

Alexander Zhidenko

List of Publications by Year in descending order

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74
papers

4,638
citations

87888

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95266

68
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all docs

75
docs citations

75
times ranked

1672
citing authors

#	ARTICLE	IF	CITATIONS
1	Traversable Wormholes in General Relativity. <i>Physical Review Letters</i> , 2022, 128, 091104.	7.8	45
2	Analytic formula for quasinormal modes in the near-extreme Kerr-Newman-de Sitter spacetime governed by a non-Pöschl-Teller potential. <i>Physical Review D</i> , 2022, 105, .	4.7	17
3	Can the abyss swallow gravitational waves or why do we not observe echoes?. <i>Europhysics Letters</i> , 2022, 138, 49001.	2.0	5
4	Quasinormal ringing of general spherically symmetric parametrized black holes. <i>Physical Review D</i> , 2022, 105, .	4.7	8
5	Solutions of the Einstein Equations for a Black Hole Surrounded by a Galactic Halo. <i>Astrophysical Journal</i> , 2022, 933, 166.	4.5	27
6	Shadows of parametrized axially symmetric black holes allowing for separation of variables. <i>Physical Review D</i> , 2021, 103, .	4.7	33
7	Massive particles in the Einstein-Lovelock anti-de Sitter black hole spacetime. <i>Classical and Quantum Gravity</i> , 2021, 38, 045015.	4.0	3
8	Wormholes without exotic matter: quasinormal modes, echoes and shadows. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 010.	5.4	32
9	Blandford-Znajek mechanism in the general stationary axially-symmetric black-hole spacetime. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 002.	5.4	16
10	Simply rotating higher dimensional black holes in Einstein-Gauss-Bonnet theory. <i>Physical Review D</i> , 2020, 102, .	4.7	6
11	4D Einstein-Lovelock black holes: Hierarchy of orders in curvature. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 807, 135607.	4.1	20
12	(In)stability of black holes in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e264" altimg="si5.svg" \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Einstein-Gauss-Bonnet and Einstein-Lovelock gravities. <i>Physics of the Dark Universe</i> , 2020, 30, 100697.	4.9	60
13	BTZ black holes with higher curvature corrections in the 3D Einstein-Lovelock gravity. <i>Physical Review D</i> , 2020, 102, .	4.7	22
14	General parametrization of black holes: The only parameters that matter. <i>Physical Review D</i> , 2020, 101, .	4.7	32
15	Arbitrarily long-lived quasinormal modes in a wormhole background. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 802, 135207.	4.1	36
16	Einstein-scalar-Gauss-Bonnet black holes: Analytical approximation for the metric and applications to calculations of shadows. <i>Physical Review D</i> , 2020, 101, .	4.7	49
17	Black holes in the four-dimensional Einstein-Lovelock gravity. <i>Physical Review D</i> , 2020, 101, .	4.7	79
18	Stable Schwarzschild stars as black-hole mimickers. <i>Physical Review D</i> , 2019, 100, .	4.7	28

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19	Analytical representation for metrics of scalarized Einstein-Maxwell black holes and their shadows. <i>Physical Review D</i> , 2019, 100, .	4.7	70
20	Higher order WKB formula for quasinormal modes and grey-body factors: recipes for quick and accurate calculations. <i>Classical and Quantum Gravity</i> , 2019, 36, 155002.	4.0	170
21	Echoes of compact objects: New physics near the surface and matter at a distance. <i>Physical Review D</i> , 2019, 99, .	4.7	55
22	Axisymmetric black holes allowing for separation of variables in the Klein-Gordon and Hamilton-Jacobi equations. <i>Physical Review D</i> , 2018, 97, .	4.7	37
23	Quasinormal modes of massive fermions in Kerr spacetime: Long-lived modes and the fine structure. <i>Physical Review D</i> , 2018, 97, .	4.7	26
24	Massive nonminimally coupled scalar field in Reissner-Nordström spacetime: Long-lived quasinormal modes and instability. <i>Physical Review D</i> , 2018, 98, .	4.7	23
25	No stable wormholes in Einstein-dilaton-Gauss-Bonnet theory. <i>Physical Review D</i> , 2018, 98, .	4.7	33
26	The portrait of eikonal instability in Lovelock theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 050-050.	5.4	51
27	Analytical approximation for the Einstein-dilaton-Gauss-Bonnet black hole metric. <i>Physical Review D</i> , 2017, 96, .	4.7	32
28	Non-Schwarzschild black-hole metric in four dimensional higher derivative gravity: Analytical approximation. <i>Physical Review D</i> , 2017, 96, .	4.7	57
29	Eikonal instability of Gauss-Bonnet“(anti-)“de Sitter black holes. <i>Physical Review D</i> , 2017, 95, .	4.7	40
30	BlackHoleCam: Fundamental physics of the galactic center. <i>International Journal of Modern Physics D</i> , 2017, 26, 1730001.	2.1	148
31	Quasinormal modes of Gauss-Bonnet-AdS black holes: towards holographic description of finite coupling. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	38
32	Holographic Picture Of Quantum Matter: From Black Holes To Quark-gluon Plasma. , 2017, .		0
33	Wormholes versus black holes: quasinormal ringing at early and late times. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 043-043.	5.4	99
34	Detection of gravitational waves from black holes: Is there a window for alternative theories?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 756, 350-353.	4.1	167
35	General parametrization of axisymmetric black holes in metric theories of gravity. <i>Physical Review D</i> , 2016, 93, .	4.7	178
36	Quasinormal modes and a new instability of Einstein-Gauss-Bonnet black holes in the de Sitter world. <i>Physical Review D</i> , 2016, 93, .	4.7	48

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37	New method for shadow calculations: Application to parametrized axisymmetric black holes. Physical Review D, 2016, 94, .	4.7	219
38	Bifurcation of the quasinormal spectrum and zero damped modes for rotating dilatonic black holes. Physical Review D, 2015, 92, .	4.7	17
39	Instability of D -dimensional extremally charged Reissner-Nordström (-de Sitter) black holes: Extrapolation to arbitrary D . Physical Review D, 2014, 89, .	4.7	27
40	Massive charged scalar field in the Kerr-Newman background: Hawking radiation. Physical Review D, 2014, 89, .	4.7	7
41	Charged scalar field instability between the event and cosmological horizons. Physical Review D, 2014, 90, .	4.7	47
42	New parametrization for spherically symmetric black holes in metric theories of gravity. Physical Review D, 2014, 90, .	4.7	143
43	Radiation processes in the vicinity of non-Schwarzschild and non-Kerr black holes. Physical Review D, 2013, 87, .	4.7	13
44	Massive charged scalar field in the Kerr-Newman background: Quasinormal modes, late-time tails and stability. Physical Review D, 2013, 88, .	4.7	59
45	Instabilities of wormholes and regular black holes supported by a phantom scalar field. Physical Review D, 2012, 86, .	4.7	137
46	Stability of tardyons and tachyons in the rotating and expanding Universe. Physical Review D, 2012, 86, .	4.7	6
47	Quasinormal modes, scattering, and Hawking radiation of Kerr-Newman black holes in a magnetic field. Physical Review D, 2011, 83, .	4.7	34
48	Quasinormal modes of black holes: From astrophysics to string theory. Reviews of Modern Physics, 2011, 83, 793-836.	45.6	850
49	On the stability of scalar-vacuum space-times. European Physical Journal C, 2011, 71, 1.	3.9	71
50	Superradiance and instability of the charged Myers-Perry black holes in the Gödel universe. Physical Review D, 2011, 84, .	4.7	18
51	AdS-like spectrum of the asymptotically Gödel space-times. Physical Review D, 2011, 84, .	4.7	8
52	Holographic conductivity of zero temperature superconductors. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 686, 199-206.	4.1	62
53	Long life of Gauss-Bonnet corrected black holes. Physical Review D, 2010, 82, .	4.7	38
54	Gravitational stability of simply rotating Myers-Perry black holes: Tensorial perturbations. Physical Review D, 2010, 81, .	4.7	32

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55	Passage of radiation through wormholes of arbitrary shape. Physical Review D, 2010, 81, .	4.7	62
56	Instability of Higher-Dimensional Charged Black Holes in the deSitter World. Physical Review Letters, 2009, 103, 161101.	7.8	86
57	Gravitational instability of simply rotating AdS black holes in higher dimensions. Physical Review D, 2009, 79, .	4.7	58
58	Evolution of perturbations of squashed Kaluza-Klein black holes: Escape from instability. Physical Review D, 2008, 77, .	4.7	51
59	(In)stability of D -dimensional black holes in Gauss-Bonnet theory. Physical Review D, 2008, 77, .	4.7	86
60	Looking at the Gregory-Laflamme instability through quasinormal modes. Physical Review D, 2008, 78, .	4.7	33
61	Stability of higher dimensional Reissner-Nordström-anti-de Sitter black holes. Physical Review D, 2008, 78, .	4.7	68
62	Quasinormal modes of brane-localized standard model fields in Gauss-Bonnet theory. Physical Review D, 2008, 78, .	4.7	17
63	Perturbations of Schwarzschild black holes in laboratories. Classical and Quantum Gravity, 2007, 24, 5901-5909.	4.0	8
64	Stability of multidimensional black holes: Complete numerical analysis. Nuclear Physics B, 2007, 777, 182-202.	2.5	74
65	Decay of a charged scalar and Dirac fields in the Kerr-Newman-de Sitter background. Physical Review D, 2007, 76, .	4.7	41
66	Late time tails of the massive vector field in a black hole background. Physical Review D, 2007, 75, .	4.7	40
67	Perturbations and quasi-normal modes of black holes in Einstein-Aether theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 644, 186-191.	4.1	58
68	Gravitational spectrum of black holes in the Einstein-Aether theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 648, 236-239.	4.1	36
69	Massive scalar field quasinormal modes of higher dimensional black holes. Physical Review D, 2006, 74, .	4.7	46
70	Quasinormal modes of brane-localized standard model fields. II. Kerr black holes. Physical Review D, 2006, 74, .	4.7	39
71	Quasi-normal modes of the scalar hairy black hole. Classical and Quantum Gravity, 2006, 23, 3155-3164.	4.0	21
72	High overtones of Dirac perturbations of a Schwarzschild black hole. Physical Review D, 2005, 71, .	4.7	31

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73	High overtones of Schwarzschild-de-Sitter quasinormal spectrum. Journal of High Energy Physics, 2004, 2004, 037-037.	4.7	48
74	Quasi-normal modes of Schwarzschild-de Sitter black holes. Classical and Quantum Gravity, 2004, 21, 273-280.	4.0	146