Vladimir N Folomeev

List of Publications by Year
in descending order

83	1,066	394421	454955
papers	citations	19 h-index	30 g-index

84	84	84	353
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thick brane solutions. Reports on Progress in Physics, 2010, 73, 066901.	20.1	171
2	Modified gravity from the quantum part of the metric. European Physical Journal C, 2014, 74, 1.	3.9	58
3	Modified gravity from the nonperturbative quantization of a metric. European Physical Journal C, 2015, 75, 157.	3.9	49
4	6D thick branes from interacting scalar fields. Physical Review D, 2008, 77, .	4.7	45
5	Some thick brane solutions in f(R)-gravity. Journal of High Energy Physics, 2010, 2010, 1.	4.7	40
6	Non-singular solutions to Einstein-Klein-Gordon equations with a phantom scalar field. Journal of High Energy Physics, 2008, 2008, 094-094.	4.7	38
7	RELATIVISTIC MODEL OF DETONATION TRANSITION FROM NEUTRON TO STRANGE MATTER. International Journal of Modern Physics D, 2005, 14, 33-50.	2.1	33
8	Rotating wormholes in five dimensions. Physical Review D, 2013, 88, .	4.7	30
9	Chameleon stars. Physical Review D, 2011, 84, .	4.7	29
10	Thick de Sitter brane solutions in higher dimensions. Physical Review D, 2009, 79, .	4.7	27
11	A star harbouring a wormhole at its core. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 031-031.	5.4	26
12	Boson stars with nontrivial topology. Physical Review D, 2014, 90, .	4.7	25
13	Mixed neutron-star-plus-wormhole systems: Linear stability analysis. Physical Review D, 2013, 87, .	4.7	24
14	Anisotropic neutron stars in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>R</mml:mi><mml:mn>2</mml:mn></mml:msup></mml:math> gravity. Physical Review D, 2018, 97, .	4.7	24
15	Thick brane in 7D and 8D spacetimes. General Relativity and Gravitation, 2009, 41, 131-146.	2.0	23
16	Mixed neutron-star-plus-wormhole systems: Equilibrium configurations. Physical Review D, 2012, 85, .	4.7	22
17	Dirac star in the presence of Maxwell and Proca fields. Physical Review D, 2019, 99, .	4.7	22
18	Hiding a neutron star inside a wormhole. Physical Review D, 2014, 89, .	4.7	21

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19	Rotating wormhole solutions with a complex phantom scalar field. Physical Review D, 2019, 100, .	4.7	19
20	Magnetic fields in anisotropic relativistic stars. Physical Review D, 2015, 91, .	4.7	18
21	Dirac stars supported by nonlinear spinor fields. Physical Review D, 2019, 99, .	4.7	18
22	Wormhole solutions with a complex ghost scalar field and their instability. Physical Review D, 2018, 97, .	4.7	16
23	Linear stability of spherically symmetric and wormhole solutions supported by the sine-Gordon ghost scalar field. Physical Review D, 2010, 82, .	4.7	15
24	Viscous dark fluid. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 661, 75-77.	4.1	14
25	Can mixed star-plus-wormhole systems mimic black holes?. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 030-030.	5.4	14
26	Relativistic polytropic spheres embedded in a chameleon scalar field. Physical Review D, 2012, 85, .	4.7	13
27	Kaluzaâ€“Klein wormholes with the compactified fifth dimension. Modern Physics Letters A, 2014, 29, 1450025.	1.2	13
28	Magnetic fields in mixed neutron-star-plus-wormhole systems. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 005-005.	5.4	13
29	Dirac star with SU(2) Yang-Mills and Proca fields. Physical Review D, 2020, 101, .	4.7	13
30	Non-Abelian Proca-Dirac-Higgs theory: Particlelike solutions and their energy spectrum. Physical Review D, 2019, 99, .	4.7	12
31	PHANTOM FIELDS: BOUNCE SOLUTIONS IN THE EARLY UNIVERSE AND S-BRANES. International Journal of Modern Physics D, 2008, 17, 2351-2358.	2.1	10
32	THE BIANCHI TYPE I MODEL WITH TWO INTERACTING SCALAR FIELDS. International Journal of Modern Physics D, 2007, 16, 1845-1852.	2.1	9
33	Wormhole solutions supported by interacting dark matter and dark energy. Physical Review D, 2014, 89, .	4.7	9
34	Spinor brane. General Relativity and Gravitation, 2011, 43, 1253-1261.	2.0	8
35	Nonrelativistic isothermal fluid in the presence of a chameleon scalar field: Static and collapsing configurations. Physical Review D, 2012, 85, .	4.7	8
36	Monopole solutions in SU(2) Yang-Mills-plus-massive-nonlinear-spinor-field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135480.	4.1	8

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37	Axially symmetric Proca-Higgs boson stars. Physical Review D, 2021, 104, .	4.7	8
38	Classical and Quantum Evolution of the Bianchi Type I Model. General Relativity and Gravitation, 2000, 32, 1255-1269.	2.0	7
39	Thick brane solutions supported by two spinor fields. General Relativity and Gravitation, 2012, 44, 253-261.	2.0	7
40	Star-plus-wormhole systems with two interacting scalar fields. International Journal of Modern Physics D, 2015, 24, 1550097.	2.1	7
41	4D STATIC SOLUTIONS WITH INTERACTING PHANTOM FIELDS. International Journal of Modern Physics D, 2008, 17, 2125-2142.	2.1	6
42	Thick branes in higher-dimensional f(R) gravity. International Journal of Geometric Methods in Modern Physics, 2020, 17, .	2.0	6
43	COSMIC STRING WITH TWO INTERACTING SCALAR FIELDS. Modern Physics Letters A, 2007, 22, 407-413.	1.2	5
44	On the self-similar motion of a gravitating Chaplygin fluid. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 209-212.	4.1	5
45	Chameleon stars supported by a cosmological scalar field. Physical Review D, 2012, 86, .	4.7	5
46	Quantum torsion with non-zero standard deviation: Non-perturbative approach for cosmology. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 5-8.	4.1	5
47	Dipole magnetic field of neutron stars in $$f(R)$$ f (R) gravity. General Relativity and Gravitation, 2016, 48, 1.	2.0	5
48	Thin-shell toroidal wormhole. Physical Review D, 2019, 99, .	4.7	5
49	Proca tubes with the flux of the longitudinal chromoelectric field and the energy flux/momentum density. European Physical Journal C, 2020, 80, 1.	3.9	5
50	Mass gap for a monopole interacting with a nonlinear spinor field. Physical Review D, 2021, 104, .	4.7	5
51	Proca balls with angular momentum or flux of electric field. Physical Review D, 2022, 105, .	4.7	5
52	PHANTOM THICK BRANE IN 5D BULK. Modern Physics Letters A, 2008, 23, 2811-2819.	1.2	4
53	Creation/annihilation of wormholes supported by the Sine-Gordon phantom (ghost) field. General Relativity and Gravitation, 2010, 42, 1889-1896.	2.0	4
54	Chameleon dark matter stars. Physical Review D, 2013, 88, .	4.7	4

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55	Dirac and non-Dirac conditions in the two-potential theory of magnetic charge. European Physical Journal C, 2018, 78, 1.	3.9	4
56	Linear Energy Density and the Flux of an Electric Field in Proca Tubes. Symmetry, 2021, 13, 640.	2.2	4
57	Compact and extended objects from self-interacting phantom fields. Physical Review D, 2016, 94, .	4.7	3
58	Nonperturbative Quantization Ã La Heisenberg: Modified Gravities, Wheeler-DeWitt Equations, and Monopoles in QCD. Gravitation and Cosmology, 2019, 25, 1-17.	1.1	3
59	Spinor field solutions in F(B2) modified Weyl gravity. International Journal of Modern Physics D, 2020, 29, 2050094.	2.1	3
60	Propagation of gravitational waves in the nonperturbative spinor vacuum. European Physical Journal C, 2014, 74, 1.	3.9	2
61	On the linear stability of polytropic fluid spheres in R2 gravity. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050165.	2.0	2
62	Thermodynamics and statistical physics of quasiparticles within the quarkâ€“gluon plasma model. Modern Physics Letters A, 2020, 35, 2050194.	1.2	2
63	The motion of color-charged particles as a means of testing the non-Abelian dark matter model. International Journal of Modern Physics D, 2019, 28, 1950017.	2.1	1
64	Dirac/Raritaâ€“Schwinger plus Maxwell theories in â„Ã— S3 spacetime in the Hopf coordinates. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050197.	2.0	1
65	Masking singularities in Weyl gravity and Ricci flows. European Physical Journal C, 2021, 81, 1.	3.9	1
66	Static and collapsing configurations supported by the spinor fluid. Physical Review D, 2021, 103, .	4.7	1
67	Axially symmetric particlelike solutions with the flux of a magnetic field in the non-Abelian Proca-Higgs theory. Physical Review D, 2021, 104, .	4.7	1
68	Dilaton-field burning in plasma. JETP Letters, 2002, 76, 604-606.	1.4	0
69	Modeling a nonperturbative spinor vacuum interacting with a strong gravitational wave. European Physical Journal C, 2015, 75, 1.	3.9	0
70	Extended objects in nonperturbative quantum-field theory and the cosmological constant. International Journal of Modern Physics D, 2017, 26, 1750074.	2.1	0
71	Dispersion relations for gravitational waves in different models of dark energy. International Journal of Modern Physics D, 2017, 26, 1750157.	2.1	0
72	Mass Gap in Nonperturbative Quantization Ã La Heisenberg. Universe, 2019, 5, 50.	2.5	0

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73	Energy conditions for a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>T</mml:mi><mml:mn>2</mml:mn></mml:msup></mml:math> wormhole at the center. Physical Review D, 2019, 100, .	4.7	0
74	Model of a spin-1/2 electric charge in F(B2) modified Weyl gravity. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050192.	2.0	0
75	Thick branes with codimension 1 in modified gravities. International Journal of Modern Physics A, 2020, 35, 2040019.	1.5	0
76	Rotating wormholes supported by a complex phantom scalar field with Mexican hat potential. AIP Conference Proceedings, 2021, , .	0.4	0
77	Nonperturbative Quantization Approach for QED on the Hopf Bundle. Universe, 2021, 7, 65.	2.5	0
78	Nonperturbative QED on the Hopf Bundle. Physical Sciences Forum, 2021, 2, 43.	0.3	0
79	F(R) DARK ENERGY: FROM THE TIME OF RECOMBINATION TILL PRESENT DAY. , 2008, , .		0
80	Properties of rotating wormholes. , 2017, , .		0
81	Modeling a nonperturbative spinor vacuum and the investigation of gravitational waves interacting with the nonperturbative spinor vacuum. , 2017, , .		0
82	Wormholes created by two scalar fields. , 2017, , .		0
83	Rapidly rotating Dirac stars. Physical Review D, 2022, 106, .	4.7	0