Ruediger Staubert

List of Publications by Year
in descending order

61 papers	1,540 citations	304743 22 h-index	315739 38 g-index
61 all docs	61 docs citations	61 times ranked	870 citing authors

#	Article	IF	Citations
1	XMM-EPIC observation of MCG-6-30-15: direct evidence for the extraction of energy from a spinning black hole?. Monthly Notices of the Royal Astronomical Society, 2001, 328, L27-L31.	4.4	283
2	Magnetic Fields of Accreting Xâ€Ray Pulsars with theRossi Xâ€Ray Timing Explorer. Astrophysical Journal, 2002, 580, 394-412.	4.5	275
3	Discovery of a Third Harmonic Cyclotron Resonance Scattering Feature in the X-Ray Spectrum of 4U 0115+63. Astrophysical Journal, 1999, 521, L49-L53.	4.5	70
4	RXTE Discovery of Multiple Cyclotron Lines during the 2004 December Outburst of V0332+53. Astrophysical Journal, 2005, 634, L97-L100.	4.5	61
5	EPISODIC RANDOM ACCRETION AND THE COSMOLOGICAL EVOLUTION OF SUPERMASSIVE BLACK HOLE SPINS. Astrophysical Journal, 2009, 697, L141-L144.	4.5	58
6	Discovery of a Cyclotron Resonant Scattering Feature in theRossi Xâ€Ray Timing ExplorerSpectrum of 4U 0352+309 (X Persei). Astrophysical Journal, 2001, 552, 738-747.	4.5	57
7	THE SMOOTH CYCLOTRON LINE IN HER X-1 AS SEEN WITH NUCLEAR SPECTROSCOPIC TELESCOPE ARRAY. Astrophysical Journal, 2013, 779, 69.	4.5	54
8	Quasi-periodic Oscillation in Seyfert Galaxies: Significance Levels. The Case of Markarian 766. Astrophysical Journal, 2001, 562, L121-L124.	4.5	49
9	Advances in Understanding High-Mass X-ray Binaries with INTEGRALand Future Directions. New Astronomy Reviews, 2019, 86, 101546.	12.8	43
10	On the deep minimum state in the Seyfert galaxy MCGâ^'6-30-15. Monthly Notices of the Royal Astronomical Society, 2004, 349, 1153-1166.	4.4	40
11	The Accretion Rates and Spectral Energy Distributions of BL Lacertae Objects. Astrophysical Journal, 2002, 579, 554-559.	4.5	36
12	Stability of the Cyclotron Resonance Scattering Feature in Hercules Xâ€1 withRXTE. Astrophysical Journal, 2001, 562, 499-507.	4.5	34
13	The 1999 Hercules Xâ€1 Anomalous Low State. Astrophysical Journal, 2000, 543, 351-358.	4.5	33
14	Cyclotron features in X-ray spectra of accreting pulsars. Advances in Space Research, 2006, 38, 2747-2751.	2.6	32
15	Variable neutron star free precession in Hercules X-1 from evolution of RXTE X-ray pulse profiles with phase of the 35-d cycle. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1147-1164.	4.4	32
16	Discovery and modelling of a flattening of the positive cyclotron line/luminosity relation in GX 304â^'1 withRXTE. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2752-2779.	4.4	31
17	Discovery of a Cyclotron Resonance Scattering Feature in the X-Ray Spectrum of XTE J1946+274. Astrophysical Journal, 2001, 563, L35-L39.	4.5	30
18	A DOUBLE-PEAKED OUTBURST OF A 0535+26 OBSERVED WITH INTEGRAL , RXTE , AND SUZAKU. Astrophysical Journal Letters, 2013, 764, L23.	8.3	30

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19	Revealing the broad iron KÎ±line in Cygnus X-1 through simultaneousXMM-Newton, RXTE, and INTEGRAL observations. Astronomy and Astrophysics, 2016, 589, A14.	5.1	28
20	INTEGRALandRXTEObservations of Centaurus A. Astrophysical Journal, 2006, 641, 801-821.	4.5	26
21	SUZAKUOBSERVATIONS OF THE HMXB 1A 1118â€“61. Astrophysical Journal, 2011, 733, 15.	4.5	25
22	Luminosity Dependence of the Cyclotron Line Energy in 1A 0535+262 Observed by Insight-HXMT during the 2020 Giant Outburst. Astrophysical Journal Letters, 2021, 917, L38.	8.3	25
23	Observational manifestations of the change in the tilt of the accretion disk to the orbital plane in her X-1/HZ her with phase of its 35-day period. Astronomy Letters, 2006, 32, 804-815.	1.0	23
24	Evidence for an evolving cyclotron line energy in 4U 1538â^’522. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2745-2761.	4.4	14
25	The First NuSTAR Observation of 4U 1538â€“522: Updated Orbital Ephemeris and a Strengthened Case for an Evolving Cyclotron Line Energy. Astrophysical Journal, 2019, 873, 62.	4.5	14
26	Cyclotron line energy in Hercules X-1: stable after the decay. Astronomy and Astrophysics, 2020, 642, A196.	5.1	14
27	<title>Imager onboard INTEGRAL</title>. , 1996, , .		12
28	European Photon Imaging Camera for x-ray astronomy. , 1990, 1344, 144.		11
29	MIRAX: a Brazilian X-ray astronomy satellite mission. Advances in Space Research, 2004, 34, 2657-2661.	2.6	11
30	Effect of low-energy protons on the performance of the EPIC pn-CCD detector on XMM-Newton. , 2000, 4140, 32.		10
31	A Broadband X-Ray View of the Precessing Accretion Disk and Pre-eclipse Dip in the Pulsar Her X-1 with NuSTAR and XMM-Newton. Astrophysical Journal, 2021, 909, 186.	4.5	10
32	<title>PN-CCD detector for the European photon imaging camera on XMM</title>. , 1996, , .		8
33	THE GOODNESS OF SIMULTANEOUS FITS IN ISIS. Acta Polytechnica, 2016, 56, 41.	0.6	8
34	<title>PN-CCD camera for XMM: performance of high time resolution/bright source operating modes</title>. , 1997, , .		7
35	Magnetic Fields of Accreting X-ray pulsars. Research in Astronomy and Astrophysics, 2003, 3, 270-280.	1.1	7
36	A precessing Be disc as a possible model for occultation events in GX 304â^’1. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1553-1564.	4.4	7

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37	Accretion processes in astrophysics. Physics-Uspekhi, 2019, 62, 1126-1135.	2.2	5
38	Future X-Ray Timing Missions. Astrophysics and Space Science, 2001, 276, 305-312.	1.4	4
39	Modelling of 35-d superorbital cycle of B and V light curves of IMXB HZÂHer/HerÂX-1. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1747-1757.	4.4	4
40	<title>Operational aspects of the pn-CCD camera for XMM and ABRIXAS</title>. , 1999, , .		3
41	Luminosity dependent accretion state change in GRO J1008â€“57. EPJ Web of Conferences, 2014, 64, 06003.	0.3	3
42	<title>In-orbit performance of the EPIC-PN CCD camera on board XMM-Newton</title>. , 2000, , .		3
43	XMM-Newton observation of the Marano Field. Astronomische Nachrichten, 2003, 324, 136-136.	1.2	2
44	Proposal to do fast x-ray timing with XEUS. , 2003, , .		2
45	<title>Progress with PN-CCDs for the XMM satellite mission</title>. , 1991, , .		1
46	<title>Calibration and preliminary results on the performance of the XMM EPIC PN camera: timing modes</title>. , 1998, , .		1
47	6 x 6-cm fully depleted pn-junction CCD for high-resolution spectroscopy in the 0.1- to 15-keV photon energy range. , 1998, , .		1
48	Cygnus X-1 from RXTE: monitoring the short term variability. Advances in Space Research, 2001, 28, 493-498.	2.6	1
49	High-time resolution spectroscopy with XMM-Newton and XEUS. , 2003, 4851, 801.		1
50	Pulse-to-pulse variations in accreting X-ray pulsars. EPJ Web of Conferences, 2014, 64, 06012.	0.3	1
51	<title>Actively shielded CZT focal plane detectors for the Fine Angular Resolution X-ray Imaging Telescope (FAR_XITE)</title>. , 1999, , .		0
52	<title>Description of the FAR_XITE (fine-angular-resolution x-ray imaging telescope, "far-sight") optics and science objectives</title>. , 1999, 3766, 221.		0
53	<title>Description of the FAR-XITE (Fine Angular Resolution X-ray Imaging TelescopE, "far-sight") optics and science objectives: an update</title>. , 2000, , .		0
54	Monitoring the Short-Term Variability of Cyg X-1. , 0, , 133-134.		0

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55	MIRAX: a hard X-ray imaging mission. , 2003, , .		0
56	Discovery and Monitoring of a Broad Iron Line Complex in GRO J1655-40 by RXTE. AIP Conference Proceedings, 2004, , .	0.4	0
57	Event preprocessor for the CdZnTe-strip detector on MIRAX. , 2004, , .		0
58	MIRAX: the galactic bulge transient monitor mission. , 2004, 5488, 956.		0
59	Phase resolved study of the CRSF in MX 0656-072. Advances in Space Research, 2006, 38, 2768-2770.	2.6	0
60	Clumps in the stellar wind of Vela X-1. , 2010, , .		0
61	RXTE Monitoring of LMC X-3. , 0, , 131-132.		0