

# Vyacheslav I Yukalov

## List of Publications by Year in descending order

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323  
papers

7,251  
citations

71061

41  
h-index

110317

64  
g-index

324  
all docs

324  
docs citations

324  
times ranked

1907  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-similar sequence transformation for critical exponents. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 425, 127899.	0.9	2
2	Statistical theory of structures with extended defects. , 2022, , 417-443.		0
3	Methods of Retrieving Large-Variable Exponents. Symmetry, 2022, 14, 332.	1.1	8
4	Self-excited waves in complex social systems. Physica D: Nonlinear Phenomena, 2022, 433, 133188.	1.3	3
5	Role of collective information in networks of quantum operating agents. Physica A: Statistical Mechanics and Its Applications, 2022, , 127365.	1.2	8
6	Calculating critical temperature and critical exponents by self-similar approximants. Journal of Physics: Conference Series, 2022, 2249, 012012.	0.3	0
7	Tossing quantum coins and dice. Laser Physics, 2021, 31, 055201.	0.6	5
8	Self-similar extrapolation in quantum field theory. Physical Review D, 2021, 103, .	1.6	4
9	A resolution of St. Petersburg paradox. Journal of Mathematical Economics, 2021, 97, 102537.	0.4	8
10	From Asymptotic Series to Self-Similar Approximants. Physics, 2021, 3, 829-878.	0.5	11
11	Zeroth-Order Nucleation Transition under Nanoscale Phase Separation. Symmetry, 2021, 13, 2379.	1.1	3
12	Destiny of optical lattices with strong intersite interactions. Laser Physics, 2020, 30, 015501.	0.6	6
13	Characteristic quantities for nonequilibrium Bose systems. Journal of Physics: Conference Series, 2020, 1508, 012006.	0.3	2
14	Regulating spin dynamics of graphene flakes. , 2020, , 45-55.		0
15	Order Indices and Entanglement Production in Quantum Systems. Entropy, 2020, 22, 565.	1.1	5
16	Self-similar extrapolation of nonlinear problems from small-variable to large-variable limit. International Journal of Modern Physics B, 2020, 34, 2050208.	1.0	2
17	Evolutionary Processes in Quantum Decision Theory. Entropy, 2020, 22, 681.	1.1	25
18	Saga of Superfluid Solids. Physics, 2020, 2, 49-66.	0.5	29

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19	Hartreeâ€“Fockâ€“Bogolubov Method in the Theory of Bose-Condensed Systems. Physics of Particles and Nuclei, 2020, 51, 823-828.	0.2	1
20	Reply to â€œComment on â€˜Ultrafast polarization switching in ferroelectrics'â€œ. Physical Review Research, 2020, 2, .	1.3	0
21	Superradiance by ferroelectrics in cavity resonators. Laser Physics, 2019, 29, 124007.	0.6	0
22	Mid-range order in trapped quasi-condensates of bosonic atoms. Laser Physics Letters, 2019, 16, 065501.	0.6	2
23	Describing phase transitions in field theory by self-similar approximants. EPJ Web of Conferences, 2019, 204, 02003.	0.1	2
24	Particle Fluctuations in Mesoscopic Bose Systems. Symmetry, 2019, 11, 603.	1.1	6
25	Interplay between Approximation Theory and Renormalization Group. Physics of Particles and Nuclei, 2019, 50, 141-209.	0.2	27
26	Entanglement production by statistical operators. Laser Physics, 2019, 29, 065502.	0.6	6
27	Self-similarly corrected PadÃ© approximants for nonlinear equations. International Journal of Modern Physics B, 2019, 33, 1950353.	1.0	10
28	Ultrafast polarization switching in ferroelectrics. Physical Review Research, 2019, 1, .	1.3	8
29	Characterization of nonequilibrium states of trapped Boseâ€“Einstein condensates. Laser Physics Letters, 2018, 15, 065501.	0.6	7
30	Dipolar and spinor bosonic systems. Laser Physics, 2018, 28, 053001.	0.6	45
31	Local condensate depletion at trap center under strong interactions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 085301.	0.6	2
32	Quantitative Predictions in Quantum Decision Theory. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 366-381.	5.9	40
33	Information processing by networks of quantum decision makers. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 747-766.	1.2	27
34	Effects of Symmetry Breaking in Resonance Phenomena. Condensed Matter, 2018, 3, 5.	0.8	1
35	Regulating spin reversal in dipolar systems by the quadratic Zeeman effect. Physical Review B, 2018, 98, .	1.1	4
36	Spin dynamics in lattices of spinor atoms with quadratic Zeeman effect. European Physical Journal D, 2018, 72, 1.	0.6	3

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37	Influence of quadratic Zeeman effect on spin waves in dipolar lattices. Journal of Magnetism and Magnetic Materials, 2018, 465, 450-456.	1.0	4
38	Dynamic Transition in Symbiotic Evolution Induced by Growth Rate Variation. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1730013.	0.7	1
39	Bose-Einstein condensation temperature of weakly interacting atoms. Laser Physics Letters, 2017, 14, 073001.	0.6	15
40	Additive self-similar approximants. Journal of Mathematical Chemistry, 2017, 55, 607-622.	0.7	6
41	Critical indices from self-similar root approximants. European Physical Journal Plus, 2017, 132, 1.	1.2	18
42	Critical temperature in weakly interacting multicomponent field theory. EPJ Web of Conferences, 2017, 138, 03011.	0.1	6
43	Entanglement production by evolution operator. Journal of Physics: Conference Series, 2017, 826, 012021.	0.3	4
44	Quantum Probabilities as Behavioral Probabilities. Entropy, 2017, 19, 112.	1.1	31
45	Calibration of Quantum Decision Theory, Aversion to Large Losses and Predictability of Probabilistic Choices. SSRN Electronic Journal, 2016, , .	0.4	5
46	Inconclusive Quantum Measurements and Decisions under Uncertainty. Frontiers in Physics, 2016, 4, .	1.0	9
47	Nanoscale Phase Separation in Ferroelectric Materials. Journal of Superconductivity and Novel Magnetism, 2016, 29, 3119-3126.	0.8	2
48	Bose-condensed atomic systems with nonlocal interaction potentials. Laser Physics, 2016, 26, 045501.	0.6	15
49	Theory of cold atoms: Bose-Einstein statistics. Laser Physics, 2016, 26, 062001.	0.6	25
50	Self-similarly corrected Padé approximants for the indeterminate problem. European Physical Journal Plus, 2016, 131, 1.	1.2	25
51	Hilbert-space localization in closed quantum systems. Physical Review A, 2016, 93, .	1.0	16
52	Statistical systems with nonintegrable interaction potentials. Physical Review E, 2016, 94, 012106.	0.8	9
53	Phonon instability of insulating states in optical lattices. Journal of Physics: Conference Series, 2016, 691, 012014.	0.3	2
54	Vortex rings and vortex ring solitons in shaken Bose-Einstein condensate. Journal of Physics: Conference Series, 2016, 691, 012019.	0.3	3

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55	Spintronics with Magnetic Nanomolecules and Graphene Flakes. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 721-726.	0.8	4
56	Quantum probability and quantum decision-making. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150100.	1.6	35
57	Quantum Decision Theory in Simple Risky Choices. <i>PLoS ONE</i> , 2016, 11, e0168045.	1.1	26
58	Evolutional entanglement production. <i>Physical Review A</i> , 2015, 92, .	1.0	7
59	Quantum theory of measurements as quantum decision theory. <i>Journal of Physics: Conference Series</i> , 2015, 594, 012048.	0.3	6
60	Effective Summation and Interpolation of Series by Self-Similar Root Approximants. <i>Mathematics</i> , 2015, 3, 510-526.	1.1	9
61	Preference reversal in quantum decision theory. <i>Frontiers in Psychology</i> , 2015, 6, 1538.	1.1	19
62	Optical lattice with heterogeneous atomic density. <i>Laser Physics</i> , 2015, 25, 035501.	0.6	3
63	Role of Information in Decision Making of Social Agents. <i>International Journal of Information Technology and Decision Making</i> , 2015, 14, 1129-1166.	2.3	25
64	Dynamical system theory of periodically collapsing bubbles. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	6
65	Instability of insulating states in optical lattices due to collective phonon excitations. <i>Physical Review A</i> , 2015, 91, .	1.0	11
66	Self-similar interpolation in high-energy physics. <i>Physical Review D</i> , 2015, 91, .	1.6	18
67	Realization of inverse Kibble-Zurek scenario with trapped Bose gases. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 1366-1371.	0.9	40
68	Strongly Nonequilibrium Bose-Condensed Atomic Systems. <i>Journal of Low Temperature Physics</i> , 2015, 180, 53-67.	0.6	12
69	Coherent radiation by magnets with exchange interactions. <i>Laser Physics</i> , 2015, 25, 085801.	0.6	3
70	Positive Operator-Valued Measures in Quantum Decision Theory. <i>Lecture Notes in Computer Science</i> , 2015, , 146-161.	1.0	9
71	Phase transition in multicomponent field theory at finite temperature. , 2015, , .		1
72	Formation of granular structures in trapped Bose-Einstein condensates under oscillatory excitations. <i>Laser Physics Letters</i> , 2014, 11, 095501.	0.6	25

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73	Population Dynamics with Nonlinear Delayed Carrying Capacity. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450021.	0.7	7
74	Coherent dynamics of radiating atomic systems in pseudospin representation. Laser Physics, 2014, 24, 094015.	0.6	10
75	New Approach to Modeling Symbiosis in Biological and Social Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450117.	0.7	6
76	Conditions for Quantum Interference in Cognitive Sciences. Topics in Cognitive Science, 2014, 6, 79-90.	1.1	40
77	Extrapolation of perturbation-theory expansions by self-similar approximants. European Journal of Applied Mathematics, 2014, 25, 595-628.	1.4	25
78	Statistical Theory of Materials with Nanoscale Phase Separation. Journal of Superconductivity and Novel Magnetism, 2014, 27, 919-924.	0.8	7
79	Bose-Einstein condensation in self-consistent mean-field theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 095302.	0.6	14
80	SELF-ORGANIZATION IN COMPLEX SYSTEMS AS DECISION MAKING. International Journal of Modeling, Simulation, and Scientific Computing, 2014, 17, 1450016.	0.9	28
81	Manipulating Decision Making of Typical Agents. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1155-1168.	5.9	36
82	Ground state of a homogeneous Bose gas of hard spheres. Physical Review A, 2014, 90, .	1.0	13
83	Quantum probabilities and entanglement for multimode quantum systems. Journal of Physics: Conference Series, 2014, 497, 012034.	0.3	6
84	How Brains Make Decisions. Springer Proceedings in Physics, 2014, , 37-53.	0.1	20
85	Effects of symmetry breaking in finite quantum systems. Physics Reports, 2013, 526, 1-91.	10.3	90
86	Order indices of density matrices for finite systems. Computational and Theoretical Chemistry, 2013, 1003, 37-43.	1.1	1
87	Mode interference in quantum joint probabilities for multimode Bose-condensed systems. Laser Physics Letters, 2013, 10, 115502.	0.6	10
88	Quantum probabilities of composite events in quantum measurements with multimode states. Laser Physics, 2013, 23, 105502.	0.6	28
89	Optimal conditions for magnetization reversal of nanocluster assemblies with random properties. Journal of Applied Physics, 2013, 113, 043902.	1.1	10
90	Theory of cold atoms: basics of quantum statistics. Laser Physics, 2013, 23, 062001.	0.6	22

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91	Utility Rate Equations of Group Population Dynamics in Biological and Social Systems. PLoS ONE, 2013, 8, e83225.	1.1	7
92	Fast magnetization reversal of nanoclusters in resonator. Journal of Applied Physics, 2012, 111, 023911.	1.1	8
93	Self-similar continued root approximants. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 377, 124-128.	0.9	11
94	Statistics of Multiscale Fluctuations in Macromolecular Systems. Journal of Physical Chemistry B, 2012, 116, 8435-8448.	1.2	4
95	Modeling symbiosis by interactions through species carrying capacities. Physica D: Nonlinear Phenomena, 2012, 241, 1270-1289.	1.3	24
96	Statistical outliers and dragon-kings as Bose-condensed droplets. European Physical Journal: Special Topics, 2012, 205, 53-64.	1.2	13
97	From Coherent Modes to Turbulence and Granulation of Trapped Gases. Progress in Optical Science and Photonics, 2012, , 377-401.	0.3	7
98	Decoherence and equilibration under nondestructive measurements. Annals of Physics, 2012, 327, 253-263.	1.0	20
99	Equilibration of quasi-isolated quantum systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 550-554.	0.9	19
100	Double-well optical lattices with atomic vibrations and mesoscopic disorder. Laser Physics, 2012, 22, 1070-1080.	0.6	7
101	Difference in Bose-Einstein condensation of conserved and unconserved particles. Laser Physics, 2012, 22, 1145-1168.	0.6	22
102	Extreme events in population dynamics with functional carrying capacity. European Physical Journal: Special Topics, 2012, 205, 313-354.	1.2	26
103	Quasi-equilibrium mixture of itinerant and localized bose atoms in optical lattice. Laser Physics, 2011, 21, 264-270.	0.6	12
104	Mesoscopic disorder in double-well optical lattices. Laser Physics, 2011, 21, 1448-1458.	0.6	10
105	Basics of Bose-Einstein condensation. Physics of Particles and Nuclei, 2011, 42, 460-513.	0.2	98
106	Decision theory with prospect interference and entanglement. Theory and Decision, 2011, 70, 283-328.	0.5	155
107	Equilibration and thermalization in finite quantum systems. Laser Physics Letters, 2011, 8, 485-507.	0.6	131
108	Transition to quantum turbulence in finite-size superfluids. Laser Physics Letters, 2011, 8, 393-397.	0.6	37

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109	Route to turbulence in a trapped Bose-Einstein condensate. Laser Physics Letters, 2011, , n/a-n/a.	0.6	13
110	Possibility of superradiance by magnetic nanoclusters. Laser Physics Letters, 2011, 8, 804-813.	0.6	20
111	Nonequilibrium representative ensembles for isolated quantum systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2797-2801.	0.9	20
112	Entanglement production in quantum decision making. Physics of Atomic Nuclei, 2010, 73, 559-562.	0.1	31
113	Extrapolation and interpolation of asymptotic series by self-similar approximants. Journal of Mathematical Chemistry, 2010, 47, 959-983.	0.7	17
114	Self-similar extrapolation from weak to strong coupling. Journal of Mathematical Chemistry, 2010, 48, 883-913.	0.7	23
115	Turbulent superfluid as continuous vortex mixture. Laser Physics Letters, 2010, 7, 467-476.	0.6	28
116	Fluctuation indices for atomic systems with Bose-Einstein condensate. Laser Physics Letters, 2010, 7, 831-836.	0.6	7
117	Systems with Symmetry Breaking and Restoration. Symmetry, 2010, 2, 40-68.	1.1	12
118	Dynamics of quantum dot superradiance. Physical Review B, 2010, 81, .	1.1	31
119	MATHEMATICAL STRUCTURE OF QUANTUM DECISION THEORY. International Journal of Modeling, Simulation, and Scientific Computing, 2010, 13, 659-698.	0.9	83
120	Adiabatic theorems for linear and nonlinear Hamiltonians. Physical Review A, 2009, 79, .	1.0	20
121	Processing Information in Quantum Decision Theory. Entropy, 2009, 11, 1073-1120.	1.1	80
122	Nonlinear dynamics of ultracold gases in double-well lattices. Laser Physics Letters, 2009, 6, 235-241.	0.6	19
123	Generation of nonground-state condensates and adiabatic paradox. Laser Physics Letters, 2009, 6, 399-403.	0.6	25
124	Particle fluctuations in nonuniform and trapped Bose gases. Laser Physics Letters, 2009, 6, 688-695.	0.6	11
125	Scheme of thinking quantum systems. Laser Physics Letters, 2009, 6, 833-839.	0.6	47
126	Punctuated evolution due to delayed carrying capacity. Physica D: Nonlinear Phenomena, 2009, 238, 1752-1767.	1.3	38



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127	Regulating atomic imbalance in double-well lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1301-1304.	0.9	7
128	Cold bosons in optical lattices. <i>Laser Physics</i> , 2009, 19, 1-110.	0.6	172
129	Bose systems in spatially random or time-varying potentials. <i>Laser Physics</i> , 2009, 19, 686-699.	0.6	18
130	Nonlinear dynamical model of regime switching between conventions and business cycles. <i>Journal of Economic Behavior and Organization</i> , 2009, 70, 206-230.	1.0	17
131	Physics of risk and uncertainty in quantum decision making. <i>European Physical Journal B</i> , 2009, 71, 533-548.	0.6	72
132	Optimisation of self-similar factor approximants. <i>Molecular Physics</i> , 2009, 107, 2237-2244.	0.8	9
133	ENDOGENOUS VERSUS EXOGENOUS ORIGINS OF DISEASES. <i>Journal of Biological Systems</i> , 2009, 17, 225-267.	0.5	13
134	Stable States of Biological Organisms. <i>Concepts of Physics: the Old and New: an Open-dialogue Journal / [Institute of Physic, University of Lodz]</i> , 2009, 6, 179-196.	0.2	4
135	Quantum decision theory as quantum theory of measurement. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 6867-6871.	0.9	101
136	Coherent spin radiation by magnetic nanomolecules and nanoclusters. <i>Laser Physics Letters</i> , 2008, 5, 887-893.	0.6	22
137	Representative statistical ensembles for Bose systems with broken gauge symmetry. <i>Annals of Physics</i> , 2008, 323, 461-499.	1.0	60
138	Self-similar factor approximants for evolution equations and boundary-value problems. <i>Annals of Physics</i> , 2008, 323, 3074-3090.	1.0	18
139	Coherent spin relaxation in molecular magnets. <i>Physical Review B</i> , 2008, 77, .	1.1	25
140	Cold atoms in double-well optical lattices. <i>Physical Review A</i> , 2008, 78, .	1.0	21
141	Generation of nonground-state Bose-Einstein condensates by modulating atomic interactions. <i>Physical Review A</i> , 2008, 78, .	1.0	31
142	Entanglement production with Bose atoms in optical lattices. <i>Journal of Physics: Conference Series</i> , 2008, 104, 012003.	0.3	7
143	REPRESENTATIVE ENSEMBLES IN STATISTICAL MECHANICS. <i>International Journal of Modern Physics B</i> , 2007, 21, 69-86.	1.0	20
144	Condensate and superfluid fractions for varying interactions and temperature. <i>Physical Review A</i> , 2007, 76, .	1.0	22

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145	Bose-Einstein-condensed systems in random potentials. <i>Physical Review A</i> , 2007, 75, .	1.0	69
146	Order parameter for the dynamical phase transition in Bose-Einstein condensates with topological modes. <i>Physical Review A</i> , 2007, 76, .	1.0	11
147	Bose-Einstein-condensed gases in arbitrarily strong random potentials. <i>Physical Review A</i> , 2007, 76, .	1.0	37
148	Bose-Einstein condensation and gauge symmetry breaking. <i>Laser Physics Letters</i> , 2007, 4, 632-647.	0.6	59
149	Ramsey-like fringes observation during excitation of coherent modes in a Bose-Einstein condensate. <i>Nuclear Physics A</i> , 2007, 790, 776c-779c.	0.6	5
150	Method of self-similar factor approximants. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 368, 341-347.	0.9	28
151	Calculation of critical exponents by self-similar factor approximants. <i>European Physical Journal B</i> , 2007, 55, 93-99.	0.6	20
152	Ramsey fringes formation during excitation of topological modes in a Bose-Einstein condensate. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 365, 126-130.	0.9	8
153	Structure factor of Bose-condensed systems. <i>Journal of Physical Studies</i> , 2007, 11, 55-62.	0.2	5
154	Bose-Einstein-condensed gases with arbitrary strong interactions. <i>Physical Review A</i> , 2006, 74, .	1.0	28
155	Self-consistent theory of Bose-condensed systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 359, 712-717.	0.9	34
156	Entanglement production with multimode Bose-einstein condensates in optical lattices. <i>Laser Physics</i> , 2006, 16, 354-359.	0.6	14
157	Nonequivalent operator representations for Bose-condensed systems. <i>Laser Physics</i> , 2006, 16, 511-525.	0.6	29
158	Self-similar power transforms in extrapolation problems. <i>Journal of Mathematical Chemistry</i> , 2006, 39, 47-56.	0.7	18
159	Kinetic energy of Bose systems and variation of statistical averages. <i>Laser Physics Letters</i> , 2006, 3, 106-111.	0.6	3
160	Nonequilibrium Bose systems and nonground-state Bose-Einstein condensates. <i>Laser Physics Letters</i> , 2006, 3, 406-414.	0.6	28
161	Gapless Hartree-Fock-Bogoliubov approximation for Bose gases. <i>Physical Review A</i> , 2006, 73, .	1.0	47
162	Regulating entanglement production in multitrapped Bose-Einstein condensates. <i>Physical Review A</i> , 2006, 73, .	1.0	22

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163	No anomalous fluctuations exist in stable equilibrium systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 340, 369-374.	0.9	20
164	Dynamics of Bose-Einstein condensates in one-dimensional optical lattices in the presence of transverse resonances. <i>European Physical Journal D</i> , 2005, 33, 253-263.	0.6	10
165	Self-similar variational perturbation theory for critical exponents. <i>Physical Review E</i> , 2005, 71, 026131.	0.8	14
166	Number-of-particle fluctuations in systems with Bose-Einstein condensate. <i>Laser Physics Letters</i> , 2005, 2, 156-161.	0.6	17
167	Absence of spin superradiance in resonatorless magnets. <i>Laser Physics Letters</i> , 2005, 2, 302-308.	0.6	17
168	Spin superradiance versus atomic superradiance. <i>Laser Physics Letters</i> , 2005, 2, 356-361.	0.6	13
169	Fermi-Bose mapping for one-dimensional Bose gases. <i>Laser Physics Letters</i> , 2005, 2, 375-382.	0.6	140
170	Normal and anomalous averages for systems with Bose-Einstein condensate. <i>Laser Physics Letters</i> , 2005, 2, 506-511.	0.6	26
171	Dynamics of Nonground-State Bose-Einstein Condensates. <i>Journal of Low Temperature Physics</i> , 2005, 138, 657-662.	0.6	6
172	Nonlinear spin relaxation in strongly nonequilibrium magnets. <i>Physical Review B</i> , 2005, 71, .	1.1	37
173	Fluctuations of composite observables and stability of statistical systems. <i>Physical Review E</i> , 2005, 72, 066119.	0.8	48
174	Optimal trap shape for a Bose gas with attractive interactions. <i>Physical Review A</i> , 2005, 72, .	1.0	20
175	Modified semiclassical approximation for trapped Bose gases. <i>Physical Review A</i> , 2005, 72, .	1.0	50
176	Mesoscopic phase separation in anisotropic superconductors. <i>Physical Review B</i> , 2004, 70, .	1.1	26
177	Atomic squeezing under collective emission. <i>Physical Review A</i> , 2004, 70, .	1.0	17
178	Resonant generation of topological modes in trapped Bose-Einstein gases. <i>Physical Review A</i> , 2004, 69, .	1.0	42
179	EXTRAPOLATION OF POWER SERIES BY SELF-SIMILAR FACTOR AND ROOT APPROXIMANTS. <i>International Journal of Modern Physics B</i> , 2004, 18, 3027-3046.	1.0	24
180	Self-similar law of energy release before materials fracture. <i>Journal of the Mechanics and Physics of Solids</i> , 2004, 52, 453-465.	2.3	27

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181	Stratification of moving multicomponent Bose-Einstein condensates. Laser Physics Letters, 2004, 1, 50-53.	0.6	31
182	Principal problems in Bose-Einstein condensation of dilute gases. Laser Physics Letters, 2004, 1, 435-461.	0.6	128
183	Summation of power series by self-similar factor approximants. Physica A: Statistical Mechanics and Its Applications, 2003, 328, 409-438.	1.2	44
184	Irreversibility of time for quasi-isolated systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 308, 313-318.	0.9	17
185	Expansion exponents for nonequilibrium systems. Physica A: Statistical Mechanics and Its Applications, 2003, 320, 149-168.	1.2	12
186	Self-similar factor approximants. Physical Review E, 2003, 67, 026109.	0.8	55
187	Quantifying entanglement production of quantum operations. Physical Review A, 2003, 68, .	1.0	30
188	Entanglement Measure for Composite Systems. Physical Review Letters, 2003, 90, 167905.	2.9	32
189	RECONSTRUCTING GENERALIZED EXPONENTIAL LAWS BY SELF-SIMILAR EXPONENTIAL APPROXIMANTS. International Journal of Modern Physics C, 2003, 14, 509-527.	0.8	7
190	MESOSCOPIC PHASE FLUCTUATIONS: GENERAL PHENOMENON IN CONDENSED MATTER. International Journal of Modern Physics B, 2003, 17, 2333-2358.	1.0	36
191	EVOLUTIONAL ENTANGLEMENT IN NONEQUILIBRIUM PROCESSES. Modern Physics Letters B, 2003, 17, 95-103.	1.0	20
192	Processing Information by Punctuated Spin Superradiance. Physical Review Letters, 2002, 88, 257601.	2.9	16
193	Self-similar approximations for a trapped Bose-Einstein condensate. Physical Review A, 2002, 66, .	1.0	12
194	Stochastic instability of quasi-isolated systems. Physical Review E, 2002, 65, 056118.	0.8	18
195	Nonlinear coherent modes of trapped Bose-Einstein condensates. Physical Review A, 2002, 66, .	1.0	73
196	Topological coherent modes for nonlinear Schrodinger equation. Journal of Physics A, 2002, 35, 8603-8613.	1.6	18
197	Self-similar structures and fractal transforms in approximation theory. Chaos, Solitons and Fractals, 2002, 14, 839-861.	2.5	43
198	Magnetic semiconfinement of neutral atoms. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 297, 412-422.	0.9	1

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199	Matrix order indices in statistical mechanics. Physica A: Statistical Mechanics and Its Applications, 2002, 310, 413-434.	1.2	22
200	Title is missing!. International Journal of Fracture, 2002, 118, 63-68.	1.1	8
201	Coherent effects under suppressed spontaneous emission. European Physical Journal D, 2001, 13, 83-91.	0.6	9
202	Principle of pattern selection for nonequilibrium phenomena. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 284, 91-98.	0.9	13
203	Probabilistic approach to pattern selection. Physica A: Statistical Mechanics and Its Applications, 2001, 291, 255-274.	1.2	8
204	Self-similar approach to market analysis. European Physical Journal B, 2001, 20, 609-617.	0.6	12
205	Photon filamentation in resonant media with high Fresnel numbers. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 1gBT /Over 0,2	0.2	0
206	POSSIBILITY OF TURBULENT CRYSTALS. International Journal of Modern Physics B, 2001, 15, 2433-2453.	1.0	7
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