

Harald Weinfurter

List of Publications by Year in descending order

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239
papers

35,444
citations

9234

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243
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243
times ranked

12401
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental quantum teleportation. <i>Nature</i> , 1997, 390, 575-579.	13.7	4,321
2	Elementary gates for quantum computation. <i>Physical Review A</i> , 1995, 52, 3457-3467.	1.0	2,958
3	New High-Intensity Source of Polarization-Entangled Photon Pairs. <i>Physical Review Letters</i> , 1995, 75, 4337-4341.	2.9	2,612
4	Stable Solid-State Source of Single Photons. <i>Physical Review Letters</i> , 2000, 85, 290-293.	2.9	1,261
5	Violation of Bell's Inequality under Strict Einstein Locality Conditions. <i>Physical Review Letters</i> , 1998, 81, 5039-5043.	2.9	1,150
6	Dense Coding in Experimental Quantum Communication. <i>Physical Review Letters</i> , 1996, 76, 4656-4659.	2.9	1,111
7	Experimental Entanglement Swapping: Entangling Photons That Never Interacted. <i>Physical Review Letters</i> , 1998, 80, 3891-3894.	2.9	1,054
8	Experimental one-way quantum computing. <i>Nature</i> , 2005, 434, 169-176.	13.7	1,027
9	Multiphoton entanglement and interferometry. <i>Reviews of Modern Physics</i> , 2012, 84, 777-838.	16.4	1,007
10	Experimental test of quantum nonlocality in three-photon Greenberger-Horne-Zeilinger entanglement. <i>Nature</i> , 2000, 403, 515-519.	13.7	1,003
11	Observation of Three-Photon Greenberger-Horne-Zeilinger Entanglement. <i>Physical Review Letters</i> , 1999, 82, 1345-1349.	2.9	894
12	Entanglement-based quantum communication over 144 km. <i>Nature Physics</i> , 2007, 3, 481-486.	6.5	866
13	Quantum Cryptography with Entangled Photons. <i>Physical Review Letters</i> , 2000, 84, 4729-4732.	2.9	763
14	The SECOQC quantum key distribution network in Vienna. <i>New Journal of Physics</i> , 2009, 11, 075001.	1.2	619
15	Experimental Demonstration of Free-Space Decoy-State Quantum Key Distribution over 144 km. <i>Physical Review Letters</i> , 2007, 98, 010504.	2.9	589
16	Interaction-Free Measurement. <i>Physical Review Letters</i> , 1995, 74, 4763-4766.	2.9	493
17	Realizable Universal Quantum Logic Gates. <i>Physical Review Letters</i> , 1995, 74, 4087-4090.	2.9	463
18	Quantum memories. <i>European Physical Journal D</i> , 2010, 58, 1-22.	0.6	420

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19	Secure Communication with a Publicly Known Key. Acta Physica Polonica A, 2002, 101, 357-368.	0.2	378
20	Fisher information and multiparticle entanglement. Physical Review A, 2012, 85, .	1.0	376
21	Experimental Detection of Multipartite Entanglement using Witness Operators. Physical Review Letters, 2004, 92, 087902.	2.9	371
22	Heralded Entanglement Between Widely Separated Atoms. Science, 2012, 337, 72-75.	6.0	351
23	A fast and compact quantum random number generator. Review of Scientific Instruments, 2000, 71, 1675-1680.	0.6	339
24	Experimental Realization of a Three-Qubit Entangled W State. Physical Review Letters, 2004, 92, 077901.	2.9	321
25	Complementarity and the Quantum Eraser. Physical Review Letters, 1995, 75, 3034-3037.	2.9	289
26	A step towards global key distribution. Nature, 2002, 419, 450-450.	13.7	282
27	Event-Ready Bell Test Using Entangled Atoms Simultaneously Closing Detection and Locality Loopholes. Physical Review Letters, 2017, 119, 010402.	2.9	278
28	Observation of Entanglement of a Single Photon with a Trapped Atom. Physical Review Letters, 2006, 96, 030404.	2.9	276
29	Three-Particle Entanglements from Two Entangled Pairs. Physical Review Letters, 1997, 78, 3031-3034.	2.9	275
30	Single photon emission from SiV centres in diamond produced by ion implantation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 37-41.	0.6	251
31	Complete Deterministic Linear Optics Bell State Analysis. Physical Review Letters, 2006, 96, 190501.	2.9	246
32	Embedded Bell-state analysis. Physical Review A, 1998, 58, R2623-R2626.	1.0	245
33	Linear Optics Controlled-Phase Gate Made Simple. Physical Review Letters, 2005, 95, 210505.	2.9	244
34	Air-to-ground quantum communication. Nature Photonics, 2013, 7, 382-386.	15.6	243
35	Experimental Analysis of a Four-Qubit Photon Cluster State. Physical Review Letters, 2005, 95, 210502.	2.9	238
36	Experimental Entanglement of a Six-Photon Symmetric Dicke State. Physical Review Letters, 2009, 103, 020504.	2.9	211

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37	High-efficiency entangled photon pair collection in type-II parametric fluorescence. <i>Physical Review A</i> , 2001, 64, .	1.0	203
38	Experimental Observation of Four-Photon Entangled Dicke State with High Fidelity. <i>Physical Review Letters</i> , 2007, 98, 063604.	2.9	187
39	Entangling Photons Radiated by Independent Pulsed Sources. <i>Annals of the New York Academy of Sciences</i> , 1995, 755, 91-102.	1.8	184
40	High-Efficiency Quantum Interrogation Measurements via the Quantum Zeno Effect. <i>Physical Review Letters</i> , 1999, 83, 4725-4728.	2.9	178
41	Practical quantum key distribution with polarization entangled photons. <i>Optics Express</i> , 2004, 12, 3865.	1.7	178
42	Decoherence-Free Quantum Information Processing with Four-Photon Entangled States. <i>Physical Review Letters</i> , 2004, 92, 107901.	2.9	175
43	Experimental Single Qubit Quantum Secret Sharing. <i>Physical Review Letters</i> , 2005, 95, 230505.	2.9	172
44	Remote Preparation of an Atomic Quantum Memory. <i>Physical Review Letters</i> , 2007, 98, 050504.	2.9	167
45	Permutationally Invariant Quantum Tomography. <i>Physical Review Letters</i> , 2010, 105, 250403.	2.9	157
46	Experimental Bell-State Analysis. <i>Europhysics Letters</i> , 1994, 25, 559-564.	0.7	156
47	Experimental Observation of Four-Photon Entanglement from Parametric Down-Conversion. <i>Physical Review Letters</i> , 2003, 90, 200403.	2.9	155
48	Quantum eavesdropping without interception: an attack exploiting the dead time of single-photon detectors. <i>New Journal of Physics</i> , 2011, 13, 073024.	1.2	155
49	Four-photon entanglement from down-conversion. <i>Physical Review A</i> , 2001, 64, .	1.0	154
50	Frustrated two-photon creation via interference. <i>Physical Review Letters</i> , 1994, 72, 629-632.	2.9	148
51	Challenging local realism with human choices. <i>Nature</i> , 2018, 557, 212-216.	13.7	136
52	High speed optical quantum random number generation. <i>Optics Express</i> , 2010, 18, 13029.	1.7	131
53	Feasible Kochen-Specker Experiment with Single Particles. <i>Physical Review Letters</i> , 2000, 85, 1783-1786.	2.9	123
54	Interferometric Bell-state analysis. <i>Physical Review A</i> , 1996, 53, R1209-R1212.	1.0	120

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55	Experimental Demonstration of Four-Party Quantum Secret Sharing. <i>Physical Review Letters</i> , 2007, 98, 020503.	2.9	120
56	Using quantum key distribution for cryptographic purposes: A survey. <i>Theoretical Computer Science</i> , 2014, 560, 62-81.	0.5	116
57	Universal unitary gate for single-photon two-qubit states. <i>Physical Review A</i> , 2001, 63, .	1.0	113
58	Distributing entanglement and single photons through an intra-city, free-space quantum channel. <i>Optics Express</i> , 2005, 13, 202.	1.7	112
59	Secure communication with single-photon two-qubit states. <i>Journal of Physics A</i> , 2002, 35, L407-L413.	1.6	109
60	Nondispersive phase of the Aharonov-Bohm effect. <i>Physical Review Letters</i> , 1993, 71, 307-311.	2.9	107
61	Tapered fiber coupling of single photons emitted by a deterministically positioned single nitrogen vacancy center. <i>Applied Physics Letters</i> , 2014, 104, 031101.	1.5	105
62	Quantum Seeing in the Dark. <i>Scientific American</i> , 1996, 275, 72-78.	1.0	104
63	Experiments towards Falsification of Noncontextual Hidden Variable Theories. <i>Physical Review Letters</i> , 2000, 84, 5457-5461.	2.9	102
64	Quest for Ghz States. <i>Acta Physica Polonica A</i> , 1998, 93, 187-195.	0.2	101
65	Useful Multiparticle Entanglement and Sub-Shot-Noise Sensitivity in Experimental Phase Estimation. <i>Physical Review Letters</i> , 2011, 107, 080504.	2.9	95
66	Information leakage via side channels in freespace BB84 quantum cryptography. <i>New Journal of Physics</i> , 2009, 11, 065001.	1.2	91
67	The breakdown flash of silicon avalanche photodiodes-back door for eavesdropper attacks?. <i>Journal of Modern Optics</i> , 2001, 48, 2039-2047.	0.6	88
68	CubeSat quantum communications mission. <i>EPJ Quantum Technology</i> , 2017, 4, .	2.9	86
69	Systematic Errors in Current Quantum State Tomography Tools. <i>Physical Review Letters</i> , 2015, 114, 080403.	2.9	82
70	Measurement of Berry's phase for noncyclic evolution. <i>Physical Review Letters</i> , 1990, 64, 1318-1321.	2.9	81
71	Quantum key distribution using quantum dot single-photon emitting diodes in the red and near infrared spectral range. <i>New Journal of Physics</i> , 2012, 14, 083001.	1.2	80
72	A high-brightness source of polarization-entangled photons optimized for applications in free space. <i>Optics Express</i> , 2012, 20, 9640.	1.7	79

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73	Space-quest, experiments with quantum entanglement in space. Europhysics News, 2009, 40, 26-29.	0.1	77
74	Ultraviolet enhancement cavity for ultrafast nonlinear optics and high-rate multiphoton entanglement experiments. Nature Photonics, 2010, 4, 170-173.	15.6	77
75	All-fiber three-path Mach-Zehnder interferometer. Optics Letters, 1996, 21, 302.	1.7	75
76	Experimental Separation of Geometric and Dynamical Phases Using Neutron Interferometry. Physical Review Letters, 1997, 78, 755-759.	2.9	73
77	Permutationally invariant state reconstruction. New Journal of Physics, 2012, 14, 105001.	1.2	73
78	Long-Distance Distribution of Atom-Photon Entanglement at Telecom Wavelength. Physical Review Letters, 2020, 124, 010510.	2.9	66
79	Quantum communications at ESA: Towards a space experiment on the ISS. Acta Astronautica, 2008, 63, 165-178.	1.7	63
80	Experimental Observation of an Entire Family of Four-Photon Entangled States. Physical Review Letters, 2008, 101, 010503.	2.9	62
81	Entangling single atoms over 33km telecom fibre. Nature, 2022, 607, 69-73.	13.7	62
82	Weak value beyond conditional expectation value of the pointer readings. Physical Review A, 2017, 96, .	1.0	59
83	Analysis of a single-atom dipole trap. Physical Review A, 2006, 73, .	1.0	57
84	Collinear source of polarization-entangled photon pairs at nondegenerate wavelengths. Applied Physics Letters, 2008, 92, .	1.5	57
85	Revealing anyonic features in a toric code quantum simulation. New Journal of Physics, 2009, 11, 083010.	1.2	57
86	Satellite-based quantum communication terminal employing state-of-the-art technology. Journal of Optical Networking, 2005, 4, 549.	2.5	54
87	Multiphoton Exchange Amplitudes Observed by Neutron Interferometry. Physical Review Letters, 1995, 75, 3206-3209.	2.9	52
88	Experimental Comparison of Efficient Tomography Schemes for a Six-Qubit State. Physical Review Letters, 2014, 113, 040503.	2.9	52
89	Experimental Direct Observation of Mixed State Entanglement. Physical Review Letters, 2008, 101, 260505.	2.9	50
90	Towards Long-Distance Atom-Photon Entanglement. Physical Review Letters, 2008, 101, 260403.	2.9	49

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91	Compact source of polarization-entangled photon pairs. <i>Optics Express</i> , 2004, 12, 276.	1.7	48
92	Design and Evaluation of a Handheld Quantum Key Distribution Sender module. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 131-137.	1.9	46
93	Experimental quantum teleportation of arbitrary quantum states. <i>Applied Physics B: Lasers and Optics</i> , 1998, 67, 749-752.	1.1	43
94	Experimental quantum communication complexity. <i>Physical Review A</i> , 2005, 72, .	1.0	43
95	Extending Quantum Links: Modules for Fiber- and Memory-Based Quantum Repeaters. <i>Advanced Quantum Technologies</i> , 2020, 3, 1900141.	1.8	43
96	Nuclear order in copper: New type of antiferromagnetism in an ideal fcc system. <i>Physical Review Letters</i> , 1990, 64, 1421-1424.	2.9	42
97	Quantum technology: from research to application. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	42
98	Universality of local weak interactions and its application for interferometric alignment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2881-2890.	3.3	42
99	Free space quantum key distribution over 500 meters using electrically driven quantum dot single-photon sources—a proof of principle experiment. <i>New Journal of Physics</i> , 2014, 16, 043003.	1.2	41
100	Two-photon interference in optical fiber multiports. <i>Physical Review A</i> , 1996, 54, 893-897.	1.0	39
101	Experimental Realization of Interaction-free Measurements. <i>Annals of the New York Academy of Sciences</i> , 1995, 755, 383-393.	1.8	38
102	A posteriori teleportation. <i>Nature</i> , 1998, 394, 841-841.	13.7	38
103	The breakdown flash of silicon avalanche photodiodes—back door for eavesdropper attacks?. <i>Journal of Modern Optics</i> , 2001, 48, 2039-2047.	0.6	38
104	Space QUEST mission proposal: experimentally testing decoherence due to gravity. <i>New Journal of Physics</i> , 2018, 20, 063016.	1.2	36
105	Practical methods for witnessing genuine multi-qubit entanglement in the vicinity of symmetric states. <i>New Journal of Physics</i> , 2009, 11, 083002.	1.2	34
106	Experimental implementation of higher dimensional time-energy entanglement. <i>Applied Physics B: Lasers and Optics</i> , 2012, 106, 543-550.	1.1	34
107	Towards a Loophole-Free Test of Bell's Inequality with Entangled Pairs of Neutral Atoms. <i>Advanced Science Letters</i> , 2009, 2, 469-474.	0.2	34
108	Generation of correlated photon pairs in type-II parametric down conversion—revisited. <i>Journal of Modern Optics</i> , 2001, 48, 1997-2007.	0.6	32

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109	Experimental implementation of a four-player quantum game. <i>New Journal of Physics</i> , 2010, 12, 063031.	1.2	32
110	Long-distance free-space quantum cryptography. , 2002, 4917, 25.		31
111	Quantum teleportation and entanglement swapping with linear optics logic gates. <i>New Journal of Physics</i> , 2009, 11, 033008.	1.2	31
112	Inelastic action of a gradient radio-frequency neutron spin flipper. <i>European Physical Journal B</i> , 1988, 72, 195-201.	0.6	30
113	Free space quantum key distribution: Towards a real life application. <i>Fortschritte Der Physik</i> , 2006, 54, 840-845.	1.5	30
114	Experimental Demonstration of a Quantum Protocol for Byzantine Agreement and Liar Detection. <i>Physical Review Letters</i> , 2008, 100, 070504.	2.9	30
115	Multiqubit entanglement engineering via projective measurements. <i>Physical Review A</i> , 2009, 79, .	1.0	30
116	Multipartite entanglement analysis from random correlations. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	30
117	Three-photon W-state. <i>Journal of Modern Optics</i> , 2003, 50, 1131-1138.	0.6	29
118	Highly Efficient State-Selective Submicrosecond Photoionization Detection of Single Atoms. <i>Physical Review Letters</i> , 2010, 105, 253001.	2.9	29
119	Nonclassicality thresholds for multiqubit states: Numerical analysis. <i>Physical Review A</i> , 2010, 82, .	1.0	28
120	High-fidelity source of four-photon entanglement. <i>Applied Physics B: Lasers and Optics</i> , 2003, 77, 803-807.	1.1	27
121	Discriminating Multipartite Entangled States. <i>Physical Review Letters</i> , 2008, 100, 200407.	2.9	27
122	Entanglement Persistency of Multiphoton Entangled States. <i>Physical Review Letters</i> , 2006, 96, 100502.	2.9	26
123	Experimental quantum teleportation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1998, 356, 1733-1737.	1.6	25
124	Cavity-enhanced generation of polarization-entangled photon pairs. <i>Optics Communications</i> , 2000, 183, 133-137.	1.0	25
125	Compact all-solid-state source of polarization-entangled photon pairs. <i>Applied Physics Letters</i> , 2001, 79, 869-871.	1.5	25
126	Multipartite Entanglement Detection with Minimal Effort. <i>Physical Review Letters</i> , 2016, 117, 210504.	2.9	24

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127	High-fidelity teleportation of independent qubits. <i>Journal of Modern Optics</i> , 2000, 47, 279-289.	0.6	23
128	Experimental demonstration of complementarity with single photons. <i>Applied Physics B: Lasers and Optics</i> , 2003, 76, 113-116.	1.1	22
129	Spatial Mode Side Channels in Free-Space QKD Implementations. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 187-191.	1.9	22
130	Genuine Multipartite Entanglement without Multipartite Correlations. <i>Physical Review Letters</i> , 2015, 114, 180501.	2.9	22
131	Photonic multipartite entanglement conversion using nonlocal operations. <i>Physical Review A</i> , 2016, 94, .	1.0	21
132	Experimental Schmidt Decomposition and State Independent Entanglement Detection. <i>Physical Review Letters</i> , 2012, 108, 240501.	2.9	20
133	Loophole-free Bell test with one atom and less than one photon on average. <i>Physical Review A</i> , 2011, 84, .	1.0	19
134	On the field-dependent magnetic structures of CsCuCl ₃ . <i>Journal of Physics Condensed Matter</i> , 1994, 6, 10105-10119.	0.7	18
135	Generation of correlated photon pairs in type-II parametric down conversionâ€”revisited. <i>Journal of Modern Optics</i> , 2001, 48, 1997-2007.	0.6	18
136	Ascertaining the Values of $\langle f_x \rangle$, $\langle f_y \rangle$, and $\langle f_z \rangle$ of a Polarization Qubit. <i>Physical Review Letters</i> , 2003, 90, 177901.	2.9	18
137	Fast and compact multichannel photon coincidence unit for quantum information processing. <i>Review of Scientific Instruments</i> , 2005, 76, 123108.	0.6	18
138	Schmidtâ€”Reply:. <i>Physical Review Letters</i> , 2007, 98, .	2.9	18
139	Inelastic neutron scattering measurements on Nd ₂ Fe ₁₄ B single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 1991, 97, 210-218.	1.0	17
140	Inelastic neutron scattering measurements on Nd ₂ Fe ₁₄ B and Y ₂ Fe ₁₄ B single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 104-107, 1295-1297.	1.0	17
141	Broadband spin inversion of cold and thermal neutrons by improved radio frequency gradient flippers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1989, 275, 233-238.	0.7	16
142	Interference contrast in multisource few-photon optics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 114004.	0.6	16
143	Operational multipartite entanglement classes for symmetric photonic qubit states. <i>Physical Review A</i> , 2010, 81, .	1.0	16
144	Quantum Teleportation and Quantum Computation Based on Cavity QED. <i>Annals of the New York Academy of Sciences</i> , 1995, 755, 715-725.	1.8	15

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145	Coherence of a qubit stored in Zeeman levels of a single optically trapped atom. <i>Physical Review A</i> , 2011, 84, .	1.0	15
146	An Improved Experiment to Determine the "Past of a Particle"™ in the Nested Mach-Zehnder Interferometer. <i>Chinese Physics Letters</i> , 2017, 34, 020301.	1.3	15
147	Neutron-diffraction studies of the nuclear magnetic phase diagram of copper. <i>Physical Review B</i> , 1992, 45, 7772-7788.	1.1	14
148	Quantum Communication with Entangled Photons. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2000, 42, 489-533.	2.3	14
149	An atom and a photon. <i>Laser Physics</i> , 2007, 17, 1007-1016.	0.6	13
150	Is Haldane's singlet-triplet transition found in CsNiCl ₃ ?. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 104-107, 809-810.	1.0	11
151	The entanglement of the four-photon cluster state. <i>New Journal of Physics</i> , 2007, 9, 236-236.	1.2	11
152	Frustrated Downconversion: Virtual or Real Photons?. <i>Annals of the New York Academy of Sciences</i> , 1995, 755, 61-72.	1.8	10
153	Independent Photons and Entanglement. A Short Overview. <i>International Journal of Theoretical Physics</i> , 1999, 38, 501-517.	0.5	10
154	Identification of nonclassical states in neutron spin precession experiments. <i>Optics Communications</i> , 2000, 179, 13-18.	1.0	10
155	Impact of the slit geometry on the performance of wire-grid polarisers. <i>Optics Express</i> , 2015, 23, 32171.	1.7	10
156	Ultrasound effects and neutron scattering in UPt ₃ . <i>Physica B: Condensed Matter</i> , 1993, 186-188, 258-260.	1.3	9
157	Genuine $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle mml:mi>N\langle /mml:mi>\langle /mml:math>$ -partite entanglement without $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle mml:mi>N\langle /mml:mi>\langle /mml:math>$ -partite correlation functions. <i>Physical Review A</i> , 2017, 95,	1.0	9
158	Improved performance of neutron spin flip devices. <i>Physica B: Condensed Matter</i> , 1989, 156-157, 650-652.	1.3	8
159	Towards practical quantum cryptography. <i>Applied Physics B: Lasers and Optics</i> , 1999, 69, 389-393.	1.1	8
160	Experimental quantum secret sharing. <i>Fortschritte Der Physik</i> , 2006, 54, 831-839.	1.5	8
161	Higher dimensional entanglement without correlations. <i>European Physical Journal D</i> , 2019, 73, 1.	0.6	8
162	Brillouin scattering and dynamical diffraction of entangled photon pairs. <i>Physical Review A</i> , 1995, 52, R2531-R2534.	1.0	7

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163	Quantum communications in space. , 2004, 5161, 240.		7
164	Integrated quantum key distribution sender unit for daily-life implementations. Proceedings of SPIE, 2016, , .	0.8	7
165	Optimized state-independent entanglement detection based on a geometrical threshold criterion. Physical Review A, 2013, 88, .	1.0	6
166	Three-photon W-state. , 0, .		6
167	Influence of Ce-doping and preparation conditions on antiferromagnetism, superconductivity and electronic properties of $\text{Ln}_2\text{-}\ddagger\text{Ce}\ddagger\text{CuO}_4\text{-}\ddagger$ (Ln=Nd, Sm). Physica B: Condensed Matter, 1991, 169, 695-696.	1.3	5
168	Herzog et al.Reply. Physical Review Letters, 1994, 73, 3041-3041.	2.9	5
169	Towards high-fidelity interference of photons emitted by two remotely trapped Rb-87 atoms. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 111, 535-539.	0.2	5
170	Air to ground quantum key distribution. Proceedings of SPIE, 2012, , .	0.8	5
171	Communication system technology for demonstration of BB84 quantum key distribution in optical aircraft downlinks. Proceedings of SPIE, 2012, , .	0.8	5
172	Multiphoton Interference as a Tool to Observe Families of Multiphoton Entangled States. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 1704-1712.	1.9	4
173	Stratospheric QKD: feasibility analysis and free-space optics system concept. , 2019, , .		4
174	The phase diagram and the magnetic structure of nuclear spins in elemental copper below 60 nK. Physica B: Condensed Matter, 1992, 180-181, 29-30.	1.3	3
175	A solid state single photon source based on SiV centers in diamond. , 2007, , .		3
176	Aerospace laser communications technology as enabler for worldwide quantum key distribution. , 2016, , .		3
177	Interaction-Free Measurement of a Quantum Object: On the Breeding of "Schrödinger Cats", 1996, , 673-674.		3
178	DOMAIN STRUCTURE STUDIES OF HARDMAGNETIC MATERIALS BY NEUTRON DEPOLARIZATION. Journal De Physique Colloque, 1988, 49, C8-665-C8-666.	0.2	3
179	Polarization-entangled Photons and Quantum Dense Coding. Optics and Photonics News, 1996, 7, 14.	0.4	2
180	The power of entanglement. Physics World, 2005, 18, 47-51.	0.0	2

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181	From EPR to quantum computing: experiments on entangled quantum systems. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, S579-S588.	0.6	2
182	Free-space quantum key distribution over 144 km. , 2006, , .		2
183	Gaertner et al. Reply: Physical Review Letters, 2008, 101, .	2.9	2
184	Interferometric autocorrelation in the ultraviolet utilizing spontaneous parametric down-conversion inside an enhancement cavity. Optics Letters, 2012, 37, 1223.	1.7	2
185	Experimental multipartner quantum communication complexity employing just one qubit. Natural Computing, 2013, 12, 19-26.	1.8	2
186	Handheld Quantum Key Distribution. , 2017, , .		2
187	Temperature dependent neutron depolarization studies on hard magnetic Nd/sub 15/Fe/sub 77/B/sub 8/ alloys. IEEE Transactions on Magnetics, 1988, 24, 1632-1634.	1.2	1
188	THE NON-CYCLIC BERRY PHASE. Modern Physics Letters A, 1990, 05, 2291-2296.	0.5	1
189	Quantum communication and entanglement. , 0, , .		1
190	Multiphoton entanglement. , 2002, 4917, 45.		1
191	Quantum information. , 0, , 143-168.		1
192	Multiphoton entanglement and interferometry. Fortschritte Der Physik, 2003, 51, 273-279.	1.5	1
193	FOUR PHOTON POLARIZATION ENTANGLEMENT TESTS AND APPLICATIONS. International Journal of Quantum Information, 2004, 02, 133-147.	0.6	1
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