

Aleksandr V Shapovalov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8219948/publications.pdf>

Version: 2024-02-01

149
papers

522
citations

758635

12
h-index

839053

18
g-index

149
all docs

149
docs citations

149
times ranked

130
citing authors

#	ARTICLE	IF	CITATIONS
1	Noncommutative integration of linear differential equations. Theoretical and Mathematical Physics(Russian Federation), 1995, 104, 921-934.	0.3	51
2	The trajectory-coherent approximation and the system of moments for the Hartree type equation. International Journal of Mathematics and Mathematical Sciences, 2002, 32, 325-370.	0.3	32
3	Formation, control, and dynamics of Nlocalized structures in the Peyrard-Bishop model. Physical Review E, 2007, 76, 066603.	0.8	21
4	Separation of variables in the Dirac equation in Stackel spaces. Classical and Quantum Gravity, 1990, 7, 517-531.	1.5	20
5	Symmetry algebras of linear differential equations. Theoretical and Mathematical Physics(Russian) Tj ETQq1 1 0.784314 rgBT/Overlo	0.3	20
6	The one-dimensional Fisherâ€“Kolmogorov equation with a nonlocal nonlinearity in a semiclassical approximation. Russian Physics Journal, 2009, 52, 899-911.	0.2	20
7	The method of noncommutative integration for linear differential equations. Functional algebras and noncommutative dimensional reduction. Theoretical and Mathematical Physics(Russian Federation), 1996, 106, 1-10.	0.3	17
8	Non-Commutative Integration of the Dirac Equation in Homogeneous Spaces. Symmetry, 2020, 12, 1867.	1.1	17
9	Special StÃckel electrovac spacetimes. Pramana - Journal of Physics, 1986, 26, 93-108.	0.9	15
10	Diagnosis of oral lichen planus from analysis of saliva samples using terahertz time-domain spectroscopy and chemometrics. Journal of Biomedical Optics, 2018, 23, 1.	1.4	14
11	Separation of variables in the Dirac equation in Stackel spaces. II. External gauge fields. Classical and Quantum Gravity, 1991, 8, 163-173.	1.5	13
12	The evolution operator of the Hartree-type equation with a quadratic potential. Journal of Physics A, 2004, 37, 4535-4556.	1.6	13
13	The Dirac equation in an external electromagnetic field: symmetry algebra and exact integration. Journal of Physics: Conference Series, 2016, 670, 012015.	0.3	13
14	Semiclassical Trajectory-Coherent Approximations of Hartree-Type Equations. Theoretical and Mathematical Physics(Russian Federation), 2002, 130, 391-418.	0.3	12
15	HEAT TRANSFER ENHANCEMENT IN MINI CHANNELS WITH MICRO/NANO PARTICLES DEPOSITED ON A HEAT-LOADED WALL. Journal of Enhanced Heat Transfer, 2012, 19, 13-24.	0.5	12
16	Applications of principal component analysis to breath air absorption spectra profiles classification. , 2015, , .		12
17	Pattern formation in terms of semiclassically limited distribution on lower dimensional manifolds for the nonlocal Fisherâ€“Kolmogorovâ€“Petrovskiiâ€“Piskunov equation. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 025209.	0.7	11
18	Generation of new exactly solvable potentials of a nonstationary Schrödinger equation. Theoretical and Mathematical Physics(Russian Federation), 1991, 87, 635-640.	0.3	10

#	ARTICLE	IF	CITATIONS
19	Identities on solutions of the wave equation in the enveloping algebra of the conformal group. Theoretical and Mathematical Physics(Russian Federation), 1990, 83, 347-353.	0.3	9
20	An application of the Maslov complex germ method to the one-dimensional nonlocal Fisher-KPP equation. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850102.	0.8	9
21	Some Aspects of Nonlinearity and Self-Organization In Biosystems on Examples of Localized Excitations in the DNA Molecule and Generalized Fisher-KPP Model. Symmetry, 2018, 10, 53.	1.1	9
22	Yang-Mills gauge fields conserving the symmetry algebra of the Dirac equation in a homogeneous space. Journal of Physics: Conference Series, 2014, 563, 012004.	0.3	8
23	Berry phases for the nonlocal Gross-Pitaevskii equation with a quadratic potential. Journal of Physics A, 2006, 39, 1191-1206.	1.6	7
24	Asymptotics semiclassically concentrated on curves for the nonlocal Fisher-Kolmogorov-Petrovskii-Piskunov equation. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 305203.	0.7	7
25	Separation of variables in the Klein-Gordon equation. I. Soviet Physics Journal (English Translation) Tj ETQq1 1 0.784314 rgBT /Overlock	0.0	6
26	Kink velocity in nonstationary external fields for the sine-Gordon model with allowance for dissipation effects. Russian Physics Journal, 2008, 51, 89-98.	0.2	6
27	Evolution of initial distributions with one and two centers in a two-dimensional model of the reaction-diffusion type with a nonlocal interaction of finite radius. Russian Physics Journal, 2011, 54, 32-38.	0.2	6
28	Numerical simulation of the one-dimensional population dynamics with nonlocal competitive losses and convection. Russian Physics Journal, 2011, 54, 479-484.	0.2	6
29	Symmetry operators and separation of variables in the (2 + 1)-dimensional Dirac equation with external electromagnetic field. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850085.	0.8	6
30	Approximate Solutions and Symmetry of a Two-Component Nonlocal Reaction-Diffusion Population Model of the Fisher-KPP Type. Symmetry, 2019, 11, 366.	1.1	6
31	Dynamics of the Thermal Instability Evolution in Dielectric Breakdown. Russian Physics Journal, 2001, 44, 48-54.	0.2	5
32	Determination of component concentrations in models of exhaled air samples using principal component analysis and canonical correlation analysis. , 2015, , .		5
33	Adomian Decomposition Method for the One-dimensional Nonlocal Fisher-Kolmogorov-Petrovskii-Piskunov Equation. Russian Physics Journal, 2019, 62, 710-719.	0.2	5
34	Exact Solutions and Symmetry Operators for the Nonlocal Gross-Pitaevskii Equation with Quadratic Potential. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2005, , .	0.5	5
35	Semiclassical Approach to the Nonlocal Kinetic Model of Metal Vapor Active Media. Mathematics, 2021, 9, 2995.	1.1	5
36	Separation of variables in the Klein-Gordon equations. II. Soviet Physics Journal (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.0	4

#	ARTICLE	IF	CITATIONS
37	Separation of variables in the Klein-gordon equations. III. Soviet Physics Journal (English Translation) Tj ETQq1 1 0.784314 rgBT /Overlock	0.0	4
38	Soliton fractals in the Kortewegâ€“de Vries equation. Physical Review E, 2007, 76, 046612.	0.8	4
39	Influence of the Environment on Pattern Formation in the One-Dimensional Nonlocal Fisherâ€“Kolmogorovâ€“Petrovskiiâ€“Piskunov Model. Russian Physics Journal, 2018, 61, 1093-1099.	0.2	4
40	The Grossâ€“Pitaevskii Equation with a Nonlocal Interaction in a Semiclassical Approximation on a Curve. Symmetry, 2020, 12, 201.	1.1	4
41	Symmetry Operators for the Fokker-Plank-Kolmogorov Equation with Nonlocal Quadratic Nonlinearity. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2007, , .	0.5	4
42	Separation of variables in the Klein-Gordon equations. IV. Soviet Physics Journal (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 TF 5	0.0	3
43	Equivalent Lagrangian densities and invariant collective coordinates equations. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 065204.	0.7	3
44	Noncommutative Integrability of the Kleinâ€“Gordon and Dirac Equations in (2+1)-Dimensional Spacetime. Russian Physics Journal, 2017, 59, 1956-1961.	0.2	3
45	Vacuum quantum effects on Lie groups with bi-invariant metrics. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950122.	0.8	3
46	Long Horizontal Vapordynamic Thermosyphons for Renewable Energy Sources. Heat Transfer Engineering, 2019, 40, 258-266.	1.2	3
47	Family of Asymptotic Solutions to the Two-Dimensional Kinetic Equation with a Nonlocal Cubic Nonlinearity. Symmetry, 2022, 14, 577.	1.1	3
48	Transmission of quantum particles through a one-dimensional fractal potential barrier. Russian Physics Journal, 1993, 36, 703-708.	0.2	2
49	The probability of consistency of systems of random Boolean equations. Discrete Mathematics and Applications, 1995, 5, .	0.1	2
50	Local symmetry algebra of the schrÃ¶dinger equation for the hydrogen atom. Theoretical and Mathematical Physics(Russian Federation), 1996, 106, 227-236.	0.3	2
51	IntegrableN-dimensional systems on the Hopf algebra andq-deformations. Theoretical and Mathematical Physics(Russian Federation), 2000, 124, 1172-1186.	0.3	2
52	Symmetry operators of a Hartree-type equation with quadratic potential. Siberian Mathematical Journal, 2005, 46, 119-132.	0.2	2
53	The distributions of the numbers of finite subgraphs in random nonhomogeneous hypergraphs. Discrete Mathematics and Applications, 2006, 16, .	0.1	2
54	Estimate of Accuracy of Solution of the Nonlocal Fisherâ€“Kolomogorovâ€“Petrovskiiâ€“Piskunov Equation. Russian Physics Journal, 2013, 55, 1425-1433.	0.2	2

#	ARTICLE	IF	CITATIONS
55	Symmetry Operators of the Nonlocal Fisher-Kolmogorov-Petrovskii-Piskunov Equation with a Quadratic Operator. Russian Physics Journal, 2014, 56, 1415-1426.	0.2	2
56	Wavelet based de-noising of breath air absorption spectra profiles for improved classification by principal component analysis. AIP Conference Proceedings, 2015, , .	0.3	2
57	Analysis of the component composition of exhaled air using laser spectroscopy and canonical correlation analysis. , 2015, , .		2
58	Symmetries of the One-Dimensional Fokker-Planck-Kolmogorov Equation with a Nonlocal Quadratic Nonlinearity. Russian Physics Journal, 2017, 60, 284-291.	0.2	2
59	Approximate Solutions of the One-Dimensional Fisher-Kolmogorov-Petrovskii-Piskunov Equation with Quasilocal Competitive Losses. Russian Physics Journal, 2018, 60, 1461-1468.	0.2	2
60	Semiclassical Spectral Series Localized on a Curve for the Gross-Pitaevskii Equation with a Nonlocal Interaction. Symmetry, 2021, 13, 1289.	1.1	2
61	New exact solutions of the Dirac equations. VI. Soviet Physics Journal (English Translation of Izvestia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.0	1
62	New exact solutions of the Dirac equation. VII. Soviet Physics Journal (English Translation of Izvestia) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.0	1
63	Gravitation field in the Vaidya problem allowing separation of variables in the Hamilton-Jacobi equation. Soviet Physics Journal (English Translation of Izvestia Vysshikh Uchebnykh Zavedenii,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.0	1
64	Commutative subalgebras of three first-order symmetry operators and separation of variables in the wave equation. Soviet Physics Journal (English Translation of Izvestia Vysshikh Uchebnykh Zavedenii,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.0	1
65	Application of approximate symmetries to the construction of solutions of classical and quantum Hamiltonian systems. Russian Physics Journal, 1993, 36, 806-808.	0.2	1
66	ABSORPTION OF OPTICAL PULSES UNDER PROPAGATION THROUGH ONE-DIMENSIONAL RESONANT FRACTAL CLUSTERS. Fractals, 1994, 02, 553-556.	1.8	1
67	Semiclassical trajectory-coherent states of the nonlinear Schrödinger equation with unitary nonlinearity. Russian Physics Journal, 1999, 42, 598-606.	0.2	1
68	Soliton formation in a resonant amplifying-absorbing medium. Quantum Electronics, 1999, 29, 894-898.	0.3	1
69	Green's Function of a Hartree-Type Equation with a Quadratic Potential. Theoretical and Mathematical Physics(Russian Federation), 2004, 141, 1528-1541.	0.3	1
70	The cycle structure of a random nonhomogeneous hypergraph on the subcritical stage of evolution. Discrete Mathematics and Applications, 2007, 17, .	0.1	1
71	Quasi-energy spectral series for a nonlocal Gross-Pitaevskii equation. Russian Physics Journal, 2007, 50, 695-709.	0.2	1
72	Kink dynamics in the medium with a random force and dissipation in the sine-Gordon model. Russian Physics Journal, 2008, 51, 158-167.	0.2	1

#	ARTICLE	IF	CITATIONS
73	Formalism of semiclassical asymptotics for a two-component Hartree-type equation. Russian Physics Journal, 2009, 52, 1068-1076.	0.2	1
74	Comparison of classification methods used for analysis of complex biological gas mixtures by means of laser spectroscopy. Proceedings of SPIE, 2015, . .	0.8	1
75	Thermal interaction of biological tissue with nanoparticles heated by laser radiation. , 2015, , .		1
76	Symmetry operators of the two-component Grossâ€”Pitaevskii equation with a Manakov-type nonlocal nonlinearity. Journal of Physics: Conference Series, 2016, 670, 012046.	0.3	1
77	Diagnostics of oral lichen planus based on analysis of volatile organic compounds in saliva. , 2017, , .		1
78	Adomyan Decomposition Method for a Two-Component Nonlocal Reaction-Diffusion Model of the Fisherâ€”Kolmogorovâ€”Petrovskyâ€”Piskunov Type. Russian Physics Journal, 2019, 62, 835-847.	0.2	1
79	The kernel construction for the biomedical data classification using support vector machine. , 2018, , .		1
80	Kalman filtering in the problem of noise reduction in the absorption spectra of exhaled air. , 2016, , .		1
81	Noncommutative integration of Klein-Gordon and Dirac equations in Riemannian spaces with a group of motions. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii,) Tj ETQq1 1 0.784314 rgBT /Overl	0.0	0
82	New exact solutions of the Dirac equation. IV. Soviet Physics Journal (English Translation of Izvestiia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.0	0
83	Separation of variables in the Klein-Gordon equation for superposition of a quantized and a classical field. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1976, 19, 14-17.	0.0	0
84	Structure of a linear canonical transformation. Soviet Physics Journal (English Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	0.0	0
85	Integrals of the motion for an electron in a quantized plane electromagnetic wave. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1977, 20, 233-237.	0.0	0
86	New exact solutions of the Dirac equation. IX. Soviet Physics Journal (English Translation of Izvestiia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.0	0
87	Stueckel spaces of the electrovacuum with two-parameter Abelian group of motions. Formulation of the problem and sets of the type (2.1). Soviet Physics Journal (English Translation of Izvestiia Vysshykh) Tj ETQq1 1 0.784314 rgBT /Over	0.0	0
88	Stueckel spaces of the electrovacuum with a two-parameter Abelian group of motions. Set of the type (2.0). Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1983, 26, 313-317.	0.0	0
89	Special Stueckel spaces of the electrovacuum. Soviet Physics Journal (English Translation of Izvestiia) Tj ETQq1 1 0.784314 rgBT /Over	0.0	0
90	Symmetry of the Dirac equation with an external non-Abelian gauge field. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1986, 29, 235-242.	0.0	0

#	ARTICLE	IF	CITATIONS
91	Classification of the Dirac equation with an external SU(3) gauge field admitting a first-order symmetry operator of special type. Soviet Physics Journal (English Translation of Izvestiia Vysshikh) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6	0.0	0
92	Yang-Mills fields permitted by abelian complete sets of first-order symmetry operators of the Dirac equation. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.0	0
93	Propagation of optical pulses at an absorption line in the presence of a weak nonlinearity. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1989, 32, 106-109.	0.0	0
94	Subalgebras of the algebra of a conformal group with nontrivial center. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1990, 33, 416-419.	0.0	0
95	Subalgebras of the Schrödinger algebra with nontrivial centers. Soviet Physics Journal (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6	0.0	0
96	Free Schrödinger equation analyzed in terms of the wave equation. Soviet Physics Journal (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.0	0
97	Noncommutative integration of the Dirac equation in Riemann spaces possessing a group of automorphisms. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6	0.0	0
98	Enveloping algebra identities on solutions of conformally invariant wave equations. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1991, 34, 751-755.	0.0	0
99	Methods of generating integrable potentials for the Schrödinger equation and nonlocal symmetries. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1991, 34, 755-761.	0.0	0
100	Representations of Lie algebras and the problem of noncommutative integrability of linear differential equations. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.0	0
101	Complete sets of symmetry operators containing a second-order operator and the problem of separation of variables in the wave equation. Soviet Physics Journal (English Translation of Izvestiia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6	0.0	0
102	Some problems of symmetry of the Schrödinger equations. Soviet Physics Journal (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.0	0
103	Separation of variables in the wave equation. Sets of the type (1.1) and Schrödinger equation. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1991, 34, 122-126.	0.0	0
104	Separation of variables in the wave equation. Sets of the type (1.1) and the algebra SU(1.2). Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1991, 34, 168-171.	0.0	0
105	Effect of initial pulse shape modulation on spontaneous soliton formation in the NSE model. Russian Physics Journal, 1992, 35, 508-513.	0.2	0
106	Nonlinear Poisson bracket, F-algebras, and noncommutative integration of linear differential equations. Russian Physics Journal, 1992, 35, 661-666.	0.2	0
107	Noncommutative integration of quantum Euler equations on the Lie algebra so(4). Russian Physics Journal, 1992, 35, 1031-1036.	0.2	0
108	Interaction of electromagnetic waves with fractal structures. Russian Physics Journal, 1993, 36, 955-964.	0.2	0

#	ARTICLE	IF	CITATIONS
109	Classification of F algebras and noncommutative integration of the Klein-Gordon equation in Riemannian spaces. Russian Physics Journal, 1993, 36, 36-40.	0.2	0
110	Using the complex WKB method for studying the evolution of initial pulses obeying the nonlinear Schrödinger equation. Russian Physics Journal, 1993, 36, 431-437.	0.2	0
111	Reduction and noncommutative integration of linear differential equations. Russian Physics Journal, 1993, 36, 1059-1063.	0.2	0
112	Quadratic mapping with periodically disturbed parameter. Russian Physics Journal, 1995, 38, 1099-1103.	0.2	0
113	Integration of the d'Alembert equation by means of four-dimensional nonabelian symmetry subalgebras with a single second-order operator. Russian Physics Journal, 1995, 38, 804-807.	0.2	0
114	Quadratic algebras and noncommutative integration of Klein-Gordon equations in non-steckel Riemann spaces. Russian Physics Journal, 1995, 38, 508-512.	0.2	0
115	Noncommutative 5-dimensional subalgebras of a conformal algebra integrable in $R_{1,3}$. Russian Physics Journal, 1995, 38, 641-645.	0.2	0
116	Propagation of a soliton-like pulse in a weakly nonlinear medium. Russian Physics Journal, 1995, 38, 359-363.	0.2	0
117	Noncommutative four-dimensional subalgebras of conformal algebra integrable in the space $R_{1,3}$. Russian Physics Journal, 1995, 38, 209-212.	0.2	0
118	Quadratic algebras applied to noncommutative integration of the Klein-Gordon equation: Four-dimensional quadratic algebras containing three-dimensional nilpotent lie algebras. Russian Physics Journal, 1995, 38, 299-303.	0.2	0
119	Spectral distortions of optical pulses in resonant media of complex spatial structure. Russian Physics Journal, 1996, 39, 435-441.	0.2	0
120	Spontaneous soliton production by an optical pulse with a nonlinear shift of the carrier frequency. Russian Physics Journal, 1996, 39, 815-819.	0.2	0
121	Hamiltonian approach to the dynamics of Darwinian systems. Russian Physics Journal, 1997, 40, 610-615.	0.2	0
122	Reduction of quantum analogs of Hamiltonian systems described by Lie algebras to orbits in a coadjoint representation. Russian Physics Journal, 1998, 41, 460-464.	0.2	0
123	Noncommutative solutions of the d'Alembert equation. Russian Physics Journal, 1998, 41, 528-533.	0.2	0
124	Janes approach to the dynamics of Darwin systems. Russian Physics Journal, 2000, 43, 488-492.	0.2	0
125	Hamiltonian approach to the dynamics of a chemostat. Russian Physics Journal, 2000, 43, 568-575.	0.2	0
126	Investigation of Discharge Channel Elongation under Thermal Dielectric Breakdown. Russian Physics Journal, 2003, 46, 91-95.	0.2	0

#	ARTICLE	IF	CITATIONS
127	Stochastic dynamics of atoms in a resonant light field in the quasi-classical approximation. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2004, 97, 80-87.	0.2	0
128	The Geometric Phases and Quasienergy Spectral Series of a Hartree-Type Equation with a Quadratic Potential. Russian Physics Journal, 2004, 47, 405-413.	0.2	0
129	The Nonlinear Schrodinger Equation for a Many-Dimensional System in an Oscillator Field. Russian Physics Journal, 2005, 48, 746-753.	0.2	0
130	A semiclassical approximation for the nonstationary two-dimensional nonlinear Schrödinger equation with an external field in polar coordinates. Russian Physics Journal, 2006, 49, 734-743.	0.2	0
131	Berry phases for 3D Hartree-type equations with a quadratic potential and a uniform magnetic field. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 11129-11149.	0.7	0
132	Characteristics of random systems of linear equations over a finite field. Discrete Mathematics and Applications, 2008, 18, .	0.1	0
133	Consistency and an algorithm recognising inconsistency of realisations of a system of random discrete equations with two-valued unknowns. Discrete Mathematics and Applications, 2008, 18, .	0.1	0
134	Modulation of the velocity of soliton-like perturbations for the sine-Gordon equation with external force and dissipation. Russian Physics Journal, 2009, 52, 1331-1338.	0.2	0
135	Semiclassical approximation for the twodimensional Fisher-Kolmogorov-Petrovskii-Piskunov equation with nonlocal nonlinearity in polar coordinates. Russian Physics Journal, 2011, 53, 1243-1253.	0.2	0
136	Quasiparticles Described by the Gross-Pitaevskii Equation in the Semiclassical Approximation. Russian Physics Journal, 2015, 58, 606-615.	0.2	0
137	Local conformational perturbations of the DNA molecule in the SG-model. AIP Conference Proceedings, 2015, , .	0.3	0
138	Solutions of nonlocal nonlinear diffusion equations in data filtering problems. AIP Conference Proceedings, 2015, , .	0.3	0
139	Quantitative comparison of the absorption spectra of the gas mixtures in analogy to the criterion of Pearson. , 2015, , .		0
140	Statistical approach to the analysis of the composition of multicomponent gas mixtures using absorption laser spectroscopy. Proceedings of SPIE, 2015, , .	0.8	0
141	Asymptotics of the Multidimensional Nonlocal Fisher-Kolmogorov-Petrovskii-Piskunov Equation Near a Quasistationary Solution. Russian Physics Journal, 2015, 58, 952-958.	0.2	0
142	Asymptotic Behavior of the One-Dimensional Fisher-Kolmogorov-Petrovskii-Piskunov Equation with Anomalous Diffusion. Russian Physics Journal, 2015, 58, 399-409.	0.2	0
143	Solutions of the Gross-Pitaevskii Equation in Prolate Spheroidal Coordinates. Russian Physics Journal, 2015, 57, 1201-1209.	0.2	0
144	Possibilities of laser spectroscopy for monitoring the profile dynamics of the volatile metabolite in exhaled air. Proceedings of SPIE, 2016, , .	0.8	0

#	ARTICLE	IF	CITATIONS
145	Thermal Action of the Nanoparticle Heated by Pulse-Periodic Laser Radiation on a Biotissue. Russian Physics Journal, 2016, 59, 1219-1224.	0.2	0
146	Quasistationary Solution of a Two-Component Hyperbolic System on an Interval. Russian Physics Journal, 2017, 59, 1349-1356.	0.2	0
147	One-Dimensional Fokker-Planck Equation with Quadratically Nonlinear Quasilocal Drift. Russian Physics Journal, 2018, 60, 2063-2072.	0.2	0
148	Nonlinear Fokker-Planck Equation in the Model of Asset Returns. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2008, , .	0.5	0
149	Examples of Asymptotic Solutions Obtained by the Complex Germ Method for the One-Dimensional Nonlocal Fisher-Kolmogorov-Petrovsky-Piskunov Equation. Russian Physics Journal, 2021, 64, 1542-1552.	0.2	0