

# Victor Vasilievich Dodonov

## List of Publications by Year in descending order

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243  
papers

6,953  
citations

81839

39  
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74108

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g-index

245  
all docs

245  
docs citations

245  
times ranked

1785  
citing authors

#	ARTICLE	IF	CITATIONS
1	'Nonclassical' states in quantum optics: a 'squeezed' review of the first 75 years. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, R1-R33.	1.4	704
2	Even and odd coherent states and excitations of a singular oscillator. Physica, 1974, 72, 597-615.	0.9	500
3	Generalized uncertainty relation and correlated coherent states. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 79, 150-152.	0.9	258
4	Generation and detection of photons in a cavity with a resonantly oscillating boundary. Physical Review A, 1996, 53, 2664-2682.	1.0	251
5	Positive distribution description for spin states. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 229, 335-339.	0.9	242
6	Current status of the dynamical Casimir effect. Physica Scripta, 2010, 82, 038105.	1.2	230
7	Coherent states and the resonance of a quantum damped oscillator. Physical Review A, 1979, 20, 550-560.	1.0	216
8	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.	0.9	129
9	Hilbert-Schmidt distance and non-classicality of states in quantum optics. Journal of Modern Optics, 2000, 47, 633-654.	0.6	122
10	Integrals of the motion, green functions, and coherent states of dynamical systems. International Journal of Theoretical Physics, 1975, 14, 37-54.	0.5	120
11	Photon creation and excitation of a detector in a cavity with a resonantly vibrating wall. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 207, 126-132.	0.9	112
12	Quantum phenomena in nonstationary media. Physical Review A, 1993, 47, 4422-4429.	1.0	108
13	Photon distribution for one-mode mixed light with a generic Gaussian Wigner function. Physical Review A, 1994, 49, 2993-3001.	1.0	98
14	Quantum phenomena in resonators with moving walls. Journal of Mathematical Physics, 1993, 34, 2742-2756.	0.5	96
15	Fifty Years of the Dynamical Casimir Effect. Physics, 2020, 2, 67-104.	0.5	93
16	Multidimensional Hermite polynomials and photon distribution for polymode mixed light. Physical Review A, 1994, 50, 813-817.	1.0	88
17	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.	1.0	80
18	Even and odd coherent states for multimode parametric systems. Physical Review A, 1995, 51, 3328-3336.	1.0	78

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19	Dynamical squeezing of photon-added coherent states. <i>Physical Review A</i> , 1998, 58, 4087-4094.	1.0	71
20	Nonstationary Casimir Effect and Analytical Solutions for Quantum Fields in Cavities with Moving Boundaries. , 0, , 309-394.		65
21	Coherent states of a charged particle in a time-dependent uniform electromagnetic field of a plane current. <i>Physica</i> , 1972, 59, 241-256.	0.9	63
22	Quantum particle in a box with moving walls. <i>Journal of Mathematical Physics</i> , 1993, 34, 3391-3404.	0.5	62
23	Universal integrals of motion and universal invariants of quantum systems. <i>Journal of Physics A</i> , 2000, 33, 7721-7738.	1.6	62
24	Loss energy states of nonstationary quantum systems. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1978, 44, 265-274.	0.2	60
25	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
26	The nonstationary Casimir effect in a cavity with periodical time-dependent conductivity of a semiconductor mirror. <i>Journal of Physics A</i> , 2006, 39, 6271-6281.	1.6	58
27	Quantum nonstationary oscillator: Models and applications. <i>Journal of Russian Laser Research</i> , 1995, 16, 1-56.	0.3	57
28	Resonance photon generation in a vibrating cavity. <i>Journal of Physics A</i> , 1998, 31, 9835-9854.	1.6	56
29	Purity- and entropy-bounded uncertainty relations for mixed quantum states. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2002, 4, S98-S108.	1.4	56
30	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
31	Dynamical Casimir effect in a nondegenerate cavity with losses and detuning. <i>Physical Review A</i> , 1998, 58, 4147-4152.	1.0	55
32	Quantum Harmonic Oscillator and Nonstationary Casimir Effect. <i>Journal of Russian Laser Research</i> , 2005, 26, 445-483.	0.3	55
33	Separability dynamics of two-mode Gaussian states in parametric conversion and amplification. <i>Journal of Physics A</i> , 2005, 38, 683-696.	1.6	48
34	Quantum damped oscillator in a magnetic field. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1985, 130, 353-366.	1.2	44
35	Energy-sensitive and "Classical-like" Distances between Quantum States. <i>Physica Scripta</i> , 1999, 59, 81-89.	1.2	44
36	Creating quanta with an "Annihilation" operator. <i>Journal of Physics A</i> , 2002, 35, 8847-8857.	1.6	43

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37	New relations for two-dimensional Hermite polynomials. Journal of Mathematical Physics, 1994, 35, 4277-4294.	0.5	42
38	Correlated states in quantum electronics (resonant circuit). Journal of Soviet Laser Research, 1989, 10, 413-420.	0.2	41
39	Classicality and anticlassicality measures of pure and mixed quantum states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 308, 249-255.	0.9	41
40	Energy spectrum, potential and inertia functions of a generalized oscillator. Journal of Physics A, 2004, 37, 3707-3724.	1.6	41
41	Photon generation from vacuum in nondegenerate cavities with regular and random periodic displacements of boundaries. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 317, 378-388.	0.9	40
42	The nonstationary Casimir effect and quantum systems with moving boundaries. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S1-S11.	1.4	39
43	Long-time asymptotics of a quantized electromagnetic field in a resonator with oscillating boundary. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 167, 309-313.	0.9	37
44	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.	0.9	37
45	Nonstationary Casimir effect in cavities with two resonantly coupled modes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 289, 291-300.	0.9	35
46	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
47	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
48	QED effects in a cavity with a time-dependent thin semiconductor slab excited by laser pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, S749-S766.	0.6	33
49	Squeezing and photon distribution in a vibrating cavity. Journal of Physics A, 1999, 32, 6711-6726.	1.6	32
50	Phase space eigenfunctions of multidimensional quadratic hamiltonians. Physica A: Statistical Mechanics and Its Applications, 1986, 137, 306-316.	1.2	31
51	Uniform Nonlinear Evolution Equations for Pure and Mixed Quantum States. Annals of Physics, 1995, 237, 226-268.	1.0	31
52	Analytical and numerical analysis of the atom-field dynamics in non-stationary cavity QED. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 225502.	0.6	31
53	Approximate analytical results on the cavity dynamical Casimir effect in the presence of a two-level atom. Physical Review A, 2012, 85, .	1.0	30
54	Dynamical Casimir effect in two-atom cavity QED. Physical Review A, 2012, 85, .	1.0	30

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55	Decoherence and thermalization dynamics of a quantum oscillator. Journal of Optics B: Quantum and Semiclassical Optics, 2000, 2, 271-281.	1.4	29
56	Decoherence of superpositions of displaced number states. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S490-S499.	1.4	29
57	Dynamical Casimir effect: Some theoretical aspects. Journal of Physics: Conference Series, 2009, 161, 012027.	0.3	29
58	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
59	Photon number oscillation in correlated light. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 134, 211-216.	0.9	28
60	Resonance excitation and cooling of electromagnetic modes in a cavity with an oscillating wall. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 213, 219-225.	0.9	28
61	Energy density and packet formation in a vibrating cavity. Journal of Physics A, 2000, 33, 3209-3223.	1.6	28
62	Energy–time and frequency–time uncertainty relations: exact inequalities. Physica Scripta, 2015, 90, 074049.	1.2	28
63	Information transfer in the course of a quantum interaction. Journal of Optics B: Quantum and Semiclassical Optics, 1999, 1, 610-617.	1.4	27
64	Dynamical Casimir effect in a cavity with an N-level detector or N+1 two-level atoms. Physical Review A, 2012, 86, .	1.0	26
65	Integrals of motion of pure and mixed quantum systems. Physica A: Statistical Mechanics and Its Applications, 1978, 94, 403-412.	1.2	25
66	Asymptotic formulae for two-variable Hermite polynomials. Journal of Physics A, 1994, 27, 6191-6203.	1.6	25
67	Strong modifications of the field statistics in the cavity dynamical Casimir effect due to the interaction with two-level atoms and detectors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 4261-4267.	0.9	25
68	Green function and excitation of a singular oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 1972, 39, 377-378.	0.9	24
69	Covariance entanglement measure for two-mode continuous variable systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 296, 73-81.	0.9	24
70	Coherent states and Green functions of relativistic quadratic systems. Physica A: Statistical Mechanics and Its Applications, 1976, 82, 113-133.	1.2	23
71	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
72	Generation of photons in a lossy and detuned cavity with an oscillating boundary. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 244, 517-522.	0.9	23

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73	Deflection of quantum particles by impenetrable boundary. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 275, 173-181.	0.9	23
74	Universal invariants of quantum-mechanical and optical systems. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000, 17, 2403.	0.8	23
75	Resonance generation of photons from vacuum in cavities due to strong periodical changes of conductivity in a thin semiconductor boundary layer. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, S47-S58.	1.4	23
76	The Green function and thermodynamical properties of quadratic systems. <i>Journal of Physics A</i> , 1975, 8, L19-L22.	1.6	22
77	Wigner functions of quadratic systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1982, 115, 215-231.	1.2	22
78	Correlation functions of the nonstationary quantum singular oscillator. <i>Journal of Physics A</i> , 1986, 19, 3229-3239.	1.6	22
79	Quantization and generation of squeezed states of electromagnetic field in a cavity with variable parameters. <i>Journal of Soviet Laser Research</i> , 1991, 12, 439-446.	0.2	22
80	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
81	A consistent quantum model for continuous photodetection processes. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2003, 5, S271-S280.	1.4	22
82	Tunnelling of narrow Gaussian packets through delta potentials. <i>Journal of Physics A</i> , 2004, 37, 2423-2438.	1.6	22
83	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
84	Dynamical Casimir effect in a cavity in the presence of a three-level atom. <i>Physical Review A</i> , 2012, 85, .	1.0	21
85	Transmission of Correlated Gaussian Packets Through a Delta-Potential. <i>Journal of Russian Laser Research</i> , 2014, 35, 39-46.	0.3	21
86	Photon distribution in the dynamical Casimir effect with an account of dissipation. <i>Physical Review A</i> , 2009, 80, .	1.0	20
87	Low energy wave packet tunneling from a parabolic potential well through a high potential barrier. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 220, 41-48.	0.9	19
88	Exact stationary photon distributions due to competition between one- and two-photon absorption and emission. <i>Journal of Physics A</i> , 1997, 30, 5657-5667.	1.6	19
89	Statistical properties of Schrödinger real and imaginary cat states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 199, 123-130.	0.9	18
90	Nonclassicality of States in Quantum Optics. <i>Fortschritte Der Physik</i> , 2001, 49, 1117.	1.5	18

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91	Quantum state exchange between coupled modes. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, S191-S199.	1.4	18
92	Shrinking quantum packets in one dimension. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 310, 101-109.	0.9	18
93	Variance uncertainty relations without covariances for three and four observables. Physical Review A, 2018, 97, .	1.0	18
94	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
95	Invariants, Green's function, and coherent states of dynamical systems. Theoretical and Mathematical Physics(Russian Federation), 1975, 24, 746-754.	0.3	16
96	Covariance measures of intermode correlations and inseparability for continuous variable quantum systems. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, S593-S608.	1.4	15
97	Wigner functions and statistical moments of quantum states with definite parity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 364, 368-371.	0.9	15
98	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
99	Quantum photodetection distributions with $\hat{\rho}$ -nonlinear quantum jump superoperators. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, 99-108.	1.4	14
100	Engineering quantum jump superoperators for single-photon detectors. Physical Review A, 2006, 74, .	1.0	14
101	Dynamical Casimir effect in ultra-cold matter with a time-dependent effective charge. Physica Scripta, 2014, T160, 014008.	1.2	14
102	Tunneling of slow quantum packets through the high Coulomb barrier. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 1071-1073.	0.9	14
103	Decoherence of odd compass states in the phase-sensitive amplifying/dissipating environment. Annals of Physics, 2016, 371, 296-312.	1.0	14
104	Quantum properties of high-Q macroscopic resonators. Soviet Journal of Quantum Electronics, 1980, 10, 1232-1238.	0.1	13
105	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
106	Exact solutions for a mode of the electromagnetic field in a resonator with time-dependent characteristics of the internal medium. Journal of Soviet Laser Research, 1992, 13, 219-230.	0.2	13
107	Decoherence and transfer of quantum states of field modes in a one-dimensional cavity with an oscillating boundary. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S468-S479.	1.4	13
108	Microscopic models of quantum-jump superoperators. Physical Review A, 2005, 72, .	1.0	13

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109	Invariant Quantum States of Quadratic Hamiltonians. Entropy, 2021, 23, 634.	1.1	13
110	Quantum evolution of the localized state. Physica A: Statistical Mechanics and Its Applications, 1990, 168, 1055-1072.	1.2	12
111	Doebner-Goldin nonlinear model of quantum mechanics for a damped oscillator in a magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 181, 129-134.	0.9	12
112	Time-dependent quantum damped oscillator with $\hat{\epsilon}$ minimal noise <sup>TM</sup> : application to the nonstationary Casimir effect in nonideal cavities. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S445-S451.	1.4	12
113	Dynamics of entanglement between field modes in a one-dimensional cavity with a vibrating boundary. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S11-S20.	1.4	12
114	Nonclassical properties of $\hat{\epsilon}$ semi-coherent <sup>TM</sup> quantum states. Journal of Physics A, 2006, 39, 7411-7422.	1.6	12
115	Coherent States and Their Generalizations for a Charged Particle in a Magnetic Field. Springer Proceedings in Physics, 2018, , 311-338.	0.1	12
116	Invariants and nonequilibrium density matrices. Journal of Statistical Physics, 1977, 16, 357-370.	0.5	11
117	A new class of nonlinear generalizations of the Schrodinger equation. Journal of Physics A, 1993, 26, 7163-7168.	1.6	11
118	Operational approach for reconstruction of quantum distributions in a preamplified homodyne-detection scheme. Physical Review A, 1997, 56, 4278-4286.	1.0	11
119	Dispersive limit of the dissipative Jaynes-Cummings model with a squeezed reservoir. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, S567-S580.	1.4	11
120	Upper bounds on the relative energy difference of pure and mixed Gaussian states with a fixed fidelity. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 032002.	0.7	11
121	Perspective on Some Recent and Future Developments in Casimir Interactions. Applied Sciences (Switzerland), 2021, 11, 293.	1.3	11
122	Green functions for relativistic particles in non-uniform external fields. Journal of Physics A, 1976, 9, 1791-1796.	1.6	10
123	Propagators for quantum oscillator chains. Journal of Soviet Laser Research, 1991, 12, 385-394.	0.2	10
124	Finite-length Soliton Solutions of the Local Homogeneous Nonlinear Schrödinger Equation. Physica Scripta, 1998, 58, 417-420.	1.2	10
125	The reflection of narrow slow quantum packets from mirrors. Journal of Physics A, 2002, 35, 8373-8392.	1.6	10
126	On shrinking and expansion of radial wave packets. Journal of Physics A, 2003, 36, 7113-7128.	1.6	10



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127	Theory of the dynamical Casimir effect in nonideal cavities with time-dependent parameters. Journal of Physics: Conference Series, 2008, 99, 012006.	0.3	10
128	Classicalization times of parametrically amplified $\hat{\rho}$ Schrödinger cat states coupled to phase-sensitive reservoirs. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3668-3676.	0.9	10
129	Influence of the field-detector coupling strength on the dynamical Casimir effect. Physical Review A, 2013, 87, .	1.0	10
130	The quasi-classical propagator of a quantum particle in a uniform field in a half space. Journal of Physics A, 1985, 18, 467-477.	1.6	9
131	Correlated states of a quantum oscillator and of a quantum chain of oscillators with a $\delta$ bump in frequency. Journal of Soviet Laser Research, 1992, 13, 196-214.	0.2	9
132	Decay times of quantum states in one- and two-photon absorption processes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 223, 404-410.	0.9	9
133	Entanglement of Resonantly Coupled Field Modes in Cavities with Vibrating Boundaries. Journal of Russian Laser Research, 2002, 23, 531-564.	0.3	9
134	Purity and squeezing exchange between coupled bosonic modes. Physical Review A, 2006, 73, .	1.0	9
135	Resonance frequency shift in a cavity with a thin conducting film near a conducting wall. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 33-37.	0.9	9
136	Exact green function of a damped oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 1979, 72, 10-12.	0.9	8
137	Eigenfunctions of quadratic Hamiltonians in the Wigner representation. Theoretical and Mathematical Physics(Russian Federation), 1984, 60, 907-913.	0.3	8
138	Quasi-energies and chaotic behaviour of a periodically delta-kicked quantum singular oscillator. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1993, 108, 1349-1363.	0.2	8
139	Generalized nonlinear Doebner-Goldin Schrödinger equation and the relaxation of quantum systems. Physica A: Statistical Mechanics and Its Applications, 1995, 214, 619-628.	1.2	8
140	Competition between one- and two-photon absorption processes. Journal of Physics A, 1997, 30, 2915-2935.	1.6	8
141	Signal-to-noise ratio of preamplified homodyne detection in quantum tomography. Physical Review A, 1998, 57, 3885-3897.	1.0	8
142	Production of two-Fock states superpositions from even circular states and their decoherence. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 282, 235-244.	0.9	8
143	Effect of Phase-Sensitive Reservoir on the Decoherence of Pair-Cat Coherent States. Journal of Russian Laser Research, 2001, 22, 534-544.	0.3	8
144	Inclusion of nonidealities in the continuous photodetection model. Physical Review A, 2007, 75, .	1.0	8

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145	Squeezed states and uncertainty relations since 1991. Journal of Russian Laser Research, 2007, 28, 404-428.	0.3	8
146	Photon statistics in the dynamical Casimir effect modified by a harmonic oscillator detector. Physica Scripta, 2013, T153, 014017.	1.2	8
147	Time Crystals in Ultracold Matter. Journal of Russian Laser Research, 2014, 35, 93-100.	0.3	8
148	Squeezing of Relative and Center-of-Orbit Coordinates of a Charged Particle by Step-Wise Variations of a Uniform Magnetic Field with an Arbitrary Linear Vector Potential. Journal of Russian Laser Research, 2018, 39, 389-400.	0.3	8
149	Invariants and Green's functions of a relativistic charged particle in electromagnetic fields. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1975, 14, 241-244.	0.4	7
150	Relaxation of a quantum particle in a magnetic field. Theoretical and Mathematical Physics(Russian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	7
151	Nonlinear Schr�dinger-Liouville Equation with Antiermitian Terms. Physica Scripta, 1998, 57, 24-27.	1.2	7
152	Quantum state exchange between indirectly coupled modes. Physical Review A, 2005, 71, .	1.0	7
153	Quantum master equations from classical Lagrangians with two stochastic forces. Physical Review E, 2007, 75, 011132.	0.8	7
154	Dynamical Casimir effect in a cavity with a weakly non-equidistant spectrum. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1903-1906.	0.9	7
155	Continuous monitoring of the dynamical Casimir effect with a damped detector. Physical Review A, 2014, 89, .	1.0	7
156	Change of energy and magnetic moment of a quantum charged particle after a fast jump of the magnetic field in solenoids of arbitrary cross sections. Physica A: Statistical Mechanics and Its Applications, 2021, 571, 125843.	1.2	7
157	Energy and Magnetic Moment of a Quantum Charged Particle in Time-Dependent Magnetic and Electric Fields of Circular and Plane Solenoids. Entropy, 2021, 23, 1579.	1.1	7
158	A COMPARISON BETWEEN WEHRL�LIEB AND VON NEUMANN ENTROPIES FOR TIME-EVOLVING SPIN-1/2 MIXED STATES. Modern Physics Letters B, 1994, 08, 995-1006.	1.0	6
159	delta -kicked Landau levels. Journal of Physics A, 1995, 28, 197-208.	1.6	6
160	Parametric Excitation of Photon-added Coherent States. Physica Scripta, 1998, 58, 469-480.	1.2	6
161	Nonclassical Field States in Quantum Optics and Particle Physics. Journal of Russian Laser Research, 1998, 19, 427-464.	0.3	6
162	Universal invariants in quantum mechanics and physics of optical and particle beams. Journal of Russian Laser Research, 2000, 21, 438-464.	0.3	6

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163	The Heisenberg-Langevin model of a quantum damped harmonic oscillator with time-dependent frequency and damping coefficients. <i>Journal of Russian Laser Research</i> , 2006, 27, 379-388.	0.3	6
164	Comparing energy difference and fidelity of quantum states. <i>Journal of Russian Laser Research</i> , 2011, 32, 412-421.	0.3	6
165	Rotating quantum Gaussian packets. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 435303.	0.7	6
166	A Quantum Charged Particle under Sudden Jumps of the Magnetic Field and Shape of Non-Circular Solenoids. <i>Quantum Reports</i> , 2019, 1, 193-207.	0.6	6
167	The quasi-classical equilibrium Wigner distribution function of an electron gas in a nonuniform electromagnetic field. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1985, 132, 269-283.	1.2	5
168	Correlated states and quantum noise of an oscillatory contour. <i>Measurement Techniques</i> , 1990, 33, 102-104.	0.2	5
169	Long-time evolution of a quantized electromagnetic field in a resonator with a moving wall. <i>Journal of Soviet Laser Research</i> , 1992, 13, 230-241.	0.2	5
170	Strict lower bound for the spatial spreading of a relativistic particle. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 177, 394-398.	0.9	5
171	Effect of dissipation and reservoir temperature on squeezing exchange and emergence of entanglement between two coupled bosonic modes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 367-374.	0.9	5
172	Loss of nonclassical properties of quantum states in linear phase-insensitive processes with arbitrary time-dependent parameters. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 2646-2651.	0.9	5
173	Dynamical Casimir effect in microwave cavities containing nonlinear crystals. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 214009.	0.7	5
174	Magnetic-moment probability distribution of a quantum charged particle in thermodynamic equilibrium. <i>Physical Review A</i> , 2020, 102, .	1.0	5
175	Quantum integrals of motion and gravity wave experiment: Measurements in pure quantum states. <i>Foundations of Physics</i> , 1983, 13, 607-628.	0.6	4
176	Probing colored noise from the index of refraction of strongly driven two-level atoms. <i>Physical Review A</i> , 1999, 60, 4045-4051.	1.0	4
177	Quantum coupled oscillators versus forced oscillator. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2001, 3, 228-237.	1.4	4
178	Decoherence of multicomponent and multimode generalizations of even/odd coherent states in thermal and phase reservoirs. <i>Journal of Russian Laser Research</i> , 2007, 28, 453-482.	0.3	4
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