# Askar B Abdikamalov

List of Publications by Year
in descending order



| 39 | 815 | 516710 16 | 501196 28 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 39 | 39 | 39 | 248 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Toward Precision Tests of General Relativity with Black Hole X-Ray Reflection Spectroscopy. Astrophysical Journal, 2019, 875, 56. | 4.5 | 56 |
| 3 | Public Release of RELXILL_NK: A Relativistic Reflection Model for Testing Einsteinâ€™s Gravity. Astrophysical Journal, 2019, 878, 91. | 4.5 | 54 |
| 4 | Testing conformal gravity with the supermassive black hole in 1H0707-495. Physical Review D, 2018, 98, . | 4.7 | 44 |
| 5 | Tests of the Kerr Hypothesis with GRS 1915+105 Using Different relxill Flavors. Astrophysical Journal, 2019, 884, 147. | 4.5 | 40 |
| 6 | Constraints on the Spacetime Metric around Seven â€œBareâ€•AGNs Using X-Ray Reflection Spectroscopy. Astrophysical Journal, 2019, 874, 135. | 4.5 | 40 |
| 7 | 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 |
| 8 | A Study of the Strong Gravity Region of the Black Hole in GS 1354â€“645. Astrophysical Journal, 2018, 865, 134. | 4.5 | 38 |
| 9 | Testing the Kerr nature of the supermassive black hole in Ark 564. Physical Review D, 2018, 98, . | 4.7 | 30 |
| 10 | 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 |
| 11 | Testing General Relativity with NuSTAR Data of Galactic Black Holes. Astrophysical Journal, 2021, 913, 79. | 4.5 | 28 |
| 12 | About the Kerr Nature of the Stellar-mass Black Hole in GRS 1915+105. Astrophysical Journal, 2019, 875, 41. | 4.5 | 24 |
| 13 | 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 |
| 14 | 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 |
| 15 | XSPEC model for testing the Kerr black hole hypothesis using the continuum-fitting method. Physical Review D, 2019, 99, . | 4.7 | 18 |
| 16 | X-ray reflection spectroscopy with Kaluzaâ€“Klein black holes. European Physical Journal C, 2020, 80, 1. | 3.9 | 18 |
| 17 | Weak gravitational lensing: A compact object with arbitrary quadrupole moment immersed in plasma. Physical Review D, 2018, 98, . | 4.7 | 17 |
| 18 | Constraints on Einstein-Maxwell dilaton-axion gravity from X-ray reflection spectroscopy. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 002. | 5.4 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Testing general relativity with x-ray reflection spectroscopy: The Konoplya-Rezzolla-Zhidenko parametrization. Physical Review D, 2020, 102, . | 4.7 | 16 |
| 20 | relxill_nk: A Relativistic Reflection Model for Testing Einsteinâ€™s Gravity. Universe, 2018, 4, 79. | 2.5 | 15 |
| 21 | 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 |
| 22 | Implementation of a radial disk ionization profile in the relxill_nk model. Physical Review D, 2021, 103, . | 4.7 | 15 |
| 23 | 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 |
| 24 | Search for traversable wormholes in active galactic nuclei using x-ray data. Physical Review D, 2020, 101, . | 4.7 | 12 |
| 25 | Impact of the Disk Thickness on X-Ray Reflection Spectroscopy Measurements. Astrophysical Journal, 2021, 913, 129. | 4.5 | 11 |
| 26 | 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 |
| 27 | Constraining the Konoplya-Rezzolla-Zhidenko deformation parameters: Limits from supermassive black hole x-ray data. Physical Review D, 2021, 104, . | 4.7 | 9 |
| 28 | 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 |
| 29 | Testing General Relativity with Supermassive Black Holes Using X-Ray Reflection Spectroscopy. Proceedings (mdpi), 2019, 17, 2. | 0.2 | 7 |
| 30 | Testing the weak-equivalence principle near black holes. Physical Review D, 2021, 104, . | 4.7 | 7 |
| 31 | Relativistic reflection spectra of super-spinning black holes. European Physical Journal C, 2020, 80, 1. | 3.9 | 7 |
| 32 | Testing the Keplerian disk hypothesis using x-ray reflection spectroscopy. Physical Review D, 2020, 102, . | 4.7 | 6 |
| 33 | 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 |
| 34 | Reflection Spectra of Accretion Disks Illuminated by Disk-like Coronae. Astrophysical Journal, 2022, 925, 51. | 4.5 | 6 |
| 35 | A Reflection Model with a Radial Disk Density Profile. Astrophysical Journal, 2021, 923, 175. | 4.5 | 6 |
| 36 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | 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 |
| 38 | 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 |
| 39 | RELXILL_NK: A Black Hole Relativistic Reflection Model for Testing General Relativity. Proceedings (mdpi), 2019, 17, 7. | 0.2 | 2 |