

# Alexander Zhidenko

## List of Publications by Year in descending order

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Version: 2024-02-01

74  
papers

4,638  
citations

87888

38  
h-index

95266

68  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasinormal modes of black holes: From astrophysics to string theory. <i>Reviews of Modern Physics</i> , 2011, 83, 793-836.	45.6	850
2	New method for shadow calculations: Application to parametrized axisymmetric black holes. <i>Physical Review D</i> , 2016, 94, .	4.7	219
3	General parametrization of axisymmetric black holes in metric theories of gravity. <i>Physical Review D</i> , 2016, 93, .	4.7	178
4	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
5	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
6	BlackHoleCam: Fundamental physics of the galactic center. <i>International Journal of Modern Physics D</i> , 2017, 26, 1730001.	2.1	148
7	Quasi-normal modes of Schwarzschild-de Sitter black holes. <i>Classical and Quantum Gravity</i> , 2004, 21, 273-280.	4.0	146
8	New parametrization for spherically symmetric black holes in metric theories of gravity. <i>Physical Review D</i> , 2014, 90, .	4.7	143
9	Instabilities of wormholes and regular black holes supported by a phantom scalar field. <i>Physical Review D</i> , 2012, 86, .	4.7	137
10	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
11	(In)stability of $D$ -dimensional black holes in Gauss-Bonnet theory. <i>Physical Review D</i> , 2008, 77, .	4.7	86
12	Instability of Higher-Dimensional Charged Black Holes in the de Sitter World. <i>Physical Review Letters</i> , 2009, 103, 161101.	7.8	86
13	Black holes in the four-dimensional Einstein-Lovelock gravity. <i>Physical Review D</i> , 2020, 101, .	4.7	79
14	Stability of multidimensional black holes: Complete numerical analysis. <i>Nuclear Physics B</i> , 2007, 777, 182-202.	2.5	74
15	On the stability of scalar-vacuum space-times. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	71
16	Analytical representation for metrics of scalarized Einstein-Maxwell black holes and their shadows. <i>Physical Review D</i> , 2019, 100, .	4.7	70
17	Stability of higher dimensional Reissner-Nordström-anti-de Sitter black holes. <i>Physical Review D</i> , 2008, 78, .	4.7	68
18	Holographic conductivity of zero temperature superconductors. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 686, 199-206.	4.1	62

#	ARTICLE	IF	CITATIONS
19	Passage of radiation through wormholes of arbitrary shape. Physical Review D, 2010, 81, .	4.7	62
20	(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. Physics of the Dark Universe, 2020, 30, 100697.	4.9	60
21	Massive charged scalar field in the Kerr-Newman background: Quasinormal modes, late-time tails and stability. Physical Review D, 2013, 88, .	4.7	59
22	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
23	Gravitational instability of simply rotating AdS black holes in higher dimensions. Physical Review D, 2009, 79, .	4.7	58
24	Non-Schwarzschild black-hole metric in four dimensional higher derivative gravity: Analytical approximation. Physical Review D, 2017, 96, .	4.7	57
25	Echoes of compact objects: New physics near the surface and matter at a distance. Physical Review D, 2019, 99, .	4.7	55
26	Evolution of perturbations of squashed Kaluza-Klein black holes: Escape from instability. Physical Review D, 2008, 77, .	4.7	51
27	The portrait of eikonal instability in Lovelock theories. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 050-050.	5.4	51
28	Einstein-scalar-Gauss-Bonnet black holes: Analytical approximation for the metric and applications to calculations of shadows. Physical Review D, 2020, 101, .	4.7	49
29	High overtones of Schwarzschild-de-Sitter quasinormal spectrum. Journal of High Energy Physics, 2004, 2004, 037-037.	4.7	48
30	Quasinormal modes and a new instability of Einstein-Gauss-Bonnet black holes in the de Sitter world. Physical Review D, 2016, 93, .	4.7	48
31	Charged scalar field instability between the event and cosmological horizons. Physical Review D, 2014, 90, .	4.7	47
32	Massive scalar field quasinormal modes of higher dimensional black holes. Physical Review D, 2006, 74, .	4.7	46
33	Traversable Wormholes in General Relativity. Physical Review Letters, 2022, 128, 091104.	7.8	45
34	Decay of a charged scalar and Dirac fields in the Kerr-Newman-de Sitter background. Physical Review D, 2007, 76, .	4.7	41
35	Late time tails of the massive vector field in a black hole background. Physical Review D, 2007, 75, .	4.7	40
36	Eikonal instability of Gauss-Bonnet-(anti)-de Sitter black holes. Physical Review D, 2017, 95, .	4.7	40

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37	Quasinormal modes of brane-localized standard model fields. II. Kerr black holes. Physical Review D, 2006, 74, .	4.7	39
38	Long life of Gauss-Bonnet corrected black holes. Physical Review D, 2010, 82, .	4.7	38
39	Quasinormal modes of Gauss-Bonnet-AdS black holes: towards holographic description of finite coupling. Journal of High Energy Physics, 2017, 2017, 1.	4.7	38
40	Axisymmetric black holes allowing for separation of variables in the Klein-Gordon and Hamilton-Jacobi equations. Physical Review D, 2018, 97, .	4.7	37
41	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
42	Arbitrarily long-lived quasinormal modes in a wormhole background. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135207.	4.1	36
43	Quasinormal modes, scattering, and Hawking radiation of Kerr-Newman black holes in a magnetic field. Physical Review D, 2011, 83, .	4.7	34
44	Looking at the Gregory-Laflamme instability through quasinormal modes. Physical Review D, 2008, 78, .	4.7	33
45	No stable wormholes in Einstein-dilaton-Gauss-Bonnet theory. Physical Review D, 2018, 98, .	4.7	33
46	Shadows of parametrized axially symmetric black holes allowing for separation of variables. Physical Review D, 2021, 103, .	4.7	33
47	Gravitational stability of simply rotating Myers-Perry black holes: Tensorial perturbations. Physical Review D, 2010, 81, .	4.7	32
48	Analytical approximation for the Einstein-dilaton-Gauss-Bonnet black hole metric. Physical Review D, 2017, 96, .	4.7	32
49	General parametrization of black holes: The only parameters that matter. Physical Review D, 2020, 101, .	4.7	32
50	Wormholes without exotic matter: quasinormal modes, echoes and shadows. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 010.	5.4	32
51	High overtones of Dirac perturbations of a Schwarzschild black hole. Physical Review D, 2005, 71, .	4.7	31
52	Stable Schwarzschild stars as black-hole mimickers. Physical Review D, 2019, 100, .	4.7	28
53	Instability of $D$ -dimensional extremally charged Reissner-Nordström (-de Sitter) black holes: Extrapolation to arbitrary $D$ . Physical Review D, 2014, 89, .	4.7	27
54	Solutions of the Einstein Equations for a Black Hole Surrounded by a Galactic Halo. Astrophysical Journal, 2022, 933, 166.	4.5	27

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55	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
56	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
57	BTZ black holes with higher curvature corrections in the 3D Einstein-Lovelock gravity. <i>Physical Review D</i> , 2020, 102, .	4.7	22
58	Quasi-normal modes of the scalar hairy black hole. <i>Classical and Quantum Gravity</i> , 2006, 23, 3155-3164.	4.0	21
59	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
60	Superradiance and instability of the charged Myers-Perry black holes in the Gödel universe. <i>Physical Review D</i> , 2011, 84, .	4.7	18
61	Quasinormal modes of brane-localized standard model fields in Gauss-Bonnet theory. <i>Physical Review D</i> , 2008, 78, .	4.7	17
62	Bifurcation of the quasinormal spectrum and zero damped modes for rotating dilatonic black holes. <i>Physical Review D</i> , 2015, 92, .	4.7	17
63	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
64	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
65	Radiation processes in the vicinity of non-Schwarzschild and non-Kerr black holes. <i>Physical Review D</i> , 2013, 87, .	4.7	13
66	Perturbations of Schwarzschild black holes in laboratories. <i>Classical and Quantum Gravity</i> , 2007, 24, 5901-5909.	4.0	8
67	AdS-like spectrum of the asymptotically Gödel space-times. <i>Physical Review D</i> , 2011, 84, .	4.7	8
68	Quasinormal ringing of general spherically symmetric parametrized black holes. <i>Physical Review D</i> , 2022, 105, .	4.7	8
69	Massive charged scalar field in the Kerr-Newman background: Hawking radiation. <i>Physical Review D</i> , 2014, 89, .	4.7	7
70	Stability of tardyons and tachyons in the rotating and expanding Universe. <i>Physical Review D</i> , 2012, 86, .	4.7	6
71	Simply rotating higher dimensional black holes in Einstein-Gauss-Bonnet theory. <i>Physical Review D</i> , 2020, 102, .	4.7	6
72	Can the abyss swallow gravitational waves or why do we not observe echoes?. <i>Europhysics Letters</i> , 2022, 138, 49001.	2.0	5

#	ARTICLE	IF	CITATIONS
73	Massive particles in the Einstein–Lovelock anti-de Sitter black hole spacetime. <i>Classical and Quantum Gravity</i> , 2021, 38, 045015.	4.0	3
74	Holographic Picture Of Quantum Matter: From Black Holes To Quark-gluon Plasma. , 2017, , .		0