

Peter Talkner

List of Publications by Year in descending order

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36
papers

8,930
citations

218592

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330025

37
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37
all docs

37
docs citations

37
times ranked

5240
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring Quantum Otto Engines. PRX Quantum, 2021, 2, .	3.5	17
2	Quasistatic work processes: When slowness implies certainty. Physical Review E, 2021, 104, L062102.	0.8	2
3	<i>Colloquium</i> : Statistical mechanics and thermodynamics at strong coupling: Quantum and classical. Reviews of Modern Physics, 2020, 92, .	16.4	92
4	Comment on "Measurability of nonequilibrium thermodynamics in terms of the Hamiltonian of mean force". Physical Review E, 2020, 102, 066101.	0.8	9
5	Generalized energy measurements and quantum work compatible with fluctuation theorems. Physical Review A, 2019, 99, .	1.0	10
6	Measurement-driven single temperature engine. Physical Review E, 2018, 98, .	0.8	50
7	Work distributions for random sudden quantum quenches. Physical Review E, 2017, 95, 052137.	0.8	18
8	Role of work in matter exchange between finite quantum systems. New Journal of Physics, 2017, 19, 093006.	1.2	4
9	Open system trajectories specify fluctuating work but not heat. Physical Review E, 2016, 94, 022143.	0.8	54
10	Aspects of quantum work. Physical Review E, 2016, 93, 022131.	0.8	147
11	The other QFT. Nature Physics, 2015, 11, 108-110.	6.5	100
12	Quantum fluctuation theorems and power measurements. New Journal of Physics, 2015, 17, 075018.	1.2	32
13	Transient quantum fluctuation theorems and generalized measurements. New Journal of Physics, 2014, 16, 015032.	1.2	19
14	Generalized energy measurements and modified transient quantum fluctuation theorems. Physical Review E, 2014, 89, 052116.	0.8	36
15	Quantum fluctuation theorems and generalized measurements during the force protocol. Physical Review E, 2014, 89, 032114.	0.8	43
16	Statistics of work and fluctuation theorems for microcanonical initial states. New Journal of Physics, 2013, 15, 095001.	1.2	38
17	Work fluctuations for Bose particles in grand canonical initial states. Physical Review E, 2012, 85, 051107.	0.8	27
18	Comparison of free-energy estimators and their dependence on dissipated work. Physical Review E, 2012, 86, 041130.	0.8	27

#	ARTICLE	IF	CITATIONS
19	Quantum Bohr-Kuzovlev work fluctuation theorems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 291-306.	1.6	35
20	Colloquium: Quantum fluctuation relations: Foundations and applications. Reviews of Modern Physics, 2011, 83, 771-791.	16.4	991
21	Nonequilibrium work statistics of an Aharonov-Bohm flux. Physical Review E, 2011, 84, 011138.	0.8	19
22	Work statistics of charged noninteracting fermions in slowly changing magnetic fields. Physical Review E, 2011, 83, 041119.	0.8	10
23	Thermodynamic anomalies in open quantum systems: Strong coupling effects in the isotropic XY model. Chemical Physics, 2010, 375, 187-194.	0.9	28
24	Fluctuation Theorems for Continuously Monitored Quantum Fluxes. Physical Review Letters, 2010, 105, 140601.	2.9	105
25	Finite bath fluctuation theorem. Physical Review E, 2009, 80, 031145.	0.8	35
26	Fluctuation theorems in driven open quantum systems. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P02025.	0.9	112
27	Specific heat anomalies of open quantum systems. Physical Review E, 2009, 79, 061105.	0.8	85
28	Fluctuation Theorem for Arbitrary Open Quantum Systems. Physical Review Letters, 2009, 102, 210401.	2.9	273
29	Thermodynamics and fluctuation theorems for a strongly coupled open quantum system: an exactly solvable case. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 392002.	0.7	40
30	Finite quantum dissipation: the challenge of obtaining specific heat. New Journal of Physics, 2008, 10, 115008.	1.2	116
31	Statistics of work performed on a forced quantum oscillator. Physical Review E, 2008, 78, 011115.	0.8	55
32	Microcanonical quantum fluctuation theorems. Physical Review E, 2008, 77, 051131.	0.8	63
33	The Tasaki-Crooks quantum fluctuation theorem. Journal of Physics A: Mathematical and Theoretical, 2007, 40, F569-F571.	0.7	122
34	Fluctuation theorems: Work is not an observable. Physical Review E, 2007, 75, 050102.	0.8	560
35	Reaction-rate theory: fifty years after Kramers. Reviews of Modern Physics, 1990, 62, 251-341.	16.4	5,326
36	Quantum theory of the damped harmonic oscillator. European Physical Journal B, 1984, 55, 87-94.	0.6	227