List of Publications by Year in descending order

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VALED PEDOLOV

#	Article	IF	CITATIONS
1	Spherically symmetric black holes in the limiting curvature theory of gravity. Physical Review D, 2022, 105, .	4.7	6
2	Ultrarelativistic charged and magnetized objects in nonlocal ghost-free electrodynamics. Physical Review D, 2021, 103, .	4.7	2
3	Resonant particle creation by a time-dependent potential in a nonlocal theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136252.	4.1	0
4	Two-dimensional black holes in the limiting curvature theory of gravity. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
5	Nonlocal scalar field in an external potential: The WKB approximation. Physical Review D, 2021, 103, .	4.7	0
6	Bouncing cosmology in the limiting curvature theory of gravity. Physical Review D, 2021, 104, .	4.7	5
7	Maxwell equations in a curved spacetime: Spin optics approximation. Physical Review D, 2020, 102, .	4.7	17
8	Ultrarelativistic spinning objects in nonlocal ghost-free gravity. Physical Review D, 2020, 101, .	4.7	19
9	Duality and μ separability of Maxwell equations in Kerr-NUT-(A)dS spacetimes. Physical Review D, 2019, 99, .	4.7	8
10	On thermal field fluctuations in ghost-free theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 290-296.	4.1	11
11	Chost-free modification of the Polyakov action and Hawking radiation. Physical Review D, 2019, 100, .	4.7	13
12	Probing the vacuum fluctuations in scalar ghost-free theories. Physical Review D, 2019, 99, .	4.7	14
13	Remarks on Black Hole Entropy. , 2019, , 35-52.		0
14	On the Liouville 2D dilaton gravity models with sinh-Gordon matter. Journal of High Energy Physics, 2018, 2018, 1.	4.7	2
15	Gravitational field of static <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"><mml:mi>p</mml:mi></mml:math> -branes in linearized ghost-free gravity. Physical Review D, 2018, 97, .	4.7	54
16	Principal Killing strings in higher-dimensional Kerr-NUT-(A)dS spacetimes. Physical Review D, 2018, 97, .	4.7	2
17	Stationary black holes with stringy hair. Physical Review D, 2018, 97, .	4.7	5
18	Superradiance in a ghost-free scalar theory. Physical Review D, 2018, 98, .	4.7	7

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19	Separation of Maxwell equations in Kerr–NUT–(A)dS spacetimes. Nuclear Physics B, 2018, 934, 7-38.	2.5	36
20	Quantum scattering on a delta potential in ghost-free theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 688-693.	4.1	20
21	Separation of variables in Maxwell equations in Plebański-Demiański spacetime. Physical Review D, 2018, 97, .	4.7	24
22	New metrics admitting the principal Killingâ \in "Yano tensor. Physical Review D, 2018, 97, .	4.7	4
23	Massive Vector Fields in Rotating Black-Hole Spacetimes: Separability and Quasinormal Modes. Physical Review Letters, 2018, 120, 231103.	7.8	72
24	Quantum radiation from a sandwich black hole. Physical Review D, 2017, 95, .	4.7	10
25	Quantum radiation from an evaporating nonsingular black hole. Physical Review D, 2017, 95, .	4.7	46
26	Weakly charged generalized Kerr–NUT–(A)dS spacetimes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 254-256.	4.1	7
27	Black holes, hidden symmetries, and complete integrability. Living Reviews in Relativity, 2017, 20, 6.	26.7	147
28	Deformed and twisted black holes with NUTs. Classical and Quantum Gravity, 2016, 33, 115016.	4.0	7
29	Notes on nonsingular models of black holes. Physical Review D, 2016, 94, .	4.7	182
30	Head-on collision of ultrarelativistic particles in ghost-free theories of gravity. Physical Review D, 2016, 93, .	4.7	78
31	Radiation from an emitter in the ghost free scalar theory. Physical Review D, 2016, 93, .	4.7	26
32	Mass Gap for Black-Hole Formation in Higher-Derivative and Ghost-Free Gravity. Physical Review Letters, 2015, 115, 051102.	7.8	115
33	Biconformal symmetry and static Maxwell fields near higher-dimensional black holes. Physical Review D, 2015, 92, .	4.7	2
34	Hybrid black holes. Physical Review D, 2015, 91, .	4.7	0
35	Spherical collapse of small masses in the ghost-free gravity. Journal of High Energy Physics, 2015, 2015, 1.	4.7	90
36	Biconformal symmetry and static Green functions in the higher-dimensional Reissner-Nordström spacetimes. Physical Review D, 2015, 91, .	4.7	4

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37	Bi-conformal symmetry and static Green functions in the Schwarzschild-Tangherlini spacetimes. Journal of High Energy Physics, 2015, 2015, 1.	4.7	7
38	Rigidly rotating zero-angular-momentum observer surfaces in the Kerr spacetime. Physical Review D, 2014, 90, .	4.7	14
39	Spectral line broadening in magnetized black holes. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 059-059.	5.4	10
40	Radiation from an emitter revolving around a magnetized nonrotating black hole. Physical Review D, 2014, 90, .	4.7	4
41	Charged particles in higher dimensional homogeneous gravitational field: self-energy and self-force. Journal of High Energy Physics, 2014, 2014, 1.	4.7	9
42	Information loss problem and a â€ [~] black hole' model with a closed apparent horizon. Journal of High Energy Physics, 2014, 2014, 1.	4.7	99
43	Black Holes, Hidden Symmetry and Complete Integrability: Brief Review. , 2014, , 261-273.		1
44	Generalized Fermat's principle and action for light rays in a curved spacetime. Physical Review D, 2013, 88, .	4.7	9
45	Electron in higher-dimensional weakly charged rotating black hole spacetimes. Physical Review D, 2013, 87, .	4.7	6
46	Self-energy anomaly of an electric pointlike dipole in three-dimensional static spacetimes. Physical Review D, 2013, 88, .	4.7	6
47	Critical escape velocity for a charged particle moving around a weakly magnetized Schwarzschild black hole. Physical Review D, 2013, 87, .	4.7	71
48	Geometry of Lax pairs: Particle motion and Killing-Yano tensors. Physical Review D, 2013, 87, .	4.7	12
49	Scattering of circularly polarized light by a rotating black hole. Physical Review D, 2012, 86, .	4.7	25
50	Anomaly and the self-energy of electric charges. Physical Review D, 2012, 86, .	4.7	9
51	Self-energy of a scalar charge near higher-dimensional black holes. Physical Review D, 2012, 85, .	4.7	10
52	Scalar and electromagnetic fields of static sources in higher dimensional Majumdar-Papapetrou spacetimes. Physical Review D, 2012, 85, .	4.7	19
53	Weakly magnetized black holes as particle accelerators. Physical Review D, 2012, 85, .	4.7	119
54	Classical self-energy and anomaly. Physical Review D, 2012, 86, .	4.7	9

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55	Spinoptics in a stationary spacetime. Physical Review D, 2011, 84, .	4.7	27
56	Charged particle in higher dimensional weakly charged rotating black hole spacetime. Physical Review D, 2011, 83, .	4.7	43
57	PARTICLE DYNAMICS IN WEAKLY CHARGED EXTREME KERR THROAT. International Journal of Modern Physics D, 2011, 20, 649-660.	2.1	14
58	Motion of charged particles near a weakly magnetized Schwarzschild black hole. Physical Review D, 2010, 82, .	4.7	126
59	Black holes in higher dimensional gravity theory with corrections quadratic in curvature. Physical Review D, 2009, 80, .	4.7	24
60	Parallel-propagated frame along null geodesics in higher-dimensional black hole spacetimes. Physical Review D, 2009, 79, .	4.7	14
61	Hidden symmetries of higher-dimensional black holes and uniqueness of the Kerr-NUT-(A)dS spacetime. Physical Review D, 2008, 78, .	4.7	77
62	Solving parallel transport equations in the higher-dimensional Kerr-NUT-(A)dS spacetimes. Physical Review D, 2008, 78, .	4.7	16
63	Higher-dimensional black holes: hidden symmetries and separation of variables. Classical and Quantum Gravity, 2008, 25, 154005.	4.0	100
64	Hidden Symmetries of Higher-Dimensional Black Hole Spacetimes. Progress of Theoretical Physics Supplement, 2008, 172, 210-219.	0.1	19
65	Stationary strings and branes in the higher-dimensional Kerr-NUT-(A)dS spacetimes. Journal of High Energy Physics, 2008, 2008, 007-007.	4.7	31
66	Killing-Yano tensors, rank-2 Killing tensors, and conserved quantities in higher dimensions. Journal of High Energy Physics, 2007, 2007, 004-004.	4.7	88
67	The hidden symmetry of higher dimensional Kerr–NUT–AdS spacetimes. Classical and Quantum Gravity, 2007, 24, F1-F6.	4.0	93
68	Hidden Symmetries of Higher-Dimensional Rotating Black Holes. Physical Review Letters, 2007, 98, 011101.	7.8	82
69	Separability of Hamilton-Jacobi and Klein-Gordon equations in general Kerr-NUT-AdS spacetimes. Journal of High Energy Physics, 2007, 2007, 005-005.	4.7	110
70	Apparent horizon formation in the head-on collision of gyratons. Physical Review D, 2007, 75, .	4.7	18
71	Spectral broadening of radiation from relativistic collapsing objects. Physical Review D, 2007, 75, .	4.7	7
72	Gravitational Field of Gyratons. International Journal of Theoretical Physics, 2007, 46, 2181-2191.	1.2	1

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73	String gyratons in supergravity. Physical Review D, 2006, 73, .	4.7	16
74	Merger transitions in brane–black-hole systems: Criticality, scaling, and self-similarity. Physical Review D, 2006, 74, .	4.7	40
75	Gravitational field of charged gyratons. Classical and Quantum Gravity, 2006, 23, 2119-2128.	4.0	26
76	Gyraton Solutions in Einstein-Maxwell Theory and Supergravity. , 2006, , .		0
77	Relativistic gyratons in asymptotically AdS spacetime. Physical Review D, 2005, 72, .	4.7	33
78	Gravitational field of relativistic gyratons. Physical Review D, 2005, 72, .	4.7	51
79	Gravitational field of a spinning radiation beam pulse in higher dimensions. Physical Review D, 2005, 71,	4.7	56
80	Observable form of pulses emitted from relativistic collapsing objects. Physical Review D, 2005, 71, .	4.7	6
81	Interaction of higher-dimensional rotating black holes with branes. Classical and Quantum Gravity, 2004, 21, 3483-3498.	4.0	32
82	Rotating black holes in brane worlds. Journal of High Energy Physics, 2004, 2004, 057-057.	4.7	30
83	Stationary strings near a higher-dimensional rotating black hole. Physical Review D, 2004, 70, .	4.7	16
84	Five-dimensional rotating black hole in a uniform magnetic field: The gyromagnetic ratio. Physical Review D, 2004, 69, .	4.7	73
85	Interaction of a brane with a moving bulk black hole. Physical Review D, 2003, 68, .	4.7	56
86	Quantum radiation from a5-dimensional rotating black hole. Physical Review D, 2003, 67, .	4.7	159
87	Particle and light motion in a space-time of a five-dimensional rotating black hole. Physical Review D, 2003, 68, .	4.7	153
88	Black Hole as a Point Radiator and Recoil Effect on the Brane World. Physical Review Letters, 2002, 89, 151302.	7.8	100
89	COSMIC STRINGS AND ENERGY MINING FROM BLACK HOLES. International Journal of Modern Physics A, 2002, 17, 2673-2676.	1.5	15
90	Black Hole Physics. Fundamental Theories of Physics, 1998, , .	0.3	586

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91	How many new worlds are inside a black hole?. Physical Review D, 1996, 53, 3215-3223.	4.7	87
92	QUANTUM GRAVITY AND BLACK HOLE ENTROPY. International Journal of Modern Physics D, 1996, 05, 649-664.	2.1	2