Rybakov YuP Yuri

List of Publications by Year
in descending order

57 papers	234 citations	1163117 8 h-index	1058476 14 g-index
57 all docs	57 docs citations	57 times ranked	76 citing authors

#	Article	IF	Citations
1	Superconducting properties of bi-layer graphene in chiral model. Journal of Physics: Conference Series, 2020, 1560, 012032.	0.4	0
2	Axially Symmetric Configuration in the Skyrme Gauge Model. Journal of Physics: Conference Series, 2020, 1558, 012007.	0.4	0
3	Closed Strings in the Skyrme Gauge Model. Journal of Physics: Conference Series, 2020, 1558, 012006.	0.4	0
4	Spinor fields in spherical symmetry: Einsteinâ€"Dirac and other space-times. European Physical Journal Plus, 2020, 135, 1.	2.6	19
5	Generalizing Darcyâ€™s law for filtration radial flows through porous media. IOP Conference Series: Materials Science and Engineering, 2019, 675, 012064.	0.6	1
6	Fullerenes as solitons in chiral model of graphene. IOP Conference Series: Materials Science and Engineering, 2019, 675, 012063.	0.6	0
7	Magnetic excitations of carbon nanotubes in chiral model of graphene. EPJ Web of Conferences, 2018, 185, 11007.	0.3	1
8	Generalized Darcyâ€™s Law in Filtration Theory. EPJ Web of Conferences, 2018, 173, 02017.	0.3	2
9	SPIN AND MAGNETIC EXCITATION IN CHIRAL MODEL OF GRAPHENE. Far East Journal of Mathematical Sciences, 2017, 102, 399-407.	0.0	0
10	Topological solitons in the Skyrmeâ€"Faddeev spinor model and quantum mechanics. Gravitation and Cosmology, 2016, 22, 179-186.	1.1	1
11	Solitons in Skyrme - Faddeev spinor model and quantum mechanics. Journal of Physics: Conference Series, 2016, 731, 012012.	0.4	0
12	Bellâ€™s Theorem and Entangled Solitons. International Journal of Theoretical Physics, 2016, 55, 4075-4080.	1.2	6
13	Modeling of Spinning Sphere Motion in Shear Flow of Viscous Fluid. Communications in Computer and Information Science, 2016, , 635-645.	0.5	0
14	Structure of topological solitons in nonlinear spinor model. Physics of Particles and Nuclei Letters, 2015, 12, 420-422.	0.4	1
15	8-Spinors and structure of solitons in generalized Mie electrodynamics. Physics of Atomic Nuclei, 2013, 76, 219-223.	0.4	0
16	Topological solitons in 8-spinor mie electrodynamics. Physics of Atomic Nuclei, 2013, 76, 1284-1288.	0.4	0
17	Electromagnetic field with induced massive term: Case with scalar field. Open Physics, 2011, 9, .	1.7	3
18	Soliton configurations in generalized Mie electrodynamics. Physics of Atomic Nuclei, 2011, 74, 1073-1076.	0.4	3

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19	Scalar Field in Cosmology: Potential for Isotropization and Inflation. International Journal of Theoretical Physics, 2011, 50, 3421-3431.	1.2	1
20	Thermodynamic pressure and its fluctuations in a classical ideal gas of relativistic particles. Journal of Mathematical Sciences, 2011, 172, 870-893.	0.4	2
21	Cosmic chiral vortices. Physics of Particles and Nuclei, 2010, 41, 101-107.	0.7	0
22	Symplectic structure of quantum phase and stochastic simulation of qubits. Physics of Particles and Nuclei Letters, 2009, 6, 535-537.	0.4	0
23	Einstein-Yang-Mills cosmic chiral vortices. Gravitation and Cosmology, 2009, 15, 78-81.	1.1	0
24	Gauge cosmic chiral strings in general relativity. Physics of Atomic Nuclei, 2009, 72, 849-852.	0.4	1
25	<title>Probabilistic simulation of quantum states</title>. , 2008, , .		0
26	Entangled Solitons and Quantum Mechanics. AIP Conference Proceedings, 2007, , .	0.4	1
27	Entangled optical solitons in nonlinear Kerr dielectric. Proceedings of SPIE, 2007, , .	0.8	1
28	Skyrme-Einstein closed cosmic chiral strings. Physics of Atomic Nuclei, 2007, 70, 1312-1314.	0.4	2
29	Entangled solitons and stochastic q-bits. Physics of Particles and Nuclei Letters, 2007, 4, 119-121.	0.4	2
30	Role of the interaction of corrosion pittings in the dynamics of their evolution. Russian Journal of Physical Chemistry A, 2006, 80, 1504-1509.	0.6	0
31	Chiral self-gravitating cosmic vortices. Physics of Atomic Nuclei, 2005, 68, 1042-1045.	0.4	2
32	SU(2) Skyrme vortices. Physics of Atomic Nuclei, 2000, 63, 664-665.	0.4	3
33	Solitons of nonlinear scalar electrodynamics in general relativity. International Journal of Theoretical Physics, 1997, 36, 1475-1494.	1.2	14
34	Self-gravitating three-dimensional solitons in nonlinear scale-invariant electrodynamics. International Journal of Theoretical Physics, 1996, 35, 1493-1502.	1.2	1
35	Soliton model of atom. Foundations of Physics, 1995, 25, 1723-1731.	1.3	14
36	Interacting spinor and scalar fields: Exact self-consistent solutions in Bianci I space. Russian Physics Journal, 1995, 38, 700-705.	0.4	3

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37	Localised nontopological structures: construction of solutions and stability problems. Physics-Uspekhi, 1994, 37, 113-137.	2.2	18
38	Nonlinear spinor fields in Bianchi-I space: Exact self-consistent solutions. Russian Physics Journal, 1994, 37, 630-635.	0.4	1
39	The Skyrme model and strong interactions (On the 30th anniversary of the creation of the Skyrme)	0.3	14
40	Self-consistent droplet-like solutions of the equations of the electromagnetic field with induced nonlinearity. Russian Physics Journal, 1992, 35, 987-990.	0.4	0
41	Cylindrical solitons in a Gödel Universe and their stability. Soviet Physics Journal (English)	0.0	0
42	Heavy solitons in generalized spinor electrodynamics. Soviet Physics Journal (English Translation of)	0.0	0
43	Soliton stability in a nonlinear model of quark retention. Soviet Physics Journal (English Translation)	0.0	0
44	Structure of topological solitons in the Skyrme model. Theoretical and Mathematical Physics(Russian)	0.9	3
45	String solutions in the S2 nonlinear ?-model with a gauge field. Soviet Physics Journal (English)	0.0	0
46	Conditional stability of multiple-charged solitons. International Journal of Theoretical Physics, 1984, 23, 325-333.	1.2	0
47	Closed-vortex-type solitons with Hopf index. Journal of Physics A, 1982, 15, 269-275.	1.6	67
48	Fresnel diffraction of solitons in the Synge model. Soviet Physics Journal (English Translation of)	0.0	0
49	Soliton stability in the Synge model with an electromagnetic field. Soviet Physics Journal (English)	0.0	0
50	Lyapunov stability of scalar charged solitons. Soviet Physics Journal (English Translation of Izvestiia)	0.0	0
51	Regular solutions in the Skyrme model with gauge field. Soviet Physics Journal (English Translation)	0.0	0
52	Stability of charged solitons. International Journal of Theoretical Physics, 1979, 18, 425-432.	1.2	17
53	A description of particles with extension in nonlinear field theory. Soviet Physics Journal (English)	0.0	0
54	On the causal interpretation of quantum mechanics. Foundations of Physics, 1974, 4, 149-161.	1.3	12

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55	The Bohm-Vigier subquantum fluctuations and nonlinear field theory. International Journal of Theoretical Physics, 1972, 5, 131-138.	1.2	2
56	On Chiral Model of Graphene. Solid State Phenomena, 0, 190, 59-62.	0.3	9
57	Spin Excitations in Chiral Model of Graphene. Solid State Phenomena, 0, 233-234, 16-19.	0.3	7