

Vladimir I. Man'ko

List of Publications by Year in descending order

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451
papers

9,193
citations

66234

42
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81
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456
all docs

456
docs citations

456
times ranked

2212
citing authors

#	ARTICLE	IF	CITATIONS
1	f-oscillators and nonlinear coherent states. <i>Physica Scripta</i> , 1997, 55, 528-541.	1.2	479
2	Symplectic tomography as classical approach to quantum systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 213, 1-6.	0.9	409
3	Dynamical symmetry of vibronic transitions in polyatomic molecules and the Franck-Condon principle. <i>Journal of Molecular Spectroscopy</i> , 1977, 64, 302-326.	0.4	355
4	Generalized uncertainty relation and correlated coherent states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1980, 79, 150-152.	0.9	258
5	Ponderomotive control of quantum macroscopic coherence. <i>Physical Review A</i> , 1997, 55, 3042-3050.	1.0	245
6	Positive distribution description for spin states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 229, 335-339.	0.9	242
7	Coherent states and the resonance of a quantum damped oscillator. <i>Physical Review A</i> , 1979, 20, 550-560.	1.0	216
8	Spin state tomography. <i>Journal of Experimental and Theoretical Physics</i> , 1997, 85, 430-434.	0.2	215
9	Dynamical symmetry of vibronic transitions in polyatomic molecules and the Franck-Condon principle. <i>Journal of Molecular Spectroscopy</i> , 1975, 56, 1-20.	0.4	191
10	Quantum states in probability representation and tomography. <i>Journal of Russian Laser Research</i> , 1997, 18, 407-444.	0.3	183
11	Classical-like description of quantum dynamics by means of symplectic tomography. <i>Foundations of Physics</i> , 1997, 27, 801-824.	0.6	179
12	Generation of squeezed states in a resonator with a moving wall. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990, 149, 225-228.	0.9	129
13	Hilbert-Schmidt distance and non-classicality of states in quantum optics. <i>Journal of Modern Optics</i> , 2000, 47, 633-654.	0.6	122
14	Integrals of the motion, green functions, and coherent states of dynamical systems. <i>International Journal of Theoretical Physics</i> , 1975, 14, 37-54.	0.5	120
15	Non-commutative time-frequency tomography. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 263, 53-61.	0.9	116
16	Photon distribution for one-mode mixed light with a generic Gaussian Wigner function. <i>Physical Review A</i> , 1994, 49, 2993-3001.	1.0	98
17	Photon statistics of multimode even and odd coherent light. <i>Physical Review A</i> , 1994, 50, 1942-1945.	1.0	94
18	A probabilistic operator symbol framework for quantum information. <i>Journal of Russian Laser Research</i> , 2006, 27, 507-532.	0.3	89

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19	Multidimensional Hermite polynomials and photon distribution for polymode mixed light. <i>Physical Review A</i> , 1994, 50, 813-817.	1.0	88
20	Star-Product of Generalized Wigner-Weyl Symbols on SU(2) Group, Deformations, and Tomographic Probability Distribution. <i>Physica Scripta</i> , 2000, 62, 446-452.	1.2	85
21	Density matrix from photon number tomography. <i>Europhysics Letters</i> , 1997, 37, 79-84.	0.7	82
22	Non-classical properties of states generated by the excitations of even/odd coherent states of light. <i>Quantum and Semiclassical Optics: Journal of the European Optical Society Part B</i> , 1996, 8, 413-427.	1.0	80
23	Even and odd coherent states for multimode parametric systems. <i>Physical Review A</i> , 1995, 51, 3328-3336.	1.0	78
24	Lyapunov exponent in quantum mechanics. A phase-space approach. <i>Physica D: Nonlinear Phenomena</i> , 2000, 145, 330-348.	1.3	76
25	Correlation functions of quantum q-oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 176, 173-175.	0.9	75
26	Dynamical squeezing of photon-added coherent states. <i>Physical Review A</i> , 1998, 58, 4087-4094.	1.0	71
27	Classical and quantum Fisher information in the geometrical formulation of quantum mechanics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4801-4803.	0.9	71
28	Single qudit realization of the Deutsch algorithm using superconducting many-level quantum circuits. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 1409-1413.	0.9	71
29	Star products, duality and double Lie algebras. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 360, 522-532.	0.9	68
30	Probability Description and Entropy of Classical and Quantum Systems. <i>Foundations of Physics</i> , 2011, 41, 330-344.	0.6	61
31	Exact propagators for time-dependent Coulomb, delta and other potentials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 162, 359-364.	0.9	60
32	Quantum nonstationary oscillator: Models and applications. <i>Journal of Russian Laser Research</i> , 1995, 16, 1-56.	0.3	57
33	Classical formulation of quantum mechanics. <i>Journal of Russian Laser Research</i> , 1996, 17, 579-584.	0.3	56
34	Nonstationary Casimir effect and oscillator energy level shift. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1989, 142, 511-513.	0.9	55
35	Metric on the space of quantum states from relative entropy. <i>Tomographic reconstruction. Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 335302.	0.7	53
36	On the coherent states, displacement operators and quasidistributions associated with deformed quantum oscillators. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2000, 2, 718-725.	1.4	52

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37	Diffraction in time in terms of Wigner distributions and tomographic probabilities. <i>Physical Review A</i> , 1999, 59, 1809-1815.	1.0	51
38	Quantum control and the Strocchi map. <i>Physical Review A</i> , 2003, 67, .	1.0	48
39	Towards higher precision and operational use of optical homodyne tomograms. <i>Physical Review A</i> , 2012, 85, .	1.0	48
40	New uncertainty relations for tomographic entropy: application to squeezed states and solitons. <i>European Physical Journal B</i> , 2006, 52, 191-198.	0.6	47
41	Triangle Geometry of the Qubit State in the Probability Representation Expressed in Terms of the Triada of Malevich's Squares. <i>Journal of Russian Laser Research</i> , 2017, 38, 141-149.	0.3	45
42	Energy-sensitive and "Classical-like" Distances between Quantum States. <i>Physica Scripta</i> , 1999, 59, 81-89.	1.2	44
43	New relations for two-dimensional Hermite polynomials. <i>Journal of Mathematical Physics</i> , 1994, 35, 4277-4294.	0.5	42
44	The quantum strong subadditivity condition for systems without subsystems. <i>Physica Scripta</i> , 2014, T160, 014030.	1.2	42
45	Properties of squeezed-state excitations. <i>Quantum and Semiclassical Optics: Journal of the European Optical Society Part B</i> , 1997, 9, 381-409.	1.0	41
46	Time-dependent invariants and Green functions in the probability representation of quantum mechanics. <i>Physical Review A</i> , 1998, 57, 3291-3303.	1.0	41
47	Different realizations of the tomographic principle in quantum state measurement. <i>Journal of Modern Optics</i> , 1997, 44, 2281-2292.	0.6	40
48	Classical Mechanics Is not the $\hbar \rightarrow 0$ Limit of Quantum Mechanics. <i>Journal of Russian Laser Research</i> , 2004, 25, 477-492.	0.3	39
49	The nonstationary Casimir effect and quantum systems with moving boundaries. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, S1-S1.	1.4	39
50	Geometrical squeezed states of a charged particle in a time-dependent magnetic field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 188, 232-238.	0.9	37
51	Wigner's Problem and Alternative Commutation Relations for Quantum Mechanics. <i>International Journal of Modern Physics B</i> , 1997, 11, 1281-1296.	1.0	37
52	Probability Representation of Quantum Observables and Quantum States. <i>Journal of Russian Laser Research</i> , 2017, 38, 324-333.	0.3	37
53	Probability-Representation Entropy for Spin-State Tomogram. <i>Journal of Russian Laser Research</i> , 2004, 25, 115-122.	0.3	35
54	Generalized Qubit Portrait of the Qutrit-State Density Matrix. <i>Journal of Russian Laser Research</i> , 2013, 34, 383-387.	0.3	35

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55	Triangle Geometry for Qutrit States in the Probability Representation. Journal of Russian Laser Research, 2017, 38, 416-425.	0.3	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.	1.0	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.	0.9	34
59	Generalized tomographic maps. Physical Review A, 2008, 77, .	1.0	34
60	Description and measurement of observables in the optical tomographic probability representation of quantum mechanics. Physical Review A, 2012, 85, .	1.0	34
61	Properties of Nonnegative Hermitian Matrices and New Entropic Inequalities for Noncomposite Quantum Systems. Entropy, 2015, 17, 2876-2894.	1.1	34
62	Tomography of two-particle spin states. Journal of Experimental and Theoretical Physics, 1998, 87, 239-245.	0.2	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.	1.0	33
64	Spin States and Probability Distribution Functions. Journal of Russian Laser Research, 1998, 19, 340-368.	0.3	33
65	Qubit portrait of qudit states and Bell inequalities. Journal of Russian Laser Research, 2007, 28, 103-124.	0.3	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.	0.3	32
67	Phase space eigenfunctions of multidimensional quadratic hamiltonians. Physica A: Statistical Mechanics and Its Applications, 1986, 137, 306-316.	1.2	31
68	Quantum computation by quantumlike systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 288, 132-138.	0.9	31
69	Probability representation of the quantum evolution and energy-level equations for optical tomograms. Journal of Russian Laser Research, 2011, 32, 74-85.	0.3	31
70	Probability Representation of Quantum States. Entropy, 2021, 23, 549.	1.1	31
71	Supersymmetry and a time-dependent Landau system. Physical Review A, 1993, 48, 951-963.	1.0	30
72	Partial positive scaling transform: a separability criterion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 339, 194-206.	0.9	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.	0.3	29
74	The green function of the stationary schrödinger equation for a particle in a uniform magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1975, 51, 133-134.	0.9	28
75	Photon number oscillation in correlated light. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 134, 211-216.	0.9	28
76	Quantumlike corrections and semiclassical description of charged-particle beam transport. Physical Review E, 1998, 58, 992-1001.	0.8	28
77	Quantum Tomography, Wave Packets, and Solitons. Journal of Russian Laser Research, 2004, 25, 1-29.	0.3	28
78	Optical tomography of photon-added coherent states, even and odd coherent states, and thermal states. Physical Review A, 2011, 83, .	1.0	28
79	Symmetric informationally complete positive operator valued measure and probability representation of quantum mechanics. Journal of Russian Laser Research, 2010, 31, 211-231.	0.3	27
80	Crystallized schrödinger cat states. Journal of Russian Laser Research, 1995, 16, 477-525.	0.3	26
81	New Entropic Inequalities and Hidden Correlations in Quantum Suprematism Picture of Qudit States. Entropy, 2018, 20, 692.	1.1	26
82	Geometry and Entanglement of Two-Qubit States in the Quantum Probabilistic Representation. Entropy, 2018, 20, 630.	1.1	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.	0.7	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.	0.9	25
86	The franckâ€condon principle and sum rules for vibronic transitions in polyatomic molecules. Chemical Physics Letters, 1977, 46, 183-187.	1.2	24
87	The Jordanâ€Schwinger representations of Cayleyâ€Klein groups. I. The orthogonal groups. Journal of Mathematical Physics, 1990, 31, 1047-1053.	0.5	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.	1.0	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.	0.3	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.	0.9	23

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91	Role of semiclassical description in the quantumlike theory of light rays. <i>Physical Review E</i> , 1999, 60, 6042-6050.	0.8	23
92	Does the uncertainty relation determine the quantum state?. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 357, 255-260.	0.9	23
93	Inequalities for nonnegative numbers and information properties of qudit tomograms. <i>Journal of Russian Laser Research</i> , 2013, 34, 203-218.	0.3	23
94	Wigner functions of quadratic systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1982, 115, 215-231.	1.2	22
95	Time-dependent oscillator with Kronig-Penney excitation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 175, 1-4.	0.9	22
96	On the tomographic picture of quantum mechanics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2614-2617.	0.9	22
97	From quantum carpets to quantum suprematism—the probability representation of qudit states and hidden correlations. <i>Physica Scripta</i> , 2018, 93, 084002.	1.2	22
98	Excitations of a nonstationary asymmetrical singular oscillator. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1974, 24, 46-56.	0.2	21
99	Time-dependent mode coupling and generation of two-mode squeezed states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991, 157, 226-228.	0.9	21
100	Full phase-space analysis of particle beam transport in the thermal wave model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 209, 263-276.	0.9	21
101	Wigner's problem for a precessing magnetic dipole. <i>Physical Review A</i> , 1997, 56, 1126-1130.	1.0	21
102	On the relation between Schrödinger and von Neumann equations. <i>Journal of Russian Laser Research</i> , 1999, 20, 421-437.	0.3	21
103	The survival of quantum coherence in deformed-states superposition. <i>Europhysics Letters</i> , 2001, 54, 586-591.	0.7	21
104	Tomographic-probability description of solitons in Bose-Einstein condensates. <i>European Physical Journal B</i> , 2003, 36, 385-390.	0.6	21
105	Tomograms in the quantum-classical transition. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 343, 251-266.	0.9	21
106	Tomography in Abstract Hilbert Spaces. <i>Open Systems and Information Dynamics</i> , 2006, 13, 239-253.	0.5	21
107	Radon transform on the cylinder and tomography of a particle on the circle. <i>Physical Review A</i> , 2007, 76, .	1.0	21
108	A transformational property of the Husimi function and its relation to the wigner function and symplectic tomograms. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2011, 166, 356-368.	0.3	21

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109	Testing Entropic Inequalities for Superconducting Qudits. Journal of Russian Laser Research, 2015, 36, 448-457.	0.3	21
110	The Dushinsky effect and sum rules for vibronic transitions in polyatomic molecules. Journal of Molecular Spectroscopy, 1979, 77, 178-194.	0.4	20
111	“Classical” propagator and path integral in the probability representation of quantum mechanics. Journal of Russian Laser Research, 1999, 20, 67-76.	0.3	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.	0.3	20
114	Quantum suprematism picture of Triada of Malevich’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.	0.3	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.	0.3	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.	0.9	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.	0.7	19
118	Statistical properties of Schrödinger real and imaginary cat states. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 199, 123-130.	0.9	18
119	Wave-optics applications in charged-particle-beam transport. Journal of Russian Laser Research, 2000, 21, 1-33.	0.3	18
120	Controlling potential traps for filtering solitons in Bose-Einstein condensates. JETP Letters, 2004, 80, 535-539.	0.4	18
121	Tomographic characteristics of spin states. Journal of Russian Laser Research, 2006, 27, 132-166.	0.3	18
122	New inequalities for tomograms in the probability representation of quantum states. Theoretical and Mathematical Physics(Russian Federation), 2007, 152, 1081-1086.	0.3	18
123	Measuring microwave quantum states: Tomogram and moments. Physical Review A, 2011, 84, .	1.0	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.	0.9	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.	0.9	17
126	Spin tomography and star-product kernel for qubits and qutrits. Journal of Russian Laser Research, 2009, 30, 129-145.	0.3	17

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127	Two-particle spin states and generalized Bell's inequalities. JETP Letters, 2000, 72, 93-96.	0.4	16
128	Wigner Functions and Spin Tomograms for Qubit States. Journal of Russian Laser Research, 2014, 35, 3-13.	0.3	16
129	Hidden Quantum Correlations in Single Qudit Systems. Journal of Russian Laser Research, 2015, 36, 301-311.	0.3	16
130	The Jordan-Schwinger representations of Cayley-Klein groups. II. The unitary groups. Journal of Mathematical Physics, 1990, 31, 1054-1059.	0.5	15
131	Contractions of the irreducible representations of the quantum algebras $su_q(2)$ and $so_q(3)$. Journal of Mathematical Physics, 1992, 33, 1374-1378.	0.5	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.	0.9	15
133	Photon distribution in nonlinear coherent states. Journal of Russian Laser Research, 2000, 21, 305-316.	0.3	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, .	1.0	15
136	Symplectic entropy. Journal of Physics: Conference Series, 2007, 70, 012007.	0.3	15
137	Tomographic representation of minisuperspace quantum cosmology and noether symmetries. General Relativity and Gravitation, 2008, 40, 2627-2647.	0.7	15
138	Frame transforms, star products and quantum mechanics on phase space. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 285304.	0.7	15
139	New Inequality for Density Matrices of Single Qudit States. Journal of Russian Laser Research, 2014, 35, 457-461.	0.3	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.	0.9	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.	0.8	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.	0.6	14

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145	Tomographic discord for a system of two coupled nanoelectric circuits. <i>Physica Scripta</i> , 2015, 90, 055101.	1.2	14
146	Dynamics of a harmonic oscillator coupled with a Glauber amplifier. <i>Physica Scripta</i> , 2020, 95, 024004.	1.2	14
147	SU(2) Symmetry of Qubit States and Heisenberg–Weyl Symmetry of Systems with Continuous Variables in the Probability Representation of Quantum Mechanics. <i>Symmetry</i> , 2020, 12, 1099.	1.1	14
148	Quantum properties of high-Q macroscopic resonators. <i>Soviet Journal of Quantum Electronics</i> , 1980, 10, 1232-1238.	0.1	13
149	Classically equivalent Hamiltonians and ambiguities of quantization: A particle in a magnetic field. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1982, 69, 185-205.	0.2	13
150	Tomography for Several Particles with One Random Variable. <i>Journal of Russian Laser Research</i> , 2003, 24, 237-255.	0.3	13
151	A tomographic approach to quantum nonlocality. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2003, 5, S333-S338.	1.4	13
152	Squeeze tomography of quantum states. <i>Journal of Physics A</i> , 2004, 37, 8529-8544.	1.6	13
153	Robustness of raw quantum tomography. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 861-866.	0.9	13
154	Finite Phase Space, Wigner Functions, and Tomography for Two-Qubit States. <i>Journal of Russian Laser Research</i> , 2014, 35, 427-436.	0.3	13
155	Maps of Matrices and Portrait Maps of the Density Operators of Composite and Noncomposite Systems. <i>Journal of Russian Laser Research</i> , 2014, 35, 298-306.	0.3	13
156	Correlations in a system of classical-like coins simulating spin-1/2 states in the probability representation of quantum mechanics. <i>European Physical Journal D</i> , 2019, 73, 1.	0.6	13
157	Quantum evolution of the localized state. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 168, 1055-1072.	1.2	12
158	Schrödinger-cat states in Paul traps. <i>Physical Review A</i> , 1997, 55, 1208-1216.	1.0	12
159	Quantum probability measure for parametric oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 318, 287-291.	0.9	12
160	Separability and Entanglement of the Qudit X-State with $j = 3/2$. <i>Journal of Russian Laser Research</i> , 2014, 35, 518-524.	0.3	12
161	Differential Parametric Formalism for the Evolution of Gaussian States: Nonunitary Evolution and Invariant States. <i>Entropy</i> , 2020, 22, 586.	1.1	12
162	Invariants and nonequilibrium density matrices. <i>Journal of Statistical Physics</i> , 1977, 16, 357-370.	0.5	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.	0.9	11
164	Probability Distributions and Hilbert Spaces: Quantum and Classical Systems. Physica Scripta, 1999, 60, 111-116.	1.2	11
165	1D stability analysis of filtering and controlling the solitons in Bose-Einstein condensates. European Physical Journal B, 2006, 54, 113-119.	0.6	11
166	Tomographic Entropy and New Entropic Uncertainty Relations. AIP Conference Proceedings, 2007, , .	0.3	11
167	Wave function of the harmonic oscillator in classical statistical mechanics. Journal of Russian Laser Research, 2007, 28, 535-547.	0.3	11
168	Geometrical interpretation of the density matrix: Mixed and entangled states. Journal of Russian Laser Research, 2008, 29, 564-580.	0.3	11
169	A generalized Wigner function on the space of irreducible representations of the Weyl-Heisenberg group and its transformation properties. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 155302.	0.7	11
170	A tomographic analysis of reflectometry data: I. Component factorization. Measurement Science and Technology, 2009, 20, 105501.	1.4	11
171	Deformed Subadditivity Condition for Qudit States and Hybrid Positive Maps. Journal of Russian Laser Research, 2014, 35, 509-517.	0.3	11
172	Quantizer-dequantizer operators as a tool for formulating the quantization procedure. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126349.	0.9	11
173	Different realizations of the tomographic principle in quantum state measurement. , 0, .		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.	0.9	10
175	Entropy and information characteristics of qubit states. Journal of Russian Laser Research, 2008, 29, 505-519.	0.3	10
176	Symplectic tomography of ultracold gases in tight waveguides. Physical Review A, 2008, 78, .	1.0	10
177	Moyal and tomographic probability representations for f-oscillator quantum states. Physica Scripta, 2010, 81, 045004.	1.2	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.	0.3	10
179	Tomographic Discord and Quantum Correlations in a System of Qubits. Journal of Russian Laser Research, 2013, 34, 463-467.	0.3	10
180	On pseudo-stochastic matrices and pseudo-positive maps. Physica Scripta, 2015, 90, 115202.	1.2	10

#	ARTICLE	IF	CITATIONS
181	Hidden Bell Correlations in the Four-Level Atom. Journal of Russian Laser Research, 2016, 37, 1-9.	0.3	10
182	Probability Representation of Quantum States as a Renaissance of Hidden Variables" God Plays Coins. Journal of Russian Laser Research, 2019, 40, 107-120.	0.3	10
183	Star-Product Formalism for the Probability and Mean-Value Representations of Qudits. Journal of Russian Laser Research, 2020, 41, 470-483.	0.3	10
184	Observables, interference phenomenon and Born's rule in the probability representation of quantum mechanics. International Journal of Quantum Information, 2020, 18, 1941021.	0.6	10
185	Coherent state evolution for the quantum anharmonic oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 90, 165-168.	0.9	9
186	q-deformed Brownian motion. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 180, 39-42.	0.9	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.	1.0	9
188	Collective Spontaneous Emission in a q-Deformed Dicke Model. Modern Physics Letters B, 1998, 12, 403-411.	1.0	9
189	Equivalence of two forms of the solution to the Schrödinger equation for a particle passing through a grating. Journal of Russian Laser Research, 2005, 26, 94-108.	0.3	9
190	Tomographic entropy and cosmology. General Relativity and Gravitation, 2008, 40, 1449-1465.	0.7	9
191	Quantum Fourier transform and tomographic Rényi entropic inequalities. Theoretical and Mathematical Physics(Russian Federation), 2009, 160, 995-1005.	0.3	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.	0.3	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.	0.9	9
194	Entropic uncertainty relations for electromagnetic beams. Physica Scripta, 2009, T135, 014053.	1.2	9
195	Noncommutative tomography: A tool for data analysis and signal processing. Journal of Russian Laser Research, 2012, 33, 103-121.	0.3	9
196	Quantum correlations expressed as information and entropic inequalities for composite and noncomposite systems. Journal of Physics: Conference Series, 2014, 538, 012016.	0.3	9
197	Nonnegative Discrete Symbols and Their Probabilistic Interpretation. Journal of Russian Laser Research, 2017, 38, 491-506.	0.3	9
198	Hidden Correlations and Entanglement in Single-Qudit States. Journal of Russian Laser Research, 2018, 39, 1-11.	0.3	9

#	ARTICLE	IF	CITATIONS
199	A New Mechanism of Open System Evolution and Its Entropy Using Unitary Transformations in Noncomposite Qudit Systems. <i>Entropy</i> , 2019, 21, 736.	1.1	9
200	Properties of Quantizer and Dequantizer Operators for Qudit States and Parametric Down-Conversion. <i>Symmetry</i> , 2021, 13, 131.	1.1	9
201	Matrix elements of Bogolubov canonical transformations. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica</i> , 1974, 11, 44-46.	0.4	8
202	Exact green function of a damped oscillator. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1979, 72, 10-12.	0.9	8
203	Quasi-energies and chaotic behaviour of a periodically delta-kicked quantum singular oscillator. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1993, 108, 1349-1363.	0.2	8
204	Photon generation and squeezing in a generalized two-dimensional oscillator. <i>Physical Review A</i> , 1994, 50, 5209-5218.	1.0	8
205	Time-dependent squeezing and photon anti-bunching in squeezed even and odd coherent states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 223, 31-36.	0.9	8
206	Conventional quantum mechanics without wave function and density matrix. , 1999, , .		8
207	Charged-particle-beam propagator in wave-electron optics: phase-space and tomographic pictures. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000, 17, 2506.	0.8	8
208	Photon-Number Tomography of Multimode States and Positivity of the Density Matrix. <i>Journal of Russian Laser Research</i> , 2003, 24, 497-506.	0.3	8
209	Quantum Probability Measures and Tomographic Probability Densities. <i>Journal of Russian Laser Research</i> , 2004, 25, 253-266.	0.3	8
210	PROBABILITY REPRESENTATION OF OPTICAL SIGNALS AND NEW ENTROPY OF QUANTUM STATES. <i>International Journal of Modern Physics B</i> , 2006, 20, 1399-1407.	1.0	8
211	Squeezed states and uncertainty relations since 1991. <i>Journal of Russian Laser Research</i> , 2007, 28, 404-428.	0.3	8
212	Chebyshev polynomials and Fourier transform of SU(2) irreducible representation character as spin tomographic star-product kernel. <i>Journal of Russian Laser Research</i> , 2009, 30, 224-241.	0.3	8
213	Photon number and optical tomograms for Gaussian states. <i>Laser Physics</i> , 2009, 19, 1804-1808.	0.6	8
214	Dynamic symmetries and entropic inequalities in the probability representation of quantum mechanics. , 2011, , .		8
215	States in the Weyl-Wigner and tomographic-probability representations and entropic inequalities. <i>Physica Scripta</i> , 2012, T147, 014020.	1.2	8
216	STATE-EXTENDED UNCERTAINTY RELATIONS AND TOMOGRAPHIC INEQUALITIES AS QUANTUM SYSTEM STATE CHARACTERISTICS. <i>International Journal of Quantum Information</i> , 2012, 10, 1241017.	0.6	8

#	ARTICLE	IF	CITATIONS
217	Purity of spin states in terms of tomograms. <i>Journal of Russian Laser Research</i> , 2013, 34, 14-21.	0.3	8
218	No-Signaling Property of the Single-Qudit-State Tomogram. <i>Journal of Russian Laser Research</i> , 2014, 35, 582-589.	0.3	8
219	Entropic Inequalities and Properties of Some Special Functions. <i>Journal of Russian Laser Research</i> , 2014, 35, 200-210.	0.3	8
220	The quantum-to-classical transition: contraction of associative products. <i>Physica Scripta</i> , 2016, 91, 045201.	1.2	8
221	Star product, discrete Wigner functions, and spin-system tomograms. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2016, 186, 346-364.	0.3	8
222	Minimal sets of dequantizers and quantizers for finite-dimensional quantum systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 2778-2782.	0.9	8
223	New entropic inequalities for qubit and unimodal Gaussian states. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 491, 64-70.	1.2	8
224	Probability representation of quantum mechanics and star product quantization. <i>Journal of Physics: Conference Series</i> , 2019, 1348, 012101.	0.3	8
225	Measurement of the Temperature Using the Tomographic Representation of Thermal States for Quadratic Hamiltonians. <i>Entropy</i> , 2021, 23, 1445.	1.1	8
226	Invariants and Greenâ€™s functions of a relativistic charged particle in electromagnetic fields. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica</i> , 1975, 14, 241-244.	0.4	7
227	Franck-condon factors for diatomic molecules and the factorization method. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1976, 16, 1021-1029.	1.1	7
228	Quantum representation of a time-dependent quadratic Hamiltonian in a time-dependent phase space frame. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 210, 26-32.	0.9	7
229	Nonstationary linear spin systems in the probability representation. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2003, 5, 227-236.	1.4	7
230	Separability and entanglement of four-mode Gaussian states. <i>Journal of Russian Laser Research</i> , 2007, 28, 516-528.	0.3	7
231	Bell-type inequalities in classical probability theory. <i>Journal of Russian Laser Research</i> , 2009, 30, 82-100.	0.3	7
232	Bistochastic matrices and statistical characteristics of quantum observables. <i>Journal of Russian Laser Research</i> , 2009, 30, 359-367.	0.3	7
233	Probability Vectors within the Classical and Quantum Frameworks. <i>Journal of Russian Laser Research</i> , 2014, 35, 79-92.	0.3	7
234	Deformed Entropy and Information Relations for Composite and Noncomposite Systems. <i>Foundations of Physics</i> , 2015, 45, 783-798.	0.6	7

#	ARTICLE	IF	CITATIONS
235	The Partition Formalism and New Entropic-Information Inequalities for Real Numbers on an Example of Clebschâ€“Gordan Coefficients. Journal of Russian Laser Research, 2017, 38, 50-60.	0.3	7
236	Qubit representation of qudit states: correlations and state reconstruction. Quantum Information Processing, 2019, 18, 1.	1.0	7
237	The Jordanâ€“Schwinger representations of Cayleyâ€“Klein groups. III. The symplectic groups. Journal of Mathematical Physics, 1990, 31, 1060-1064.	0.5	6
238	Parametric Excitation of Photon-added Coherent States. Physica Scripta, 1998, 58, 469-480.	1.2	6
239	Nonclassical Field States in Quantum Optics and Particle Physics. Journal of Russian Laser Research, 1998, 19, 427-464.	0.3	6
240	Aspects of Nonlinear and Noncanonical Transformations in Quantum Mechanics. Physica Scripta, 1999, 58, 224-227.	1.2	6
241	Tomography of photon-added and photon-subtracted states. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, 357-363.	1.4	6
242	Trapped Ions Interacting with Laser Fields: a Perturbative Analysis without the Rotating Wave Approximation. Journal of Russian Laser Research, 2004, 25, 30-53.	0.3	6
243	Special issue on quantum control. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S177-S177.	1.4	6
244	Center-of-mass tomography and probability representation of quantum states for tunneling. Theoretical and Mathematical Physics(Russian Federation), 2005, 142, 311-323.	0.3	6
245	Tomographic-probability representation of the quantum scalar field. Journal of Russian Laser Research, 2009, 30, 1-11.	0.3	6
246	Unitary and non-unitary matrices as a source of different bases of operators acting on hilbert spaces. Journal of Russian Laser Research, 2011, 32, 56.	0.3	6
247	Entropy of conditional tomographic probability distributions for classical and quantum systems. Journal of Physics: Conference Series, 2013, 442, 012008.	0.3	6
248	New Inequalities for Quantum Von Neumann and Tomographic Mutual Information. Journal of Russian Laser Research, 2014, 35, 355-361.	0.3	6
249	Steering and Correlations for a Single Qudit State on the Example of Spin $j=3/2$. Journal of Russian Laser Research, 2015, 36, 343-349.	0.3	6
250	Evolution and Entanglement of Gaussian States in the Parametric Amplifier. Journal of Russian Laser Research, 2016, 37, 23-44.	0.3	6
251	Information Processing Using Three-Qubit and Qubitâ€“Qutrit Encodings of Noncomposite Quantum Systems. Journal of Russian Laser Research, 2016, 37, 581-590.	0.3	6
252	Gauge transformation of quantum states in probability representation. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 155302.	0.7	6

#	ARTICLE	IF	CITATIONS
253	Center-of-Mass Tomography and Wigner Function for Multimode Photon States. International Journal of Theoretical Physics, 2018, 57, 1631-1644.	0.5	6
254	Statistical properties of qutrit in probability representation of quantum mechanics. Physica A: Statistical Mechanics and Its Applications, 2019, 533, 121898.	1.2	6
255	Triangle Geometry of Spin States and Nonlinear Superposition of Probabilities Describing These States. Journal of Russian Laser Research, 2019, 40, 6-18.	0.3	6
256	Schrödinger Equation for Energy Levels as a Linear Equation for Probability Distributions Identified with Quantum States. Journal of Russian Laser Research, 2020, 41, 441-450.	0.3	6
257	Coherent states and asymptotic behavior of the symmetric top wave functions. International Journal of Quantum Chemistry, 1975, 9, 951-968.	1.0	5
258	The quasi-classical equilibrium Wigner distribution function of an electron gas in a nonuniform electromagnetic field. Physica A: Statistical Mechanics and Its Applications, 1985, 132, 269-283.	1.2	5
259	Correlated states and quantum noise of an oscillatory contour. Measurement Techniques, 1990, 33, 102-104.	0.2	5
260	Time-dependent invariants for dirac equation and Newton's Wigner position operator. Physica Scripta, 1997, 56, 417-422.	1.2	5
261	Spectrum of light scattered from a 'deformed' Bose-Einstein condensate. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 259, 67-70.	0.9	5
262	Inner composition law of pure-spin states. AIP Conference Proceedings, 2000, , .	0.3	5
263	Quantum sensitive dependence. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 300, 353-360.	0.9	5
264	Relativistic Systems and Their Evolution in Quantum Tomography. Journal of Russian Laser Research, 2004, 25, 468-476.	0.3	5
265	Standard quantum mechanics featuring probabilities instead of wave functions. Physics of Atomic Nuclei, 2006, 69, 1085-1089.	0.1	5
266	Uncertainty relation and photon-number distribution for one-and two-mode squeezed light. Journal of Russian Laser Research, 2008, 29, 142-166.	0.3	5
267	The wave function of the classical parametric oscillator and the tomographic probability of the oscillator's state. Journal of Russian Laser Research, 2008, 29, 347-356.	0.3	5
268	Tomographic approach to the violation of Bell's inequalities for quantum states of two qutrits. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 4101-4105.	0.9	5
269	MuSR method and tomographic-probability representation of spin states. Journal of Russian Laser Research, 2010, 31, 421-442.	0.3	5
270	Probability representation and state-extended uncertainty relations. Journal of Russian Laser Research, 2011, 32, 125-129.	0.3	5

#	ARTICLE	IF	CITATIONS
271	Relaxation equations for the qubit in the tomographic representation. Journal of Russian Laser Research, 2011, 32, 584-595.	0.3	5
272	Tomographic probability representation for states of charge moving in varying field. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2012, 113, 624-629.	0.2	5
273	Pauli Equation for a Joint Tomographic Probability Distribution. Journal of Russian Laser Research, 2015, 36, 534-549.	0.3	5
274	Evolution Equation for a Joint Tomographic Probability Distribution of Spin-1 Particles. International Journal of Theoretical Physics, 2016, 55, 4885-4895.	0.5	5
275	Symbols of Multiqubit States Admitting a Physical Interpretation*. Journal of Russian Laser Research, 2018, 39, 360-375.	0.3	5
276	PT -Symmetric Qubit-System States in the Probability Representation of Quantum Mechanics. Symmetry, 2020, 12, 1702.	1.1	5
277	TOMOGRAPHIC MAP WITHIN THE FRAMEWORK OF STAR-PRODUCT QUANTIZATION. , 2002, , .		5
278	Symplectic tomographic probability distribution of crystallized Schrödinger cat states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 434, 128044.	0.9	5
279	Quantum integrals of motion and gravity wave experiment: Measurements in pure quantum states. Foundations of Physics, 1983, 13, 607-628.	0.6	4
280	Second-harmonic generation as a source of correlated coherent states. Optics Communications, 1988, 69, 71-74.	1.0	4
281	Revivals in a two-atom single-mode system. Physica A: Statistical Mechanics and Its Applications, 1989, 155, 254-264.	1.2	4
282	Squeezing in multimode Schrödinger cat states. Journal of Russian Laser Research, 1994, 15, 377-390.	0.3	4
283	Interference Effects in f-Deformed Fields. Physica Scripta, 1998, 57, 486-487.	1.2	4
284	Classical-like description of quantum states and propagator for particles in time-independent and dispersing \hat{V} potentials. Physics of Atomic Nuclei, 2001, 64, 1457-1463.	0.1	4
285	Deformed versus undeformed cat states encoding qubit. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, S117-S120.	1.4	4
286	Geometrical Aspects of Lie Group Representations and Their Optical Applications. Journal of Russian Laser Research, 2002, 23, 49-80.	0.3	4
287	Probability Representation of Kinetic Equations for Open Quantum Systems. Journal of Russian Laser Research, 2003, 24, 180-193.	0.3	4
288	Tomography of Nonclassical States. Journal of Russian Laser Research, 2003, 24, 80-94.	0.3	4

#	ARTICLE	IF	CITATIONS
289	Entanglement in probability representation of quantum states and tomographic criterion of separability. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, 172-177.	1.4	4
290	Tomography of Binomial States of the Radiation Field. <i>Journal of Russian Laser Research</i> , 2004, 25, 453-467.	0.3	4
291	Relativistic quantum and classical kinetic equations in the tomographic-probability representation. <i>Journal of Russian Laser Research</i> , 2008, 29, 43-48.	0.3	4
292	Optical propagator of quantum systems in the probability representation. <i>Journal of Russian Laser Research</i> , 2011, 32, 153-162.	0.3	4
293	Statistics of observables in the probability representation of quantum and classical system states. , 2012, , .		4
294	Calculating means of quantum observables in the optical tomography representation. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2012, 171, 832-838.	0.3	4
295	Nonlinear Channels of Werner States. <i>Journal of Russian Laser Research</i> , 2014, 35, 362-368.	0.3	4
296	Generalized tomographic maps and star-product formalism. <i>Physica Scripta</i> , 2015, 90, 065101.	1.2	4
297	Entropic and information inequality for nonlinearly transformed two-qubit X-states. <i>Europhysics Letters</i> , 2015, 109, 50005.	0.7	4
298	The Replica Method and Entropy for a Mixture of Two-Mode Even and Odd Schrödinger Cat States. <i>Journal of Russian Laser Research</i> , 2015, 36, 251-257.	0.3	4
299	Continuous Sets of Dequantizers and Quantizers for One-Qubit States*. <i>Journal of Russian Laser Research</i> , 2016, 37, 544-555.	0.3	4
300	Dissipative Evolution of the Qubit State in the Tomographic-Probability Representation. <i>Journal of Russian Laser Research</i> , 2017, 38, 311-323.	0.3	4
301	Symplectic Tomography of De Broglie Wave. <i>Journal of Russian Laser Research</i> , 2017, 38, 507-515.	0.3	4
302	Tomography onf-oscillators. <i>Physica Scripta</i> , 2017, 92, 115101.	1.2	4
303	Integral transforms between tomogram and quasi-probability functions based on quantizer-dequantizer operators formalism. <i>Journal of Mathematical Physics</i> , 2020, 61, .	0.5	4
304	Entangled Qubit States and Linear Entropy in the Probability Representation of Quantum Mechanics. <i>Entropy</i> , 2022, 24, 527.	1.1	4
305	Invariants and radiation of some nonstationary systems. <i>International Journal of Theoretical Physics</i> , 1977, 16, 503-515.	0.5	3
306	Introduction to quantum optics. <i>AIP Conference Proceedings</i> , 1996, , .	0.3	3

#	ARTICLE	IF	CITATIONS
307	Defocusing gravitational microlensing. <i>Physica Scripta</i> , 1997, 56, 212-220.	1.2	3
308	Integrals of the motion and exact solutions of the problem of two dispersing delta-wells. <i>Journal of Experimental and Theoretical Physics</i> , 1998, 86, 335-339.	0.2	3
309	Classical representation of a quantum damped oscillator—Comparison between the caldirola-kanai model, the kinetic equation, and the kostin equation. <i>Journal of Russian Laser Research</i> , 1999, 20, 119-130.	0.3	3
310	Tomographic entropy for spin systems. <i>Journal of Physics: Conference Series</i> , 2006, 36, 137-148.	0.3	3
311	Probability Instead of Wave Function and Bell Inequalities as Entanglement Criterion. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	3
312	On the information completeness of quantum tomograms. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 2820-2824.	0.9	3
313	Bell-type inequalities and upper bounds for multiqubit states. <i>Journal of Russian Laser Research</i> , 2009, 30, 338-358.	0.3	3
314	Probability representation and quantumness tests for qudits and two-mode light states. <i>Journal of Russian Laser Research</i> , 2009, 30, 443-450.	0.3	3
315	Characteristic functions of states in star-product quantization. <i>Journal of Russian Laser Research</i> , 2009, 30, 435-442.	0.3	3
316	Fresnel tomography and interferometric technique for characterizing Laguerre—Gaussian beams. <i>Journal of Russian Laser Research</i> , 2010, 31, 139-151.	0.3	3
317	Photon number tomography and photon statistics of two-mode Gaussian states. <i>Physica Scripta</i> , 2010, T140, 014028.	1.2	3
318	Charged particle coherent states in tomographic probability representation. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2011, 111, 666-670.	0.2	3
319	On the problem of quantum control in infinite dimensions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 135302.	0.7	3
320	Star product and ordered moments of photon creation and annihilation operators. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 015305.	0.7	3
321	Bound entangled states of four qubits in the tomographic-probability representation. <i>Journal of Russian Laser Research</i> , 2012, 33, 269-275.	0.3	3
322	Wave function of classical particle in linear potential. <i>Journal of Russian Laser Research</i> , 2013, 34, 239-246.	0.3	3
323	Contextuality and the probability representation of quantum states. <i>Journal of Russian Laser Research</i> , 2013, 34, 267-277.	0.3	3
324	Bound State of a Particle in the Dirac Delta Potential in the Tomographic-Probability Representation of Quantum Mechanics. <i>Journal of Russian Laser Research</i> , 2013, 34, 593-602.	0.3	3

#	ARTICLE	IF	CITATIONS
325	Hermite Polynomial Representation of the Spin States. Journal of Russian Laser Research, 2013, 34, 175-184.	0.3	3
326	Separability and Entanglement of a Spin-1 Particle. Journal of Russian Laser Research, 2015, 36, 110-118.	0.3	3
327	Grossâ€Pitaevskii Equation for the Density Matrix in the Position Representation. Journal of Russian Laser Research, 2015, 36, 135-138.	0.3	3
328	Entropic Inequalities for Two Coupled Superconducting Circuits. Journal of Russian Laser Research, 2016, 37, 236-243.	0.3	3
329	Entropic bounds between two thermal equilibrium states. Physical Review E, 2018, 97, 022128.	0.8	3
330	Quantum Tomography of Time-Dependent Nonlinear Hamiltonian Systems. Reports on Mathematical Physics, 2019, 83, 87-106.	0.4	3
331	Spin Kinetic Equations in the Probability Representation of Quantum Mechanics. Journal of Russian Laser Research, 2019, 40, 496-502.	0.3	3
332	Quantized-Energy Equation for N-Level Atom in the Probability Representation of Quantum Mechanics. Journal of Russian Laser Research, 2020, 41, 576-583.	0.3	3
333	Probability Representation of Quantum Mechanics Where System States Are Identified with Probability Distributions. Quantum Reports, 2020, 2, 64-79.	0.6	3
334	Exact propagators for Lagrangians with higher derivatives in quantum mechanics. Physica A: Statistical Mechanics and Its Applications, 1991, 170, 595-611.	1.2	2
335	Squeezing in quantum parametric chain. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1992, 107, 513-517.	0.2	2
336	Integrals of the motion for a nonlinear quantum oscillator. Annalen Der Physik, 1992, 504, 302-310.	0.9	2
337	Optical transformer of photon statistics. Journal of Russian Laser Research, 1996, 17, 449-456.	0.3	2
338	Variational formulation of linear time-dependent invariants. Europhysics Letters, 1996, 33, 497-502.	0.7	2
339	Gravitational waveguides in cosmology. Physica Scripta, 1997, 56, 315-320.	1.2	2
340	Quantum Damped Oscillator in Probability Representation. Journal of Russian Laser Research, 1997, 18, 537-560.	0.3	2
341	Relativistic Properties of â€œMarginalâ€Distributions. Physica Scripta, 1998, 58, 421-424.	1.2	2
342	Photon distribution and quadrature correlations in nonlinear quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 268, 17-24.	0.9	2

#	ARTICLE	IF	CITATIONS
343	Modelling Quantum Mechanics by a Quantumlike Description of Electric Signal Propagation in Transmission Lines. <i>Physica Scripta</i> , 2003, 68, 377-382.	1.2	2
344	Quantum Tomography, Wave Packets and Solitons. , 2004, , 175-208.		2
345	Laser Driven Ion Traps: Beyond the Standard Perturbative Limit. <i>European Physical Journal A</i> , 2004, 20, 129-132.	0.2	2
346	Optical, Symplectic and Fresnel Tomographies of Quantum States. <i>European Physical Journal A</i> , 2004, 20, 261-268.	0.2	2
347	Entangled Gaussian States of a Two-Dimensional Nonstationary Damped Oscillator. <i>Journal of Russian Laser Research</i> , 2005, 26, 259-272.	0.3	2
348	The probability representation of quantum states and integral relations for Hermite and Laguerre polynomials. <i>Journal of Russian Laser Research</i> , 2007, 28, 594-609.	0.3	2
349	Tensor product representation of qubit and its transform under linear-operator action. <i>Journal of Russian Laser Research</i> , 2009, 30, 109-121.	0.3	2
350	Tomographic probability representation for quantum fermion fields. <i>Journal of Russian Laser Research</i> , 2009, 30, 591-598.	0.3	2
351	Entropic characteristics of photon tomograms. <i>Journal of Russian Laser Research</i> , 2011, 32, 439-444.	0.3	2
352	Fresnel entropic characterization of optical Laguerreâ€“Gaussian beams. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 961-965.	0.9	2
353	The probability representation as a new formulation of quantum mechanics. <i>Journal of Physics: Conference Series</i> , 2012, 380, 012005.	0.3	2
354	The driven-oscillator evolution in the tomographic-probability representation. <i>Journal of Russian Laser Research</i> , 2012, 33, 166-175.	0.3	2
355	Evolution of microwave quantum states in terms of measurable ordered moments of creation and annihilation operators. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2012, 112, 365-372.	0.2	2
356	Minkowski-Type Inequality for Arbitrary Density Matrices of Composite and Noncomposite Systems. <i>Journal of Russian Laser Research</i> , 2015, 36, 17-23.	0.3	2
357	Weighted Information and Weighted Entropic Inequalities for Qutrit States. <i>Journal of Russian Laser Research</i> , 2016, 37, 591-597.	0.3	2
358	Steering in spin tomographic probability representation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 458, 266-275.	1.2	2
359	Discretization of the Density Matrix as a Nonlinear Positive Map and Entanglement. <i>Journal of Russian Laser Research</i> , 2016, 37, 313-327.	0.3	2
360	Tomographic Representation of Electrocardiogram Signals. <i>Journal of Russian Laser Research</i> , 2018, 39, 302-313.	0.3	2

#	ARTICLE	IF	CITATIONS
361	SU(2) and SU(1,1) group parametrizations via qubit induced correlated probabilities. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 425201.	0.7	2
362	Probability Representation of Quantum Channels. Lobachevskii Journal of Mathematics, 2019, 40, 1444-1449.	0.1	2
363	Interference of Quantum States and Superposition Principle in Probability Representation of Quantum Mechanics. Open Systems and Information Dynamics, 2019, 26, 1950016.	0.5	2
364	New Entropic Inequalities for Qudit (Spin $j = 9/2$). Journal of Russian Laser Research, 2019, 40, 522-529.	0.3	2
365	Conditions for Quantum and Classical Tomogram-Like Functions to Describe System States and to Retain Normalizations During Time Evolution. International Journal of Theoretical Physics, 2020, 59, 574-595.	0.5	2
366	The Discrete Center-of-Mass Tomogram. International Journal of Theoretical Physics, 2020, 59, 2404-2424.	0.5	2
367	Conventional Quantum Statistics with a Probability Distribution Describing Quantum System States. Physics of Particles and Nuclei, 2020, 51, 772-780.	0.2	2
368	Probability Representation of Quantum Mechanics and the Quantizer-Dequantizer Formalism. Journal of Physics: Conference Series, 2020, 1612, 012009.	0.3	2
369	Tomographic Description of a Quantum Wave Packet in an Accelerated Frame. Entropy, 2021, 23, 636.	1.1	2
370	From Equations of Motion to Canonical Commutation Relations: Classical and Quantum Systems. , 1998, , 223-284.		2
371	Symmetry-Induced Emergence of a Pseudo-Qutrit in the Dipolar Coupling of Two Qubits. Entropy, 2022, 24, 223.	1.1	2
372	Even and Odd Schrödinger Cat States in the Probability Representation of Quantum Mechanics. Journal of Russian Laser Research, 2022, 43, 1-17.	0.3	2
373	EXPERIMENTAL SEARCHES FOR FRACTIONALLY CHARGED QUARKS IN MATTER. Uspekhi Fizicheskikh Nauk, 1967, 10, 262-264.	0.3	1
374	Squeezing for the one-mode electromagnetic-field oscillator with \hat{I} -kicked frequency. Il Nuovo Cimento B, 1994, 109, 1023-1037.	0.1	1
375	Symplectic tomography of the Jaynes-Cummings model. Journal of Russian Laser Research, 2000, 21, 205-213.	0.3	1
376	Photon-number tomography and q-oscillator formalism. Journal of Russian Laser Research, 2000, 21, 317-322.	0.3	1
377	Tomographic representation of evolution equation for density matrix of open system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 309, 176-182.	0.9	1
378	Evolution of probability measures associated with quantum systems. Theoretical and Mathematical Physics(Russian Federation), 2005, 142, 306-310.	0.3	1

#	ARTICLE	IF	CITATIONS
379	Probability representation and spin states of two particles. Journal of Russian Laser Research, 2006, 27, 319-326.	0.3	1
380	f-oscillators deformation for Moyal algebras. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4364-4368.	0.9	1
381	Frank-Condon principle and adjustment of optical waveguides with nonhomogeneous refractive indices. Journal of Russian Laser Research, 2009, 30, 49-54.	0.3	1
382	Bell-type inequalities and tomographic entropies of multiqubit states. Journal of Russian Laser Research, 2010, 31, 61-69.	0.3	1
383	Two-mode squeezed vacuum states in tomographic-probability representation. Journal of Russian Laser Research, 2010, 31, 520-532.	0.3	1
384	Fidelity in the center-of-mass tomography. Journal of Russian Laser Research, 2010, 31, 608-613.	0.3	1
385	Optical tomography of the distribution function of an ensemble of classical harmonic oscillators. Journal of Russian Laser Research, 2012, 33, 84-89.	0.3	1
386	Relaxation equation for muon spin tomogram in probability representation. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2012, 112, 359-364.	0.2	1
387	Tensor-product representation of qubits and tensor realization of one-qubit operators. Physica Scripta, 2013, T153, 014001.	1.2	1
388	Sudden change in the equilibrium position and oscillator quantum transitions in the tomographic representation. Bulletin of the Lebedev Physics Institute, 2014, 41, 339-343.	0.1	1
389	Contextuality in Tree-Like Graphs. Journal of Russian Laser Research, 2014, 35, 609-616.	0.3	1
390	Optical Tomograms and Husimi Q-Function for a Particle Moving in the Dirac Delta Potential. Journal of Russian Laser Research, 2014, 35, 470-477.	0.3	1
391	Wigner function and the probability representation of quantum states. EPJ Web of Conferences, 2014, 78, 04002.	0.1	1
392	Unitary Transform and Subadditivity Condition for Composite and Noncomposite Systems. Journal of Russian Laser Research, 2015, 36, 430-439.	0.3	1
393	Classical and quantum correlations in the system of interacting electromagnetic modes. Bulletin of the Lebedev Physics Institute, 2015, 42, 260-263.	0.1	1
394	Inequalities for Purity Parameters of Multiqubit and Single-Qubit States. Journal of Russian Laser Research, 2016, 37, 133-140.	0.3	1
395	Subadditivity and Strong Subadditivity Conditions for the Density Matrix of the Five-Level Atom. Journal of Russian Laser Research, 2016, 37, 207-218.	0.3	1
396	Observables, Evolution Equation, and Stationary States Equation in the Joint Probability Representation of Quantum Mechanics. International Journal of Theoretical Physics, 2017, 56, 1183-1197.	0.5	1

#	ARTICLE	IF	CITATIONS
397	Entropic and information inequalities in the tomographic probability description of spin-1 particles. Bulletin of the Lebedev Physics Institute, 2017, 44, 106-110.	0.1	1
398	Separability and Entanglement in the Hilbert Space Reference Frames Related Through the Generic Unitary Transform for Four Level System. International Journal of Theoretical Physics, 2018, 57, 1285-1303.	0.5	1
399	Optimal Nonlinear Filtering of Quantum State. IEEE Transactions on Information Theory, 2018, 64, 4784-4791.	1.5	1
400	Unnormalized Tomograms and Quasidistributions of Quantum States. Theoretical and Mathematical Physics(Russian Federation), 2018, 197, 1677-1689.	0.3	1
401	Professor Viktor V. Dodonov: on the Occasion of His 70th Birthday. Journal of Russian Laser Research, 2019, 40, 105-106.	0.3	1
402	Malevich's Suprematist Composition Picture for Spin States. Entropy, 2019, 21, 870.	1.1	1
403	Quantum correlations for two coupled oscillators interacting with two heat baths. Canadian Journal of Physics, 2020, 98, 327-331.	0.4	1
404	Nonlinear differential dynamics of Gaussian States. AIP Conference Proceedings, 2021, , .	0.3	1
405	Hermite Polynomial Representation of Qubit States in Quantum Suprematism Picture. Springer Proceedings in Physics, 2019, , 289-303.	0.1	1
406	SQUEEZING OPERATOR AND SQUEEZE TOMOGRAPHY. , 2006, , .		1
407	Nonuniqueness of the Yang-Feldman quantization procedure for the classical equations of motion. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 82, 61-63.	0.9	0
408	Quantum integrals of motion of time-dependent systems and the problem of measuring physical quantities. Measurement Techniques, 1985, 28, 296-301.	0.2	0
409	The schrödinger uncertainty relationship and correlated light. Measurement Techniques, 1987, 30, 650-654.	0.2	0
410	In memory of Andrei Vladimirovich Vinogradov. Physics-Uspexhi, 1997, 40, 853-854.	0.8	0
411	Luminosity variation in (de) focusing microlensing. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 225, 45-50.	0.9	0
412	Dynamical Symmetries and Tomography. Foundations of Physics, 1998, 28, 429-438.	0.6	0
413	Effects of Field Fluctuations, Losses, and Aberrations on the Sensitivity of a Michelson CW Antenna Using Squeezed Radiation. Journal of Russian Laser Research, 1998, 19, 311-339.	0.3	0
414	Time-dependent integrals of motion for a precessing magnetic dipole. Journal of Russian Laser Research, 1999, 20, 533-541.	0.3	0

#	ARTICLE	IF	CITATIONS
415	Title is missing!. Journal of Russian Laser Research, 2001, 22, 410-436.	0.3	0
416	Classical and Quantum-like Approaches to Charged-Particle Fluids in a Quadrupole. Physica Scripta, 2002, 65, 345-349.	1.2	0
417	Tomographic Maps of Typical Radio Signals and Their Superpositions. Journal of Russian Laser Research, 2002, 23, 274-287.	0.3	0
418	Propagators in the Moyal and Tomographic Representations of States. Journal of Russian Laser Research, 2004, 25, 123-137.	0.3	0
419	Green Functions of the Stationary Schrödinger Equation and Tomographic Representation of Quantum Mechanics. Journal of Russian Laser Research, 2004, 25, 370-382.	0.3	0
420	Quantum Tomography and Verification of Generalized Bell-CHSH Inequalities. AIP Conference Proceedings, 2005, , .	0.3	0
421	Oscillator model of qubits and its entanglement properties. Journal of Russian Laser Research, 2006, 27, 204-219.	0.3	0
422	Stochastic matrices generated by entangled states of qubit-qutrit systems. Journal of Russian Laser Research, 2007, 28, 255-266.	0.3	0
423	Wigner function and Bell's inequalities for even and odd coherent states. Journal of Russian Laser Research, 2008, 29, 237-244.	0.3	0
424	Semigroups of tomographic probabilities and quantum correlations. Journal of Physics: Conference Series, 2008, 128, 012018.	0.3	0
425	Nonstationary quantum systems and entanglement in the tomographic-probability representation. Journal of Physics: Conference Series, 2008, 99, 012013.	0.3	0
426	Superposition rule and entanglement in diagonal and probability representations of density states. Physica Scripta, 2009, T135, 014035.	1.2	0
427	Radon transform and kinetic equations in the tomographic representation. Journal of Russian Laser Research, 2009, 30, 570-577.	0.3	0
428	Scaling separability criterion: application to Gaussian states. Journal of Russian Laser Research, 2009, 30, 609-614.	0.3	0
429	Probability distribution and Bell's inequality for the quantum qubit state. Bulletin of the Lebedev Physics Institute, 2009, 36, 104-109.	0.1	0
430	Tomographic representation of kinetic equations in classical statistical mechanics. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2010, 65, 359-365.	0.1	0
431	Tomographic probability and entropic inequalities for special functions. Journal of Russian Laser Research, 2010, 31, 368-379.	0.3	0
432	Canonical transforms, quantumness and probability representation of quantum mechanics. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
433	General Bell-CHSH type and entropic inequalities based on quantum tomograms. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 111, 656-665.	0.2	0
434	Calculations of the propagator within the tomographic-probability framework. Journal of Russian Laser Research, 2012, 33, 503-508.	0.3	0
435	The driven oscillator in the photon-number probability representation of quantum mechanics. Journal of Russian Laser Research, 2012, 33, 255-268.	0.3	0
436	Balance Equations-Based Properties of the Rabi Hamiltonian. Journal of Russian Laser Research, 2014, 35, 101-109.	0.3	0
437	The role of the Wigner function in charged-particle beam transport. EPJ Web of Conferences, 2014, 78, 04003.	0.1	0
438	Deformed Entropic and Information Inequalities for X-States of Two-Qubit and Single Qudit States. Advances in Mathematical Physics, 2015, 2015, 1-4.	0.4	0
439	Virtual Correlations in Single Qutrit. Advances in Mathematical Physics, 2016, 2016, 1-5.	0.4	0
440	Entropy-Energy Inequality for a Qutrit on the Example of a Three-Level Atom. Russian Physics Journal, 2017, 59, 1937-1941.	0.2	0
441	Entropic inequalities for matrix elements of rotation group irreducible representations. Lobachevskii Journal of Mathematics, 2017, 38, 699-708.	0.1	0
442	Breakdown of separability due to confinement. Reports on Mathematical Physics, 2017, 80, 277-294.	0.4	0
443	Characterization of the nonlinear qubit map using the probability parametrization. Europhysics Letters, 2018, 123, 50004.	0.7	0
444	Probability Representation of Photon States and Tomography. Journal of Russian Laser Research, 2019, 40, 503-514.	0.3	0
445	Quadratic Tomography Star Product Algebra and its Classical Limit. International Journal of Theoretical Physics, 2019, 58, 543-557.	0.5	0
446	Qubit state vector in probability representation of quantum mechanics. AIP Conference Proceedings, 2021, , .	0.3	0
447	New Gabor quasi-probability based on the integral transform. AIP Conference Proceedings, 2021, , .	0.3	0
448	Non-stationary qubit states evolution in probability representation of quantum mechanics. AIP Conference Proceedings, 2021, , .	0.3	0
449	Contractions and analytic continuations of the irreducible representations of the quantum algebra $su_q(2)$. Lecture Notes in Physics, 1991, , 225-228.	0.3	0
450	The Geometry of Density States, Positive Maps and Tomograms. , 2004, , 395-443.		0

#	ARTICLE	IF	CITATIONS
451	Superposition Principle for Qubit States in the Spin-Projection Mean Representation. Journal of Russian Laser Research, 2022, 43, 82-89.	0.3	0