Vladimir I. Man'ko

List of Publications by Year
in descending order

451 papers	9,193 citations	66343 42 h-index	60623 81 g-index
456 all docs	456 docs citations	456 times ranked	2212 citing authors

#	Article	IF	Citations
1	f-oscillators and nonlinear coherent states. Physica Scripta, 1997, 55, 528-541.	2.5	479
2	Symplectic tomography as classical approach to quantum systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 213, 1-6.	2.1	409
3	Dynamical symmetry of vibronic transitions in polyatomic molecules and the Franck-Condon principle. Journal of Molecular Spectroscopy, 1977, 64, 302-326.	1.2	355
4	Generalized uncertainty relation and correlated coherent states. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 79, 150-152.	2.1	258
5	Ponderomotive control of quantum macroscopic coherence. Physical Review A, 1997, 55, 3042-3050.	2.5	245
6	Positive distribution description for spin states. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 229, 335-339.	2.1	242
7	Coherent states and the resonance of a quantum damped oscillator. Physical Review A, 1979, 20, 550-560.	2.5	216
8	Spin state tomography. Journal of Experimental and Theoretical Physics, 1997, 85, 430-434.	0.9	215
9	Dynamical symmetry of vibronic transitions in polyatomic molecules and the Franck-Condon principle. Journal of Molecular Spectroscopy, 1975, 56, 1-20.	1.2	191
10	Quantum states in probability representation and tomography. Journal of Russian Laser Research, 1997, 18, 407-444.	0.6	183
11	Classical-like description of quantum dynamics by means of symplectic tomography. Foundations of Physics, 1997, 27, 801-824.	1.3	179
12	Generation of squeezed states in a resonator with a moving wall. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 149, 225-228.	2.1	129
13	Hilbert-Schmidt distance and non-classicality of states in quantum optics. Journal of Modern Optics, 2000, 47, 633-654.	1.3	122
14	Integrals of the motion, green functions, and coherent states of dynamical systems. International Journal of Theoretical Physics, 1975, 14, 37-54.	1.2	120
15	Non-commutative time-frequency tomography. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 263, 53-61.	2.1	116
16	Photon distribution for one-mode mixed light with a generic Gaussian Wigner function. Physical Review A, 1994, 49, 2993-3001.	2.5	98
17	Photon statistics of multimode even and odd coherent light. Physical Review A, 1994, 50, 1942-1945.	2.5	94
18	A probabilistic operator symbol framework for quantum information. Journal of Russian Laser Research, 2006, 27, 507-532.	0.6	89

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19	Multidimensional Hermite polynomials and photon distribution for polymode mixed light. Physical Review A, 1994, 50, 813-817.	2.5	88
20	Star-Product of Generalized Wignerâ€"Weyl Symbols on SU(2) Group, Deformations, and Tomographic Probability Distribution. Physica Scripta, 2000, 62, 446-452.	2.5	85
21	Density matrix from photon number tomography. Europhysics Letters, 1997, 37, 79-84.	2.0	82
22	Non-classical properties of states generated by the excitations of even/odd coherent states of light. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1996, 8, 413-427.	0.9	80
23	Even and odd coherent states for multimode parametric systems. Physical Review A, 1995, 51, 3328-3336.	2.5	78
24	Lyapunov exponent in quantum mechanics. A phase-space approach. Physica D: Nonlinear Phenomena, 2000, 145, 330-348.	2.8	76
25	Correlation functions of quantum q-oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 176, 173-175.	2.1	75
26	Dynamical squeezing of photon-added coherent states. Physical Review A, 1998, 58, 4087-4094.	2.5	71
27	Classical and quantum Fisher information in the geometrical formulation of quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4801-4803.	2.1	71
28	Single qudit realization of the Deutsch algorithm using superconducting many-level quantum circuits. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1409-1413.	2.1	71
29	Star products, duality and double Lie algebras. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 360, 522-532.	2.1	68
30	Probability Description and Entropy of Classical andÂQuantum Systems. Foundations of Physics, 2011, 41, 330-344.	1.3	61
31	Exact propagators for time-dependent Coulomb, delta and other potentials. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 162, 359-364.	2.1	60
32	Quantum nonstationary oscillator: Models and applications. Journal of Russian Laser Research, 1995, 16, 1-56.	0.6	57
33	Classical formulation of quantum mechanics. Journal of Russian Laser Research, 1996, 17, 579-584.	0.6	56
34	Nonstationary Casimir effect and oscillator energy level shift. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 142, 511-513.	2.1	55
35	Metric on the space of quantum states from relative entropy. Tomographic reconstruction. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 335302.	2.1	53
36	On the coherent states, displacement operators and quasidistributions associated with deformed quantum oscillators. Journal of Optics B: Quantum and Semiclassical Optics, 2000, 2, 718-725.	1.4	52

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37	Diffraction in time in terms of Wigner distributions and tomographic probabilities. Physical Review A, 1999, 59, 1809-1815.	2.5	51
38	Quantum control and the Strocchi map. Physical Review A, 2003, 67, .	2.5	48
39	Towards higher precision and operational use of optical homodyne tomograms. Physical Review A, 2012, 85, .	2.5	48
40	New uncertainty relations for tomographic entropy: application to squeezed states and solitons. European Physical Journal B, 2006, 52, 191-198.	1.5	47
41	Triangle Geometry of the Qubit State in the Probability Representation Expressed in Terms of the Triada of Malevichâ€™s Squares. Journal of Russian Laser Research, 2017, 38, 141-149.	0.6	45
42	Energy-sensitive and â€œClassical-likeâ€•Distances between Quantum States. Physica Scripta, 1999, 59, 81-89.	2.5	44
43	New relations for twoâ€‘dimensional Hermite polynomials. Journal of Mathematical Physics, 1994, 35, 4277-4294.	1.1	42
44	The quantum strong subadditivity condition for systems without subsystems. Physica Scripta, 2014, T160, 014030.	2.5	42
45	Properties of squeezed-state excitations. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1997, 9, 381-409.	0.9	41
46	Time-dependent invariants and Green functions in the probability representation of quantum mechanics. Physical Review A, 1998, 57, 3291-3303.	2.5	41
47	Different realizations of the tomographic principle in quantum state measurement. Journal of Modern Optics, 1997, 44, 2281-2292.	1.3	40
48	Classical Mechanics Is not the Ä§, Â 0 Limit of Quantum Mechanics. Journal of Russian Laser Research, 2004, 25, 477-492.	0.6	39
49	The nonstationary Casimir effect and quantum systems with moving boundaries. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S1-S1.	1.4	39
50	Geometrical squeezed states of a charged particle in a time-dependent magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 188, 232-238.	2.1	37
51	Wigner's Problem and Alternative Commutation Relations for Quantum Mechanics. International Journal of Modern Physics B, 1997, 11, 1281-1296.	2.0	37
52	Probability Representation of Quantum Observables and Quantum States. Journal of Russian Laser Research, 2017, 38, 324-333.	0.6	37
53	Probability-Representation Entropy for Spin-State Tomogram. Journal of Russian Laser Research, 2004, 25, 115-122.	0.6	35
54	Generalized Qubit Portrait of the Qutrit-State Density Matrix. Journal of Russian Laser Research, 2013, 34, 383-387.	0.6	35

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55	Triangle Geometry for Qutrit States in the Probability Representation. Journal of Russian Laser Research, 2017, 38, 416-425.	0.6	35
56	The density matrix of the canonically transformed multidimensional Hamiltonian in the Fock basis. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1984, 83, 145-161.	0.2	34
57	Photon statistics of a two-mode squeezed vacuum. Physical Review A, 1993, 48, 2398-2406.	2.5	34
58	Phase space distributions and a duality symmetry for star products. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 334, 1-11.	2.1	34
59	Generalized tomographic maps. Physical Review A, 2008, 77, .	2.5	34
60	Description and measurement of observables in the optical tomographic probability representation of quantum mechanics. Physical Review A, 2012, 85, .	2.5	34
61	Properties of Nonnegative Hermitian Matrices and New Entropic Inequalities for Noncomposite Quantum Systems. Entropy, 2015, 17, 2876-2894.	2.2	34
62	Tomography of two-particle spin states. Journal of Experimental and Theoretical Physics, 1998, 87, 239-245.	0.9	33
63	Quantum singular oscillator as a model of a two-ion trap: An amplification of transition probabilities due to small-time variations of the binding potential. Physical Review A, 1998, 57, 2851-2858.	2.5	33
64	Spin States and Probability Distribution Functions. Journal of Russian Laser Research, 1998, 19, 340-368.	0.6	33
65	Qubit portrait of qudit states and Bell inequalities. Journal of Russian Laser Research, 2007, 28, 103-124.	0.6	33
66	Entanglement Structure of the Adjoint Representation of the Unitary Group and Tomography of Quantum States. Journal of Russian Laser Research, 2003, 24, 507-543.	0.6	32
67	Phase space eigenfunctions of multidimensional quadratic hamiltonians. Physica A: Statistical Mechanics and Its Applications, 1986, 137, 306-316.	2.6	31
68	Quantum computation by quantumlike systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 288, 132-138.	2.1	31
69	Probability representation of the quantum evolution and energy-level equations for optical tomograms. Journal of Russian Laser Research, 2011, 32, 74-85.	0.6	31
70	Probability Representation of Quantum States. Entropy, 2021, 23, 549.	2.2	31
71	Supersymmetry and a time-dependent Landau system. Physical Review A, 1993, 48, 951-963.	2.5	30
72	Partial positive scaling transform: a separability criterion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 339, 194-206.	2.1	30

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73	Inverse spin-s portrait and representation of qudit states by single probability vectors. Journal of Russian Laser Research, 2010, 31, 32-54.	0.6	29
74	The green function of the stationary schrÃ¶dinger equation for a particle in a uniform magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1975, 51, 133-134.	2.1	28
75	Photon number oscillation in correlated light. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 134, 211-216.	2.1	28
76	Quantumlike corrections and semiclassical description of charged-particle beam transport. Physical Review E, 1998, 58, 992-1001.	2.1	28
77	Quantum Tomography, Wave Packets, and Solitons. Journal of Russian Laser Research, 2004, 25, 1-29.	0.6	28
78	Optical tomography of photon-added coherent states, even and odd coherent states, and thermal states. Physical Review A, 2011, 83, .	2.5	28
79	Symmetric informationally complete positive operator valued measure and probability representation of quantum mechanics. Journal of Russian Laser Research, 2010, 31, 211-231.	0.6	27
80	Crystallized schrÃ¶dinger cat states. Journal of Russian Laser Research, 1995, 16, 477-525.	0.6	26
81	New Entropic Inequalities and Hidden Correlations in Quantum Suprematism Picture of Qudit States. Entropy, 2018, 20, 692.	2.2	26
82	Geometry and Entanglement of Two-Qubit States in the Quantum Probabilistic Representation. Entropy, 2018, 20, 630.	2.2	26
83	A Possible Experimental Check of the Uncertainty Relations by Means of Homodyne Measuring Field Quadrature. Advanced Science Letters, 2009, 2, 517-520.	0.2	26
84	Qubit portraits of qudit states and quantum correlations. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 13091-13100.	2.1	25
85	Semigroup of positive maps for qudit states and entanglement in tomographic probability representation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6490-6497.	2.1	25
86	The franckâ€"condon principle and sum rules for vibronic transitions in polyatomic molecules. Chemical Physics Letters, 1977, 46, 183-187.	2.6	24
87	The Jordanâ€"Schwinger representations of Cayleyâ€"Klein groups. I. The orthogonal groups. Journal of Mathematical Physics, 1990, 31, 1047-1053.	1.1	24
88	Quantum limits in interferometric gravitational-wave antennas in the presence of even and odd coherent states. Physical Review A, 1994, 49, 2151-2156.	2.5	24
89	A Charged Particle in an Electric Field in the Probability Representation of Quantum Mechanics. Journal of Russian Laser Research, 2001, 22, 545-560.	0.6	24
90	Thermal noise and oscillations of the photon distribution for squeezed and correlated light. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 185, 231-237.	2.1	23

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91	Role of semiclassical description in the quantumlike theory of light rays. Physical Review E, 1999, 60, 6042-6050.	2.1	23
92	Does the uncertainty relation determine the quantum state?. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 357, 255-260.	2.1	23
93	Inequalities for nonnegative numbers and information properties of qudit tomograms. Journal of Russian Laser Research, 2013, 34, 203-218.	0.6	23
94	Wigner functions of quadratic systems. Physica A: Statistical Mechanics and Its Applications, 1982, 115, 215-231.	2.6	22
95	Time-dependent oscillator with Kronig-Penney excitation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 175, 1-4.	2.1	22
96	On the tomographic picture of quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2614-2617.	2.1	22
97	From quantum carpets to quantum suprematism—the probability representation of qudit states and hidden correlations. Physica Scripta, 2018, 93, 084002.	2.5	22
98	Excitations of a nonstationary asymmetrical singular oscillator. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1974, 24, 46-56.	0.2	21
99	Time-dependent mode coupling and generation of two-mode squeezed states. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 157, 226-228.	2.1	21
100	Full phase-space analysis of particle beam transport in the thermal wave model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 209, 263-276.	2.1	21
101	Wigner's problem for a precessing magnetic dipole. Physical Review A, 1997, 56, 1126-1130.	2.5	21
102	On the relation between Schrödinger and von Neumann equations. Journal of Russian Laser Research, 1999, 20, 421-437.	0.6	21
103	The survival of quantum coherence in deformed-states superposition. Europhysics Letters, 2001, 54, 586-591.	2.0	21
104	Tomographic-probability description of solitons in Bose-Einstein condensates. European Physical Journal B, 2003, 36, 385-390.	1.5	21
105	Tomograms in the quantum–classical transition. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 343, 251-266.	2.1	21
106	Tomography in Abstract Hilbert Spaces. Open Systems and Information Dynamics, 2006, 13, 239-253.	1.2	21
107	Radon transform on the cylinder and tomography of a particle on the circle. Physical Review A, 2007, 76, .	2.5	21
108	A transformational property of the Husimi function and its relation to the wigner function and symplectic tomograms. Theoretical and Mathematical Physics(Russian Federation), 2011, 166, 356-368.	0.9	21

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109	Testing Entropic Inequalities for Superconducting Qudits. Journal of Russian Laser Research, 2015, 36, 448-457.	0.6	21
110	The Dushinsky effect and sum rules for vibronic transitions in polyatomic molecules. Journal of Molecular Spectroscopy, 1979, 77, 178-194.	1.2	20
111	â€œClassicalâ€•propagator and path integral in the probability representation of quantum mechanics. Journal of Russian Laser Research, 1999, 20, 67-76.	0.6	20
112	Probability Representation and New Entropic Uncertainty Relations for Symplectic and Optical Tomograms. Acta Physica Hungarica A Heavy Ion Physics, 2006, 26, 71-77.	0.4	20
113	Subadditivity Condition for Spin Tomograms and Density Matrices of Arbitrary Composite and Noncomposite Qudit Systems. Journal of Russian Laser Research, 2014, 35, 278-290.	0.6	20
114	Quantum suprematism picture of Triada of Malevichâ€™s squares for spin states and the parametric oscillator evolution in the probability representation of quantum mechanics. Journal of Physics: Conference Series, 2018, 1071, 012008.	0.4	20
115	God Plays Coins or Superposition Principle for Classical Probabilities in Quantum Suprematism Representation of Qubit States. Journal of Russian Laser Research, 2018, 39, 128-139.	0.6	20
116	Low energy wave packet tunneling from a parabolic potential well through a high potential barrier. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 220, 41-48.	2.1	19
117	Radon transform of the Wheeler-De Witt equation and tomography of quantum states of the universe. General Relativity and Gravitation, 2005, 37, 99-114.	2.0	19
118	Statistical properties of SchrÃ¶dinger real and imaginary cat states. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 199, 123-130.	2.1	18
119	Wave-optics applications in charged-particle-beam transport. Journal of Russian Laser Research, 2000, 21, 1-33.	0.6	18
120	Controlling potential traps for filtering solitons in Bose-Einstein condensates. JETP Letters, 2004, 80, 535-539.	1.4	18
121	Tomographic characteristics of spin states. Journal of Russian Laser Research, 2006, 27, 132-166.	0.6	18
122	New inequalities for tomograms in the probability representation of quantum states. Theoretical and Mathematical Physics(Russian Federation), 2007, 152, 1081-1086.	0.9	18
123	Measuring microwave quantum states: Tomogram and moments. Physical Review A, 2011, 84, .	2.5	18
124	Strong oscillations of cumulants of photon distribution function in slightly squeezed states. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 193, 209-217.	2.1	17
125	The classification of two-particle spin states and generalized Bell inequalities. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 281, 278-288.	2.1	17
126	Spin tomography and star-product kernel for qubits and qutrits. Journal of Russian Laser Research, 2009, 30, 129-145.	0.6	17

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127	Two-particle spin states and generalized Bell's inequalities. JETP Letters, 2000, 72, 93-96.	1.4	16
128	Wigner Functions and Spin Tomograms for Qubit States. Journal of Russian Laser Research, 2014, 35, 3-13.	0.6	16
129	Hidden Quantum Correlations in Single Qudit Systems€. Journal of Russian Laser Research, 2015, 36, 301-311.	0.6	16
130	The Jordan–Schwinger representations of Cayley–Klein groups. II. The unitary groups. Journal of Mathematical Physics, 1990, 31, 1054-1059.	1.1	15
131	Contractions of the irreducible representations of the quantum algebras suq(2) and soq(3). Journal of Mathematical Physics, 1992, 33, 1374-1378.	1.1	15
132	Inner composition law of pure states as a purification of impure states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 273, 31-36.	2.1	15
133	Photon distribution in nonlinear coherent states. Journal of Russian Laser Research, 2000, 21, 305-316.	0.6	15
134	Tomography of solitons. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, 95-104.	1.4	15
135	Quantum transitions in the center-of-mass tomographic probability representation. Physical Review A, 2005, 71, .	2.5	15
136	Symplectic entropy. Journal of Physics: Conference Series, 2007, 70, 012007.	0.4	15
137	Tomographic representation of minisuperspace quantum cosmology and noether symmetries. General Relativity and Gravitation, 2008, 40, 2627-2647.	2.0	15
138	Frame transforms, star products and quantum mechanics on phase space. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 285304.	2.1	15
139	New Inequality for Density Matrices of Single Qudit States. Journal of Russian Laser Research, 2014, 35, 457-461.	0.6	15
140	Wigner functions of a particle in a time-dependent uniform field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 102, 295-297.	2.1	14
141	Quantum tomography of spin states and the Einstein-Podolsky-Rosen paradox. Journal of Optics B: Quantum and Semiclassical Optics, 2000, 2, 122-125.	1.4	14
142	Wigner Distributions and Phase Space in Optics. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2000, 17, 2274.	1.5	14
143	Tomographic entropic inequalities in the probability representation of quantum mechanics. , 2012, , .		14
144	Entanglement and other quantum correlations of a single qudit state. International Journal of Quantum Information, 2014, 12, 1560006.	1.1	14

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145	Tomographic discord for a system of two coupled nanoelectric circuits. Physica Scripta, 2015, 90, 055101.	2.5	14
146	Dynamics of a harmonic oscillator coupled with a Glauber amplifier. Physica Scripta, 2020, 95, 024004.	2.5	14
147	SU(2) Symmetry of Qubit States and Heisenberg–Weyl Symmetry of Systems with Continuous Variables in the Probability Representation of Quantum Mechanics. Symmetry, 2020, 12, 1099.	2.2	14
148	Quantum properties of high-Qmacroscopic resonators. Soviet Journal of Quantum Electronics, 1980, 10, 1232-1238.	0.1	13
149	Classically equivalent Hamiltonians and ambiguities of quantization: A particle in a magnetic field. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1982, 69, 185-205.	0.2	13
150	Tomography for Several Particles with One Random Variable. Journal of Russian Laser Research, 2003, 24, 237-255.	0.6	13
151	A tomographic approach to quantum nonlocality. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, S333-S338.	1.4	13
152	Squeeze tomography of quantum states. Journal of Physics A, 2004, 37, 8529-8544.	1.6	13
153	Robustness of raw quantum tomography. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 861-866.	2.1	13
154	Finite Phase Space, Wigner Functions, and Tomography for Two-Qubit States. Journal of Russian Laser Research, 2014, 35, 427-436.	0.6	13
155	Maps of Matrices and Portrait Maps of the Density Operators of Composite and Noncomposite Systems. Journal of Russian Laser Research, 2014, 35, 298-306.	0.6	13
156	Correlations in a system of classical-like coins simulating spin-1/2 states in the probability representation of quantum mechanics. European Physical Journal D, 2019, 73, 1.	1.3	13
157	Quantum evolution of the localized state. Physica A: Statistical Mechanics and Its Applications, 1990, 168, 1055-1072.	2.6	12
158	Schrödinger-cat states in Paul traps. Physical Review A, 1997, 55, 1208-1216.	2.5	12
159	Quantum probability measure for parametric oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 318, 287-291.	2.1	12
160	Separability and Entanglement of the Qudit X-State with j = 3/2. Journal of Russian Laser Research, 2014, 35, 518-524.	0.6	12
161	Differential Parametric Formalism for the Evolution of Gaussian States: Nonunitary Evolution and Invariant States. Entropy, 2020, 22, 586.	2.2	12
162	Invariants and nonequilibrium density matrices. Journal of Statistical Physics, 1977, 16, 357-370.	1.2	11

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163	q-nonlinearity of electromagnetic field and formfactor of electric charge. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 191, 13-17.	2.1	11
164	Probability Distributions and Hilbert Spaces: Quantum and Classical Systems. Physica Scripta, 1999, 60, 111-116.	2.5	11
165	1D stability analysis of filtering and controlling the solitons in Bose-Einstein condensates. European Physical Journal B, 2006, 54, 113-119.	1.5	11
166	Tomographic Entropy and New Entropic Uncertainty Relations. AIP Conference Proceedings, 2007, , .	0.4	11
167	Wave function of the harmonic oscillator in classical statistical mechanics. Journal of Russian Laser Research, 2007, 28, 535-547.	0.6	11
168	Geometrical interpretation of the density matrix: Mixed and entangled states. Journal of Russian Laser Research, 2008, 29, 564-580.	0.6	11
169	A generalized Wigner function on the space of irreducible representations of the Weylâ€"Heisenberg group and its transformation properties. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 155302.	2.1	11
170	A tomographic analysis of reflectometry data: I. Component factorization. Measurement Science and Technology, 2009, 20, 105501.	2.6	11
171	Deformed Subadditivity Condition for Qudit States and Hybrid Positive Maps. Journal of Russian Laser Research, 2014, 35, 509-517.	0.6	11
172	Quantizerâ€"dequantizer operators as a tool for formulating the quantization procedure. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126349.	2.1	11
173	Different realizations of the tomographic principle in quantum state measurement. Journal of Modern Optics, 1997, 44, 2281-2292.	1.3	11
174	Center of mass tomography for reconstructing quantum states of multipartite systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 328, 419-431.	2.1	10
175	Entropy and information characteristics of qubit states. Journal of Russian Laser Research, 2008, 29, 505-519.	0.6	10
176	Symplectic tomography of ultracold gases in tight waveguides. Physical Review A, 2008, 78, .	2.5	10
177	Moyal and tomographic probability representations for f-oscillator quantum states. Physica Scripta, 2010, 81, 045004.	2.5	10
178	Evolution equation of the optical tomogram for arbitrary quantum Hamiltonian and optical tomography of relativistic classical and quantum systems. Journal of Russian Laser Research, 2011, 32, 338-351.	0.6	10
179	Tomographic Discord and Quantum Correlations in a System of Qubits. Journal of Russian Laser Research, 2013, 34, 463-467.	0.6	10
180	On pseudo-stochastic matrices and pseudo-positive maps. Physica Scripta, 2015, 90, 115202.	2.5	10

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181	Hidden Bell Correlations in the Four-Level Atomâ€. Journal of Russian Laser Research, 2016, 37, 1-9.	0.6	10
182	Probability Representation of Quantum States as a Renaissance of Hidden Variablesâ€" God Plays Coins. Journal of Russian Laser Research, 2019, 40, 107-120.	0.6	10
183	Star-Product Formalism for the Probability and Mean-Value Representations of Qudits. Journal of Russian Laser Research, 2020, 41, 470-483.	0.6	10
184	Observables, interference phenomenon and Bornâ€™s rule in the probability representation of quantum mechanics. International Journal of Quantum Information, 2020, 18, 1941021.	1.1	10
185	Coherent state evolution for the quantum anharmonic oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 90, 165-168.	2.1	9
186	q-deformed Brownian motion. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 180, 39-42.	2.1	9
187	Beyond the standard `marginalizations' of the Wigner function. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1997, 9, 987-994.	0.9	9
188	Collective Spontaneous Emission in a q-Deformed Dicke Model. Modern Physics Letters B, 1998, 12, 403-411.	1.9	9
189	Equivalence of two forms of the solution to the SchrÃ¶dinger equation for a particle passing through a grating. Journal of Russian Laser Research, 2005, 26, 94-108.	0.6	9
190	Tomographic entropy and cosmology. General Relativity and Gravitation, 2008, 40, 1449-1465.	2.0	9
191	Quantum Fourier transform and tomographic RÃ©nyi entropic inequalities. Theoretical and Mathematical Physics(Russian Federation), 2009, 160, 995-1005.	0.9	9
192	Qubit portrait of the photon-number tomogram and separability of two-mode light states. Journal of Russian Laser Research, 2009, 30, 55-72.	0.6	9
193	Remarks on the star product of functions on finite and compact groups. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 401-408.	2.1	9
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