List of Publications by Year in descending order

209 papers	16,122 citations	41323 49 h-index	16164 124 g-index
214 all docs	214 docs citations	214 times ranked	6803 citing authors

#	Article	IF	Citations
1	Entanglement in many-body systems. Reviews of Modern Physics, 2008, 80, 517-576.	16.4	2,781
2	The classical-quantum boundary for correlations: Discord and related measures. Reviews of Modern Physics, 2012, 84, 1655-1707.	16.4	1,273
3	Necessary and Sufficient Condition for Nonzero Quantum Discord. Physical Review Letters, 2010, 105, 190502.	2.9	1,026
4	Unified View of Quantum and Classical Correlations. Physical Review Letters, 2010, 104, 080501.	2.9	689
5	Geometric quantum computation using nuclear magnetic resonance. Nature, 2000, 403, 869-871.	13.7	672
6	Quantum networks for elementary arithmetic operations. Physical Review A, 1996, 54, 147-153.	1.0	528
7	Geometric Phases for Mixed States in Interferometry. Physical Review Letters, 2000, 85, 2845-2849.	2.9	489
8	Colloquium: The physics of Maxwellâ€™s demon and information. Reviews of Modern Physics, 2009, 81, 1-23.	16.4	469
9	Quantum discord as resource for remote stateÂpreparation. Nature Physics, 2012, 8, 666-670.	6.5	397
10	Local Distinguishability of Multipartite Orthogonal Quantum States. Physical Review Letters, 2000, 85, 4972-4975.	2.9	372
11	Detection of geometric phases in superconducting nanocircuits. Nature, 2000, 407, 355-358.	13.7	359
12	Converting Coherence to Quantum Correlations. Physical Review Letters, 2016, 116, 160407.	2.9	335
13	The thermodynamic meaning of negative entropy. Nature, 2011, 474, 61-63.	13.7	287
14	Teleportation, entanglement and thermodynamics in the quantum world. Contemporary Physics, 1998, 39, 431-446.	0.8	266
15	Sustained Quantum Coherence and Entanglement in the Avian Compass. Physical Review Letters, 2011, 106, 040503.	2.9	255
16	Geometric quantum computation. Journal of Modern Optics, 2000, 47, 2501-2513.	0.6	206
17	Observing the operational significance of discordÂconsumption. Nature Physics, 2012, 8, 671-675.	6.5	201
18	Distributions and channel capacities in generalized statistical mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 247, 211-217.	0.9	171

#	Article	IF	Citations
19	Magnetic susceptibility as a macroscopic entanglement witness. New Journal of Physics, 2005, 7, 258-258.	1.2	156
20	Quantum physics meets biology. HFSP Journal, 2009, 3, 386-400.	2.5	149
21	Photonic Maxwellâ€™s Demon. Physical Review Letters, 2016, 116, 050401.	2.9	137
22	Quantifying entanglement in macroscopic systems. Nature, 2008, 453, 1004-1007.	13.7	136
23	High-temperature macroscopic entanglement. New Journal of Physics, 2004, 6, 102-102.	1.2	118
24	Crucial role of quantum entanglement in bulk properties of solids. Physical Review A, 2006, 73, .	1.0	115
25	Inadequacy of von Neumann entropy for characterizing extractable work. New Journal of Physics, 2011, 13, 053015.	1.2	115
26	Quantum Processes Which Do Not Use Coherence. Physical Review X, 2016, 6, .	2.8	115
27	Operational one-to-one mapping between coherence and entanglement measures. Physical Review A, 2017, 96, .	1.0	101
28	Basics of quantum computation. Progress in Quantum Electronics, 1998, 22, 1-39.	3.5	98
29	General framework for quantum macroscopicity in terms of coherence. Physical Review A, 2016, 93, .	1.0	95
30	Quantum entanglement. Nature Physics, 2014, 10, 256-258.	6.5	94
31	Entanglement hits the big time. Nature, 2003, 425, 28-29.	13.7	91
32	Remote Information Concentration Using a Bound Entangled State. Physical Review Letters, 2001, 86, 352-355.	2.9	90
33	Quantum Correlation without Classical Correlations. Physical Review Letters, 2008, 101, 070502.	2.9	84
34	Statistical mechanics of the cluster Ising model. Physical Review A, 2011, 84, .	1.0	84
35	Quantum-information distribution via entanglement. Physical Review A, 2000, 61, .	1.0	83
36	Quantum mechanics can reduce the complexity of classical models. Nature Communications, 2012, 3, 762.	5.8	79

#	Article	IF	Citations
37	Quantum Correlations in Mixed-State Metrology. Physical Review X, 2011, 1, .	2.8	78
38	Macroscopic Quantum Resonators (MAQRO): 2015 update. EPJ Quantum Technology, 2016, 3, .	2.9	77
39	Extreme nonlocality with one photon. New Journal of Physics, 2011, 13, 053054.	1.2	76
40	Squeezing Enhances Quantum Synchronization. Physical Review Letters, 2018, 120, 163601.	2.9	76
41	Nonlocality of a Single Particle. Physical Review Letters, 2007, 99, 180404.	2.9	71
42	Entanglement in the second quantization formalism. Open Physics, 2003, 1, .	0.8	70
43	Macroscopic Thermal Entanglement Due to Radiation Pressure. Physical Review Letters, 2006, 96, 060407.	2.9	70
44	Quantum correlations which imply causation. Scientific Reports, 2016, 5, 18281.	1.6	69
45	How discord underlies the noise resilience of quantum illumination. New Journal of Physics, 2016, 18, 043027.	1.2	65
46	Quantum phases with differing computational power. Nature Communications, 2012, 3, 812.	5.8	62
47	Living in a Quantum World. Scientific American, 2011, 304, 38-43.	1.0	59
48	Mitigating Realistic Noise in Practical Noisy Intermediate-Scale Quantum Devices. Physical Review Applied, 2021, 15, .	1.5	53
49	Quantum Refrigeration with Indefinite Causal Order. Physical Review Letters, 2020, 125, 070603.	2.9	52
50	Entanglement in single-particle systems. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 2277-2286.	1.0	49
51	Heat capacity as an indicator of entanglement. Physical Review B, 2008, 78, .	1.1	48
52	Introducing one-shot work into fluctuation relations. New Journal of Physics, 2015, 17, 095003.	1.2	48
53	A Nanophotonic Structure Containing Living Photosynthetic Bacteria. Small, 2017, 13, 1701777.	5.2	46
54	Geometric Phase Induced by a Cyclically Evolving Squeezed Vacuum Reservoir. Physical Review Letters, 2006, 96, 150403.	2.9	43

#	Article	IF	Citations
55	The Elusive Source of Quantum Speedup. Foundations of Physics, 2010, 40, 1141-1154.	0.6	43
56	GEOMETRIC PHASES AND TOPOLOGICAL QUANTUM COMPUTATION. International Journal of Quantum Information, 2003, 01, 1-23.	0.6	42
57	Security of EPR-based quantum cryptography against incoherent symmetric attacks. Journal of Physics A, 2001, 34, 6913-6918.	1.6	41
58	Physical interpretation of the Wigner rotations and its implications for relativistic quantum information. New Journal of Physics, 2012, 14, 023041.	1.2	40
59	Natural Multiparticle Entanglement in a Fermi Gas. Physical Review Letters, 2005, 95, 030503.	2.9	38
60	Entanglement and nonlocality of a single relativistic particle. Physical Review A, 2009, 80, .	1.0	38
61	Landauer's erasure, error correction and entanglement. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2000, 456, 969-984.	1.0	37
62	Detecting metrologically useful asymmetry and entanglement by a few local measurements. Physical Review A, 2017, 96, .	1.0	37
63	Regional Versus Global Entanglement in Resonating-Valence-Bond States. Physical Review Letters, 2007, 99, 170502.	2.9	36
64	An informationâ€“theoretic equality implying the Jarzynski relation. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 272001.	0.7	34
65	Comparison of quantum oracles. Physical Review A, 2002, 65, .	1.0	33
66	Detecting entanglement with a thermometer. New Journal of Physics, 2006, 8, 140-140.	1.2	33
67	Coherent Quantum Evolution via Reservoir Driven Holonomies. Physical Review Letters, 2006, 96, 020403.	2.9	33
68	Optomechanical to mechanical entanglement transformation. New Journal of Physics, 2008, 10, 095014.	1.2	33
69	Quantum synchronization in nanoscale heat engines. Physical Review E, 2020, 101, 020201.	0.8	33
70	Uniqueness of the Entanglement Measure for Bipartite Pure States and Thermodynamics. Physical Review Letters, 2002, 89, 037903.	2.9	31
71	Decoherence effects in non-classicality tests of gravity. New Journal of Physics, 2021, 23, 043040.	1.2	31
72	Aharonov-Bohm Phase is Locally Generated Like All Other Quantum Phases. Physical Review Letters, 2020, 125, 040401.	2.9	30

#	Article	IF	Citations
73	Natural Mode Entanglement as a Resource for Quantum Communication. Physical Review Letters, 2009, 103, 200502.	2.9	29
74	Guaranteed Energy-Efficient Bit Reset in Finite Time. Physical Review Letters, 2014, 113, 100603.	2.9	29
75	Verifying Heisenbergâ€™s error-disturbance relation using a single trapped ion. Science Advances, 2016, 2, e1600578.	4.7	29
76	Using quantum theory to simplify inputâ€“output processes. Npj Quantum Information, 2017, 3, .	2.8	29
77	When can gravity path-entangle two spatially superposed masses?. Physical Review D, 2018, 98, .	1.6	29
78	Anandanet al.Reply:. Physical Review Letters, 2002, 89, .	2.9	28
79	Mean-field approximations and multipartite thermal correlations. New Journal of Physics, 2004, 6, 22-22.	1.2	28
80	Spin quantum correlations of relativistic particles. Physical Review A, 2012, 85, .	1.0	28
81	Entanglement RÃ©nyi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math>entropy. Physical Review A, 2016, 93, .	1.0	28
82	Witnessing nonclassicality beyond quantum theory. Physical Review D, 2020, 102, .	1.6	28
83	Thermodynamical detection of entanglement by Maxwellâ€™s demons. Physical Review A, 2005, 71, .	1.0	26
84	Power of one qumode for quantum computation. Physical Review A, 2016, 93, .	1.0	26
85	Causal Asymmetry in a Quantum World. Physical Review X, 2018, 8, .	2.8	26
86	Spatial entanglement from off-diagonal long-range order in a Bose-Einstein condensate. Physical Review A, 2007, 76, .	1.0	25
87	Requirement of Dissonance in Assisted Optimal State Discrimination. Scientific Reports, 2013, 3, 2134.	1.6	25
88	Local characterization of one-dimensional topologically ordered states. Physical Review B, 2013, 88, .	1.1	25
89	Probing quantum features of photosynthetic organisms. Npj Quantum Information, 2018, 4, .	2.8	25
90	Unifying Typical Entanglement and Coin Tossing: on Randomization in Probabilistic Theories. Communications in Mathematical Physics, 2012, 316, 441-487.	1.0	24

#	Article	IF	Citations
91	Majorana fermions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi></mml:math>-wave noncentrosymmetric superconductor with Dresselhaus (110) spin-orbit coupling. Physical Review B, 2013, 87, .	1.1	24
92	Operational advantage of basis-independent quantum coherence. Europhysics Letters, 2019, 125, 50005.	0.7	24
93	Witness gravityâ€™s quantum side in the lab. Nature, 2017, 547, 156-158.	13.7	24
94	Hot entanglement. Nature, 2010, 468, 769-770.	13.7	22
95	No-Hypersignaling Principle. Physical Review Letters, 2017, 119, 020401.	2.9	22
96	Provably unbounded memory advantage in stochastic simulation using quantum mechanics. New Journal of Physics, 2017, 19, 103009.	1.2	22
97	Macroscopic Entanglement and Phase Transitions. Open Systems and Information Dynamics, 2007, 14, 1-16.	0.5	21
98	Pinning of fermionic occupation numbers: General concepts and one spatial dimension. Physical Review A, 2016, 93, .	1.0	21
99	Uncertainty equality with quantum memory and its experimental verification. Npj Quantum Information, 2019, 5, .	2.8	21
100	Entanglement between collective operators in a linear harmonic chain. Physical Review A, 2006, 73, .	1.0	20
101	Behavior of entanglement and Cooper pairs under relativistic boosts. Physical Review A, 2011, 84, .	1.0	20
102	Influence of the fermionic exchange symmetry beyond Pauli's exclusion principle. Physical Review A, 2017, 95, .	1.0	20
103	Thermodynamics of complexity and pattern manipulation. Physical Review E, 2017, 95, 042140.	0.8	20
104	A framework for phase and interference in generalized probabilistic theories. New Journal of Physics, 2013, 15, 093044.	1.2	19
105	Device-Independent Tests of Quantum Measurements. Physical Review Letters, 2017, 118, 250501.	2.9	19
106	Quantum plug nâ€™ play: modular computation in the quantum regime. New Journal of Physics, 2018, 20, 013004.	1.2	19
107	Proton tunnelling in hydrogen bonds and its implications in an induced-fit model of enzyme catalysis. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20180037.	1.0	19
108	Enhancing the Detection of Natural Thermal Entanglement with Disorder. Physical Review Letters, 2009, 102, 100503.	2.9	17

#	Article	IF	Citations
109	Physically realizable entanglement by local continuous measurements. Physical Review A, 2011, 83, .	1.0	17
110	Classification of macroscopic quantum effects. Optics Communications, 2015, 337, 22-26.	1.0	17
111	Pinning of fermionic occupation numbers: Higher spatial dimensions and spin. Physical Review A, 2016, 94, .	1.0	17
112	The classical-quantum divergence of complexity in modelling spin chains. Quantum - the Open Journal for Quantum Science, 0, 1, 25.	0.0	17
113	Local Convertibility and the Quantum Simulation of Edge States in Many-Body Systems. Physical Review X, 2014, 4, .	2.8	16
114	Geometry of quantum correlations in space-time. Physical Review A, 2018, 98, .	1.0	16
115	Equation of state for entanglement in a Fermi gas. Physical Review A, 2005, 71, .	1.0	15
116	Generating topological order from a two-dimensional cluster state using a duality mapping. New Journal of Physics, 2011, 13, 065010.	1.2	15
117	Geometric local invariants and pure three-qubit states. Physical Review A, 2011, 83, .	1.0	15
118	Information-theoretic lower bound on energy cost of stochastic computation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 4058-4066.	1.0	15
119	Towards quantum simulations of biological information flow. Interface Focus, 2012, 2, 522-528.	1.5	15
120	Experimental Self-Characterization of Quantum Measurements. Physical Review Letters, 2020, 124, 040402.	2.9	15
121	On bound entanglement assisted distillation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 262, 121-124.	0.9	14
122	Thermodynamical cost of accessing quantum information. Journal of Physics A, 2005, 38, 7175-7181.	1.6	14
123	Witnessing macroscopic entanglement in a staggered magnetic field. Physical Review A, 2007, 76, .	1.0	14
124	Unification of quantum and classical correlations and quantumness measures. AIP Conference Proceedings, 2011, , .	0.3	14
125	Information and Physics. Information (Switzerland), 2012, 3, 219-223.	1.7	14
126	The uncertainty principle enables non-classical dynamics in an interferometer. Nature Communications, 2014, 5, 4592.	5.8	14

#	Article	IF	Citations
127	Quantum macroscopicity versus distillation of macroscopic superpositions. Physical Review A, 2015, 92, .	1.0	14
128	Maxwell's Daemon: Information versus Particle Statistics. Scientific Reports, 2014, 4, 6995.	1.6	14
129	Local reversibility and entanglement structure of many-body ground states. Quantum Science and Technology, 2017, 2, 015005.	2.6	14
130	Entanglement spectrum: Identification of the transition from vortex-liquid to vortex-lattice state in a weakly interacting rotating Bose-Einstein condensate. Physical Review A, 2011, 83, .	1.0	13
131	Wigner rotations and an apparent paradox in relativistic quantum information. Physical Review A, 2013, 87, .	1.0	13
132	Comment on â€œQuantum Szilard Engineâ€• Physical Review Letters, 2013, 111, 188901.	2.9	13
133	Replicating the benefits of Deutschian closed timelike curves without breaking causality. Npj Quantum Information, 2015, 1, .	2.8	13
134	Quantum optics, molecular spectroscopy and low-temperature spectroscopy: general discussion. Faraday Discussions, 2015, 184, 275-303.	1.6	13
135	Causal Limit on Quantum Communication. Physical Review Letters, 2019, 123, 150502.	2.9	13
136	Towards quantifying complexity with quantum mechanics. European Physical Journal Plus, 2014, 129, 1.	1.2	12
137	Entropic equality for worst-case work at any protocol speed. New Journal of Physics, 2017, 19, 043013.	1.2	12
138	On the Testability of the Equivalence Principle as a Gauge Principle Detecting the Gravitational t3 Phase. Frontiers in Physics, 2020, 8, .	1.0	12
139	ENTANGLEMENT-ASSISTED ORIENTATION IN SPACE. International Journal of Quantum Information, 2006, 04, 365-370.	0.6	11
140	Entanglement production in non-equilibrium thermodynamics. Journal of Physics: Conference Series, 2009, 143, 012010.	0.3	11
141	Quantumness and entanglement witnesses. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 105302.	0.7	11
142	Effects of quantum coherence in metalloprotein electron transfer. Physical Review E, 2012, 86, 031922.	0.8	11
143	Universal upper bounds on the Bose-Einstein condensate and the Hubbard star. Physical Review B, 2017, 96, .	1.1	11
144	Anyons and transmutation of statistics via a vacuum-induced Berry phase. Physical Review A, 2004, 70, .	1.0	10

#	Article	IF	Citations
145	Work extraction from tripartite entanglement. New Journal of Physics, 2005, 7, 195-195.	1.2	10
146	Entanglement in pure and thermal cluster states. New Journal of Physics, 2010, 12, 053015.	1.2	10
147	Entanglement at the quantum phase transition in a harmonic lattice. New Journal of Physics, 2010, 12, 025017.	1.2	10
148	How Much of One-Way Computation Is Just Thermodynamics?. Foundations of Physics, 2008, 38, 506-522.	0.6	9
149	SECOND QUANTIZED KOLMOGOROV COMPLEXITY. International Journal of Quantum Information, 2008, 06, 907-928.	0.6	9
150	Experimental test of the relation between coherence and path information. Communications Physics, 2018, 1, .	2.0	9
151	Theoretical description and experimental simulation of quantum entanglement near open time-like curves via pseudo-density operators. Nature Communications, 2019, 10, 182.	5.8	9
152	Information fluctuation theorem for an open quantum bipartite system. Physical Review E, 2020, 101, 052128.	0.8	9
153	Modular quantum computation in a trapped ion system. Nature Communications, 2019, 10, 4692.	5.8	8
154	Sagnac interferometer and the quantum nature of gravity. Journal of Physics Communications, 2021, 5, 051001.	0.5	8
155	Entanglement in disordered and non-equilibrium systems. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 359-362.	1.3	7
156	Classical to quantum in large-number limit. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 4810-4820.	1.6	7
157	Measuring quantumness: from theory to observability in interferometric setups. European Physical Journal D, 2018, 72, 1.	0.6	7
158	Maximum one-shot dissipated work from RÃ©nyi divergences. Physical Review E, 2018, 97, 052135.	0.8	7
159	Entanglement in Time and Temporal Communication Complexity. AIP Conference Proceedings, 2004, , .	0.3	6
160	Detecting entanglement with Jarzynskiâ€™s equality. Physical Review A, 2010, 81, .	1.0	6
161	CORRELATIONS IN QUANTUM PHYSICS. International Journal of Modern Physics B, 2013, 27, 1345017.	1.0	6
162	Witnessing the quantumness of a single system: From anticommutators to interference and discord. Physical Review A, 2013, 87, .	1.0	6

#	Article	IF	Citations
163	Scale-estimation of quantum coherent energy transport in multiple-minima systems. Scientific Reports, 2015, 4, 5520.	1.6	6
164	Quantum thermodynamics for a model of an expanding Universe. Classical and Quantum Gravity, 2016, 33, 035003.	1.5	6
165	Engineering statistical transmutation of identical quantum particles. Physical Review B, 2019, 99, .	1.1	6
166	Reaching out. Nature Reviews Physics, 2020, 2, 282-284.	11.9	6
167	Dimensionality-induced entanglement in macroscopic dimer systems. Physical Review A, 2007, 76, .	1.0	5
168	Entanglement in doped resonating valence bond states. Physical Review B, 2008, 78, .	1.1	5
169	Positive Phase Space Transformation Incompatible with Classical Physics. Physical Review Letters, 2009, 102, 110404.	2.9	5
170	Moving Beyond Trust in Quantum Computing. Science, 2012, 335, 294-295.	6.0	5
171	Different instances of time as different quantum modes: quantum states across space-time for continuous variables. New Journal of Physics, 2020, 22, 023029.	1.2	5
172	Decoding Reality. , 2018, , .		5
173	Phase diffusion and the small-noise approximation in linear amplifiers: Limitations and beyond. Quantum - the Open Journal for Quantum Science, 0, 3, 200.	0.0	5
174	Entropy as a function of geometric phase. Journal of Physics A, 2004, 37, 11259-11274.	1.6	4
175	THE SECOND QUANTIZED QUANTUM TURING MACHINE AND KOLMOGOROV COMPLEXITY. Modern Physics Letters B, 2008, 22, 1203-1210.	1.0	4
176	Global asymmetry of many-qubit correlations: A lattice-gauge-theory approach. Physical Review A, 2011, 84, .	1.0	4
177	Quantum Correlations in Biomolecules. Procedia Chemistry, 2011, 3, 172-175.	0.7	4
178	Topological quantum phase transitions in the spinâ€“singlet superconductor with Rashba and Dresselhaus (110) spinâ€“orbit couplings. Annals of Physics, 2014, 349, 189-200.	1.0	4
179	Operational effects of the UNOT gate on classical and quantum correlations. Science Bulletin, 2018, 63, 765-770.	4.3	4
180	Non-Monogamy of Spatio-Temporal Correlations and the Black Hole Information Loss Paradox. Entropy, 2020, 22, 228.	1.1	4

#	Article	IF	Citations
181	Transforming pure and mixed states using an NMR quantum homogenizer. Physical Review A, 2021, 103, .	1.0	4
182	Topological quantum gates with quantum dots. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, S643-S646.	1.4	3
183	Accessibility of physical states and non-uniqueness of entanglement measure. Journal of Physics A, 2004, 37, 5887-5893.	1.6	3
184	A better than perfect match. Nature, 2006, 439, 397-397.	13.7	3
185	SchrÃ¶dingerâ€™s Cat Meets Einsteinâ€™s Twins: AÂSuperposition of Different Clock Times. International Journal of Theoretical Physics, 2008, 47, 2126-2129.	0.5	3
186	Effect of Entanglement on Geometric Phase for Multi-Qubit States. Open Systems and Information Dynamics, 2009, 16, 305-323.	0.5	3
187	KaszlikowskietÂal.Reply:. Physical Review Letters, 2010, 104, .	2.9	3
188	Majorana transport in superconducting nanowire with Rashba and Dresselhaus spinâ€“orbit couplings. Journal of Physics Condensed Matter, 2015, 27, 225302.	0.7	3
189	Measurement Based Quantum Computation on Fractal Lattices. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 26, 109-115.	0.8	3
190	Geometric quantum computation with Josephson qubits. Physica C: Superconductivity and Its Applications, 2001, 352, 110-112.	0.6	2
191	Energy requirements for quantum data compression and 1-1 coding. Physical Review A, 2003, 68, .	1.0	2
192	Quantumness without quantumness: entanglement as classical correlations in higher dimensions. Journal of Modern Optics, 2007, 54, 2185-2192.	0.6	2
193	KaszlikowskietÂal.Reply:. Physical Review Letters, 2008, 101, .	2.9	2
194	Quantum Criticality of Ground and Thermal States in XX Model. Open Systems and Information Dynamics, 2009, 16, 281-286.	0.5	2
195	A Simple Thermodynamical Witness Showing Universality of Macroscopic Entanglement. Open Systems and Information Dynamics, 2009, 16, 287-291.	0.5	2
196	Topological features of good resources for measurement-based quantum computation. Mathematical Structures in Computer Science, 2013, 23, 441-453.	0.5	2
197	The curious state of quantum physics. Physics World, 2013, 26, 30-32.	0.0	2
198	Emergence of correlated proton tunnelling in water ice. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20180867.	1.0	2

#	Article	IF	Citations
199	Vacuum induced Berry phase: theory and experimental proposal. Journal of Modern Optics, 2003, 50, 1175-1181.	0.6	2
200	The surprise theory of everything. New Scientist, 2012, 216, 32-37.	0.0	1
201	Experimental verification of quantum discord in continuous-variable states and operational significance of discord consumption. , 2014, , .		1
202	Publisherâ€™s Note: Guaranteed Energy-Efficient Bit Reset in Finite Time [Phys. Rev. Lett.113, 100603 (2014)]. Physical Review Letters, 2014, 113, .	2.9	1
203	Is the fermionic exchange phase also acquired locally?. Journal of Physics Communications, 2019, 3, 111001.	0.5	1
204	CAN ENTANGLEMENT BE EXTRACTED FROM MANY BODY SYSTEMS?. International Journal of Quantum Information, 2007, 05, 125-130.	0.6	0
205	Natural mode entanglement as a resource for quantum communication. , 2011, , .		0
206	Discord as a quantum resource for bi-partite communication. , 2014, , .		0
207	Zen and the art of quantum complexity. New Scientist, 2014, 224, 28-29.	0.0	0
208	Quantum Physics and Time from Inconsistent Marginals. The Frontiers Collection, 2018, , 273-280.	0.1	0
209	A measurable physical theory of hyper-correlations beyond quantum mechanics. Physica Scripta, 2021, 96, 015006.	1.2	0