic Single-Molecule Sensing on Gold Nanorods. <i>ACS Photonics</i> , 2021, 8, 2882-2888.	6.6	13
5	Global Quantum Thermometry. <i>Physical Review Letters</i> , 2021, 127, 190402.	7.8	28
6	Weak and Ultrastrong Coupling Limits of the Quantum Mean Force Gibbs State. <i>Physical Review Letters</i> , 2021, 127, 250601.	7.8	22
7	Enhanced Energy Transfer to an Optomechanical Piston from Indistinguishable Photons. <i>Physical Review Letters</i> , 2020, 124, 210601.	7.8	13
8	Energetic footprints of irreversibility in the quantum regime. <i>Communications Physics</i> , 2020, 3, .	5.3	19
9	Gibbs mixing of partially distinguishable photons with a polarising beamsplitter membrane. <i>New Journal of Physics</i> , 2020, 22, 113015.	2.9	3
10	Quantum work statistics close to equilibrium. <i>Physical Review Research</i> , 2020, 2, .	3.6	44
11	Contributions to single-shot energy exchanges in open quantum systems. <i>Physical Review E</i> , 2019, 99, 062131.	2.1	3
12	Work Fluctuations in Slow Processes: Quantum Signatures and Optimal Control. <i>Physical Review Letters</i> , 2019, 123, 230603.	7.8	67
13	Quantum work in the Bohmian framework. <i>Physical Review A</i> , 2018, 97, .	2.5	23
14	A Sufficient Set of Experimentally Implementable Thermal Operations for Small Systems. <i>Physical Review X</i> , 2018, 8, .	8.9	23
15	Leggett-Garg Inequalities for Quantum Fluctuating Work. <i>Entropy</i> , 2018, 20, 200.	2.2	10
16	Energy-temperature uncertainty relation in quantum thermodynamics. <i>Nature Communications</i> , 2018, 9, 2203.	12.8	41
17	Focus on quantum thermodynamics. <i>New Journal of Physics</i> , 2017, 19, 010201.	2.9	35
18	A qualitative quantum rate model for hydrogen transfer in soybean lipoxygenase. <i>Journal of Chemical Physics</i> , 2017, 147, 114108.	3.0	6

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19	Entropy production and time asymmetry in the presence of strong interactions. Physical Review E, 2017, 95, 062123.	2.1	42
20	Measurement-dependent corrections to work distributions arising from quantum coherences. Physical Review A, 2017, 96, .	2.5	29
21	Observing a quantum Maxwell demon at work. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7561-7564.	7.1	167
22	A quantum Szilard engine without heat from a thermal reservoir. New Journal of Physics, 2017, 19, 113026.	2.9	33
23	Time-reversal symmetric work distributions for closed quantum dynamics in the histories framework. New Journal of Physics, 2017, 19, 062001.	2.9	43
24	Quantum correlation of light scattered by disordered media. Optics Express, 2016, 24, 4662.	3.4	8
25	Coherence and measurement in quantum thermodynamics. Scientific Reports, 2016, 6, 22174.	3.3	140
26	Thermal energies of classical and quantum damped oscillators coupled to reservoirs. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 215303.	2.1	30
27	Quantum thermodynamics. Contemporary Physics, 2016, 57, 545-579.	1.8	602
28	Thermodynamics S. Klein and G. Nellis Cambridge University Press, The Edinburgh Building, Cambridge, CB2 8RU, UK. 2012. 1072pp. Illustrated. £79. ISBN 978-0-521-19570-6.. Aeronautical Journal, 2015, 119, 250-251. ^{1.6}	1.6	0
29	From single-shot towards general work extraction in a quantum thermodynamic framework. New Journal of Physics, 2015, 17, 085006.	2.9	34
30	Adiabatic graph-state quantum computation. New Journal of Physics, 2014, 16, 113070.	2.9	5
31	Nanoscale temperature measurements using non-equilibrium Brownian dynamics of a levitated nanosphere. Nature Nanotechnology, 2014, 9, 425-429.	31.5	223
32	Thermodynamics of discrete quantum processes. New Journal of Physics, 2013, 15, 033022.	2.9	73
33	Topological features of good resources for measurement-based quantum computation. Mathematical Structures in Computer Science, 2013, 23, 441-453.	0.6	2
34	Landauer's principle in the quantum regime. Physical Review E, 2011, 83, 030102.	2.1	61
35	Increasing complexity with quantum physics. Chaos, 2011, 21, 037102.	2.5	5
36	Entanglement at the quantum phase transition in a harmonic lattice. New Journal of Physics, 2010, 12, 025017.	2.9	10

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37	Ancilla-driven universal quantum computation. <i>Physical Review A</i> , 2010, 82, .	2.5	51
38	Computational Power of Correlations. <i>Physical Review Letters</i> , 2009, 102, 050502.	7.8	131
39	Bell-inequality test for spatial-mode entanglement of a single massive particle. <i>Physical Review A</i> , 2009, 80, .	2.5	15
40	Twisted Graph States for Ancilla-driven Universal Quantum Computation. <i>Electronic Notes in Theoretical Computer Science</i> , 2009, 249, 307-331.	0.9	17
41	How Much of One-Way Computation Is Just Thermodynamics?. <i>Foundations of Physics</i> , 2008, 38, 506-522.	1.3	9
42	Thermal state entanglement in harmonic lattices. <i>Physical Review A</i> , 2008, 77, .	2.5	66
43	Survival of entanglement in thermal states. <i>Europhysics Letters</i> , 2008, 81, 40006.	2.0	26
44	Entanglement and separability of quantum harmonic oscillator systems at finite temperature. <i>Quantum Information and Computation</i> , 2008, 8, 245-262.	0.3	20
45	Spatial entanglement from off-diagonal long-range order in a Bose-Einstein condensate. <i>Physical Review A</i> , 2007, 76, .	2.5	25
46	Macroscopic Entanglement and Phase Transitions. <i>Open Systems and Information Dynamics</i> , 2007, 14, 1-16.	1.2	21
47	Detecting entanglement with a thermometer. <i>New Journal of Physics</i> , 2006, 8, 140-140.	2.9	33
48	Local master equations bypass the secular approximation. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 5, 451.	0.0	27
49	Coherent fluctuation relations: from the abstract to the concrete. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 3, 124.	0.0	24
50	Measurement Based Quantum Computation on Fractal Lattices. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 26, 109-115.	0.8	3
51	Thermodynamics and optimal protocols of multidimensional quadratic Brownian systems. <i>Journal of Physics Communications</i> , 0, , .	1.2	11