

# Vladimir N Folomeev

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

1,066  
citations

394421

19  
h-index

454955

30  
g-index

84  
all docs

84  
docs citations

84  
times ranked

353  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proca balls with angular momentum or flux of electric field. <i>Physical Review D</i> , 2022, 105, .	4.7	5
2	Rapidly rotating Dirac stars. <i>Physical Review D</i> , 2022, 106, .	4.7	0
3	Rotating wormholes supported by a complex phantom scalar field with Mexican hat potential. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
4	Nonperturbative Quantization Approach for QED on the Hopf Bundle. <i>Universe</i> , 2021, 7, 65.	2.5	0
5	Linear Energy Density and the Flux of an Electric Field in Proca Tubes. <i>Symmetry</i> , 2021, 13, 640.	2.2	4
6	Masking singularities in Weyl gravity and Ricci flows. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	1
7	Static and collapsing configurations supported by the spinor fluid. <i>Physical Review D</i> , 2021, 103, .	4.7	1
8	Nonperturbative QED on the Hopf Bundle. <i>Physical Sciences Forum</i> , 2021, 2, 43.	0.3	0
9	Mass gap for a monopole interacting with a nonlinear spinor field. <i>Physical Review D</i> , 2021, 104, .	4.7	5
10	Axially symmetric Proca-Higgs boson stars. <i>Physical Review D</i> , 2021, 104, .	4.7	8
11	Axially symmetric particlelike solutions with the flux of a magnetic field in the non-Abelian Proca-Higgs theory. <i>Physical Review D</i> , 2021, 104, .	4.7	1
12	Dirac/Rarita-Schwinger plus Maxwell theories in $\hat{A}_3$ -S3 spacetime in the Hopf coordinates. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, 2050197.	2.0	1
13	Proca tubes with the flux of the longitudinal chromoelectric field and the energy flux/momentum density. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	5
14	On the linear stability of polytropic fluid spheres in R2 gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, 2050165.	2.0	2
15	Model of a spin-1/2 electric charge in F(B2) modified Weyl gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, 2050192.	2.0	0
16	Monopole solutions in SU(2) Yang-Mills-plus-massive-nonlinear-spinor-field theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 806, 135480.	4.1	8
17	Thick branes in higher-dimensional f(R) gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, .	2.0	6
18	Thick branes with codimension 1 in modified gravities. <i>International Journal of Modern Physics A</i> , 2020, 35, 2040019.	1.5	0

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19	Thermodynamics and statistical physics of quasiparticles within the quark-gluon plasma model. <i>Modern Physics Letters A</i> , 2020, 35, 2050194.	1.2	2
20	Dirac star with SU(2) Yang-Mills and Proca fields. <i>Physical Review D</i> , 2020, 101, .	4.7	13
21	Spinor field solutions in F(B2) modified Weyl gravity. <i>International Journal of Modern Physics D</i> , 2020, 29, 2050094.	2.1	3
22	The motion of color-charged particles as a means of testing the non-Abelian dark matter model. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950017.	2.1	1
23	Rotating wormhole solutions with a complex phantom scalar field. <i>Physical Review D</i> , 2019, 100, .	4.7	19
24	Dirac star in the presence of Maxwell and Proca fields. <i>Physical Review D</i> , 2019, 99, .	4.7	22
25	Non-Abelian Proca-Dirac-Higgs theory: Particlelike solutions and their energy spectrum. <i>Physical Review D</i> , 2019, 99, .	4.7	12
26	Dirac stars supported by nonlinear spinor fields. <i>Physical Review D</i> , 2019, 99, .	4.7	18
27	Mass Gap in Nonperturbative Quantization $\tilde{\text{A}}$ La Heisenberg. <i>Universe</i> , 2019, 5, 50.	2.5	0
28	Nonperturbative Quantization $\tilde{\text{A}}$ La Heisenberg: Modified Gravities, Wheeler-DeWitt Equations, and Monopoles in QCD. <i>Gravitation and Cosmology</i> , 2019, 25, 1-17.	1.1	3
29	Thin-shell toroidal wormhole. <i>Physical Review D</i> , 2019, 99, .	4.7	5
30	Energy conditions for a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ wormhole at the center. <i>Physical Review D</i> , 2019, 100, .	4.7	0
31	Wormhole solutions with a complex ghost scalar field and their instability. <i>Physical Review D</i> , 2018, 97, .	4.7	16
32	Dirac and non-Dirac conditions in the two-potential theory of magnetic charge. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	4
33	Anisotropic neutron stars in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle R \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ gravity. <i>Physical Review D</i> , 2018, 97, .	4.7	24
34	Extended objects in nonperturbative quantum-field theory and the cosmological constant. <i>International Journal of Modern Physics D</i> , 2017, 26, 1750074.	2.1	0
35	Dispersion relations for gravitational waves in different models of dark energy. <i>International Journal of Modern Physics D</i> , 2017, 26, 1750157.	2.1	0
36	Properties of rotating wormholes. , 2017, , .		0

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37	Modeling a nonperturbative spinor vacuum and the investigation of gravitational waves interacting with the nonperturbative spinor vacuum. , 2017, , .		0
38	Wormholes created by two scalar fields. , 2017, , .		0
39	Can mixed star-plus-wormhole systems mimic black holes?. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 030-030.	5.4	14
40	Compact and extended objects from self-interacting phantom fields. Physical Review D, 2016, 94, .	4.7	3
41	Dipole magnetic field of neutron stars in $f(R)$ gravity. General Relativity and Gravitation, 2016, 48, 1.	2.0	5
42	Modeling a nonperturbative spinor vacuum interacting with a strong gravitational wave. European Physical Journal C, 2015, 75, 1.	3.9	0
43	Modified gravity from the nonperturbative quantization of a metric. European Physical Journal C, 2015, 75, 157.	3.9	49
44	Magnetic fields in anisotropic relativistic stars. Physical Review D, 2015, 91, .	4.7	18
45	Magnetic fields in mixed neutron-star-plus-wormhole systems. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 005-005.	5.4	13
46	Star-plus-wormhole systems with two interacting scalar fields. International Journal of Modern Physics D, 2015, 24, 1550097.	2.1	7
47	Boson stars with nontrivial topology. Physical Review D, 2014, 90, .	4.7	25
48	Propagation of gravitational waves in the nonperturbative spinor vacuum. European Physical Journal C, 2014, 74, 1.	3.9	2
49	Modified gravity from the quantum part of the metric. European Physical Journal C, 2014, 74, 1.	3.9	58
50	Kaluza-Klein wormholes with the compactified fifth dimension. Modern Physics Letters A, 2014, 29, 1450025.	1.2	13
51	Hiding a neutron star inside a wormhole. Physical Review D, 2014, 89, .	4.7	21
52	Wormhole solutions supported by interacting dark matter and dark energy. Physical Review D, 2014, 89, .	4.7	9
53	Rotating wormholes in five dimensions. Physical Review D, 2013, 88, .	4.7	30
54	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

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55	Mixed neutron-star-plus-wormhole systems: Linear stability analysis. <i>Physical Review D</i> , 2013, 87, .	4.7	24
56	Chameleon dark matter stars. <i>Physical Review D</i> , 2013, 88, .	4.7	4
57	Mixed neutron-star-plus-wormhole systems: Equilibrium configurations. <i>Physical Review D</i> , 2012, 85, .	4.7	22
58	Chameleon stars supported by a cosmological scalar field. <i>Physical Review D</i> , 2012, 86, .	4.7	5
59	Relativistic polytropic spheres embedded in a chameleon scalar field. <i>Physical Review D</i> , 2012, 85, .	4.7	13
60	Nonrelativistic isothermal fluid in the presence of a chameleon scalar field: Static and collapsing configurations. <i>Physical Review D</i> , 2012, 85, .	4.7	8
61	Thick brane solutions supported by two spinor fields. <i>General Relativity and Gravitation</i> , 2012, 44, 253-261.	2.0	7
62	Chameleon stars. <i>Physical Review D</i> , 2011, 84, .	4.7	29
63	Spinor brane. <i>General Relativity and Gravitation</i> , 2011, 43, 1253-1261.	2.0	8
64	A star harbouring a wormhole at its core. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 031-031.	5.4	26
65	Some thick brane solutions in $f(R)$ -gravity. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	40
66	Creation/annihilation of wormholes supported by the Sine-Gordon phantom (ghost) field. <i>General Relativity and Gravitation</i> , 2010, 42, 1889-1896.	2.0	4
67	On the self-similar motion of a gravitating Chaplygin fluid. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 693, 209-212.	4.1	5
68	Linear stability of spherically symmetric and wormhole solutions supported by the sine-Gordon ghost scalar field. <i>Physical Review D</i> , 2010, 82, .	4.7	15
69	Thick brane solutions. <i>Reports on Progress in Physics</i> , 2010, 73, 066901.	20.1	171
70	Thick brane in 7D and 8D spacetimes. <i>General Relativity and Gravitation</i> , 2009, 41, 131-146.	2.0	23
71	Thick de Sitter brane solutions in higher dimensions. <i>Physical Review D</i> , 2009, 79, .	4.7	27
72	Viscous dark fluid. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 661, 75-77.	4.1	14

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73	6D thick branes from interacting scalar fields. <i>Physical Review D</i> , 2008, 77, .	4.7	45
74	PHANTOM FIELDS: BOUNCE SOLUTIONS IN THE EARLY UNIVERSE AND S-BRANES. <i>International Journal of Modern Physics D</i> , 2008, 17, 2351-2358.	2.1	10
75	PHANTOM THICK BRANE IN 5D BULK. <i>Modern Physics Letters A</i> , 2008, 23, 2811-2819.	1.2	4
76	4D STATIC SOLUTIONS WITH INTERACTING PHANTOM FIELDS. <i>International Journal of Modern Physics D</i> , 2008, 17, 2125-2142.	2.1	6
77	Non-singular solutions to Einstein-Klein-Gordon equations with a phantom scalar field. <i>Journal of High Energy Physics</i> , 2008, 2008, 094-094.	4.7	38
78	F(R) DARK ENERGY: FROM THE TIME OF RECOMBINATION TILL PRESENT DAY. , 2008, , .		0
79	THE BIANCHI TYPE I MODEL WITH TWO INTERACTING SCALAR FIELDS. <i>International Journal of Modern Physics D</i> , 2007, 16, 1845-1852.	2.1	9
80	COSMIC STRING WITH TWO INTERACTING SCALAR FIELDS. <i>Modern Physics Letters A</i> , 2007, 22, 407-413.	1.2	5
81	RELATIVISTIC MODEL OF DETONATION TRANSITION FROM NEUTRON TO STRANGE MATTER. <i>International Journal of Modern Physics D</i> , 2005, 14, 33-50.	2.1	33
82	Dilaton-field burning in plasma. <i>JETP Letters</i> , 2002, 76, 604-606.	1.4	0
83	Classical and Quantum Evolution of the Bianchi Type I Model. <i>General Relativity and Gravitation</i> , 2000, 32, 1255-1269.	2.0	7