

Vladimir Buzek

List of Publications by Year in descending order

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191
papers

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26548

107
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198
all docs

198
docs citations

198
times ranked

3966
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum secret sharing. Physical Review A, 1999, 59, 1829-1834.	1.0	2,632
2	Quantum copying: Beyond the no-cloning theorem. Physical Review A, 1996, 54, 1844-1852.	1.0	904
3	Universal state inversion and concurrence in arbitrary dimensions. Physical Review A, 2001, 64, .	1.0	634
4	Superpositions of coherent states: Squeezing and dissipation. Physical Review A, 1992, 45, 6570-6585.	1.0	376
5	Properties of displaced number states. Physical Review A, 1990, 41, 2645-2652.	1.0	281
6	Schrödinger-cat states in the resonant Jaynes-Cummings model: Collapse and revival of oscillations of the photon-number distribution. Physical Review A, 1992, 45, 8190-8203.	1.0	246
7	Thermalizing Quantum Machines: Dissipation and Entanglement. Physical Review Letters, 2002, 88, 097905.	2.9	237
8	Universal Algorithm for Optimal Estimation of Quantum States from Finite Ensembles via Realizable Generalized Measurement. Physical Review Letters, 1998, 80, 1571-1575.	2.9	217
9	Optimal manipulations with qubits: Universal-NOT gate. Physical Review A, 1999, 60, R2626-R2629.	1.0	198
10	Universal Optimal Cloning of Arbitrary Quantum States: From Qubits to Quantum Registers. Physical Review Letters, 1998, 81, 5003-5006.	2.9	177
11	Optimal Quantum Clocks. Physical Review Letters, 1999, 82, 2207-2210.	2.9	159
12	Quantum copying: A network. Physical Review A, 1997, 56, 3446-3452.	1.0	158
13	Experimental realization of the quantum universal NOT gate. Nature, 2002, 419, 815-818.	13.7	152
14	Dynamics of open quantum systems initially entangled with environment: Beyond the Kraus representation. Physical Review A, 2001, 64, .	1.0	149
15	SU(1,1) Squeezing of SU(1,1) Generalized Coherent States. Journal of Modern Optics, 1990, 37, 303-316.	0.6	146
16	Intrinsic decoherence in the atom-field interaction. Physical Review A, 1993, 48, 3900-3905.	1.0	145
17	Jaynes-Cummings model with intensity-dependent coupling interacting with Holstein-Primakoff SU(1,1) coherent state. Physical Review A, 1989, 39, 3196-3199.	1.0	144
18	I: Quantum Interference, Superposition States of Light, and Nonclassical Effects. Progress in Optics, 1995, 34, 1-158.	0.4	142

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19	Diluting quantum information: An analysis of information transfer in system-reservoir interactions. <i>Physical Review A</i> , 2002, 65, .	1.0	134
20	Sampling entropies and operational phase-space measurement. I. General formalism. <i>Physical Review A</i> , 1995, 51, 2575-2593.	1.0	129
21	Entangled webs: Tight bound for symmetric sharing of entanglement. <i>Physical Review A</i> , 2000, 62, .	1.0	127
22	Dynamics of a two-level atom in a Kerr-like medium. <i>Optics Communications</i> , 1990, 78, 425-435.	1.0	116
23	Towards quantum-based privacy and voting. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 349, 75-81.	0.9	115
24	Schrödinger-cat states at finite temperature: Influence of a finite-temperature heat bath on quantum interferences. <i>Physical Review A</i> , 1992, 46, 4239-4251.	1.0	110
25	Generalized coherent state for bosonic realization of $SU(2)$ Lie algebra. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1989, 6, 2447.	0.9	105
26	Quantum-information distributors: Quantum network for symmetric and asymmetric cloning in arbitrary dimension and continuous limit. <i>Physical Review A</i> , 2001, 63, .	1.0	99
27	The origin of squeezing in a superposition of coherent states. <i>Optics Communications</i> , 1991, 81, 331-336.	1.0	96
28	No-Signaling Condition and Quantum Dynamics. <i>Physical Review Letters</i> , 2001, 87, 170405.	2.9	94
29	Quantum collapses and revivals in an optical cavity. <i>Physical Review A</i> , 1991, 44, 6092-6096.	1.0	93
30	Nonclassical fields in a linear directional coupler. <i>Physical Review A</i> , 1991, 43, 6323-6336.	1.0	89
31	All (qubit) decoherences: Complete characterization and physical implementation. <i>Physical Review A</i> , 2005, 72, .	1.0	89
32	Description of Quantum Dynamics of Open Systems Based on Collision-Like Models. <i>Open Systems and Information Dynamics</i> , 2005, 12, 81-91.	0.5	87
33	Broadcasting of entanglement via local copying. <i>Physical Review A</i> , 1997, 55, 3327-3332.	1.0	81
34	Simulation of indivisible qubit channels in collision models. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 154006.	0.6	80
35	Cold trapped ions as quantum information processors. <i>Journal of Modern Optics</i> , 2002, 49, 1593-1647.	0.6	79
36	Quantum-information approach to the Ising model: Entanglement in chains of qubits. <i>Physical Review A</i> , 2004, 70, .	1.0	79

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37	Coherent states in a finite-dimensional basis: Their phase properties and relationship to coherent states of light. <i>Physical Review A</i> , 1992, 45, 8079-8094.	1.0	78
38	Cavity QED with cold trapped ions. <i>Physical Review A</i> , 1997, 56, 2352-2360.	1.0	76
39	Quantum-controlled measurement device for quantum-state discrimination. <i>Physical Review A</i> , 2002, 66, .	1.0	73
40	Quantum copying: Fundamental inequalities. <i>Physical Review A</i> , 1997, 56, 1212-1216.	1.0	70
41	Probabilistic implementation of universal quantum processors. <i>Physical Review A</i> , 2002, 65, .	1.0	70
42	Photon statistics of superposition states in phase-sensitive reservoirs. <i>Physical Review A</i> , 1993, 47, 610-619.	1.0	64
43	Instability and Entanglement of the Ground State of the Dicke Model. <i>Physical Review Letters</i> , 2005, 94, 163601.	2.9	64
44	Three-level atoms in phase-sensitive broadband correlated reservoirs. <i>Physical Review A</i> , 1991, 44, 1931-1947.	1.0	62
45	Multiparticle entanglement with quantum logic networks: Application to cold trapped ions. <i>Physical Review A</i> , 2001, 64, .	1.0	62
46	Quantum searches on highly symmetric graphs. <i>Physical Review A</i> , 2009, 79, .	1.0	60
47	Reconstruction of Quantum States of Spin Systems: From Quantum Bayesian Inference to Quantum Tomography. <i>Annals of Physics</i> , 1998, 266, 454-496.	1.0	59
48	K-Photon Coherent States. <i>Journal of Modern Optics</i> , 1990, 37, 159-163.	0.6	58
49	Statistical and phase properties of displaced Kerr states. <i>Physical Review A</i> , 1991, 44, 7647-7656.	1.0	57
50	Reconstruction of Wigner Functions on Different Observation Levels. <i>Annals of Physics</i> , 1996, 245, 37-97.	1.0	57
51	Entanglement swapping of noisy states: A kind of superadditivity in nonclassicality. <i>Physical Review A</i> , 2005, 72, .	1.0	55
52	Sampling entropies and operational phase-space measurement. II. Detection of quantum coherences. <i>Physical Review A</i> , 1995, 51, 2594-2601.	1.0	53
53	Quantum walks with random phase shifts. <i>Physical Review A</i> , 2006, 74, .	1.0	52
54	Macroscopic Superposition States of Light Via Two-photon Resonant Interaction of Atoms with Cavity Field. <i>Journal of Modern Optics</i> , 1993, 40, 1309-1324.	0.6	50

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55	Concurrence versus purity: Influence of local channels on Bell states of two qubits. <i>Physical Review A</i> , 2005, 72, .	1.0	48
56	Mode entanglement in nondegenerate down-conversion with quantized pump. <i>Physical Review A</i> , 1993, 48, 569-579.	1.0	47
57	Numerical simulations of atomic decay in cavities and material media. <i>Physical Review A</i> , 1999, 60, 582-592.	1.0	47
58	Light Squeezing in the Jaynes-Cummings Model with Intensity-dependent Coupling. <i>Journal of Modern Optics</i> , 1989, 36, 1151-1162.	0.6	43
59	Quantum Walks. <i>Acta Physica Slovaca</i> , 2011, 61, .	1.4	43
60	Wigner-function description of quantum teleportation in arbitrary dimensions and a continuous limit. <i>Physical Review A</i> , 2001, 64, .	1.0	42
61	Dynamics of a Q -analogue of the Quantum Harmonic Oscillator. <i>Journal of Modern Optics</i> , 1991, 38, 801-812.	0.6	41
62	The Jaynes-Cummings Model with a Q Analogue of a Coherent State. <i>Journal of Modern Optics</i> , 1992, 39, 949-959.	0.6	41
63	Interaction of Superpositions of Coherent States of Light with Two-level Atoms. <i>Journal of Modern Optics</i> , 1992, 39, 1441-1459.	0.6	39
64	Entangled graphs: Bipartite entanglement in multiqubit systems. <i>Physical Review A</i> , 2003, 67, .	1.0	39
65	Entanglement, purity, and energy: Two qubits versus two modes. <i>Physical Review A</i> , 2006, 74, .	1.0	39
66	Programmable quantum-state discriminators with simple programs. <i>Physical Review A</i> , 2006, 73, .	1.0	39
67	Toward protocols for quantum-ensured privacy and secure voting. <i>Physical Review A</i> , 2011, 84, .	1.0	39
68	Propensities in discrete phase spaces: Q -function of a state in a finite-dimensional Hilbert space. <i>Physical Review A</i> , 1995, 52, 2419-2428.	1.0	38
69	Parametrized discrete phase-space functions. <i>Physical Review A</i> , 1996, 53, 3822-3835.	1.0	37
70	Multiphoton Coherent States and the Linear Superposition Principle. <i>Journal of Modern Optics</i> , 1993, 40, 771-783.	0.6	36
71	Quantum state reconstruction and detection of quantum coherences on different observation levels. <i>Physical Review A</i> , 1996, 54, 804-820.	1.0	36
72	Power broadening and shifts of micromaser lineshapes. <i>Optics Communications</i> , 1991, 85, 267-274.	1.0	35

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73	Searching via walking: How to find a marked clique of a complete graph using quantum walks. Physical Review A, 2010, 81, .	1.0	34
74	Implementation of quantum maps by programmable quantum processors. Physical Review A, 2002, 66, .	1.0	33
75	Efficient compression of quantum information. Physical Review A, 2010, 81, .	1.0	32
76	Correlation-assisted quantum communication. Physical Review A, 2003, 67, .	1.0	31
77	Reconstruction of Liouvillian superoperators. Physical Review A, 1998, 58, 1723-1727.	1.0	29
78	Finding structural anomalies in graphs by means of quantum walks. Physical Review A, 2010, 82, .	1.0	29
79	Amplification of superposition states in phase-sensitive amplifiers. Physical Review A, 1993, 47, 4302-4307.	1.0	28
80	Dynamics of open systems governed by the Milburn equation. Physical Review A, 1998, 58, 1735-1739.	1.0	28
81	Optimal manipulations with qubits: Universal quantum entanglers. Physical Review A, 2000, 62, .	1.0	26
82	Approximate programmable quantum processors. Physical Review A, 2006, 73, .	1.0	26
83	Emission spectra for the Jaynes-Cummings model with intensity-dependent coupling. Journal of the European Optical Society Part B: Quantum Optics, 1990, 2, 147-158.	1.2	25
84	Jaynes-Cummings model with intensity-dependent coupling interacting with squeezed vacuum. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 139, 231-235.	0.9	24
85	Entanglement swapping between multi-qudit systems. Journal of Physics A, 2001, 34, 4301-4311.	1.6	24
86	Unambiguous identification of coherent states: Searching a quantum database. Physical Review A, 2007, 76, .	1.0	23
87	Periodic revivals of squeezing in an anharmonic-oscillator model with coherent light. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 136, 188-192.	0.9	22
88	Interaction of a three-level atom with an SU(2) coherent state. Physical Review A, 1991, 44, 2003-2012.	1.0	22
89	Signal-pump entanglement in quantum-k-photon down-conversion. Physical Review A, 1993, 47, 1237-1246.	1.0	22
90	Quantum tomography via the MaxEnt principle. Journal of Modern Optics, 2000, 47, 2823-2839.	0.6	22

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91	Realization of positive-operator-valued measures using measurement-assisted programmable quantum processors. <i>Physical Review A</i> , 2005, 72, .	1.0	22
92	Quantum walks as a probe of structural anomalies in graphs. <i>Physical Review A</i> , 2012, 85, .	1.0	22
93	Emission Spectra of a Two-level Atom in a Kerr-like Medium. <i>Journal of Modern Optics</i> , 1991, 38, 987-996.	0.6	21
94	Reconstruction of quantum states from propensities. <i>Quantum and Semiclassical Optics: Journal of the European Optical Society Part B</i> , 1997, 9, 631-653.	1.0	21
95	Scattering model for quantum random walks on a hypercube. <i>Physical Review A</i> , 2005, 71, .	1.0	21
96	Difference-phase squeezing from amplitude squeezing by means of a beamsplitter. <i>Quantum and Semiclassical Optics: Journal of the European Optical Society Part B</i> , 1996, 8, 1041-1051.	1.0	20
97	Quantum-state synthesis of multimode bosonic fields: Preparation of arbitrary states of two-dimensional vibrational motion of trapped ions. <i>Physical Review A</i> , 1998, 58, 2481-2487.	1.0	20
98	Saturation of Coffmanâ€Kunduâ€Wootters inequalities via quantum homogenization. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2003, 5, S439-S441.	1.4	20
99	Entanglement-induced state ordering under local operations. <i>Physical Review A</i> , 2006, 73, .	1.0	19
100	Dynamics of an excited two-level atom in the presence of $N-1$ unexcited atoms in the free space. <i>Physical Review A</i> , 1989, 39, 2232-2235.	1.0	17
101	Quantum phase distributions of amplified SchrÃdinger-cat states of light. <i>Physical Review A</i> , 1993, 48, 3394-3397.	1.0	17
102	Unambiguous comparison of ensembles of quantum states. <i>Physical Review A</i> , 2008, 77, .	1.0	17
103	N -level Atom Interacting with Single-mode Radiation Field: An Exactly Solvable Model with Multiphoton Transitions and Intensity-dependent Coupling. <i>Journal of Modern Optics</i> , 1990, 37, 1033-1053.	0.6	16
104	Fundamental limit on energy transfer in n -photon down-conversion. <i>Physical Review A</i> , 1994, 50, 3492-3499.	1.0	16
105	Purification and correlated measurements of bipartite mixed states. <i>Physical Review A</i> , 2002, 65, .	1.0	16
106	Improving the performance of probabilistic programmable quantum processors. <i>Physical Review A</i> , 2004, 69, .	1.0	16
107	6 Quantum Tomography from Incomplete Data via MaxEnt Principle. <i>Lecture Notes in Physics</i> , 0, , 189-234.	0.3	16
108	Time evolution of an anharmonic oscillator in an initial Holstein-Primakoff $SU(1,1)$ coherent state. <i>Physical Review A</i> , 1989, 39, 5432-5435.	1.0	15

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109	SQUEEZING PROPERTIES OF COUPLED NONLINEAR OSCILLATORS. International Journal of Modern Physics B, 1990, 04, 659-676.	1.0	15
110	Quantum Parrondo's game with random strategies. Journal of Modern Optics, 2007, 54, 2275-2287.	0.6	15
111	Heisenberg picture operator solution for the Jaynes-Cummings model with intensity-dependent coupling. Journal of the European Optical Society Part B: Quantum Optics, 1989, 1, 53-60.	1.2	14
112	Sub-Poissonian photon statistics in time-dependent collective resonance fluorescence. Physical Review A, 1990, 41, 6425-6428.	1.0	14
113	Flocks of Quantum Clones: Multiple Copying of Qubits. Fortschritte Der Physik, 1998, 46, 521-533.	1.5	14
114	Direct versus measurement-assisted bipartite entanglement in multiqubit systems and their dynamical generation in spin systems. Physical Review A, 2005, 72, .	1.0	14
115	Probabilistic programmable quantum processors with multiple copies of program states. Physical Review A, 2005, 71, .	1.0	14
116	Process reconstruction: From unphysical to physical maps via maximum likelihood. Physical Review A, 2005, 72, .	1.0	14
117	Light squeezing in the two-photon Jaynes-Cummings model: far-off-resonant limit. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 151, 234-240.	0.9	13
118	Quantum synthesis of arbitrary unitary operators. Physical Review A, 2000, 61, .	1.0	13
119	Singlet states and the estimation of eigenstates and eigenvalues of an unknown controlled-Ugate. Physical Review A, 2001, 64, .	1.0	13
120	Decay of Quantum Coherences Under the Influence of a Thermal Heatbath. Journal of Modern Optics, 1992, 39, 1609-1614.	0.6	12
121	Reconstruction of motional states of neutral atoms via maximum entropy principle. Physical Review A, 2002, 65, .	1.0	12
122	Quantum interference with molecules: The role of internal states. Physical Review A, 2005, 71, .	1.0	12
123	Quantum simulations of optical systems. Journal of Modern Optics, 1999, 46, 1343-1367.	0.6	11
124	Scavenging quantum information: Multiple observations of quantum systems. Physical Review A, 2011, 84, .	1.0	11
125	On the non-linear Jaynes-Cummings model: The path-integral approach. European Physical Journal D, 1989, 39, 757-765.	0.4	10
126	Programmable Quantum Gate Arrays. Fortschritte Der Physik, 2001, 49, 987.	1.5	10

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127	Quantum homogenization for continuous variables: Realization with linear optical elements. Physical Review A, 2002, 66, .	1.0	10
128	Entangled graphs. II. Classical correlations in multiqubit entangled systems. Physical Review A, 2003, 68, .	1.0	10
129	Operational phase distributions via displaced squeezed states. Journal of Modern Optics, 1996, 43, 1633-1651.	0.6	9
130	Entangling atoms in photonic crystals. European Physical Journal D, 2000, 10, 285.	0.6	9
131	Quantum cloning. Physics World, 2001, 14, 25-30.	0.0	9
132	Simulation of generators of Markovian dynamics on programmable quantum processors. European Physical Journal D, 2006, 37, 275-281.	0.6	9
133	Programmable Quantum Processors. Quantum Information Processing, 2006, 5, 313-420.	1.0	9
134	Generalized measurements via a programmable quantum processor. Physical Review A, 2003, 68, .	1.0	8
135	Unambiguous identification of coherent states. II. Multiple resources. Physical Review A, 2009, 79, .	1.0	8
136	Universal Optimal Cloning of Qubits and Quantum Registers. Lecture Notes in Computer Science, 1999, , 235-246.	1.0	8
137	Squeezing of Spectral Components in the Jaynes-Cummings Model. Journal of Modern Optics, 1991, 38, 1559-1566.	0.6	7
138	Quantum disentanglement and phase measurements. European Physical Journal D, 1995, 45, 711-725.	0.4	7
139	Quantum homogenization and state randomization in semiquantal spin systems. Physical Review A, 2008, 77, .	1.0	7
140	Thermodynamic model of social influence on two-dimensional square lattice: Case for two features. Physica A: Statistical Mechanics and Its Applications, 2015, 420, 200-211.	1.2	7
141	Equally distant, partially entangled alphabet states for quantum channels. Physical Review A, 2000, 62, .	1.0	6
142	On the Local Unitary Equivalence of States of Multi-partite Systems. Fortschritte Der Physik, 2001, 49, 1123.	1.5	6
143	Nonmaximally entangled bases and their application in entanglement purification via swapping. Physical Review A, 2005, 71, .	1.0	6
144	Spontaneous emission of light from a crystal. European Physical Journal D, 1989, 39, 345-352.	0.4	5

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145	Statistical properties of spectrum components in the Jaynes-Cummings model. Optics Communications, 1990, 78, 274-278.	1.0	5
146	Multiple observations of quantum clocks. Physical Review A, 2000, 62, .	1.0	5
147	REALIZATION OF UNITARY MAPS VIA PROBABILISTIC PROGRAMMABLE QUANTUM PROCESSORS. International Journal of Quantum Information, 2003, 01, 527-541.	0.6	5
148	Reconstruction of Superoperators from Incomplete Measurements. Foundations of Physics, 2006, 36, 127-156.	0.6	5
149	Open system dynamics of simple collision models. , 2010, , .		5
150	Squeezing by nondegenerate four-wave mixing in a system of three-level atoms: effects of the thermal field. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 1487.	0.9	4
151	Quantum disentanglers. Physical Review A, 2000, 62, .	1.0	4
152	Simon, Bužek, and Gisin Reply:. Physical Review Letters, 2003, 90, .	2.9	4
153	Controlling bi-partite entanglement in multi-qubit systems. Journal of Physics A, 2004, 37, 1843-1859.	1.6	4
154	Process reconstruction from incomplete and/or inconsistent data. European Physical Journal D, 2005, 32, 215-222.	0.6	4
155	Bužek, Orszag, and Rožko Reply:. Physical Review Letters, 2006, 96, .	2.9	4
156	When non-Gaussian states are Gaussian: Generalization of nonseparability criterion for continuous variables. Physical Review A, 2006, 74, .	1.0	4
157	Quantum machines. Contemporary Physics, 2009, 50, 575-586.	0.8	4
158	Optimal unambiguous comparison of two unknown squeezed vacua. Physical Review A, 2011, 83, .	1.0	4
159	Quantum tomography via the MaxEnt principle. Journal of Modern Optics, 2000, 47, 2823-2839.	0.6	4
160	Spontaneous emission from a system of nonidentical two-level atoms. European Physical Journal D, 1988, 38, 1164-1173.	0.4	3
161	Fluorescence from N three-level atoms in an ideal cavity. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, 121-129.	0.6	3
162	Quantum statistics of grey-body radiation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 239, 1-5.	0.9	3

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163	Stimulated emission via quantum interference: scattering of one-photon packets on an atom in a ground state. <i>Journal of Modern Optics</i> , 2000, 47, 851-860.	0.6	3
164	Probabilistic programmable quantum processors. <i>Fortschritte Der Physik</i> , 2004, 52, 1056-1063.	1.5	3
165	Publisher's Note: Realization of positive-operator-valued measures using measurement-assisted programmable quantum processors [Phys. Rev.72, 022343 (2005)]. <i>Physical Review A</i> , 2005, 72, .	1.0	3
166	Application of quantum algorithms to the study of permutations and group automorphisms. <i>Physical Review A</i> , 2007, 76, .	1.0	3
167	Amplitude-squared squeezing in collective resonance fluorescence. <i>Optics Communications</i> , 1990, 76, 47-50.	1.0	2
168	The interaction of an atom with a sub-Poissonian single field mode. <i>European Physical Journal D</i> , 1992, 42, 975-984.	0.4	2
169	Generation of phase-sensitive nonclassical effects via decay of light into a phase-insensitive environment. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 186, 283-288.	0.9	2
170	Microscopic description of information transfer from a qudit to reservoir. <i>Fortschritte Der Physik</i> , 2003, 51, 280-287.	1.5	2
171	Security of the private quantum channel. <i>Journal of Modern Optics</i> , 2003, 50, 1071-1077.	0.6	2
172	ENCRYPTION OF QUANTUM INFORMATION. <i>International Journal of Foundations of Computer Science</i> , 2003, 14, 741-755.	0.8	2
173	Realization of the optimal universal quantum entangler. <i>Physical Review A</i> , 2004, 70, .	1.0	2
174	Quantum Information with Atoms, Ions and Photons. <i>European Physical Journal D</i> , 2005, 32, 159-159.	0.6	2
175	Universality and Optimality of Programmable Quantum Processors. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2006, 26, 277-291.	0.4	2
176	Production of Macroscopic Schrödinger Cat States from Weak Quantized Cavity Fields Interacting with Atoms Driven by Classical Fields. <i>Journal of Modern Optics</i> , 1994, 41, 1625-1635.	0.6	1
177	Multipartite EPR states. <i>Molecular Physics</i> , 2008, 106, 497-508.	0.8	1
178	Recycling of qubits. <i>Physica Scripta</i> , 2010, T140, 014059.	1.2	1
179	Equivalent programmable quantum processors. <i>Optics Communications</i> , 2010, 283, 822-826.	1.0	1
180	Direct estimation of decoherence rates. <i>Physical Review A</i> , 2012, 86, .	1.0	1

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181	Optimal Manipulations with Quantum Information: Universal Quantum Machines. , 2003, , 47-84.		1
182	Optimal Quantum Clocks. , 2005, , 477-486.		1
183	Conditional measurements in micromasers: Role of counter-rotating processes. European Physical Journal D, 1996, 46, 1049-1061.	0.4	0
184	<title>Quantum state reconstruction and optimal manipulations with quantum information (1996 IOC) Tj ETQq0 0 0 rgBT /Oylock 10		
185	<title>Optimal manipulations with qubits: universal quantum cloning and universal logical NOT operation</title>. , 1999, , .		0
186	<title>Quantum safe with classical key: physics of open systems from the point view of information theory</title>. , 2002, 4888, 109.		0
187	Simulation of exponential decay on simple quantum circuits: a case study. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, S329-S332.	1.4	0
188	Bounds on action of local quantum channels. Journal of Physics A, 2005, 38, 6051-6064.	1.6	0
189	Estimation of Potentially Unphysical Maps. Open Systems and Information Dynamics, 2006, 13, 255-262.	0.5	0
190	Reconstruction of quantum states of spin systems via the Jaynes principle of maximum entropy. Journal of Modern Optics, 1997, 44, 2607-2627.	0.6	0
191	Optimal Approximation of Nonphysical Maps via Maximum Likelihood Estimation. , 0, , 513-532.		0