

Pavel Krtouš

List of Publications by Year in descending order

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62
papers

1,541
citations

331670

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all docs

62
docs citations

62
times ranked

665
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher-dimensional black holes with multiple equal rotations. <i>Physical Review D</i> , 2022, 105, .	4.7	0
2	Equal-spin limit of the Kerr-NUT-(A)dS spacetime. , 2022, , .		0
3	Self-force on a static particle near a black hole. <i>Physical Review D</i> , 2020, 102, .	4.7	2
4	Are "Superentropic" black holes superentropic?. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	16
5	Thermodynamics of two black holes. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	13
6	Duality and $\frac{1}{4}$ separability of Maxwell equations in Kerr-NUT-(A)dS spacetimes. <i>Physical Review D</i> , 2019, 99, .	4.7	8
7	Symmetry axes of Kerr-NUT-(A)dS spacetimes. <i>Physical Review D</i> , 2019, 100, .	4.7	6
8	Separation of Maxwell equations in Kerr-NUT-(A)dS spacetimes. <i>Nuclear Physics B</i> , 2018, 934, 7-38.	2.5	36
9	Separation of variables in Maxwell equations in Plebański-Demiański spacetime. <i>Physical Review D</i> , 2018, 97, .	4.7	24
10	On integrability of the geodesic deviation equation. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	6
11	New metrics admitting the principal Killing-Yano tensor. <i>Physical Review D</i> , 2018, 97, .	4.7	4
12	Massive Vector Fields in Rotating Black-Hole Spacetimes: Separability and Quasinormal Modes. <i>Physical Review Letters</i> , 2018, 120, 231103.	7.8	72
13	Weakly charged generalized Kerr-NUT-(A)dS spacetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 771, 254-256.	4.1	7
14	NUT-like and near-horizon limits of Kerr-NUT-(A)dS spacetimes. <i>Physical Review D</i> , 2017, 95, .	4.7	8
15	Black holes, hidden symmetries, and complete integrability. <i>Living Reviews in Relativity</i> , 2017, 20, 6.	26.7	147
16	Deformed and twisted black holes with NUTs. <i>Classical and Quantum Gravity</i> , 2016, 33, 115016.	4.0	7
17	Spacetimes with a separable Klein-Gordon equation in higher dimensions. <i>Physical Review D</i> , 2016, 93, .	4.7	6
18	Killing-Yano forms and Killing tensors on a warped space. <i>Physical Review D</i> , 2016, 93, .	4.7	8

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19	Weak electromagnetic field admitting integrability in Kerr-NUT-(A)dS spacetimes. <i>Physical Review D</i> , 2015, 91, .	4.7	8
20	Entanglement entropy of spherical domains in anti-de Sitter space. <i>Physical Review D</i> , 2014, 89, .	4.7	0
21	Minimal surfaces and entanglement entropy in anti-de Sitter space. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	9
22	Electron in higher-dimensional weakly charged rotating black hole spacetimes. <i>Physical Review D</i> , 2013, 87, .	4.7	6
23	Geometry of Lax pairs: Particle motion and Killing-Yano tensors. <i>Physical Review D</i> , 2013, 87, .	4.7	12
24	Higher-dimensional Kundt waves and gyratons. <i>Physical Review D</i> , 2012, 86, .	4.7	18
25	Hidden symmetries and integrability in higher dimensional rotating black hole spacetimes. <i>Fortschritte Der Physik</i> , 2012, 60, 947-951.	4.4	6
26	Dirac equation in Kerr-NUT-(A)dS spacetimes: Intrinsic characterization of separability in all dimensions. <i>Physical Review D</i> , 2011, 84, .	4.7	36
27	Commuting symmetry operators of the Dirac equation, Killing-Yano and Schouten-Nijenhuis brackets. <i>Physical Review D</i> , 2011, 84, .	4.7	33
28	Hidden symmetry in the presence of fluxes. <i>Nuclear Physics B</i> , 2011, 844, 185-198.	2.5	20
29	Charged particle in higher dimensional weakly charged rotating black hole spacetime. <i>Physical Review D</i> , 2011, 83, .	4.7	43
30	Billiard ball in the space with a time machine. <i>Physical Review D</i> , 2010, 82, .	4.7	4
31	Gyratons on Melvin spacetime. <i>Physical Review D</i> , 2010, 82, .	4.7	9
32	Parallel-propagated frame along null geodesics in higher-dimensional black hole spacetimes. <i>Physical Review D</i> , 2009, 79, .	4.7	14
33	Gyratons on direct-product spacetimes. <i>Physical Review D</i> , 2009, 80, .	4.7	26
34	Hidden symmetries of higher-dimensional black holes and uniqueness of the Kerr-NUT-(A)dS spacetime. <i>Physical Review D</i> , 2008, 78, .	4.7	77
35	Complete set of commuting symmetry operators for the Klein-Gordon equation in generalized higher-dimensional Kerr-NUT-(A)dS spacetimes. <i>Physical Review D</i> , 2008, 77, .	4.7	39
36	ULTRARELATIVISTIC BOOSTS OF BLACK RINGS. , 2008, , .		0

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37	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
38	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
39	Complete Integrability of Geodesic Motion in General Higher-Dimensional Rotating Black-Hole Spacetimes. Physical Review Letters, 2007, 98, 061102.	7.8	117
40	Conformal Killing-Yano tensors for the Plebański-Demiański family of solutions. Physical Review D, 2007, 76, .	4.7	54
41	Constants of geodesic motion in higher-dimensional black-hole spacetimes. Physical Review D, 2007, 76, .	4.7	52
42	Electromagnetic field in higher-dimensional black-hole spacetimes. Physical Review D, 2007, 76, .	4.7	19
43	Melvin universe as a limit of the C-metric. General Relativity and Gravitation, 2007, 39, 291-296.	2.0	6
44	Interpreting the C -metric. Classical and Quantum Gravity, 2006, 23, 6745-6766.	4.0	97
45	Asymptotic structure of radiation in higher dimensions. Classical and Quantum Gravity, 2006, 23, 1603-1615.	4.0	11
46	Electromagnetic field near a cosmic string. Physical Review D, 2006, 74, .	4.7	5
47	Asymptotic directional structure of radiation for fields of algebraic type D. European Physical Journal D, 2005, 55, 119-138.	0.4	3
48	Ultrarelativistic boost of spinning black rings. Journal of High Energy Physics, 2005, 2005, 001-001.	4.7	3
49	Fields of accelerated sources: Born in de Sitter. Journal of Mathematical Physics, 2005, 46, 102504.	1.1	20
50	Ultrarelativistic boost of the black ring. Physical Review D, 2005, 71, .	4.7	10
51	Accelerated black holes in an anti-de Sitter universe. Physical Review D, 2005, 72, .	4.7	42
52	Sum-over-histories quantization of relativistic particle. Classical and Quantum Gravity, 2004, 21, 1519-1557.	4.0	0
53	Gravitational and electromagnetic fields near an anti-de Sitter-like infinity. Physical Review D, 2004, 69, .	4.7	5
54	Covariant Derivative on Non-linear Fiber Bundles. European Physical Journal D, 2004, 54, 273-288.	0.4	0

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55	Asymptotic directional structure of radiative fields in spacetimes with a cosmological constant. Classical and Quantum Gravity, 2004, 21, R233-R273.	4.0	16
56	Radiation from accelerated black holes in a de Sitter universe. Physical Review D, 2003, 68, .	4.7	30
57	Gravitational and Electromagnetic Fields near a de Sitter-Like Infinity. Physical Review Letters, 2003, 91, 061101.	7.8	15
58	Radiation from accelerated black holes in an anti-de Sitter universe. Physical Review D, 2003, 68, .	4.7	49
59	RADIATIVE FIELDS IN SPACETIMES WITH MINKOWSKI AND DE SITTER ASYMPTOTICS. , 2003, , .		0
60	The Fields of Uniformly Accelerated Charges in de Sitter Spacetime. Physical Review Letters, 2002, 88, 211101.	7.8	28
61	BOUNDARY QUANTUM MECHANICS. , 2002, , 289-323.		0
62	Accelerated sources in de Sitter spacetime and the insufficiency of retarded fields. Physical Review D, 2001, 64, .	4.7	31