

Rybakov YuP Yuri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6101798/publications.pdf>

Version: 2024-02-01

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	Closed-vortex-type solitons with Hopf index. Journal of Physics A, 1982, 15, 269-275.	1.6	67
2	Spinor fields in spherical symmetry: Einstein–Dirac and other space-times. European Physical Journal Plus, 2020, 135, 1.	2.6	19
3	Localised nontopological structures: construction of solutions and stability problems. Physics-Uspexhi, 1994, 37, 113-137.	2.2	18
4	Stability of charged solitons. International Journal of Theoretical Physics, 1979, 18, 425-432.	1.2	17
5	The Skyrme model and strong interactions (On the 30th anniversary of the creation of the Skyrme) Tj ETQq1 1 0.784314 rgBT /Overlock 14	0.3	14
6	Soliton model of atom. Foundations of Physics, 1995, 25, 1723-1731.	1.3	14
7	Solitons of nonlinear scalar electrodynamics in general relativity. International Journal of Theoretical Physics, 1997, 36, 1475-1494.	1.2	14
8	On the causal interpretation of quantum mechanics. Foundations of Physics, 1974, 4, 149-161.	1.3	12
9	On Chiral Model of Graphene. Solid State Phenomena, 0, 190, 59-62.	0.3	9
10	Spin Excitations in Chiral Model of Graphene. Solid State Phenomena, 0, 233-234, 16-19.	0.3	7
11	Bell’s Theorem and Entangled Solitons. International Journal of Theoretical Physics, 2016, 55, 4075-4080.	1.2	6
12	Structure of topological solitons in the Skyrme model. Theoretical and Mathematical Physics(Russian) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.9	3
13	Interacting spinor and scalar fields: Exact self-consistent solutions in Bianchi I space. Russian Physics Journal, 1995, 38, 700-705.	0.4	3
14	SU(2) Skyrme vortices. Physics of Atomic Nuclei, 2000, 63, 664-665.	0.4	3
15	Electromagnetic field with induced massive term: Case with scalar field. Open Physics, 2011, 9, .	1.7	3
16	Soliton configurations in generalized Mie electrodynamics. Physics of Atomic Nuclei, 2011, 74, 1073-1076.	0.4	3
17	The Bohm-Vigier subquantum fluctuations and nonlinear field theory. International Journal of Theoretical Physics, 1972, 5, 131-138.	1.2	2
18	Chiral self-gravitating cosmic vortices. Physics of Atomic Nuclei, 2005, 68, 1042-1045.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Skyrme-Einstein closed cosmic chiral strings. <i>Physics of Atomic Nuclei</i> , 2007, 70, 1312-1314.	0.4	2
20	Entangled solitons and stochastic q-bits. <i>Physics of Particles and Nuclei Letters</i> , 2007, 4, 119-121.	0.4	2
21	Thermodynamic pressure and its fluctuations in a classical ideal gas of relativistic particles. <i>Journal of Mathematical Sciences</i> , 2011, 172, 870-893.	0.4	2
22	Generalized Darcy's Law in Filtration Theory. <i>EPJ Web of Conferences</i> , 2018, 173, 02017.	0.3	2
23	Nonlinear spinor fields in Bianchi-I space: Exact self-consistent solutions. <i>Russian Physics Journal</i> , 1994, 37, 630-635.	0.4	1
24	Self-gravitating three-dimensional solitons in nonlinear scale-invariant electrodynamics. <i>International Journal of Theoretical Physics</i> , 1996, 35, 1493-1502.	1.2	1
25	Entangled Solitons and Quantum Mechanics. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1
26	Entangled optical solitons in nonlinear Kerr dielectric. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
27	Gauge cosmic chiral strings in general relativity. <i>Physics of Atomic Nuclei</i> , 2009, 72, 849-852.	0.4	1
28	Scalar Field in Cosmology: Potential for Isotropization and Inflation. <i>International Journal of Theoretical Physics</i> , 2011, 50, 3421-3431.	1.2	1
29	Structure of topological solitons in nonlinear spinor model. <i>Physics of Particles and Nuclei Letters</i> , 2015, 12, 420-422.	0.4	1
30	Topological solitons in the Skyrme-Faddeev spinor model and quantum mechanics. <i>Gravitation and Cosmology</i> , 2016, 22, 179-186.	1.1	1
31	Magnetic excitations of carbon nanotubes in chiral model of graphene. <i>EPJ Web of Conferences</i> , 2018, 185, 11007.	0.3	1
32	Generalizing Darcy's law for filtration radial flows through porous media. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 675, 012064.	0.6	1
33	A description of particles with extension in nonlinear field theory. <i>Soviet Physics Journal (English)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.0	0
34	Regular solutions in the Skyrme model with gauge field. <i>Soviet Physics Journal (English Translation)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	0
35	Soliton stability in the Synge model with an electromagnetic field. <i>Soviet Physics Journal (English)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.0	0
36	Lyapunov stability of scalar charged solitons. <i>Soviet Physics Journal (English Translation of Izvestiia)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	0

#	ARTICLE	IF	CITATIONS
37	Fresnel diffraction of solitons in the Synge model. Soviet Physics Journal (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.0	0
38	Conditional stability of multiple-charged solitons. International Journal of Theoretical Physics, 1984, 23, 325-333.	1.2	0
39	String solutions in the S2 nonlinear σ -model with a gauge field. Soviet Physics Journal (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.0	0
40	Soliton stability in a nonlinear model of quark retention. Soviet Physics Journal (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	0
41	Heavy solitons in generalized spinor electrodynamics. Soviet Physics Journal (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.0	0
42	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
43	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
44	<title>Probabilistic simulation of quantum states</title>. , 2008, , .		0
45	Symplectic structure of quantum phase and stochastic simulation of qubits. Physics of Particles and Nuclei Letters, 2009, 6, 535-537.	0.4	0
46	Einstein-Yang-Mills cosmic chiral vortices. Gravitation and Cosmology, 2009, 15, 78-81.	1.1	0
47	Cosmic chiral vortices. Physics of Particles and Nuclei, 2010, 41, 101-107.	0.7	0
48	8-Spinors and structure of solitons in generalized Mie electrodynamics. Physics of Atomic Nuclei, 2013, 76, 219-223.	0.4	0
49	Topological solitons in 8-spinor mie electrodynamics. Physics of Atomic Nuclei, 2013, 76, 1284-1288.	0.4	0
50	Solitons in Skyrme - Faddeev spinor model and quantum mechanics. Journal of Physics: Conference Series, 2016, 731, 012012.	0.4	0
51	Fullerenes as solitons in chiral model of graphene. IOP Conference Series: Materials Science and Engineering, 2019, 675, 012063.	0.6	0
52	Superconducting properties of bi-layer graphene in chiral model. Journal of Physics: Conference Series, 2020, 1560, 012032.	0.4	0
53	Axially Symmetric Configuration in the Skyrme Gauge Model. Journal of Physics: Conference Series, 2020, 1558, 012007.	0.4	0
54	Closed Strings in the Skyrme Gauge Model. Journal of Physics: Conference Series, 2020, 1558, 012006.	0.4	0

#	ARTICLE	IF	CITATIONS
55	Modeling of Spinning Sphere Motion in Shear Flow of Viscous Fluid. Communications in Computer and Information Science, 2016, , 635-645.	0.5	0
56	SPIN AND MAGNETIC EXCITATION IN CHIRAL MODEL OF GRAPHENE. Far East Journal of Mathematical Sciences, 2017, 102, 399-407.	0.0	0
57	Cylindrical solitons in a Gödel Universe and their stability. Soviet Physics Journal (English) 1978, 21, 1078-1081.	0.784314	10