

L-C Kwek

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

192
papers

4,117
citations

35
h-index

57
g-index

209
ext. papers

5,150
ext. citations

3.6
avg, IF

5.52
L-index

#	Paper	IF	Citations
192	Noisy intermediate-scale quantum algorithms. <i>Reviews of Modern Physics</i> , 2022 , 94,	40.5	49
191	Space-efficient optical computing with an integrated chip diffractive neural network.. <i>Nature Communications</i> , 2022 , 13, 1044	17.4	8
190	Optimal probes for global quantum thermometry. <i>Communications Physics</i> , 2021 , 4,	5.4	7
189	Multipartite Entanglement Structure Resolution Analyzer Based on Quantum-Control-Assisted Multipartite Uncertainty Relation. <i>Annalen Der Physik</i> , 2021 , 533, 2100014	2.6	
188	Chip-based quantum key distribution. <i>AAPPS Bulletin</i> , 2021 , 31, 1		24
187	Robust semi-device-independent certification of all pure bipartite maximally entangled states via quantum steering. <i>Physical Review Research</i> , 2021 , 3,	3.9	3
186	Machine-learning engineering of quantum currents. <i>Physical Review Research</i> , 2021 , 3,	3.9	3
185	Roadmap on Atomtronics: State of the art and perspective. <i>AVS Quantum Science</i> , 2021 , 3, 039201	10.3	13
184	Optical properties of a waveguide-mediated chain of randomly positioned atoms. <i>Optics Express</i> , 2021 , 29, 1903-1917	3.3	3
183	An optical neural chip for implementing complex-valued neural network. <i>Nature Communications</i> , 2021 , 12, 457	17.4	58
182	Constant depth fault-tolerant Clifford circuits for multi-qubit large block codes. <i>Quantum Science and Technology</i> , 2020 , 5, 045007	5.5	3
181	Quantum synchronization in nanoscale heat engines. <i>Physical Review E</i> , 2020 , 101, 020201	2.4	13
180	Dynamical quantum phase transitions and non-Markovian dynamics. <i>Physical Review A</i> , 2020 , 101,	2.6	12
179	Topological pumping of quantum correlations. <i>Physical Review Research</i> , 2020 , 2,	3.9	3
178	Long-distance dissipation-assisted transport of entangled states via a chiral waveguide. <i>Physical Review Research</i> , 2020 , 2,	3.9	4
177	Synchronization boost with single-photon dissipation in the deep quantum regime. <i>Physical Review Research</i> , 2020 , 2,	3.9	7
176	Generalized measure of quantum synchronization. <i>Physical Review Research</i> , 2020 , 2,	3.9	5

175	On-Chip Continuous-Variable Quantum Key Distribution(CV-QKD) and Homodyne Detection 2020 ,		2
174	Relaxation oscillations and frequency entrainment in quantum mechanics. <i>Physical Review E</i> , 2020 , 102, 042213	2.4	10
173	Machine learning meets quantum foundations: A brief survey. <i>AVS Quantum Science</i> , 2020 , 2, 034101	10.3	10
172	Microwave transmission through an artificial atomic chain coupled to a superconducting photonic crystal. <i>Physical Review A</i> , 2019 , 99,	2.6	12
171	Nonclassical states in strongly correlated bosonic ring ladders. <i>Physical Review A</i> , 2019 , 99,	2.6	3
170	Non-Classical Correlations in π -Cycle Setting. <i>Entropy</i> , 2019 , 21,	2.8	2
169	An integrated silicon photonic chip platform for continuous-variable quantum key distribution. <i>Nature Photonics</i> , 2019 , 13, 839-842	33.9	93
168	Andreev-reflection and AharonovBohm dynamics in atomtronic circuits. <i>Quantum Science and Technology</i> , 2019 , 4, 045001	5.5	6
167	Monitoring currents in cold-atom circuis. <i>Physical Review A</i> , 2019 , 100,	2.6	5
166	Robust Self-Testing of Quantum Systems via Noncontextuality Inequalities. <i>Physical Review Letters</i> , 2019 , 122, 250403	7.4	19
165	Aharonov-Bohm effect in mesoscopic Bose-Einstein condensates. <i>Physical Review A</i> , 2019 , 100,	2.6	9
164	Topological pumping in AharonovBohm rings. <i>Communications Physics</i> , 2019 , 2,	5.4	9
163	Resolving unattainable CramerBao bounds for quantum sensors. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019 , 52, 015503	1.3	9
162	Mesoscopic VortexMeissner currents in ring ladders. <i>Quantum Science and Technology</i> , 2018 , 3, 035006	5.5	13
161	Squeezing Enhances Quantum Synchronization. <i>Physical Review Letters</i> , 2018 , 120, 163601	7.4	41
160	Synchronization of a self-sustained cold-atom oscillator. <i>Physical Review A</i> , 2018 , 97,	2.6	5
159	Two-dimensional network of atomtronic qubits. <i>Physical Review A</i> , 2018 , 97,	2.6	1
158	Readout of the atomtronic quantum interference device. <i>Physical Review A</i> , 2018 , 97,	2.6	14

157	Security analysis with improved design of post-confirmation mechanism for quantum sealed-bid auction with single photons. <i>Quantum Information Processing</i> , 2018 , 17, 1	1.6	5
156	Cluster state generation in one-dimensional Kitaev honeycomb model via shortcut to adiabaticity. <i>New Journal of Physics</i> , 2018 , 20, 045007	2.9	5
155	Photon transport mediated by an atomic chain trapped along a photonic crystal waveguide. <i>Physical Review A</i> , 2018 , 98,	2.6	25
154	Rising Above the Quantum Noise. <i>Physics Magazine</i> , 2018 , 11,	1.1	2
153	Floquet stroboscopic divisibility in non-Markovian dynamics. <i>New Journal of Physics</i> , 2018 , 20, 093004	2.9	5
152	Population mixing due to dipole-dipole interactions in a one-dimensional array of multilevel atoms. <i>Physical Review A</i> , 2018 , 98,	2.6	5
151	Focus on atomtronics-enabled quantum technologies. <i>New Journal of Physics</i> , 2017 , 19, 020201	2.9	66
150	Photon scattering by an atomic ensemble coupled to a one-dimensional nanophotonic waveguide. <i>Physical Review A</i> , 2017 , 96,	2.6	22
149	Parity-preserving light-matter system mediates effective two-body interactions. <i>Quantum Science and Technology</i> , 2017 , 2, 025007	5.5	5
148	Two-qubits Controlled-unitary Quantum Gates for Quantum Computing by Silicon Photonic Chip 2017 ,		1
147	Entanglement witness via symmetric two-body correlations. <i>Physical Review A</i> , 2016 , 93,	2.6	5
146	Beating the Clauser-Horne-Shimony-Holt and the Svetlichny games with optimal states. <i>Physical Review A</i> , 2016 , 93,	2.6	2
145	Hydrogen-plasma-induced Rapid, Low-Temperature Crystallization of μm -thick a-Si:H Films. <i>Scientific Reports</i> , 2016 , 6, 32716	4.9	13
144	Entanglement convertibility by sweeping through the quantum phases of the alternating bonds XXZ chain. <i>Scientific Reports</i> , 2016 , 6, 26453	4.9	10
143	Structure of Optimal State Discrimination in Generalized Probabilistic Theories. <i>Entropy</i> , 2016 , 18, 39	2.8	9
142	An atomtronic flux qubit: a ring lattice of Bose-Einstein condensates interrupted by three weak links. <i>New Journal of Physics</i> , 2016 , 18, 075013	2.9	14
141	Scalable quantum memory in the ultrastrong coupling regime. <i>Scientific Reports</i> , 2015 , 5, 8621	4.9	51
140	Coherent superposition of current flows in an atomtronic quantum interference device. <i>New Journal of Physics</i> , 2015 , 17, 045023	2.9	49

139	Optimal scaling of persistent currents for interacting bosons on a ring. <i>European Physical Journal: Special Topics</i> , 2015 , 224, 519-524	2.3	3
138	Creation of quantum error correcting codes in the ultrastrong coupling regime. <i>Physical Review B</i> , 2015 , 91,	3.3	25
137	Simulation and detection of photonic Chern insulators in a one-dimensional circuit-QED lattice. <i>Physical Review A</i> , 2015 , 92,	2.6	29
136	Beyond Gisin's Theorem and its Applications: Violation of Local Realism by Two-Party Einstein-Podolsky-Rosen Steering. <i>Scientific Reports</i> , 2015 , 5, 11624	4.9	9
135	Excitonic Character in Optical Properties of Tetrahedral CdX (X = S, Se, Te) Clusters. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 29171-29177	3.8	14
134	Quantum state discrimination and its applications. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015 , 48, 083001	2	86
133	Fast non-Abelian geometric gates via transitionless quantum driving. <i>Scientific Reports</i> , 2015 , 5, 18414	4.9	69
132	Measurement-based quantum computation on two-body interacting qubits with adiabatic evolution. <i>Physical Review Letters</i> , 2014 , 113, 180501	7.4	6
131	Quantum computation in noiseless subsystems with fast non-Abelian holonomies. <i>Physical Review A</i> , 2014 , 89,	2.6	62
130	Simulating Zeno physics by a quantum quench with superconducting circuits. <i>Physical Review A</i> , 2014 , 89,	2.6	8
129	Topological insulator and particle pumping in a one-dimensional shaken optical lattice. <i>Physical Review A</i> , 2014 , 90,	2.6	48
128	22qumem memory implemented on circuit quantum electrodynamics 2014 ,		3
127	Requirement of dissonance in assisted optimal state discrimination. <i>Scientific Reports</i> , 2013 , 3, 2134	4.9	18
126	Entanglement and discord in spin glass. <i>Laser Physics</i> , 2013 , 23, 025202	1.2	6
125	Coherent quantum transport in photonic lattices. <i>Physical Review A</i> , 2013 , 87,	2.6	103
124	Quantum nonlocality of massive qubits in a moving frame. <i>Physical Review A</i> , 2013 , 88,	2.6	5
123	Hardy's paradox for high-dimensional systems. <i>Physical Review A</i> , 2013 , 88,	2.6	25
122	All-versus-nothing proof of Einstein-Podolsky-Rosen steering. <i>Scientific Reports</i> , 2013 , 3, 2143	4.9	46

121	Effective dynamics of cold atoms flowing in two ring-shaped optical potentials with tunable tunneling. <i>Physical Review A</i> , 2013 , 88,	2.6	29
120	Quantum contextuality for a relativistic spin-1/2 particle. <i>Physical Review A</i> , 2013 , 87,	2.6	2
119	Universal optimal broadband photon cloning and entanglement creation in one-dimensional atoms. <i>Physical Review A</i> , 2012 , 86,	2.6	13
118	Nonadiabatic holonomic quantum computation in decoherence-free subspaces. <i>Physical Review Letters</i> , 2012 , 109, 170501	7.4	166
117	Effects of noisy quantum channels on one-qubit rotation gate. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012 , 55, 808-814	3.6	7
116	Optimal irreversible stimulated emission. <i>New Journal of Physics</i> , 2012 , 14, 083029	2.9	19
115	Quasideterministic realization of a universal quantum gate in a single scattering process. <i>Physical Review A</i> , 2012 , 85,	2.6	30
114	Realizing the multiparticle Hanbury Brown-Twiss interferometer using nitrogen-vacancy centers in diamond crystals. <i>Physical Review Letters</i> , 2012 , 108, 066803	7.4	5
113	Probing multipartite entanglement in spin chain via structure factors. <i>Laser Physics</i> , 2011 , 21, 1511-1517	1.2	1
112	Averaged Wigner-Yanase-Dyson information as a quantum uncertainty measure. <i>European Physical Journal D</i> , 2011 , 64, 147-153	1.3	11
111	Composition-Dependent Structural and Electronic Properties of $\text{[Si}_{1-x}\text{C}_x\text{]}_3\text{N}_4$. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 2448-2453	3.8	2
110	Photonic multiqubit states from a single atom. <i>Physical Review A</i> , 2011 , 83,	2.6	6
109	A single-interaction step implementation of a quantum search in coupled micro-cavities. <i>Europhysics Letters</i> , 2010 , 89, 20005	1.6	6
108	Coherent control of long-distance steady-state entanglement in lossy resonator arrays. <i>Europhysics Letters</i> , 2010 , 91, 10003	1.6	13
107	Engineering quantum cloning through maximal entanglement between boundary qubits in an open spin chain. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010 , 43, 035302	2	14
106	Separable states and geometric phases of an interacting two-spin system. <i>Physical Review A</i> , 2010 , 81,	2.6	8
105	Uncertainty relation of mixed states by means of Wigner-Yanase-Dyson information. <i>Physical Review A</i> , 2009 , 79,	2.6	15
104	Fractional spin Hall effect in atomic Bose gases. <i>Physical Review B</i> , 2009 , 79,	3.3	12

103	BERRY PHASE IN MAGNETOELECTRIC MATERIALS. <i>International Journal of Quantum Information</i> , 2009 , 07, 105-115	0.8	
102	Spin chain under next nearest neighbor interaction. <i>Journal of Physics: Conference Series</i> , 2009 , 143, 012014	1.4	8
101	A dual-colored bio-marker made of doped ZnO nanocrystals. <i>Nanotechnology</i> , 2008 , 19, 345605	3.4	33
100	CLUSTER STATE QUANTUM COMPUTATION AND THE REPEAT-UNTIL-SUCCESS SCHEME. <i>International Journal of Modern Physics B</i> , 2008 , 22, 33-43	1.1	2
99	QUANTUM SPIN CURRENT INDUCED THROUGH OPTICAL DIPOLE TRANSITION PROCESS IN SEMICONDUCTORS. <i>International Journal of Modern Physics B</i> , 2008 , 22, 44-56	1.1	
98	Generalized flying-qudit scheme in arbitrary dimensions. <i>Physical Review A</i> , 2008 , 77,	2.6	2
97	Repeat-until-success distributed quantum computation by using single-photon interference at a beam splitter. <i>Physical Review A</i> , 2008 , 78,	2.6	3
96	Berry phase under the Dzyaloshinskii-Moriya interaction. <i>Physical Review A</i> , 2008 , 77,	2.6	12
95	Correlation-function Bell inequality with improved visibility for three qubits. <i>Physical Review A</i> , 2008 , 77,	2.6	9
94	Bell inequalities for three particles. <i>Physical Review A</i> , 2008 , 78,	2.6	14
93	Manipulating atomic states via optical orbital angular-momentum. <i>Frontiers of Physics in China</i> , 2008 , 3, 113-125		7
92	Dynamical symmetry and geometric phase. <i>Physica Scripta</i> , 2007 , 75, 494-499	2.6	13
91	Scheme for unconventional geometric quantum computation in cavity QED. <i>Physical Review A</i> , 2007 , 75,	2.6	48
90	Adiabatic approximation in open systems: an alternative approach. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007 , 40, 281-291	1.3	26
89	Tightly localized stationary pulses in a multilevel atomic system. <i>Physical Review A</i> , 2007 , 75,	2.6	6
88	The hybrid quantum computer. <i>Laser Physics</i> , 2007 , 17, 1085-1088	1.2	
87	Coherent manipulation of light pulses in a multilevel atomic system. <i>Laser Physics</i> , 2007 , 17, 1089-1097	1.2	1
86	Entanglement of three qubits. <i>Laser Physics</i> , 2007 , 17, 1098-1102	1.2	1

- 85 Mixed entanglement distillation by means of parity measurements. *Laser Physics*, **2007**, 17, 1103-1108 1.2
- 84 Hybrid quantum computation based on repeat-until-success scheme. *Journal of Physics A: Mathematical and Theoretical*, **2007**, 40, 8165-8170 2
- 83 A repeat-until-success quantum computing scheme. *New Journal of Physics*, **2007**, 9, 197-197 2.9 7
- 82 Unconventional geometric quantum computation in a two-mode cavity. *Physical Review A*, **2007**, 76, 2.6 17
- 81 Quantum nonlocality of four-qubit entangled states. *Physical Review A*, **2007**, 75, 2.6 55
- 80 Optically induced spin-Hall effect in atoms. *Physical Review Letters*, **2007**, 98, 026602 7.4 98
- 79 Sufficiency criterion for the validity of the adiabatic approximation. *Physical Review Letters*, **2007**, 98, 150402 7.4 79
- 78 Quantum dot as a resource for teleportation and state swapping. *Physical Review B*, **2007**, 75, 3.3 5
- 77 Nonadiabatic geometric quantum computation. *Physical Review A*, **2007**, 76, 2.6 117
- 76 Effects of a squeezed-vacuum reservoir on geometric phase. *Physical Review A*, **2007**, 75, 2.6 36
- 75 QUANTA, CIPHERS AND COMPUTERS. *Cosmos*, **2006**, 02, 1-20 1
- 74 Experimental quantum multimeter and one-qubit fingerprinting. *Physical Review A*, **2006**, 74, 2.6 20
- 73 Violating Bell inequalities maximally for two d-dimensional systems. *Physical Review A*, **2006**, 74, 2.6 28
- 72 Geometric phase in open two-level system. *Europhysics Letters*, **2006**, 74, 958-964 1.6 47
- 71 Geometric phase in open systems: Beyond the Markov approximation and weak-coupling limit. *Physical Review A*, **2006**, 73, 2.6 35
- 70 Quantum nonlocality of N-qubit W states. *Physical Review A*, **2006**, 73, 2.6 15
- 69 Detection of colorectal cancer using time-resolved autofluorescence spectrometer **2006**, 6191, 163
- 68 Entropy of a needle in a haystack. *Laser Physics*, **2006**, 16, 393-397 1.2 1

67	Geometric phase for mixed states. <i>Laser Physics</i> , 2006 , 16, 398-401	1.2	0
66	Quantum computation based on a quantum switch in cavity QED. <i>Laser Physics</i> , 2006 , 16, 1508-1511	1.2	2
65	Kraus representation for the density operator of a qubit. <i>Laser Physics</i> , 2006 , 16, 1512-1516	1.2	6
64	Kinematic approach to off-diagonal geometric phases of nondegenerate and degenerate mixed states. <i>Physical Review A</i> , 2005 , 71,	2.6	11
63	Implementation of Evolutionary Active Force Control in a 5-Link Biped Robot. <i>Intelligent Automation and Soft Computing</i> , 2005 , 11, 167-178	2.6	1
62	High-sensitivity and specificity of laser-induced autofluorescence spectra for detection of colorectal cancer with an artificial neural network. <i>Applied Optics</i> , 2005 , 44, 4004-8	1.7	6
61	Continuous multipartite entangled state in Wigner representation and violation of the \square kowski-Brukner inequality. <i>Physical Review A</i> , 2005 , 71,	2.6	9
60	Geometric phase and entanglement for massive spin-1 particles. <i>European Physical Journal D</i> , 2005 , 33, 285-296	1.3	29
59	A BELL INEQUALITY BASED ON CORRELATION FUNCTIONS FOR THREE QUBITS. <i>International Journal of Quantum Information</i> , 2005 , 03, 53-59	0.8	1
58	Entanglement purification based on photonic polarization parity measurements. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005 , 38, 2827-2832	1.3	7
57	Multicomponent Bell inequality and its violation for continuous-variable systems. <i>Physical Review A</i> , 2005 , 71,	2.6	9
56	Electronic entanglement purification scheme enhanced by charge detections. <i>Physical Review A</i> , 2005 , 71,	2.6	36
55	Quantitative conditions do not guarantee the validity of the adiabatic approximation. <i>Physical Review Letters</i> , 2005 , 95, 110407	7.4	104
54	Quantum tomographic cryptography with Bell diagonal states: Nonequivalence of classical and quantum distillation protocols. <i>Physical Review A</i> , 2005 , 71,	2.6	6
53	Experimental quantum cloning with prior partial information. <i>Physical Review Letters</i> , 2005 , 94, 040505	7.4	106
52	A UNIVERSAL QUANTUM ESTIMATOR. <i>International Journal of Quantum Information</i> , 2005 , 03, 123-132	0.8	
51	Quantum nonlocality of Heisenberg XX model with site-dependent coupling strength. <i>Journal of Physics A</i> , 2004 , 37, 11475-11483		2
50	Kinematic approach to the mixed state geometric phase in nonunitary evolution. <i>Physical Review Letters</i> , 2004 , 93, 080405	7.4	240

49	Quantum cryptography: Security criteria reexamined. <i>Physical Review A</i> , 2004 , 70,	2.6	10
48	Quantum tunneling time. <i>Physical Review A</i> , 2004 , 69,	2.6	11
47	Asymmetric multipartite Greenberger-Horne-Zeilinger states and Bell inequalities. <i>Physical Review A</i> , 2004 , 70,	2.6	1
46	Coincidence bell inequality for three three-dimensional systems. <i>Physical Review Letters</i> , 2004 , 92, 250404	4.4	33
45	Operator-sum representation of time-dependent density operators and its applications. <i>Physical Review A</i> , 2004 , 69,	2.6	16
44	Security of quantum key distributions with entangled qudits. <i>Physical Review A</i> , 2004 , 69,	2.6	72
43	GEOMETRIC PHASE OF DICKE STATE OF EXCITONS IN N COUPLED QUANTUM DOTS. <i>Modern Physics Letters B</i> , 2004 , 18, 1433-1440	1.6	3
42	Distance and angular dependence of intensity ratios in laser-induced autofluorescence techniques. <i>Medical Physics</i> , 2004 , 31, 1072-5	4.4	2
41	Gisin's theorem for three qubits. <i>Physical Review Letters</i> , 2004 , 93, 140407	7.4	68
40	Statistical reconstruction of qutrits. <i>Physical Review A</i> , 2004 , 70,	2.6	56
39	General formalism of Hamiltonians for realizing a prescribed evolution of a qubit. <i>Physical Review A</i> , 2003 , 68,	2.6	2
38	Application of Active Force Control and Iterative Learning in a 5-Link Biped Robot. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2003 , 37, 143-162	2.9	22
37	Nonlinear squeezed states. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2003 , 5, 383-386		17
36	Quantum cryptography based on qutrit Bell inequalities. <i>Physical Review A</i> , 2003 , 67,	2.6	52
35	Quartic anharmonic oscillator and non-Hermiticity. <i>Physical Review A</i> , 2003 , 67,	2.6	16
34	Geometric phase for entangled states of two spin-1/2 particles in rotating magnetic field. <i>Journal of Physics A</i> , 2003 , 36, 1149-1157		40
33	Relation between geometric phases of entangled bipartite systems and their subsystems. <i>Physical Review A</i> , 2003 , 68,	2.6	39
32	Direct estimation of functionals of density operators by local operations and classical communication. <i>Physical Review A</i> , 2003 , 68,	2.6	28

31	Direct estimations of linear and nonlinear functionals of a quantum state. <i>Physical Review Letters</i> , 2002 , 88, 217901	7.4	225
30	Clauser-Horne inequality for three-state systems. <i>Physical Review A</i> , 2002 , 65,	2.6	81
29	Multipartite bound entanglement and three-setting Bell inequalities. <i>Physical Review A</i> , 2002 , 66,	2.6	20
28	WRINGING OUT NEW BELL INEQUALITIES FOR THREE-DIMENSIONAL SYSTEMS (QUTRITS). <i>Modern Physics Letters A</i> , 2002 , 17, 2231-2237	1.3	13
27	EVOLUTIONARY ACTIVE FORCE CONTROL OF A 5-LINK BIPED ROBOT 2002 ,		1
26	Noisy quantum game. <i>Physical Review A</i> , 2002 , 65,	2.6	30
25	Three-qutrit correlations violate local realism more strongly than those of three qubits. <i>Physical Review A</i> , 2002 , 66,	2.6	21
24	Cohomologies and peripheric chains. <i>European Physical Journal D</i> , 2001 , 51, 1374-1379		3
23	Solving the anharmonic oscillator problem with theSU(2) group. <i>Journal of Physics A</i> , 2001 , 34, 8889-8899		7
22	SUPERSTRINGS, GAUGE FIELDS AND BLACK HOLES. <i>International Journal of Modern Physics A</i> , 2001 , 16, 2605-2663	1.2	1
21	Non-classical effects of two-mode photon-added displaced squeezed states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001 , 34, 1059-1078	1.3	26
20	Transmission of classical information via quantum entanglement. <i>Journal of Modern Optics</i> , 2001 , 48, 1781-1790	1.1	
19	Entangled three-state systems violate local realism more strongly than qubits: An analytical proof. <i>Physical Review A</i> , 2001 , 64,	2.6	49
18	Noncyclic phase for neutrino oscillation. <i>Physical Review D</i> , 2001 , 63,	4.9	19
17	Yangians and transition operators. <i>European Physical Journal D</i> , 2000 , 50, 1229-1234		4
16	Bures fidelity for diagonalizable quadratic Hamiltonians in multi-mode systems. <i>Journal of Physics A</i> , 2000 , 33, 4925-4934		9
15	Analytic expression for exact-ground-state energy based on an operator method for a class of anharmonic potentials. <i>Physical Review A</i> , 2000 , 62,	2.6	8
14	Buz ek-Hillery cloning revisited using the bures metric and trace norm. <i>Physical Review A</i> , 2000 , 62,	2.6	11

13	Quantum and classical geometric phase of the time-dependent harmonic oscillator. <i>Physical Review A</i> , 2000 , 62,	2.6	13
12	Unified approach for exactly solvable potentials in quantum mechanics using shift operators. <i>Physical Review A</i> , 2000 , 62,	2.6	7
11	Quantum Jeffreys prior for displaced squeezed thermal states. <i>Journal of Physics A</i> , 1999 , 32, 6613-6618		9
10	Proton and pion structure functions in the improved valon model. <i>Physical Review D</i> , 1999 , 59,	4.9	9
9	Some comments on q-deformed oscillators and q-deformed su(2) algebras. <i>European Physical Journal C</i> , 1998 , 5, 189-193	4.2	2
8	General approach to functional forms for the exponential quadratic operators in coordinate-momentum space. <i>Journal of Physics A</i> , 1998 , 31, 4329-4336		11
7	Bures fidelity of displaced squeezed thermal states. <i>Physical Review A</i> , 1998 , 58, 4186-4190	2.6	13
6	Some comments on q-deformed oscillators and q-deformed su(2) algebras 1998 , 5, 189		1
5	Two-state spectral-free solutions of the Frenkel-Moore simplex equation. <i>Journal of Physics A</i> , 1995 , 28, 6877-6886		
4	A labelling scheme for higher-dimensional simplex equations. <i>Journal of Physics A</i> , 1995 , 28, L521-L524		
3	Phase diffusion and the small-noise approximation in linear amplifiers: Limitations and beyond. <i>Quantum - the Open Journal for Quantum Science</i> , 3, 200		3
2	Hitting statistics from quantum jumps. <i>Quantum - the Open Journal for Quantum Science</i> , 1, 19		0
1	Universal Quantum Multi-Qubit Entangling Gates with Auxiliary Spaces. <i>Advanced Quantum Technologies</i> , 2100136	4.3	3