Cosimo Bambi

List of Publications by Year
in descending order

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222	7,658	50276	74163
papers	citations	46 h-index	75 g-index

230	230	230	2373
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Testing General Relativity with black hole X-ray data: a progress report. Arabian Journal of Mathematics, 2022, 11, 81-90.	0.9	11
2	Testing the Kerr black hole hypothesis with the continuum-fitting and the iron line methods: the case of GRSÂ1915+105. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 019.	5.4	11
3	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
4	Reflection Spectra of Accretion Disks Illuminated by Disk-like Coronae. Astrophysical Journal, 2022, 925, 51.	4.5	6
5	The spins of the Galactic black holes in MAXIÂJ1535â€“571 and 4UÂ1630â€“472 from Insight-HXMT. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2082-2092.	4.4	11
6	Rapidly alternating flux states of GXÂ339â€“4 during its 2021 outburst captured by Insightâ€“HXMT. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4308-4317.	4.4	9
7	Constraining the Konoplya-Rezzolla-Zhidenko deformation parameters III: Limits from stellar-mass black holes using gravitational-wave observations. Physical Review D, 2022, 105, .	4.7	12
8	Black hole spin measurements based on a thin disc model with finite thickness â€“ I. An example study of MCGâˆ’06-30-15. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3246-3259.	4.4	3
9	The Disk Wind in GRS 1915+105 as Seen by Insightâ€“Hard X-Ray Modulation Telescope. Astrophysical Journal, 2022, 933, 122.	4.5	4
10	Shining X-rays on asymptotically safe quantum gravity. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 047-047.	5.4	17
11	Quasi-periodic oscillations in the long-term radio light curves of the blazar AO 0235+164. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5997-6006.	4.4	19
12	Probing the near-horizon region of Cygnus X-1 with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>S</mml:mi><mml:mi>u</mml:mi><mml:mi>z</mml:mi><mml:mi>a</mml:mi><mml:mi>k</mml:mi><mml:mi> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mi>u</mml:mi><mml:mi>S</mml:mi><mml:mi>T</mml:mi><mml:mi>A</mml:mi><mml:mi> Physical Review D, 2021, 103, .	4.7	5
13	Testing Evolution of LFQPOs with Mass Accretion Rate in GRS 1915+105 with Insight-HXMT. Astrophysical Journal, 2021, 909, 63.	4.5	9
14	Dynamics of charged particles and magnetic dipoles around magnetized quasi-Schwarzschild black holes. European Physical Journal C, 2021, 81, 1.	3.9	18
15	Impact of the Returning Radiation on the Analysis of the Reflection Spectra of Black Holes. Astrophysical Journal, 2021, 910, 49.	4.5	18
16	Testing General Relativity with NuSTAR Data of Galactic Black Holes. Astrophysical Journal, 2021, 913, 79.	4.5	28
17	The high energy Universe at ultra-high resolution: the power and promise of X-ray interferometry. Experimental Astronomy, 2021, 51, 1081-1107.	3.7	14
18	Implementation of a radial disk ionization profile in the relxill_nk model. Physical Review D, 2021, 103, .	4.7	15

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19	Astrophysical Wormholes. Universe, 2021, 7, 136.	2.5	52
20	Charged particle motion around a magnetized Reissner-NordstrÃ¶m black hole. Physical Review D, 2021, 103, .	4.7	27
21	Impact of the Disk Thickness on X-Ray Reflection Spectroscopy Measurements. Astrophysical Journal, 2021, 913, 129.	4.5	11
22	Towards Precision Measurements of Accreting Black Holes Using X-Ray Reflection Spectroscopy. Space Science Reviews, 2021, 217, 1.	8.1	59
23	Constraints on Einstein-Maxwell dilaton-axion gravity from X-ray reflection spectroscopy. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 002.	5.4	16
24	A systematic study of photoionized emission and warm absorption signatures of the NLS1 Mrk 335. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5190-5200.	4.4	3
25	Constraining the Konoplya-Rezzolla-Zhidenko deformation parameters: Limits from supermassive black hole x-ray data. Physical Review D, 2021, 104, .	4.7	9
26	Testing the weak-equivalence principle near black holes. Physical Review D, 2021, 104, .	4.7	7
27	Motion of particles and gravitational lensing around the (2+1)-dimensional BTZ black hole in Gaussâ€“Bonnet gravity. European Physical Journal C, 2021, 81, 1.	3.9	20
28	Particle motion around a static axially symmetric wormhole. Physical Review D, 2021, 104, .	4.7	15
29	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
30	Dynamics and fundamental frequencies of test particles orbiting Kerrâ€“Newmanâ€“NUTâ€“Kiselev black hole in Rastall gravity. European Physical Journal Plus, 2021, 136, 1.	2.6	17
31	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
32	Testing General Relativity with Black Hole X-Ray Data. Astronomy Reports, 2021, 65, 902-905.	0.9	0
33	A Reflection Model with a Radial Disk Density Profile. Astrophysical Journal, 2021, 923, 175.	4.5	6
34	Reflection spectra of thick accretion discs. Monthly Notices of the Royal Astronomical Society, 2020, 491, 417-426.	4.4	28
35	A toy model for a baby universe inside a black hole. European Physical Journal C, 2020, 80, 1.	3.9	15
36	Can the dynamics of test particles around charged stringy black holes mimic the spin of Kerr black holes?. Physical Review D, 2020, 102, .	4.7	37

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37	Impact of the reflection model on the estimate of the properties of accreting black holes. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3565-3577.	4.4	12
38	On the properties of a deformed extension of the NUT space-time. European Physical Journal C, 2020, 80, 1.	3.9	16
39	X-ray reflection spectroscopy with Kaluzaâ€“Klein black holes. European Physical Journal C, 2020, 80, 1.	3.9	18
40	Modeling uncertainties in X-ray reflection spectroscopy measurements I: Impact of higher order disk images. Physical Review D, 2020, 101, .	4.7	14
41	Testing the Keplerian disk hypothesis using x-ray reflection spectroscopy. Physical Review D, 2020, 102, .	4.7	6
42	Dynamics of test particles around a Bardeen black hole surrounded by perfect fluid dark matter. Physical Review D, 2020, 102, .	4.7	47
43	Testing the Kerr metric using X-ray reflection spectroscopy: spectral analysis of GX 339â€“4. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 026-026.	5.4	8
44	Quasiharmonic oscillations of charged particles in static axially symmetric space-times immersed in a uniform magnetic field. Physical Review D, 2020, 101, .	4.7	5
45	Modeling uncertainties in x-ray reflection spectroscopy measurements. II. Impact of the radiation from the plunging region. Physical Review D, 2020, 101, .	4.7	15
46	Thermal spectra of thin accretion discs of finite thickness around Kerr black holes. Monthly Notices of the Royal Astronomical Society, 2020, 496, 497-503.	4.4	9
47	Testing General Relativity with the Stellar-mass Black Hole in LMC X-1 Using the Continuum-fitting Method. Astrophysical Journal, 2020, 897, 84.	4.5	22
48	Concerns regarding the use of black hole shadows as standard rulers. Classical and Quantum Gravity, 2020, 37, 087001.	4.0	91
49	Rotating regular black holes in conformal massive gravity. Physical Review D, 2020, 101, .	4.7	55
50	Rotating and nonlinear magnetic-charged black hole surrounded by quintessence. Physical Review D, 2020, 101, .	4.7	22
51	Search for traversable wormholes in active galactic nuclei using x-ray data. Physical Review D, 2020, 101, .	4.7	12
52	Accreting Black Holes. , 2020, , 15-54.		6
53	Testing general relativity with x-ray reflection spectroscopy: The Konoplya-Rezzolla-Zhidenko parametrization. Physical Review D, 2020, 102, .	4.7	16
54	Charged particle motion around non-singular black holes in conformal gravity in the presence of external magnetic field. European Physical Journal C, 2020, 80, 1.	3.9	19

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55	Relativistic reflection spectra of super-spinning black holes. European Physical Journal C, 2020, 80, 1.	3.9	7
56	Astrophysical Black Holes: A Review. , 2020, , .		7
57	Modeling Bias in Supermassive Black Hole Spin Measurements. Astrophysical Journal, 2020, 895, 61.	4.5	22
58	Reflection Features in the X-Ray Spectrum of Fairall 9 and Implications for Tests of General Relativity. Astrophysical Journal, 2020, 896, 160.	4.5	5
59	Testing the Kerr Black Hole Hypothesis Using X-Ray Reflection Spectroscopy and a Thin Disk Model with Finite Thickness. Astrophysical Journal, 2020, 899, 80.	4.5	40
60	An x-ray interferometry concept for ESA's Voyage 2050 programme. , 2020, , .		1
61	Testing the Kerr Metric with X-Ray Reflection Spectroscopy of Mrk 335 Suzaku Data. Astrophysical Journal, 2019, 879, 80.	4.5	9
62	Testing General Relativity with Supermassive Black Holes Using X-Ray Reflection Spectroscopy. Proceedings (mdpi), 2019, 17, 2.	0.2	7
63	Public Release of RELXILL_NK: A Relativistic Reflection Model for Testing Einsteinâ€™s Gravity. Astrophysical Journal, 2019, 878, 91.	4.5	54
64	Black hole mimicker hiding in the shadow: Optical properties of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math> metric. Physical Review D, 2019, 100, .	4.7	98
65	Tests of the Kerr Hypothesis with GRS 1915+105 Using Different relxill Flavors. Astrophysical Journal, 2019, 884, 147.	4.5	40
66	RELXILL_NK: A Black Hole Relativistic Reflection Model for Testing General Relativity. Proceedings (mdpi), 2019, 17, 7.	0.2	2
67	Testing the rotational nature of the supermassive object M87* from the circularity and size of its first image. Physical Review D, 2019, 100, .	4.7	253
68	Testing the Kerr hypothesis using x-ray reflection spectroscopy with NuSTAR data of Cygnus X-1 in the soft state. Physical Review D, 2019, 99, .	4.7	20
69	Charged particle motion around a quasi-Kerr compact object immersed in an external magnetic field. Physical Review D, 2019, 99, .	4.7	30
70	XSPEC model for testing the Kerr black hole hypothesis using the continuum-fitting method. Physical Review D, 2019, 99, .	4.7	18
71	Toward Precision Tests of General Relativity with Black Hole X-Ray Reflection Spectroscopy. Astrophysical Journal, 2019, 875, 56.	4.5	56
72	Scalar perturbations and quasi-normal modes of a nonlinear magnetic-charged black hole surrounded by quintessence. European Physical Journal C, 2019, 79, 1.	3.9	20

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73	Singularity-free black holes in conformal gravity: New observational constraints. Europhysics Letters, 2019, 125, 30002.	2.0	13
74	About the Kerr Nature of the Stellar-mass Black Hole in GRS 1915+105. Astrophysical Journal, 2019, 875, 41.	4.5	24
75	Constraints on the Spacetime Metric around Seven â€œBareâ€•AGNs Using X-Ray Reflection Spectroscopy. Astrophysical Journal, 2019, 874, 135.	4.5	40
76	Constraining the Johannsen deformation parameter <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Îµ</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> with black hole x-ray data. Physical Review D, 2019, 99, .	4.7	15
77	Charged particle motion and electromagnetic field in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î³</mml:mi></mml:mrow></mml:math> spacetime. Physical Review D, 2019, 99, .	4.7	49
78	Gravitational lensing by a magnetized compact object in the presence of plasma. International Journal of Modern Physics D, 2019, 28, 2040013.	2.1	34
79	Accretion in strong field gravity with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	27
80	Unattainable extended spacetime regions in conformal gravity. Journal of High Energy Physics, 2018, 2018, 1.	4.7	22
81	Testing General Relativity with the Reflection Spectrum of the Supermassive Black Hole in 1H0707-495. Physical Review Letters, 2018, 120, 051101.	7.8	68
82	The Evolution of GX 339-4 in the Low-hard State as Seen by NuSTAR and Swift. Astrophysical Journal, 2018, 855, 61.	4.5	52
83	Iron line spectroscopy of black holes in asymptotically safe gravity. European Physical Journal C, 2018, 78, 1.	3.9	10
84	Multi-epoch analysis of the X-ray spectrum of the active galactic nucleus in NGC 5506. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1900-1910.	4.4	16
85	A Study of the Strong Gravity Region of the Black Hole in GS 1354â€“645. Astrophysical Journal, 2018, 865, 134.	4.5	38
86	relxill_nk: A Relativistic Reflection Model for Testing Einsteinâ€™s Gravity. Universe, 2018, 4, 79.	2.5	15
87	Possible ~1 hour quasi-periodic oscillation in narrow-line Seyfert 1 galaxy MCGâ€“06â€“30â€“15. Astronomy and Astrophysics, 2018, 616, L6.	5.1	32
88	Distinguishing black holes and naked singularities with iron line spectroscopy. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 044-044.	5.4	19
89	Gravitational lensing for a boosted Kerr black hole in the presence of plasma. European Physical Journal C, 2018, 78, 1.	3.9	31
90	Astrophysical Black Holes: A Compact Pedagogical Review. Annalen Der Physik, 2018, 530, 1700430.	2.4	73

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91	Testing conformal gravity with the supermassive black hole in 1H0707-495. Physical Review D, 2018, 98, .	4.7	44
92	Science with e-ASTROGAM. Journal of High Energy Astrophysics, 2018, 19, 1-106.	6.7	177
93	Testing the Kerr nature of the supermassive black hole in Ark 564. Physical Review D, 2018, 98, .	4.7	30
94	A general study of regular and singular black hole solutions in Einsteinâ€™s conformal gravity. European Physical Journal C, 2018, 78, 1.	3.9	10
95	Weak gravitational lensing: A compact object with arbitrary quadrupole moment immersed in plasma. Physical Review D, 2018, 98, .	4.7	17
96	Formation and evaporation of an electrically charged black hole in conformal gravity. European Physical Journal C, 2018, 78, 1.	3.9	20
97	Iron line spectroscopy of black holes in vector-tensor Galileon modified gravity. Physical Review D, 2018, 98, .	4.7	5
98	Electromagnetic fields of slowly rotating magnetized compact stars in conformal gravity. Physical Review D, 2018, 97, .	4.7	30
99	Iron line spectroscopy with Einsteinâ€“dilatonâ€“Gaussâ€“Bonnet black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 626-632.	4.1	23
100	Introduction to General Relativity. Undergraduate Lecture Notes in Physics, 2018, , .	0.1	11
101	Cosmological Models. Undergraduate Lecture Notes in Physics, 2018, , 205-221.	0.1	0
102	Leeâ€“Wick black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 306-309.	4.1	18
103	Testing conformal gravity with astrophysical black holes. Physical Review D, 2017, 95, .	4.7	32
104	Spacetime completeness of non-singular black holes in conformal gravity. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 003-003.	5.4	68
105	Testing the Kerr Black Hole Hypothesis Using X-Ray Reflection Spectroscopy. Astrophysical Journal, 2017, 842, 76.	4.5	107
106	Black Holes: A Laboratory for Testing Strong Gravity. , 2017, , .		100
107	Scalar perturbations of nonsingular nonrotating black holes in conformal gravity. Physical Review D, 2017, 96, .	4.7	39
108	Black hole evaporation in conformal gravity. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 033-033.	5.4	35

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109	Iron KÎ± line of Proca stars. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 014-014.	5.4	11
110	Energy conditions of non-singular black hole spacetimes in conformal gravity. European Physical Journal C, 2017, 77, 1.	3.9	28
111	Iron <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">K</mml:mi><mml:mi>Î±</mml:mi></mml:mrow></mml:math> line of Kerr black holes with Proca hair. Physical Review D, 2017, 95, .	4.7	9
112	Testing Einstein-dilaton-Gauss-Bonnet gravity with the reflection spectrum of accreting black holes. Physical Review D, 2017, 95, .	4.7	26
113	Testing black hole candidates with electromagnetic radiation. Reviews of Modern Physics, 2017, 89, .	45.6	194
114	Observational properties of rigidly rotating dust configurations. European Physical Journal C, 2017, 77, 1.	3.9	5
115	Testing the Performance and Accuracy of the relxill Model for the Relativistic X-Ray Reflection from Accretion Disks. Astrophysical Journal, 2017, 851, 57.	4.5	19
116	Testing the Kerr black hole hypothesis with RELXILL_NK. Journal of Physics: Conference Series, 2017, 942, 012004.	0.4	1
117	Imaging Black Holes. , 2017, , 193-205.		2
118	Testing the Kerr paradigm with the black hole shadow. , 2017, , .		3
119	Quasi-periodic Oscillations. , 2017, , 181-192.		0
120	Thin Accretion Disks. , 2017, , 113-136.		0
121	Testing the Kerr Paradigm with X-Ray Observations. , 2017, , 261-285.		0
122	X-Ray Reflection Spectroscopy. , 2017, , 153-179.		0
123	Tests with Other Approaches. , 2017, , 287-303.		0
124	Non-Kerr Spacetimes. , 2017, , 241-259.		1
125	Testing the Kerr paradigm with X-ray observations. , 2017, , .		0
126	Constraining the Kerr parameters via x-ray reflection spectroscopy. Physical Review D, 2016, 94, .	4.7	10

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127	Quasi-periodic oscillations as a tool for testing the Kerr metric: A comparison with gravitational waves and iron line. Europhysics Letters, 2016, 116, 30006.	2.0	26
128	X-ray spectropolarimetric signature of a warped disk around a stellar-mass black hole. Classical and Quantum Gravity, 2016, 33, 125015.	4.0	7
129	A study for testing the Kerr metric with AGN iron line eclipses. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 054-054.	5.4	2
130	Testing the Kerr metric with the iron line and the KRZ parametrization. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 014-014.	5.4	36
131	Black hole solutions in functional extensions of Born-Infeld gravity. Physical Review D, 2016, 94, .	4.7	15
132	Iron KÎ± line of boson stars. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 003-003.	5.4	33
133	Blandfordâ€“Znajek mechanism in black holes in alternative theories of gravity. European Physical Journal C, 2016, 76, 1.	3.9	20
134	Iron KÎ± line of Kerr black holes with scalar hair. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 049-049.	5.4	69
135	Search for astrophysical rotating Ellis wormholes with x-ray reflection spectroscopy. Physical Review D, 2016, 94, .	4.7	75
136	Wormholes and nonsingular spacetimes in Palatini<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 372 Td (stretchy="false">)</mml:m	4.7	110
137	Testing the Kerr nature of black hole candidates using iron line reverberation mapping in the Cardoso-Pani-Rico framework. Physical Review D, 2016, 93, .	4.7	19
138	Testing the Kerr black hole hypothesis: Comparison between the gravitational wave and the iron line approaches. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 254-258.	4.1	21
139	Note on a new parametrization for testing the Kerr metric. European Physical Journal C, 2016, 76, 1.	3.9	24
140	Black supernovae and black holes in non-local gravity. Journal of High Energy Physics, 2016, 2016, 1-21.	4.7	26
141	Testing the no-hair theorem with the continuum-fitting and the iron line methods: a short review. Classical and Quantum Gravity, 2016, 33, 064001.	4.0	83
142	Introduction to Particle Cosmology. UNITEXT for Physics, 2016, , .	0.5	11
143	High energy collision of two particles in wormhole spacetimes. Physical Review D, 2015, 91, .	4.7	30
144	Melvin universe in Born-Infeld gravity. Physical Review D, 2015, 91, .	4.7	13

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145	Collisional Penrose process in a rotating wormhole spacetime. Physical Review D, 2015, 91, .	4.7	16
146	Modified gravity in three dimensional metric-affine scenarios. Physical Review D, 2015, 92, .	4.7	1
147	X-ray spectropolarimetric measurements of the Kerr metric. European Physical Journal C, 2015, 75, 1.	3.9	15
148	TESTING THE KERR NATURE OF BLACK HOLE CANDIDATES USING IRON LINE SPECTRA IN THE CPR FRAMEWORK. Astrophysical Journal, 2015, 811, 130.	4.5	41
149	Testing SgrA* with the spectrum of its accretion structure. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 038-038.	5.4	4
150	Shadows of CPR black holes and tests of the Kerr metric. European Physical Journal C, 2015, 75, 1.	3.9	51
151	Scattering of particles by deformed non-rotating black holes. European Physical Journal C, 2015, 75, 1.	3.9	6
152	A parametrization to test black hole candidates with the spectrum of thin disks. European Physical Journal C, 2015, 75, 1.	3.9	25
153	Testing the nature of the black hole candidate in GRO J1655-40 with the relativistic precession model. European Physical Journal C, 2015, 75, 1.	3.9	36
154	Constraining the Cardosoâ€“Paniâ€“Rico metric with future observations of SgrA*. Classical and Quantum Gravity, 2015, 32, 065005.	4.0	12
155	Attempt to explain black hole spin in X-ray binaries by new physics. European Physical Journal C, 2015, 75, 1.	3.9	4
156	Can static regular black holes form from gravitational collapse?. European Physical Journal C, 2015, 75, 1.	3.9	37
157	Gravitational blueshift from a collapsing object. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 82-86.	4.1	4
158	Using iron line reverberation and spectroscopy to distinguish Kerr and non-Kerr black holes. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 025-025.	5.4	55
159	Testing a class of non-Kerr metrics with hot spots orbiting SgrA*. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 020-020.	5.4	15
160	Fermi-bounce cosmology and scale-invariant power spectrum. Physical Review D, 2014, 90, .	4.7	23
161	Constraining the spin and the deformation parameters from the black hole shadow. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 043-043.	5.4	109
162	TESTING THE NATURE OF THE SUPERMASSIVE BLACK HOLE CANDIDATE IN SgrA* WITH LIGHT CURVES AND IMAGES OF HOT SPOTS. Astrophysical Journal, 2014, 787, 152.	4.5	26

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163	Measuring the Kerr spin parameter of regular black holes from their shadow. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 041-041.	5.4	134
164	Constraining possible variations of the fine structure constant in strong gravitational fields with the KÎ± iron line. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 034-034.	5.4	9
165	Note on the Cardoso-Pani-Rico parametrization to test the Kerr black hole hypothesis. Physical Review D, 2014, 90, .	4.7	22
166	CONSTRAINTS ON THE SPACETIME GEOMETRY AROUND 10 STELLAR-MASS BLACK HOLE CANDIDATES FROM THE DISK'S THERMAL SPECTRUM. Astrophysical Journal, 2014, 797, 78.	4.5	101
167	Distinguishing black holes and wormholes with orbiting hot spots. Physical Review D, 2014, 90, .	4.7	66
168	Singularity avoidance in quantum-inspired inhomogeneous dust collapse. Physical Review D, 2014, 90, .	4.7	33
169	Testing the Bardeen metric with the black hole candidate in Cygnus X-1. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 59-62.	4.1	41
170	Terminating black holes in asymptotically free quantum gravity. European Physical Journal C, 2014, 74, 1.	3.9	78
171	Can we observationally test the weak cosmic censorship conjecture?. European Physical Journal C, 2014, 74, 1.	3.9	21
172	Relativistic astrophysics at GR20. General Relativity and Gravitation, 2014, 46, 1.	2.0	1
173	Note on the effect of a massive accretion disk in the measurements of black hole spins. Physical Review D, 2014, 89, .	4.7	51
174	Singularity avoidance in classical gravity from four-fermion interaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 734, 27-30.	4.1	22
175	Testing the Nature of Astrophysical Black Hole Candidates. Springer Proceedings in Physics, 2014, , 81-87.	0.2	0
176	Rotating regular black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 329-334.	4.1	318
177	Super-spinning compact objects generated by thick accretion disks. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 031-031.	5.4	26
178	Measuring the Kerr spin parameter of a non-Kerr compact object with the continuum-fitting and the iron line methods. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 055-055.	5.4	51
179	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">K</mml:mi><mml:mi>Î±</mml:mi></mml:math>iron line profile from accretion disks around regular and singular exotic compact objects. Physical Review D, 2013, 88, .	4.7	73
180	Testing the space-time geometry around black hole candidates with the analysis of the broad<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="bold">K</mml:mi><mml:mi>Î±</mml:mi></mml:math>iron line. Physical Review D, 2013, 87, .	4.7	117

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181	Broad<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="bold">K</mml:mi><mml:mi>Î±</mml:mi></mml:math>iron line from accretion disks around traversable wormholes. Physical Review D, 2013, 87, .	4.7	76
182	Testing the existence of regions of stable orbits at small radii around black hole candidates. Physical Review D, 2013, 87, .	4.7	24
183	Non-singular quantum-inspired gravitational collapse. Physical Review D, 2013, 88, .	4.7	99
184	Can the supermassive objects at the centers of galaxies be traversable wormholes? The first test of strong gravity for mm/sub-mm very long baseline interferometry facilities. Physical Review D, 2013, 87, .	4.7	164
185	Destroying the event horizon of regular black holes. Physical Review D, 2013, 87, .	4.7	68
186	Testing the space-time geometry around black hole candidates with the available radio and X-ray data. The Astronomical Review, 2013, 8, 4-39.	4.0	35
187	A Note on the Observational Evidence for the Existence of Event Horizons in Astrophysical Black Hole Candidates. Scientific World Journal, The, 2013, 2013, 1-4.	2.1	12
188	Probing the space-time geometry around black hole candidates with the resonance models for high-frequency QPOs and comparison with the continuum-fitting method. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 014-014.	5.4	85
189	Towards the use of the most massive black hole candidates in active galactic nuclei to test the Kerr paradigm. Physical Review D, 2012, 85, .	4.7	37
190	Testing the Kerr nature of stellar-mass black hole candidates by combining the continuum-fitting method and the power estimate of transient ballistic jets. Physical Review D, 2012, 85, .	4.7	69
191	Attempt to find a correlation between the spin of stellar-mass black hole candidates and the power of steady jets: Relaxing the Kerr black hole hypothesis. Physical Review D, 2012, 86, .	4.7	42
192	A CODE TO COMPUTE THE EMISSION OF THIN ACCRETION DISKS IN NON-KERR SPACETIMES AND TEST THE NATURE OF BLACK HOLE CANDIDATES. Astrophysical Journal, 2012, 761, 174.	4.5	126
193	Direct imaging rapidly-rotating non-Kerr black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 10-14.	4.1	52
194	CONSTRAINING THE QUADRUPOLE MOMENT OF STELLAR-MASS BLACK HOLE CANDIDATES WITH THE CONTINUUM FITTING METHOD. Astrophysical Journal, 2011, 731, 121.	4.5	165
195	Violation of the Carter-Israel conjecture and its astrophysical implications. Journal of Physics: Conference Series, 2011, 283, 012005.	0.4	3
196	Can we constrain the maximum value for the spin parameter of the super-massive objects in galactic nuclei without knowing their actual nature?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 5-8.	4.1	39
197	Can an astrophysical black hole have a topologically non-trivial event horizon?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 706, 13-18.	4.1	36
198	Evolution of the spin parameter of accreting compact objects with non-Kerr quadrupole moment. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 009-009.	5.4	32

#	Article	IF	Citations
199	Spinning super-massive objects in galactic nuclei up to a * > 1. Europhysics Letters, 2011, 94, 50002.	2.0	29
200	Constraint on the quadrupole moment of super-massive black hole candidates from the estimate of the mean radiative efficiency of AGN. Physical Review D, 2011, 83, .	4.7	43
201	Final stages of accretion onto non-Kerr compact objects. Physical Review D, 2011, 84, .	4.7	45
202	TESTING THE KERR BLACK HOLE HYPOTHESIS. Modern Physics Letters A, 2011, 26, 2453-2468.	1.2	92
203	Shape and position of the shadow in the Î´ = 2 Tomimatsuâ€“Sato spacetime. Classical and Quantum Gravity, 2010, 27, 205006.	4.0	141
204	Outflows from accreting super-spinars. Physical Review D, 2010, 81, .	4.7	25
205	Thick disk accretion in Kerr space-time with arbitrary spin parameters. Physical Review D, 2010, 82, .	4.7	12
206	Three-dimensional simulations of the accretion process in Kerr space-time with arbitrary value of the spin parameter. Physical Review D, 2010, 82, .	4.7	18
207	A Note on Black Hole Information Paradox in de Sitter Spacetimes. Communications in Theoretical Physics, 2009, 52, 78-80.	2.5	2
208	Black holes as antimatter factories. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 013-013.	5.4	47
209	Implications of primordial black holes on the first stars and the origin of the super-massive black holes. Monthly Notices of the Royal Astronomical Society, 2009, 399, 1347-1356.	4.4	9
210	Apparent shape of super-spinning black holes. Physical Review D, 2009, 79, .	4.7	267
211	Axion braneworld cosmology. Physical Review D, 2009, 80, .	4.7	1
212	Accretion process onto super-spinning objects. Physical Review D, 2009, 80, .	4.7	39
213	Primordial black holes and the observed Galactic 511 keV line. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 670, 174-178.	4.1	25
214	Constraints on temporal variation of fundamental constants from GRBs. Astroparticle Physics, 2008, 29, 223-227.	4.3	13
215	A revision of the generalized uncertainty principle. Classical and Quantum Gravity, 2008, 25, 105003.	4.0	24
216	Gravitational production of Kaluza-Klein states. Physical Review D, 2008, 78, .	4.7	2

#	Article	IF	Citations
217	GRAVITOMAGNETISM IN SUPERCONDUCTORS AND COMPACT STARS. International Journal of Modern Physics D, 2008, 17, 327-336.	2.1	3
218	Dangerous implications of a minimum length in quantum gravity. Classical and Quantum Gravity, 2008, 25, 195013.	4.0	6
219	Strange stars and the cosmological constant problem. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 006-006.	5.4	6
220	Gravitational Particle Production in Braneworld Cosmology. Physical Review Letters, 2007, 99, 191302.	7.8	7
221	Dark energy and the mass of galaxy clusters. Physical Review D, 2007, 75, .	4.7	9
222	Detection of a quasi-periodic oscillation in Î³-ray light curve of the high redshift blazar B2 1520+31. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	31