

Jrn Wilms

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449
papers

18,529
citations

60
h-index

120
g-index

522
ext. papers

21,090
ext. citations

4.9
avg, IF

6.17
L-index

| # | Paper | IF | Citations |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 449 | On the Absorption of X-Rays in the Interstellar Medium. <i>Astrophysical Journal</i> , 2000 , 542, 914-924 | 4.7 | 2212 |
| 448 | Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , 2017 , 848, L12 | 7.9 | 1935 |
| 447 | Going with the Flow: Can the Base of Jets Subsume the Role of Compact Accretion Disk Coronae?. <i>Astrophysical Journal</i> , 2005 , 635, 1203-1216 | 4.7 | 397 |
| 446 | IMPROVED REFLECTION MODELS OF BLACK HOLE ACCRETION DISKS: TREATING THE ANGULAR DISTRIBUTION OF X-RAYS. <i>Astrophysical Journal</i> , 2014 , 782, 76 | 4.7 | 363 |
| 445 | Rossi X-Ray Timing Explorer Observation of Cygnus X-1. II. Timing Analysis. <i>Astrophysical Journal</i> , 1999 , 510, 874-891 | 4.7 | 352 |
| 444 | Letter of intent for KM3Net 2.0. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016 , 43, 084001 | 2.9 | 333 |
| 443 | X-RAY REFLECTED SPECTRA FROM ACCRETION DISK MODELS. III. A COMPLETE GRID OF IONIZED REFLECTION CALCULATIONS. <i>Astrophysical Journal</i> , 2013 , 768, 146 | 4.7 | 288 |
| 442 | XMM-EPIC observation of MCG-6-30-15: direct evidence for the extraction of energy from a spinning black hole?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 328, L27-L31 | 4.3 | 268 |
| 441 | Magnetic Fields of Accreting X-Ray Pulsars with the Rossi X-Ray Timing Explorer. <i>Astrophysical Journal</i> , 2002 , 580, 394-412 | 4.7 | 238 |
| 440 | An accreting pulsar with extreme properties drives an ultraluminous x-ray source in NGC 5907. <i>Science</i> , 2017 , 355, 817-819 | 33.3 | 235 |
| 439 | Broad emission lines for a negatively spinning black hole. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 409, 1534-1540 | 4.3 | 232 |
| 438 | XMM-Newton observations of the brightest ultraluminous X-ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 368, 397-413 | 4.3 | 225 |
| 437 | Irradiation of an accretion disc by a jet: general properties and implications for spin measurements of black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 430, 1694-1708 | 4.3 | 218 |
| 436 | Modulated high-energy gamma-ray emission from the microquasar Cygnus X-3. <i>Science</i> , 2009 , 326, 1512-1513 | 33.3 | 177 |
| 435 | Long term variability of Cygnus X-1. <i>Astronomy and Astrophysics</i> , 2003 , 407, 1039-1058 | 5.1 | 161 |
| 434 | The role of the reflection fraction in constraining black hole spin. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014 , 444, L100-L104 | 4.3 | 155 |
| 433 | Polarized gamma-ray emission from the galactic black hole Cygnus X-1. <i>Science</i> , 2011 , 332, 438-9 | 33.3 | 151 |

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| 432 | Spectral formation in accreting X-ray pulsars: bimodal variation of the cyclotron energy with luminosity. <i>Astronomy and Astrophysics</i> , 2012 , 544, A123 | 5.1 | 150 |
| 431 | The Large Observatory for X-ray Timing (LOFT). <i>Experimental Astronomy</i> , 2012 , 34, 415-444 | 1.3 | 148 |
| 430 | The SURvey for Pulsars and Extragalactic Radio Bursts III. New FRB discoveries and their follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 1427-1446 | 4.3 | 126 |
| 429 | Discovery of a flux-related change of the cyclotron line energy in Hercules X-1. <i>Astronomy and Astrophysics</i> , 2007 , 465, L25-L28 | 5.1 | 109 |
| 428 | Coincidence of a high-fluence blazar outburst with a PeV-energy neutrino event. <i>Nature Physics</i> , 2016 , 12, 807-814 | 16.2 | 107 |
| 427 | On the determination of the spin of the black hole in Cyg X-1 from X-ray reflection spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 424, 217-223 | 4.3 | 104 |
| 426 | Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017 , 850, L35 | 7.9 | 104 |
| 425 | Long term variability of Cygnus X-1. <i>Astronomy and Astrophysics</i> , 2006 , 447, 245-261 | 5.1 | 102 |
| 424 | Self-consistent Thermal Accretion Disk Corona Models for Compact Objects. II. Application to Cygnus X-1. <i>Astrophysical Journal</i> , 1997 , 487, 759-768 | 4.7 | 102 |
| 423 | Coronal-temporal correlations in GX 339-4: hysteresis, possible reflection changes and implications for advection-dominated accretion flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002 , 332, 856-878 | 4.3 | 101 |
| 422 | A model for cyclotron resonance scattering features. <i>Astronomy and Astrophysics</i> , 2007 , 472, 353-365 | 5.1 | 99 |
| 421 | Black hole physics. Black hole lightning due to particle acceleration at subhorizon scales. <i>Science</i> , 2014 , 346, 1080-4 | 33.3 | 98 |
| 420 | The enhanced X-ray Timing and Polarimetry mission IXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1 | 3.6 | 95 |
| 419 | The effects of high density on the X-ray spectrum reflected from accretion discs around black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 462, 751-760 | 4.3 | 94 |
| 418 | Normalizing a relativistic model of X-ray reflection. <i>Astronomy and Astrophysics</i> , 2016 , 590, A76 | 5.1 | 93 |
| 417 | SEARCH FOR COSMIC NEUTRINO POINT SOURCES WITH FOUR YEARS OF DATA FROM THE ANTARES TELESCOPE. <i>Astrophysical Journal</i> , 2012 , 760, 53 | 4.7 | 90 |
| 416 | CORONA, JET, AND RELATIVISTIC LINE MODELS FOR SUZAKU/RXTE/CHANDRA-HETG OBSERVATIONS OF THE CYGNUS X-1 HARD STATE. <i>Astrophysical Journal</i> , 2011 , 728, 13 | 4.7 | 90 |
| 415 | THE REFLECTION COMPONENT FROM CYGNUS X-1 IN THE SOFT STATE MEASURED BY NuSTAR AND SUZAKU. <i>Astrophysical Journal</i> , 2014 , 780, 78 | 4.7 | 89 |

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| 414 | Low-Luminosity States of the Black Hole Candidate GX 339 β . I. ASCA and Simultaneous Radio/RXTE Observations. <i>Astrophysical Journal</i> , 1999 , 522, 460-475 | 4.7 | 88 |
| 413 | Low-Luminosity States of the Black Hole Candidate GX 339 β . II. Timing Analysis. <i>Astrophysical Journal</i> , 1999 , 517, 355-366 | 4.7 | 87 |
| 412 | High variability in Vela X-1: giant flares and off states. <i>Astronomy and Astrophysics</i> , 2008 , 492, 511-525 | 5.1 | 86 |
| 411 | An evaluation of the exposure in nadir observation of the JEM-EUSO mission. <i>Astroparticle Physics</i> , 2013 , 44, 76-90 | 2.4 | 84 |
| 410 | SEARCHES FOR POINT-LIKE AND EXTENDED NEUTRINO SOURCES CLOSE TO THE GALACTIC CENTER USING THE ANTARES NEUTRINO TELESCOPE. <i>Astrophysical Journal Letters</i> , 2014 , 786, L5 | 7.9 | 83 |
| 409 | Constraining jet/disc geometry and radiative processes in stellar black holes XTE J1118+480 and GX 339 β . <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 398, 1638-1650 | 4.3 | 83 |
| 408 | High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 80 |
| 407 | NUSTAR AND SUZAKU OBSERVATIONS OF THE HARD STATE IN CYGNUS X-1: LOCATING THE INNER ACCRETION DISK. <i>Astrophysical Journal</i> , 2015 , 808, 9 | 4.7 | 76 |
| 406 | THE SOFT STATE OF CYGNUS X-1 OBSERVED WITH NUSTAR: A VARIABLE CORONA AND A STABLE INNER DISK. <i>Astrophysical Journal</i> , 2016 , 826, 87 | 4.7 | 74 |
| 405 | TANAMI: tracking active galactic nuclei with austral milliarcsecond interferometry. <i>Astronomy and Astrophysics</i> , 2010 , 519, A45 | 5.1 | 73 |
| 404 | Discovery of recurring soft-to-hard state transitions in LMC X-3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 320, 327-340 | 4.3 | 73 |
| 403 | eXTP: Enhanced X-ray Timing and Polarization mission 2016 , | | 73 |
| 402 | Cyclotron lines in highly magnetized neutron stars. <i>Astronomy and Astrophysics</i> , 2019 , 622, A61 | 5.1 | 72 |
| 401 | Long term variability of Cyg X-1. <i>Astronomy and Astrophysics</i> , 2004 , 414, 1091-1104 | 5.1 | 71 |
| 400 | THE COMPLEX ACCRETION GEOMETRY OF GX 339 β AS SEEN BY NUSTAR AND SWIFT. <i>Astrophysical Journal</i> , 2015 , 808, 122 | 4.7 | 68 |
| 399 | Discovery of a Third Harmonic Cyclotron Resonance Scattering Feature in the X-Ray Spectrum of 4U 0115+63. <i>Astrophysical Journal</i> , 1999 , 521, L49-L53 | 4.7 | 66 |
| 398 | Correlated optical, X-ray, and γ -ray flaring activity seen with INTEGRAL during the 2015 outburst of V404 Cygni. <i>Astronomy and Astrophysics</i> , 2015 , 581, L9 | 5.1 | 65 |
| 397 | The ATHENA x-ray integral field unit (X-IFU) 2018 , | | 65 |

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| 396 | The variable cyclotron line in GX 301-2. <i>Astronomy and Astrophysics</i> , 2004 , 427, 975-986 | 5.1 | 65 |
| 395 | CHANDRAX-RAY SPECTROSCOPY OF THE FOCUSED WIND IN THE CYGNUS X-1 SYSTEM. I. THE NONDIP SPECTRUM IN THE LOW/HARD STATE. <i>Astrophysical Journal</i> , 2009 , 690, 330-346 | 4.7 | 65 |
| 394 | NuSTARDISCOVERY OF A LUMINOSITY DEPENDENT CYCLOTRON LINE ENERGY IN VELA X-1. <i>Astrophysical Journal</i> , 2014 , 780, 133 | 4.7 | 64 |
| 393 | The Athena X-ray Integral Field Unit (X-IFU) 2016 , | | 64 |
| 392 | A giant radio flare from Cygnus X-3 with associated γ -ray emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 421, 2947-2955 | 4.3 | 62 |
| 391 | Spectral analysis of 1H 0707-95 with XMM-Newton. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 422, 1914-1921 | 4.3 | 61 |
| 390 | Towards a Unified View of Inhomogeneous Stellar Winds in Isolated Supergiant Stars and Supergiant High Mass X-Ray Binaries. <i>Space Science Reviews</i> , 2017 , 212, 59-150 | 7.5 | 60 |
| 389 | Rossi X-Ray Timing Explorer Observation of Cygnus X-1. III. Implications for Compton Corona and Advection-dominated Accretion Flow Models. <i>Astrophysical Journal</i> , 1999 , 515, 726-737 | 4.7 | 59 |
| 388 | NO TIME FOR DEAD TIME: TIMING ANALYSIS OF BRIGHT BLACK HOLE BINARIES WITH NuSTAR. <i>Astrophysical Journal</i> , 2015 , 800, 109 | 4.7 | 58 |
| 387 | Measurement of atmospheric neutrino oscillations with the ANTARES neutrino telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 224-230 | 4.2 | 58 |
| 386 | No anticorrelation between cyclotron line energy and X-ray flux in 4U 0115+634. <i>Astronomy and Astrophysics</i> , 2013 , 551, A6 | 5.1 | 58 |
| 385 | X-ray variation statistics and wind clumping in Vela X-1. <i>Astronomy and Astrophysics</i> , 2010 , 519, A37 | 5.1 | 57 |
| 384 | INTEGRAL observations of Hercules X-1. <i>Astronomy and Astrophysics</i> , 2008 , 482, 907-915 | 5.1 | 57 |
| 383 | INTEGRAL observation of the high-mass X-ray transient V 0332+53 during the 2005 outburst decline. <i>Astronomy and Astrophysics</i> , 2006 , 451, 187-194 | 5.1 | 57 |
| 382 | Crab: the standard x-ray candle with all (modern) x-ray satellites 2005 , | | 57 |
| 381 | Confirmation of two cyclotron lines in Vela X-1. <i>Astronomy and Astrophysics</i> , 2002 , 395, 129-140 | 5.1 | 56 |
| 380 | Limits on dark matter annihilation in the sun using the ANTARES neutrino telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 69-74 | 4.2 | 56 |
| 379 | Outburst of GX 304 monitored with INTEGRAL: positive correlation between the cyclotron line energy and flux. <i>Astronomy and Astrophysics</i> , 2012 , 542, L28 | 5.1 | 55 |

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| 378 | RXTE Discovery of Multiple Cyclotron Lines during the 2004 December Outburst of V0332+53. <i>Astrophysical Journal</i> , 2005 , 634, L97-L100 | 4-7 | 54 |
| 377 | Discovery of a Cyclotron Resonant Scattering Feature in the Rossi X-Ray Timing Explorer Spectrum of 4U 0352+309 (X Persei). <i>Astrophysical Journal</i> , 2001 , 552, 738-747 | 4-7 | 54 |
| 376 | Long term variability of Cygnus X-1. <i>Astronomy and Astrophysics</i> , 2014 , 565, A1 | 5-1 | 54 |
| 375 | Long term variability of Cygnus X-1. <i>Astronomy and Astrophysics</i> , 2013 , 554, A88 | 5-1 | 53 |
| 374 | Self-consistent Thermal Accretion Disk Corona Models for Compact Objects. I. Properties of the Corona and the Spectrum of Escaping Radiation. <i>Astrophysical Journal</i> , 1997 , 487, 747-758 | 4-7 | 53 |
| 373 | A 0535+26 in the August/September 2005 outburst observed by RXTE and INTEGRAL. <i>Astronomy and Astrophysics</i> , 2007 , 465, L21-L24 | 5-1 | 52 |
| 372 | Detection of large-scale X-ray bubbles in the Milky Way halo. <i>Nature</i> , 2020 , 588, 227-231 | 50-4 | 51 |
| 371 | A highly magnetized twin-jet base pinpoints a supermassive black hole. <i>Astronomy and Astrophysics</i> , 2016 , 593, A47 | 5-1 | 51 |
| 370 | A good long look at the black hole candidates LMC X-1 and LMC X-3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 320, 316-326 | 4-3 | 51 |
| 369 | Long term variability of Cygnus X-1. <i>Astronomy and Astrophysics</i> , 2004 , 425, 1061-1068 | 5-1 | 51 |
| 368 | Search for muon neutrinos from gamma-ray bursts with the ANTARES neutrino telescope using 2008 to 2011 data. <i>Astronomy and Astrophysics</i> , 2013 , 559, A9 | 5-1 | 50 |
| 367 | Pulse Phase-Resolved Analysis of the High-Mass X-Ray Binary Centaurus X-3 over Two Binary Orbits. <i>Astrophysical Journal</i> , 2008 , 675, 1487-1498 | 4-7 | 50 |
| 366 | ON THE ROLE OF THE ACCRETION DISK IN BLACK HOLE DISK-JET CONNECTIONS. <i>Astrophysical Journal</i> , 2012 , 757, 11 | 4-7 | 49 |
| 365 | Measurement of the atmospheric energy spectrum from 100 GeV to 200 TeV with the ANTARES telescope. <i>European Physical Journal C</i> , 2013 , 73, 1 | 4-2 | 48 |
| 364 | USING THE X-RAY DUST SCATTERING HALO OF CYGNUS X-1 TO DETERMINE DISTANCE AND DUST DISTRIBUTIONS. <i>Astrophysical Journal</i> , 2011 , 738, 78 | 4-7 | 48 |
| 363 | Is the IR Coincidence Just That?. <i>Astrophysical Journal</i> , 2005 , 626, 1006-1014 | 4-7 | 48 |
| 362 | TANAMI monitoring of Centaurus A: The complex dynamics in the inner parsec of an extragalactic jet. <i>Astronomy and Astrophysics</i> , 2014 , 569, A115 | 5-1 | 47 |
| 361 | NON-LOCAL THERMAL EQUILIBRIUM MODEL ATMOSPHERES FOR THE HOTTEST WHITE DWARFS: SPECTRAL ANALYSIS OF THE COMPACT COMPONENT IN NOVA V4743 Sgr. <i>Astrophysical Journal</i> , 2010 , 717, 363-371 | 4-7 | 47 |

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| 360 | Deep-sea bioluminescence blooms after dense water formation at the ocean surface. <i>PLoS ONE</i> , 2013 , 8, e67523 | 3.7 | 46 |
| 359 | Quasi-periodic Oscillation in Seyfert Galaxies: Significance Levels. The Case of Markarian 766. <i>Astrophysical Journal</i> , 2001 , 562, L121-L124 | 4.7 | 46 |
| 358 | A MULTIWAVELENGTH STUDY OF CYGNUS X-1: THE FIRST MID-INFRARED SPECTROSCOPIC DETECTION OF COMPACT JETS. <i>Astrophysical Journal</i> , 2011 , 736, 63 | 4.7 | 45 |
| 357 | First all-flavor neutrino pointlike source search with the ANTARES neutrino telescope. <i>Physical Review D</i> , 2017 , 96, | 4.9 | 44 |
| 356 | TANAMI blazars in the IceCube PeV-neutrino fields. <i>Astronomy and Astrophysics</i> , 2014 , 566, L7 | 5.1 | 44 |
| 355 | A HARD X-RAY POWER-LAW SPECTRAL CUTOFF IN CENTAURUS X-4. <i>Astrophysical Journal</i> , 2014 , 797, 92 | 4.7 | 44 |
| 354 | THE SMOOTH CYCLOTRON LINE IN HER X-1 AS SEEN WITH NUCLEAR SPECTROSCOPIC TELESCOPE ARRAY. <i>Astrophysical Journal</i> , 2013 , 779, 69 | 4.7 | 44 |
| 353 | eROSITA on SRG 2010 , | | 44 |
| 352 | Cygnus X-1 contains a 21-solar mass black hole-Implications for massive star winds. <i>Science</i> , 2021 , 371, 1046-1049 | 33.3 | 43 |
| 351 | GRIPS - Gamma-Ray Imaging, Polarimetry and Spectroscopy. <i>Experimental Astronomy</i> , 2012 , 34, 551-582 | 1.3 | 41 |
| 350 | GAMMA-RAY OBSERVATIONS OF THE MICROQUASARS CYGNUS X-1, CYGNUS X-3, GRS 1915+105, AND GX 339 β WITH THE FERMI LARGE AREA TELESCOPE. <i>Astrophysical Journal</i> , 2013 , 775, 98 | 4.7 | 41 |
| 349 | THE FIRST COMBINED SEARCH FOR NEUTRINO POINT-SOURCES IN THE SOUTHERN HEMISPHERE WITH THE ANTARES AND ICECUBE NEUTRINO TELESCOPES. <i>Astrophysical Journal</i> , 2016 , 823, 65 | 4.7 | 40 |
| 348 | A polarized fast radio burst at low Galactic latitude. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , | 4.3 | 39 |
| 347 | Results from the search for dark matter in the Milky Way with 9 years of data of the ANTARES neutrino telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 249-254 | 4.2 | 38 |
| 346 | Search for relativistic magnetic monopoles with the ANTARES neutrino telescope. <i>Astroparticle Physics</i> , 2012 , 35, 634-640 | 2.4 | 38 |
| 345 | The broad iron K α line of Cygnus X-1 as seen by XMM-Newton in the EPIC-pn modified timing mode. <i>Astronomy and Astrophysics</i> , 2011 , 533, L3 | 5.1 | 38 |
| 344 | BROADBAND SPECTROSCOPY USING TWOSUZAKU OBSERVATIONS OF THE HMXB GX 301 β . <i>Astrophysical Journal</i> , 2012 , 745, 124 | 4.7 | 38 |
| 343 | RXTE observation of Cygnus X-1 -- I. Spectral analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998 , 298, 729-736 | 4.3 | 38 |

- 342 On the deep minimum state in the Seyfert galaxy MCG \bar{B} -30-15. *Monthly Notices of the Royal Astronomical Society*, **2004**, 349, 1153-1166 4.3 38
- 341 SPECTRAL STATE DEPENDENCE OF THE 0.4 \bar{M} MEV POLARIZED EMISSION IN CYGNUS X-1 SEEN WITH INTEGRAL/IBIS, AND LINKS WITH THE AMI RADIO DATA. *Astrophysical Journal*, **2015**, 807, 17 4.7 36
- 340 Rapid and multiband variability of the TeV bright active nucleus of the galaxy IC 310. *Astronomy and Astrophysics*, **2014**, 563, A91 5.1 36
- 339 The positioning system of the ANTARES Neutrino Telescope. *Journal of Instrumentation*, **2012**, 7, T08002-T08003 5.3 35
- 338 The ANTARES telescope neutrino alert system. *Astroparticle Physics*, **2012**, 35, 530-536 2.4 35
- 337 FIRST SEARCH FOR POINT SOURCES OF HIGH-ENERGY COSMIC NEUTRINOS WITH THE ANTARES NEUTRINO TELESCOPE. *Astrophysical Journal Letters*, **2011**, 743, L14 7.9 35
- 336 Updating the orbital ephemeris of Hercules X-1; rate of decay and eccentricity of the orbit. *Astronomy and Astrophysics*, **2009**, 500, 883-889 5.1 35
- 335 INTEGRAL observation of the accreting pulsar GX \bar{J} +4. *Astronomy and Astrophysics*, **2007**, 462, 995-1005 5.1 35
- 334 Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. *Astrophysical Journal Letters*, **2018**, 868, L20 7.9 35
- 333 ON ESTIMATING THE HIGH-ENERGY CUTOFF IN THE X-RAY SPECTRA OF BLACK HOLES VIA REFLECTION SPECTROSCOPY. *Astrophysical Journal Letters*, **2015**, 808, L37 7.9 34
- 332 Deep sea tests of a prototype of the KM3NeT digital optical module. *European Physical Journal C*, **2014**, 74, 1 4.2 34
- 331 Temporal variations of strength and location of the South Atlantic Anomaly as measured by RXTE. *Earth and Planetary Science Letters*, **2009**, 281, 125-133 5.3 34
- 330 Disk-dominated States of 4U 1957+11: Chandra, XMM-Newton, and RXTE Observations of Ostensibly the Most Rapidly Spinning Galactic Black Hole. *Astrophysical Journal*, **2008**, 689, 1199-1214 4.7 34
- 329 A 33 hour period for the Wolf-Rayet/black hole X-ray binary candidate NGC $\bar{B}00$ X-1. *Astronomy and Astrophysics*, **2007**, 466, L17-L20 5.1 34
- 328 The JEM-EUSO instrument. *Experimental Astronomy*, **2015**, 40, 19-44 1.3 33
- 327 The pre-outburst flare of the A 0535+26 August/September 2005 outburst. *Astronomy and Astrophysics*, **2008**, 480, L17-L20 5.1 33
- 326 The 1999 Hercules X-1 Anomalous Low State. *Astrophysical Journal*, **2000**, 543, 351-358 4.7 33
- 325 Implications of the Warm Corona and Relativistic Reflection Models for the Soft Excess in Mrk 509. *Astrophysical Journal*, **2019**, 871, 88 4.7 32

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| 324 | Long-term change in the cyclotron line energy in Hercules X-1. <i>Astronomy and Astrophysics</i> , 2014 , 572, A119 | 5.1 | 32 |
| 323 | Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , 2017 , 96, | 4.9 | 32 |
| 322 | Long term variability of Cygnus X-1. <i>Astronomy and Astrophysics</i> , 2015 , 576, A117 | 5.1 | 32 |
| 321 | NuSTAR AND XMM-NEWTON OBSERVATIONS OF THE HARD X-RAY SPECTRUM OF CENTAURUS A. <i>Astrophysical Journal</i> , 2016 , 819, 150 | 4.7 | 31 |
| 320 | The dust-scattering component of X-ray extinction: effects on continuum fitting and high-resolution absorption edge structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 458, 1345-1351 | 4.3 | 31 |
| 319 | The Athena X-ray Integral Field Unit (X-IFU). <i>Journal of Low Temperature Physics</i> , 2018 , 193, 901-907 | 1.3 | 31 |
| 318 | THE DOUBLE-DEGENERATE NUCLEUS OF THE PLANETARY NEBULA TS 01: A CLOSE BINARY EVOLUTION SHOWCASE. <i>Astrophysical Journal</i> , 2010 , 714, 178-193 | 4.7 | 31 |
| 317 | Study of the many fluorescent lines and the absorption variability in GXB0102 with XMM-Newton. <i>Astronomy and Astrophysics</i> , 2011 , 535, A9 | 5.1 | 31 |
| 316 | On the Inability of Comptonization to Produce the Broad X-Ray Iron Lines Observed in Seyfert Nuclei. <i>Astrophysical Journal</i> , 2000 , 533, 821-825 | 4.7 | 31 |
| 315 | Stability of the Cyclotron Resonance Scattering Feature in Hercules X-1 with RXTE. <i>Astrophysical Journal</i> , 2001 , 562, 499-507 | 4.7 | 31 |
| 314 | Observatory science with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1 | 3.6 | 31 |
| 313 | NuSTAR DISCOVERY OF A CYCLOTRON LINE IN KS 1947+300. <i>Astrophysical Journal Letters</i> , 2014 , 784, L40 | 7.9 | 30 |
| 312 | Sensitivity of the KM3NeT/ARCA neutrino telescope to point-like neutrino sources. <i>Astroparticle Physics</i> , 2019 , 111, 100-110 | 2.4 | 29 |
| 311 | All-flavor Search for a Diffuse Flux of Cosmic Neutrinos with Nine Years of ANTARES Data. <i>Astrophysical Journal Letters</i> , 2018 , 853, L7 | 7.9 | 29 |
| 310 | The JEM-EUSO mission: An introduction. <i>Experimental Astronomy</i> , 2015 , 40, 3-17 | 1.3 | 29 |
| 309 | A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013 , 2013, 008-008 | 6.4 | 29 |
| 308 | Dual-frequency VLBI study of Centaurus A on sub-parsec scales. <i>Astronomy and Astrophysics</i> , 2011 , 530, L11 | 5.1 | 29 |
| 307 | Iron line spectroscopy of NGC 4593 with XMM-Newton: where is the black hole accretion disc?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 352, 205-210 | 4.3 | 29 |

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