

Askar B Abdikamalov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6066876/publications.pdf>

Version: 2024-02-01

39

papers

815

citations

516710

16

h-index

501196

28

g-index

39

all docs

39

docs citations

39

times ranked

248

citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Testing the Kerr Black Hole Hypothesis with GRS 1716-249 by Combining the Continuum Fitting and the Iron-line Methods. <i>Astrophysical Journal</i> , 2022, 924, 72. | 4.5 | 13 |
| 2 | Reflection Spectra of Accretion Disks Illuminated by Disk-like Coronae. <i>Astrophysical Journal</i> , 2022, 925, 51. | 4.5 | 6 |
| 3 | Black hole spin measurements based on a thin disc model with finite thickness I. An example study of MCG~06-30-15. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 3246-3259. Probing the near-horizon region of Cygnus X-1 with $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="inline"} \rangle \langle \text{mml:mi} \rangle S \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle u \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle z \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle a \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle b \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle c \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle d \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle N \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle u \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle S \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle T \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle A \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle B \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle C \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle D \langle / \text{mml:mi} \rangle$ | 4.4 | 3 |
| 4 | and $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="inline"} \rangle \langle \text{mml:mi} \rangle N \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle u \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle S \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle T \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle A \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle B \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle C \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle D \langle / \text{mml:mi} \rangle$ | 4.7 | 5 |
| 5 | Physical Review D, 2021, 103, . Testing General Relativity with NuSTAR Data of Galactic Black Holes. <i>Astrophysical Journal</i> , 2021, 913, 79. | 4.5 | 28 |
| 6 | Implementation of a radial disk ionization profile in the relxill_nk model. <i>Physical Review D</i> , 2021, 103, . | 4.7 | 15 |
| 7 | Impact of the Disk Thickness on X-Ray Reflection Spectroscopy Measurements. <i>Astrophysical Journal</i> , 2021, 913, 129. | 4.5 | 11 |
| 8 | Constraints on Einstein-Maxwell dilaton-axion gravity from X-ray reflection spectroscopy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 002. | 5.4 | 16 |
| 9 | Constraining the Konoplya-Rezzolla-Zhidenko deformation parameters: Limits from supermassive black hole x-ray data. <i>Physical Review D</i> , 2021, 104, . | 4.7 | 9 |
| 10 | Testing the weak-equivalence principle near black holes. <i>Physical Review D</i> , 2021, 104, . | 4.7 | 7 |
| 11 | Testing the Kerr Black Hole Hypothesis with GX 339-4 by a Combined Analysis of Its Thermal Spectrum and Reflection Features. <i>Astrophysical Journal</i> , 2021, 907, 31. | 4.5 | 29 |
| 12 | Constraining the Konoplya-Rezzolla-Zhidenko deformation parameters. II. Limits from stellar-mass black hole x-ray data. <i>Physical Review D</i> , 2021, 104, . | 4.7 | 6 |
| 13 | A Reflection Model with a Radial Disk Density Profile. <i>Astrophysical Journal</i> , 2021, 923, 175. | 4.5 | 6 |
| 14 | X-ray reflection spectroscopy with Kaluza-Klein black holes. <i>European Physical Journal C</i> , 2020, 80, 1. | 3.9 | 18 |
| 15 | Testing the Keplerian disk hypothesis using x-ray reflection spectroscopy. <i>Physical Review D</i> , 2020, 102, . | 4.7 | 6 |
| 16 | Testing the Kerr metric using X-ray reflection spectroscopy: spectral analysis of GX 339-4. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 026-026. | 5.4 | 8 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Search for traversable wormholes in active galactic nuclei using x-ray data. Physical Review D, 2020, 101, . | 4.7 | 12 |
| 20 | Testing general relativity with x-ray reflection spectroscopy: The Konoplya-Rezzolla-Zhidenko parametrization. Physical Review D, 2020, 102, . | 4.7 | 16 |
| 21 | Relativistic reflection spectra of super-spinning black holes. European Physical Journal C, 2020, 80, 1. | 3.9 | 7 |
| 22 | 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 |
| 23 | 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 |
| 24 | Testing General Relativity with Supermassive Black Holes Using X-Ray Reflection Spectroscopy. Proceedings (mdpi), 2019, 17, 2. | 0.2 | 7 |
| 25 | Public Release of RELXILL_NK: A Relativistic Reflection Model for Testing Einsteinâ€™s Gravity. Astrophysical Journal, 2019, 878, 91. | 4.5 | 54 |
| 26 | Black hole mimicker hiding in the shadow: Optical properties of the $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block">\mu \rangle$ metric. Physical Review D, 2019, 100, . | 4.7 | 98 |
| 27 | Tests of the Kerr Hypothesis with GRS 1915+105 Using Different relxill Flavors. Astrophysical Journal, 2019, 884, 147. | 4.5 | 40 |
| 28 | RELXILL_NK: A Black Hole Relativistic Reflection Model for Testing General Relativity. Proceedings (mdpi), 2019, 17, 7. | 0.2 | 2 |
| 29 | Testing the Kerr hypothesis using x-ray reflection spectroscopy with <i>NuSTAR</i> data of Cygnus X-1 in the soft state. Physical Review D, 2019, 99, . | 4.7 | 20 |
| 30 | XSPEC model for testing the Kerr black hole hypothesis using the continuum-fitting method. Physical Review D, 2019, 99, . | 4.7 | 18 |
| 31 | Toward Precision Tests of General Relativity with Black Hole X-Ray Reflection Spectroscopy. Astrophysical Journal, 2019, 875, 56. | 4.5 | 56 |
| 32 | About the Kerr Nature of the Stellar-mass Black Hole in GRS 1915+105. Astrophysical Journal, 2019, 875, 41. | 4.5 | 24 |
| 33 | Constraints on the Spacetime Metric around Seven â€œBareâ€ AGNs Using X-Ray Reflection Spectroscopy. Astrophysical Journal, 2019, 874, 135. | 4.5 | 40 |
| 34 | Constraining the Johannsen deformation parameter $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block">\mu \rangle$ with black hole x-ray data. Physical Review D, 2019, 99, . | 4.7 | 15 |
| 35 | A Study of the Strong Gravity Region of the Black Hole in GS 1354â€“645. Astrophysical Journal, 2018, 865, 134. | 4.5 | 38 |
| 36 | relxill_nk: A Relativistic Reflection Model for Testing Einsteinâ€™s Gravity. Universe, 2018, 4, 79. | 2.5 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Testing conformal gravity with the supermassive black hole in 1H0707-495. Physical Review D, 2018, 98, . | 4.7 | 44 |
| 38 | Testing the Kerr nature of the supermassive black hole in Ark 564. Physical Review D, 2018, 98, . | 4.7 | 30 |
| 39 | Weak gravitational lensing: A compact object with arbitrary quadrupole moment immersed in plasma. Physical Review D, 2018, 98, . | 4.7 | 17 |