

Juri Poutanen

List of Publications by Year in descending order

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245
papers

11,592
citations

22153

59
h-index

33894

99
g-index

246
all docs

246
docs citations

246
times ranked

5344
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical techniques for polarimetric imaging of accretion flows in the Schwarzschild metric. <i>Astronomy and Astrophysics</i> , 2022, 660, A25.	5.1	8
2	Black hole spin-orbit misalignment in the x-ray binary MAXI J1820+070. <i>Science</i> , 2022, 375, 874-876.	12.6	19
3	Imaging X-ray Polarimetry Explorer: prelaunch. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2022, 8, .	1.8	132
4	Optical polarization signatures of black hole X-ray binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2479-2487.	4.4	2
5	Constraints on the magnetic field structure in accreting compact objects from aperiodic variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 571-580.	4.4	11
6	Neutron star parameter constraints for accretion-powered millisecond pulsars from the simulated IXPE data. <i>Astronomy and Astrophysics</i> , 2021, 646, A23.	5.1	5
7	Mechanical model of a boundary layer for the parallel tracks of kilohertz quasi-periodic oscillations in accreting neutron stars. <i>Astronomy and Astrophysics</i> , 2021, 647, A45.	5.1	3
8	X-Ray Pulsar XTE J1858+034: Discovery of the Cyclotron Line and the Revised Optical Identification. <i>Astrophysical Journal</i> , 2021, 909, 154.	4.5	11
9	Hybrid Comptonization and Electron-Positron Pair Production in the Black-hole X-Ray Binary MAXI J1820+070. <i>Astrophysical Journal Letters</i> , 2021, 914, L5.	8.3	18
10	Spectral evolution of X-ray pulsar 4U 1901+03 during the 2019 outburst based on Insight-HXMT and NuSTAR observations. <i>Astronomy and Astrophysics</i> , 2021, 652, A89.	5.1	0
11	Pulsating ULXs: large pulsed fraction excludes strong beaming. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 2424-2429.	4.4	32
12	Double Image Polarimeter Ultra Fast: Simultaneous Three-color (BVR) Polarimeter with Electron-multiplying Charge-coupled Devices. <i>Astronomical Journal</i> , 2021, 161, 20.	4.7	13
13	On the nature of the X-ray pulsar XTE J1859+083 and its broad-band properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5955-5963.	4.4	5
14	Accurate analytic formula for light bending in Schwarzschild metric. <i>Astronomy and Astrophysics</i> , 2020, 640, A24.	5.1	20
15	Kilohertz quasi-periodic oscillations from neutron star spreading layers. <i>Astronomy and Astrophysics</i> , 2020, 638, A142.	5.1	4
16	Colors and patterns of black hole X-ray binary GX 339-4. <i>Astronomy and Astrophysics</i> , 2020, 638, A127.	5.1	7
17	Disc and wind in black hole X-ray binary MAXI J1820+070 observed through polarized light during its 2018 outburst. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 496, L96-L100.	3.3	10
18	Spectral and temporal properties of Compton scattering by mildly relativistic thermal electrons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5234-5246.	4.4	56

#	ARTICLE	IF	CITATIONS
19	Discovery of a retrogradely rotating neutron star in the X-ray pulsar GX 301â€“2. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2178-2182.	4.4	7
20	Observational appearance of rapidly rotating neutron stars. Astronomy and Astrophysics, 2020, 639, A33.	5.1	18
21	The unusual behavior of the young X-ray pulsar SXP 1062 during the 2019 outburst. Astronomy and Astrophysics, 2020, 637, A33.	5.1	7
22	Magnetospheric return-current-heated atmospheres of rotation-powered millisecond pulsars. Astronomy and Astrophysics, 2020, 641, A15.	5.1	11
23	Relativistic rotating vector model for X-ray millisecond pulsars. Astronomy and Astrophysics, 2020, 641, A166.	5.1	29
24	Orbital variability of the optical linear polarization of the γ -ray binary LS I +61 $^{\circ}$ 303 and new constraints on the orbital parameters. Astronomy and Astrophysics, 2020, 643, A170.	5.1	12
25	Oblate Schwarzschild approximation for polarized radiation from rapidly rotating neutron stars. Astronomy and Astrophysics, 2020, 643, A84.	5.1	10
26	Cyclotron emission, absorption, and the two faces of X-ray pulsar Aâ€“0535+262. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 487, L30-L34.	3.3	33
27	Observational constraints on the magnetic field of the bright transient Be/X-ray pulsar SXPâ€“4.78. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3355-3364.	4.4	3
28	Effects of Compton scattering on the neutron star radius constraints in rotation-powered millisecond pulsars. Astronomy and Astrophysics, 2019, 627, A39.	5.1	5
29	<i>NuSTAR</i> observations of wind-fed X-ray pulsar GX 301â€“2 during unusual spin-up event. Astronomy and Astrophysics, 2019, 629, A101.	5.1	17
30	Evidence for the radiation-pressure dominated accretion disk in bursting pulsar GRO J1744âˆ“28 using timing analysis. Astronomy and Astrophysics, 2019, 626, A106.	5.1	20
31	Super-Eddington accretion discs with advection and outflows around magnetized neutron stars. Astronomy and Astrophysics, 2019, 626, A18.	5.1	45
32	Dramatic spectral transition of X-ray pulsar GXâ€“304âˆ“1 in low luminous state. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 483, L144-L148.	3.3	37
33	Study of the X-ray pulsar IGR J19294+1816 with <i>NuSTAR</i> : Detection of cyclotron line and transition to accretion from the cold disk. Astronomy and Astrophysics, 2019, 621, A134.	5.1	13
34	Evolving optical polarisation of the black hole X-ray binary MAXI J1820+070. Astronomy and Astrophysics, 2019, 623, A75.	5.1	21
35	Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout. Astroparticle Physics, 2019, 111, 35-53.	4.3	35
36	Properties of the transient X-ray pulsar Swift J1816.7â€“1613 and its optical companion. Astronomy and Astrophysics, 2019, 622, A198.	5.1	9

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37	Studying temporal variability of GRS 1739+278 during the 2014 outburst. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1392-1405.	4.4	1
38	Dense matter with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	81
39	Optical Polarimetry: Methods, Instruments and Calibration Techniques. Astrophysics and Space Science Library, 2019, , 33-65.	2.7	7
40	Doughnut strikes sandwich: the geometry of hot medium in accreting black hole X-ray binaries. Astronomy and Astrophysics, 2018, 614, A79.	5.1	48
41	Mixed H/He bursts in SAX J1748.9+2021 during the spectral change of its 2015 outburst. Astronomy and Astrophysics, 2018, 620, A114.	5.1	8
42	On the magnetic field of the first Galactic ultraluminous X-ray pulsar Swift J0243.6+6124. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 479, L134-L138.	3.3	35
43	NuSTAR observations of the ultraluminous X-ray source M33 X-8: a black hole in a very high state?. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2357-2364.	4.4	7
44	Evidence for the Photoionization Absorption Edge in a Photospheric Radius Expansion X-Ray Burst from GRS 1747+312 in Terzan 6. Astrophysical Journal, 2018, 866, 53.	4.5	8
45	Bayesian parameter constraints for neutron star masses and radii using X-ray timing observations of accretion-powered millisecond pulsars. Astronomy and Astrophysics, 2018, 618, A161.	5.1	28
46	Accretion heated atmospheres of X-ray bursting neutron stars. Astronomy and Astrophysics, 2018, 619, A114.	5.1	21
47	Science with e-ASTROGAM. Journal of High Energy Astrophysics, 2018, 19, 1-106.	6.7	177
48	Ultraluminous X-ray sources as neutrino pulsars. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2867-2873.	4.4	14
49	Observations of Sagittarius A* during the pericenter passage of the G2 object with MAGIC. Astronomy and Astrophysics, 2017, 601, A33.	5.1	17
50	Expanding hot flow in the black hole binary SWIFT J1753.5+0127: evidence from optical timing. Monthly Notices of the Royal Astronomical Society, 2017, 470, 48-59.	4.4	20
51	Probing the possibility of hotspots on the central neutron star in HESS J1731+347. Astronomy and Astrophysics, 2017, 600, A43.	5.1	14
52	A SEARCH FOR SPECTRAL HYSTERESIS AND ENERGY-DEPENDENT TIME LAGS FROM X-RAY AND TeV GAMMA-RAY OBSERVATIONS OF Mrk 421. Astrophysical Journal, 2017, 834, 2.	4.5	29
53	Gamma-ray opacity of the anisotropic stratified broad-line regions in blazars. Monthly Notices of the Royal Astronomical Society, 2017, 464, 152-169.	4.4	26
54	The 2015 outburst of the accretion-powered pulsar IGR J00291+5934: INTEGRAL and Swift observations. Astronomy and Astrophysics, 2017, 599, A88.	5.1	22

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55	Observation of the black widow B1957+20 millisecond pulsar binary system with the MAGIC telescopes. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4608-4617.	4.4	4
56	First multi-wavelength campaign on the gamma-ray-loud active galaxy IC 310. Astronomy and Astrophysics, 2017, 603, A25.	5.1	22
57	Detection of burning ashes from thermonuclear X-ray bursts. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 464, L6-L10.	3.3	21
58	NuSTAR and XMM-Newton observations of the Arches cluster in 2015: fading hard X-ray emission from the molecular cloud. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2822-2835.	4.4	13
59	PROPELLER EFFECT IN THE TRANSIENT X-RAY PULSAR SMC X-2. Astrophysical Journal, 2017, 834, 209.	4.5	30
60	Very-high-energy gamma-ray observations of the Type Ia Supernova SN 2014J with the MAGIC telescopes. Astronomy and Astrophysics, 2017, 602, A98.	5.1	2
61	MAGIC detection of very high energy γ -ray emission from the low-luminosity blazar 1ES 1741+196. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1534-1541.	4.4	15
62	The transitional millisecond pulsar IGR J18245-2452 during its 2013 outburst at X-rays and soft gamma-rays. Astronomy and Astrophysics, 2017, 603, A16.	5.1	17
63	Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009. Astronomy and Astrophysics, 2017, 603, A31.	5.1	49
64	Multiwavelength observations of a VHE gamma-ray flare from PKS 1510-089 in 2015. Astronomy and Astrophysics, 2017, 603, A29.	5.1	33
65	The direct cooling tail method for X-ray burst analysis to constrain neutron star masses and radii. Monthly Notices of the Royal Astronomical Society, 2017, 466, 906-913.	4.4	36
66	Luminosity dependence of the cyclotron line and evidence for the accretion regime transition in V 0332+53. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2143-2150.	4.4	64
67	Super-Eddington accretion on to a magnetized neutron star. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2799-2813.	4.4	41
68	High-precision optical polarimetry of the accreting black hole V404 Cyg during the 2015 June outburst. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4362-4373.	4.4	22
69	Variable spreading layer in 4U 1608-52 during thermonuclear X-ray bursts in the soft state. Monthly Notices of the Royal Astronomical Society, 2017, 472, 78-89.	4.4	14
70	The X-ray properties of Be/X-ray pulsars in quiescence. Monthly Notices of the Royal Astronomical Society, 2017, 470, 126-141.	4.4	47
71	Basic parameters of the helium-accreting X-ray bursting neutron star in 4U 1820+30. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3905-3913.	4.4	11
72	SMC X-3: the closest ultraluminous X-ray source powered by a neutron star with non-dipole magnetic field. Astronomy and Astrophysics, 2017, 605, A39.	5.1	72

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73	Stable accretion from a cold disc in highly magnetized neutron stars. <i>Astronomy and Astrophysics</i> , 2017, 608, A17.	5.1	51
74	Neutron star mass and radius measurements from atmospheric model fits to X-ray burst cooling tail spectra. <i>Astronomy and Astrophysics</i> , 2017, 608, A31.	5.1	133
75	X-ray burst-induced spectral variability in 4U 1728-34. <i>Astronomy and Astrophysics</i> , 2017, 599, A89.	5.1	24
76	Flux decay during thermonuclear X-ray bursts analysed with the dynamic power-law index method. <i>Astronomy and Astrophysics</i> , 2017, 604, A77.	5.1	5
77	Rosseland and Flux Mean Opacities for Compton Scattering. <i>Astrophysical Journal</i> , 2017, 835, 119.	4.5	33
78	High-precision broad-band linear polarimetry of early-type binaries. <i>Astronomy and Astrophysics</i> , 2016, 591, A92.	5.1	8
79	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. <i>Astronomy and Astrophysics</i> , 2016, 585, A133.	5.1	82
80	Equation of state constraints for the cold dense matter inside neutron stars using the cooling tail method. <i>Astronomy and Astrophysics</i> , 2016, 591, A25.	5.1	100
81	Propeller effect in two brightest transient X-ray pulsars: 4U 0115+63 and V 0332+53. <i>Astronomy and Astrophysics</i> , 2016, 593, A16.	5.1	74
82	Very high-energy gamma-ray follow-up program using neutrino triggers from IceCube. <i>Journal of Instrumentation</i> , 2016, 11, P11009-P11009.	1.2	24
83	eXTP: Enhanced X-ray Timing and Polarization mission. <i>Proceedings of SPIE</i> , 2016, . .	0.8	106
84	Deep observation of the NGC 1275 region with MAGIC: search of diffuse γ -ray emission from cosmic rays in the Perseus cluster. <i>Astronomy and Astrophysics</i> , 2016, 589, A33.	5.1	40
85	Super-orbital variability of LS I +61 \circ 303 at TeV energies. <i>Astronomy and Astrophysics</i> , 2016, 591, A76.	5.1	21
86	Search for VHE gamma-ray emission from Geminga pulsar and nebula with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2016, 591, A138.	5.1	20
87	MAGIC observations of the February 2014 flare of 1ES 1011+496 and ensuing constraint of the EBL density. <i>Astronomy and Astrophysics</i> , 2016, 590, A24.	5.1	46
88	XIPE: the x-ray imaging polarimetry explorer. , 2016, . .		16
89	Long-term multi-wavelength variability and correlation study of Markarian 421 from 2007 to 2009. <i>Astronomy and Astrophysics</i> , 2016, 593, A91.	5.1	36
90	Detection of very high energy gamma-ray emission from the gravitationally lensed blazar QSO B0218+357 with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2016, 595, A98.	5.1	56

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91	Insights into the emission of the blazar 1ES 1011+496 through unprecedented broadband observations during 2011 and 2012. <i>Astronomy and Astrophysics</i> , 2016, 591, A10.	5.1	15
92	Searching for X-ray sources in nearby late-type galaxies with low-star formation rates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 2966-2973.	4.4	0
93	The on-board calibration system of the X-ray Imaging Polarimetry Explorer (XIPE). <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
94	Compton scattering S matrix and cross section in strong magnetic field. <i>Physical Review D</i> , 2016, 93, .	4.7	27
95	Colloquium: Measuring the neutron star equation of state using x-ray timing. <i>Reviews of Modern Physics</i> , 2016, 88, .	45.6	234
96	The LOFT mission concept: a status update. <i>Proceedings of SPIE</i> , 2016, , .	0.8	9
97	MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013. <i>Astrophysical Journal</i> , 2016, 819, 156.	4.5	90
98	NuSTAR discovery of a cyclotron absorption line in the transient X-ray pulsar 2S 1553â ⁵ 42. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 258-266.	4.4	23
99	Measuring the basic parameters of neutron stars using model atmospheres. <i>European Physical Journal A</i> , 2016, 52, 1.	2.5	26
100	Investigating the peculiar emission from the new VHE gamma-ray source H1722+119. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3271-3281.	4.4	26
101	Progenitor constraints for core-collapse supernovae from Chandra X-ray observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1107-1123.	4.4	3
102	Limits to dark matter annihilation cross-section from a combined analysis of MAGIC and Fermi-LAT observations of dwarf satellite galaxies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 039-039.	5.4	216
103	Propeller effect in action in the ultraluminous accreting magnetar M82 Xâ ² . <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1101-1106.	4.4	123
104	The major upgrade of the MAGIC telescopes, Part II: A performance study using observations of the Crab Nebula. <i>Astroparticle Physics</i> , 2016, 72, 76-94.	4.3	305
105	The major upgrade of the MAGIC telescopes, Part I: The hardware improvements and the commissioning of the system. <i>Astroparticle Physics</i> , 2016, 72, 61-75.	4.3	150
106	Very high-energy γ -ray observations of novae and dwarf novae with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2015, 582, A67.	5.1	21
107	MAGIC observations of MWC 656, the only known Be/BH system. <i>Astronomy and Astrophysics</i> , 2015, 576, A36.	5.1	11
108	FIRST NuSTAR OBSERVATIONS OF MRK 501 WITHIN A RADIO TO TeV MULTI-INSTRUMENT CAMPAIGN. <i>Astrophysical Journal</i> , 2015, 812, 65.	4.5	49

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109	Positive correlation between the cyclotron line energy and luminosity in sub-critical X-ray pulsars: Doppler effect in the accretion channel. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2714-2721.	4.4	50
110	Transient X-ray pulsar VÂ0332+53: pulse-phase-resolved spectroscopy and the reflection model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 2175-2186.	4.4	34
111	On the maximum accretion luminosity of magnetized neutron stars: connecting X-ray pulsars and ultraluminous X-ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2539-2548.	4.4	163
112	VERY HIGH ENERGY γ -RAYS FROM THE UNIVERSE'S MIDDLE AGE: DETECTION OF THE $z = 0.940$ BLAZAR PKS 1441+25 WITH MAGIC. <i>Astrophysical Journal Letters</i> , 2015, 815, L23.	8.3	78
113	Reprocessing model for the optical quasi-periodic oscillations in black hole binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 939-945.	4.4	10
114	The critical accretion luminosity for magnetized neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1847-1856.	4.4	144
115	POLARIZATION MODULATION FROM LENSED THIRRING PRECESSION IN X-RAY BINARIES. <i>Astrophysical Journal</i> , 2015, 807, 53.	4.5	36
116	Discovery of correlated optical/X-ray quasi-periodic oscillations in black hole binary SWIFT J1753.5â€“0127. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2855-2862.	4.4	19
117	Probing the very high energy γ -ray spectral curvature in the blazar PG 1553+113 with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 4399-4410.	4.4	22
118	MAGIC detection of short-term variability of the high-peaked BL Lac object 1ES 0806+524. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 739-750.	4.4	25
119	The effect of accretion on the measurement of neutron star mass and radius in the low-mass X-ray binary 4U 1608â€“52. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 3777-3790.	4.4	83
120	Spectroscopic evidence for a low-mass black hole in SWIFT J1753.5â€“0127. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 2424-2439.	4.4	44
121	The Large Observatory for x-ray timing. <i>Proceedings of SPIE</i> , 2014, , .	0.8	10
122	The influence of accretion geometry on the spectral evolution during thermonuclear (type I) X-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 4218-4234.	4.4	54
123	THE MYSTERY OF SPECTRAL BREAKS: LYMAN CONTINUUM ABSORPTION BY PHOTON-PHOTON PAIR PRODUCTION IN THE FERMI GeV SPECTRA OF BRIGHT BLAZARS. <i>Astrophysical Journal</i> , 2014, 794, 8.	4.5	26
124	Colours of black holes: infrared flares from the hot accretion disc in XTE J1550â€“564. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 3987-3998.	4.4	20
125	Modelling Spectral and Timing Properties of Accreting Black Holes: The Hybrid Hot Flow Paradigm. <i>Space Science Reviews</i> , 2014, 183, 61-85.	8.1	61
126	Black hole lightning due to particle acceleration at subhorizon scales. <i>Science</i> , 2014, 346, 1080-1084.	12.6	128

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127	On the origin of cyclotron lines in the spectra of X-ray pulsars. EPJ Web of Conferences, 2014, 64, 02005.	0.3	1
128	Simulations of gamma-ray burst afterglows with a relativistic kinetic code. Astronomy and Astrophysics, 2014, 564, A77.	5.1	10
129	XIPE: the X-ray imaging polarimetry explorer. Experimental Astronomy, 2013, 36, 523-567.	3.7	103
130	Introducing the CTA concept. Astroparticle Physics, 2013, 43, 3-18.	4.3	504
131	Active Galactic Nuclei under the scrutiny of CTA. Astroparticle Physics, 2013, 43, 215-240.	4.3	42
132	Young rotation-powered pulsars as ultraluminous X-ray sources. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2690-2702.	4.4	13
133	On the spreading layer emission in luminous accreting neutron stars. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2355-2361.	4.4	27
134	Hot accretion flow in black hole binaries: a link connecting X-rays to the infrared. Monthly Notices of the Royal Astronomical Society, 2013, 430, 3196-3212.	4.4	82
135	A REFLECTION MODEL FOR THE CYCLOTRON LINES IN THE SPECTRA OF X-RAY PULSARS. Astrophysical Journal, 2013, 777, 115.	4.5	113
136	On the association of the ultraluminous X-ray sources in the Antennae galaxies with young stellar clusters~.... Monthly Notices of the Royal Astronomical Society, 2013, 432, 506-519.	4.4	50
137	A UNIFIED LENSE-THIRING PRECESSION MODEL FOR OPTICAL AND X-RAY QUASI-PERIODIC OSCILLATIONS IN BLACK HOLE BINARIES. Astrophysical Journal, 2013, 778, 165.	4.5	57
138	Modelling Spectral and Timing Properties of Accreting Black Holes: The Hybrid Hot Flow Paradigm. Space Sciences Series of ISSI, 2013, , 61-85.	0.0	0
139	Spectral and timing properties of the accreting X-ray millisecond pulsar IGR J17498-2921. Astronomy and Astrophysics, 2012, 545, A26.	5.1	22
140	Constraining neutron star EoS from cooling stages of X-ray bursts. Proceedings of the International Astronomical Union, 2012, 8, 145-145.	0.0	0
141	LOFT: the Large Observatory For X-ray Timing. Proceedings of SPIE, 2012, , .	0.8	29
142	X-ray bursting neutron star atmosphere models using an exact relativistic kinetic equation for Compton scattering. Astronomy and Astrophysics, 2012, 545, A120.	5.1	87
143	Relativistic kinetic equation for Compton scattering of polarized radiation in a strong magnetic field. Physical Review D, 2012, 85, .	4.7	9
144	Evolution of the spectral curvature in the ultraluminous X-ray source Holmberg II X-1. Monthly Notices of the Royal Astronomical Society, 2012, 422, 990-996.	4.4	23

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145	Joint spectral-timing modelling of the hard lags in GX 339 ⁺ 4: constraints on reflection models. Monthly Notices of the Royal Astronomical Society, 2012, 422, 2407-2416.	4.4	24
146	Fermi Observations of Blazars: Implications for Gamma-ray Production. , 2012, , .		0
147	A SYNCHROTRON SELF-COMPTON-DISK REPROCESSING MODEL FOR OPTICAL/X-RAY CORRELATION IN BLACK HOLE X-RAY BINARIES. Astrophysical Journal Letters, 2011, 737, L17.	8.3	62
148	GAMMA-RAY BURSTS FROM MAGNETIZED COLLISIONALLY HEATED JETS. Astrophysical Journal, 2011, 738, 77.	4.5	112
149	A NEUTRON STAR STIFF EQUATION OF STATE DERIVED FROM COOLING PHASES OF THE X-RAY BURSTER 4U 1724 ⁺ 307. Astrophysical Journal, 2011, 742, 122.	4.5	154
150	Spectral and timing properties of the accreting X-ray millisecond pulsar IGR J17511 ⁺ 3057. Astronomy and Astrophysics, 2011, 529, A68.	5.1	32
151	A self-consistent hybrid Comptonization model for broad-band spectra of accreting supermassive black holes. Monthly Notices of the Royal Astronomical Society, 2011, 414, 3330-3343.	4.4	49
152	The 2009 outburst of accreting millisecond pulsar IGR J17511-3057 as observed by Swift and RXTE. Monthly Notices of the Royal Astronomical Society, 2011, 415, 1864-1874.	4.4	13
153	Varying disc-magnetosphere coupling as the origin of pulse profile variability in SAX J1808.4 ⁺ 3658. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1454-1465.	4.4	20
154	Variation of the $\hat{\nu}^3$ opacity by the He II Lyman continuum constrains the location of the $\hat{\nu}^3$ -ray emission region in the blazar 3C 454.3. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 417, L11-L15.	3.3	38
155	Model atmospheres of X-ray bursting neutron stars. , 2011, , .		0
156	X-ray bursting neutron star atmosphere models: spectra and color corrections. Astronomy and Astrophysics, 2011, 527, A139.	5.1	111
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158	Constraining compactness and magnetic field geometry of X-ray pulsars from the statistics of their pulse profiles. Astronomy and Astrophysics, 2010, 520, A76.	5.1	13
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