

Dimitry Ayzenberg

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7294825/publications.pdf>

Version: 2024-02-01

53
papers

1,318
citations

361413

20
h-index

361022

35
g-index

54
all docs

54
docs citations

54
times ranked

585
citing authors

#	ARTICLE	IF	CITATIONS
1	Testing the Kerr black hole hypothesis with the continuum-fitting and the iron line methods: the case of GRSÅ1915+105. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 019.	5.4	11
2	Testing the Kerr Black Hole Hypothesis with GRS 1716-249 by Combining the Continuum Fitting and the Iron-line Methods. Astrophysical Journal, 2022, 924, 72.	4.5	13
3	Reflection Spectra of Accretion Disks Illuminated by Disk-like Coronae. Astrophysical Journal, 2022, 925, 51.	4.5	6
4	Testing gravity with black hole shadow subrings. Classical and Quantum Gravity, 2022, 39, 105009.	4.0	11
5	Shining X-rays on asymptotically safe quantum gravity. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 047-047.	5.4	17
6	Probing the near-horizon region of Cygnus X-1 with $S_{\text{u}}z_a b_s$ and $S_{\text{N}}u_S T A$ Physical Review D, 2021, 103, .	4.7	9
7	Impact of the Returning Radiation on the Analysis of the Reflection Spectra of Black Holes. Astrophysical Journal, 2021, 910, 49.	4.5	18
8	Testing General Relativity with NuSTAR Data of Galactic Black Holes. Astrophysical Journal, 2021, 913, 79.	4.5	28
9	Implementation of a radial disk ionization profile in the relxill_nk model. Physical Review D, 2021, 103, .	4.7	15
10	Impact of the Disk Thickness on X-Ray Reflection Spectroscopy Measurements. Astrophysical Journal, 2021, 913, 129.	4.5	11
11	Constraints on Einstein-Maxwell dilaton-axion gravity from X-ray reflection spectroscopy. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 002.	5.4	16
12	Constraining the Konoplya-Rezzolla-Zhidenko deformation parameters: Limits from supermassive black hole x-ray data. Physical Review D, 2021, 104, .	4.7	9
13	Testing the weak-equivalence principle near black holes. Physical Review D, 2021, 104, .	4.7	7
14	Testing the Kerr Black Hole Hypothesis with GX 339â€“4 by a Combined Analysis of Its Thermal Spectrum and Reflection Features. Astrophysical Journal, 2021, 907, 31.	4.5	29
15	Constraining the Konoplya-Rezzolla-Zhidenko deformation parameters. II. Limits from stellar-mass black hole x-ray data. Physical Review D, 2021, 104, .	4.7	6
16	A Reflection Model with a Radial Disk Density Profile. Astrophysical Journal, 2021, 923, 175.	4.5	6
17	Reflection spectra of thick accretion discs. Monthly Notices of the Royal Astronomical Society, 2020, 491, 417-426.	4.4	28
18	X-ray reflection spectroscopy with Kaluzaâ€“Klein black holes. European Physical Journal C, 2020, 80, 1.	3.9	18

#	ARTICLE	IF	CITATIONS
19	Modeling uncertainties in X-ray reflection spectroscopy measurements I: Impact of higher order disk images. <i>Physical Review D</i> , 2020, 101, .	4.7	14
20	Testing the Keplerian disk hypothesis using x-ray reflection spectroscopy. <i>Physical Review D</i> , 2020, 102, .	4.7	6
21	Testing the Kerr metric using X-ray reflection spectroscopy: spectral analysis of GX 339â€“4. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 026-026.	5.4	8
22	Thermal spectra of thin accretion discs of finite thickness around Kerr black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 497-503.	4.4	9
23	Testing General Relativity with the Stellar-mass Black Hole in LMC X-1 Using the Continuum-fitting Method. <i>Astrophysical Journal</i> , 2020, 897, 84.	4.5	22
24	Search for traversable wormholes in active galactic nuclei using x-ray data. <i>Physical Review D</i> , 2020, 101, .	4.7	12
25	Testing general relativity with x-ray reflection spectroscopy: The Konoplya-Rezzolla-Zhidenko parametrization. <i>Physical Review D</i> , 2020, 102, .	4.7	16
26	Relativistic reflection spectra of super-spinning black holes. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	7
27	Modeling Bias in Supermassive Black Hole Spin Measurements. <i>Astrophysical Journal</i> , 2020, 895, 61.	4.5	22
28	Reflection Features in the X-Ray Spectrum of Fairall 9 and Implications for Tests of General Relativity. <i>Astrophysical Journal</i> , 2020, 896, 160.	4.5	5
29	Testing the Kerr Black Hole Hypothesis Using X-Ray Reflection Spectroscopy and a Thin Disk Model with Finite Thickness. <i>Astrophysical Journal</i> , 2020, 899, 80.	4.5	40
30	Testing the Kerr Metric with X-Ray Reflection Spectroscopy of Mrk 335 Suzaku Data. <i>Astrophysical Journal</i> , 2019, 879, 80.	4.5	9
31	Testing General Relativity with Supermassive Black Holes Using X-Ray Reflection Spectroscopy. <i>Proceedings (mdpi)</i> , 2019, 17, 2.	0.2	7
32	Public Release of RELXILL_NK: A Relativistic Reflection Model for Testing Einsteinâ€™s Gravity. <i>Astrophysical Journal</i> , 2019, 878, 91.	4.5	54
33	Black hole mimicker hiding in the shadow: Optical properties of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle^3 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ metric. <i>Physical Review D</i> , 2019, 100, .	4.7	98
34	Tests of the Kerr Hypothesis with GRS 1915+105 Using Different relxill Flavors. <i>Astrophysical Journal</i> , 2019, 884, 147.	4.5	40
35	RELXILL_NK: A Black Hole Relativistic Reflection Model for Testing General Relativity. <i>Proceedings (mdpi)</i> , 2019, 17, 7.	0.2	2
36	Observing the shadows of stellar-mass black holes with binary companions. <i>Classical and Quantum Gravity</i> , 2019, 36, 055007.	4.0	16

#	ARTICLE	IF	CITATIONS
37	Testing the Kerr hypothesis using x-ray reflection spectroscopy with <i>NuSTAR</i> data of Cygnus X-1 in the soft state. <i>Physical Review D</i> , 2019, 99, .	4.7	20
38	XSPEC model for testing the Kerr black hole hypothesis using the continuum-fitting method. <i>Physical Review D</i> , 2019, 99, .	4.7	18
39	Toward Precision Tests of General Relativity with Black Hole X-Ray Reflection Spectroscopy. <i>Astrophysical Journal</i> , 2019, 875, 56.	4.5	56
40	Singularity-free black holes in conformal gravity: New observational constraints. <i>Europhysics Letters</i> , 2019, 125, 30002.	2.0	13
41	About the Kerr Nature of the Stellar-mass Black Hole in GRS 1915+105. <i>Astrophysical Journal</i> , 2019, 875, 41.	4.5	24
42	Constraints on the Spacetime Metric around Seven α -AGNs Using X-Ray Reflection Spectroscopy. <i>Astrophysical Journal</i> , 2019, 874, 135.	4.5	40
43	Constraining the Johannsen deformation parameter μ with black hole x-ray data. <i>Physical Review D</i> , 2019, 99, .	4.7	15
44	A Study of the Strong Gravity Region of the Black Hole in GS 1354+645. <i>Astrophysical Journal</i> , 2018, 865, 134.	4.5	38
45	relxill_nk: A Relativistic Reflection Model for Testing Einstein's Gravity. <i>Universe</i> , 2018, 4, 79.	2.5	15
46	Black hole shadow as a test of general relativity: quadratic gravity. <i>Classical and Quantum Gravity</i> , 2018, 35, 235002.	4.0	56
47	Testing conformal gravity with the supermassive black hole in 1H0707-495. <i>Physical Review D</i> , 2018, 98, .	4.7	44
48	Testing the Kerr nature of the supermassive black hole in Ark 564. <i>Physical Review D</i> , 2018, 98, .	4.7	30
49	Iron line spectroscopy of black holes in vector-tensor Galileon modified gravity. <i>Physical Review D</i> , 2018, 98, .	4.7	5
50	Black hole continuum spectra as a test of general relativity: quadratic gravity. <i>Classical and Quantum Gravity</i> , 2017, 34, 115003.	4.0	19
51	Can the slow-rotation approximation be used in electromagnetic observations of black holes?. <i>Classical and Quantum Gravity</i> , 2016, 33, 105006.	4.0	16
52	Slowly rotating black holes in Einstein-Dilaton-Gauss-Bonnet gravity: Quadratic order in spin solutions. <i>Physical Review D</i> , 2014, 90, .	4.7	152
53	Linear stability analysis of dynamical quadratic gravity. <i>Physical Review D</i> , 2014, 89, .	4.7	34