Xavier Barcons

List of Publications by Year
in descending order

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130 papers	4,571 citations	126708 33 h-index	106150 65 g-index
133 all docs	133 docs citations	133 times ranked	3392 citing authors

#	Article	IF	Citations
1	XIPE: the X-ray imaging polarimetry explorer. Experimental Astronomy, 2013, 36, 523-567.	1.6	103
2	CHANDRAVIEW OF THE WARM-HOT INTERGALACTIC MEDIUM TOWARD 1ES 1553+113: ABSORPTION-LINE DETECTIONS AND IDENTIFICATIONS. I.. Astrophysical Journal, 2013, 769, 90.	1.6	33
3	The XMM deep survey in the CDF-S. Astronomy and Astrophysics, 2013, 555, A43.	2.1	56
4	The XMM deep survey in the CDF-S. Astronomy and Astrophysics, 2013, 556, A114.	2.1	12
5	TheXMM-NewtonSSC survey of the Galactic plane. Astronomy and Astrophysics, 2013, 553, A12.	2.1	20
6	The XMM Deep survey in the CDF-S. Astronomy and Astrophysics, 2013, 555, A79.	2.1	15
7	Averaging the AGN X-ray spectra from deepChandrafields. Astronomy and Astrophysics, 2012, 538, A83.	2.1	14
8	ORIGIN: metal creation and evolution from the cosmic dawn. Experimental Astronomy, 2012, 34, 519-549.	1.6	6
9	Using the Bright UltrahardXMM-Newtonsurvey to define an IR selection of luminous AGN based onWISEcolours. Monthly Notices of the Royal Astronomical Society, 2012, 426, 3271-3281.	1.6	251
10	Simultaneous X-ray and optical observations of true type 2 Seyfert galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 426, 3225-3240.	1.6	47
11	The x-ray microcalorimeter spectrometer onboard Athena. Proceedings of SPIE, 2012, , .	0.8	9
12	The X-ray luminous galaxies optically classified as star forming are mostly narrow line Seyfert 1â€‰s. Astronomy and Astrophysics, 2012, 544, A48.	2.1	14
13	TheSuzakuX-ray spectrum of NGCÂ3147. Astronomy and Astrophysics, 2012, 540, A111.	2.1	14
14	Exploring X-ray and radio emission of typeÂ1ÂAGN up tozÂ~ 2.3. Astronomy and Astrophysics, 2012, 545, A66.	2.1	21
15	TheXMMDeep survey in the CDF-S. Astronomy and Astrophysics, 2011, 526, L9.	2.1	119
16	X-ray redshifts with the International X-ray Observatory (IXO). Advances in Space Research, 2011, 48, 1304-1310.	1.2	1
17	A revision of the X-ray absorption nature of BALQSOs. Astronomy and Astrophysics, 2010, 515, A2.	2.1	20
18	Unabsorbed Seyfert 2 galaxies: the case of â€œnakedâ€•AGN. , 2010, , .		0

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19	A complete X-ray and optical view on the absorption in BALQSOs. , 2010, , .		0
20	Average Iron Line Emission from Distant AGN. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 273-273.	0.3	0
21	The bolometric luminosity of type 2 AGN from extinction-corrected [OIII]. Astronomy and Astrophysics, 2009, 504, 73-79.	2.1	141
22	The XMM-Newton serendipitous survey. Astronomy and Astrophysics, 2009, 493, 339-373.	2.1	414
23	XEUS: the physics of the hot evolving universe. Experimental Astronomy, 2009, 23, 139-168.	1.6	8
24	Unabsorbed Seyfert 2 galaxies: the case of â€˜nakedâ€™ AGN. Monthly Notices of the Royal Astronomical Society, 2009, 398, 1951-1960.	1.6	39
25	The XMM-Newton serendipitous survey. Astronomy and Astrophysics, 2009, 493, 55-69.	2.1	92
26	EURECA: European-Japanese Microcalorimeter Array. Journal of Low Temperature Physics, 2008, 151, 733-739.	0.6	7
27	Searching for the missing baryons in theWarmâ€Hot Intergalactic Medium. Astronomische Nachrichten, 2008, 329, 118-121.	0.6	2
28	EURECA: a European-Japanese microcalorimeter array. , 2008, , .		3
29	Average Fe K$mathsf{alpha}$ emission from distant AGN. Astronomy and Astrophysics, 2008, 492, 71-80.	2.1	33
30	X-ray absorption in distant typeÂII QSOs. Astronomy and Astrophysics, 2008, 483, 415-424.	2.1	23
31	XMM-Newtonobservations of the Lockman Hole: X-ray source catalogue and number counts. Astronomy and Astrophysics, 2008, 479, 283-300.	2.1	70
32	The XMM-Newton bright serendipitous survey. Astronomy and Astrophysics, 2008, 477, 735-746.	2.1	40
33	Compact X-Ray Sources: Strong Gravity at Work. EAS Publications Series, 2008, 30, 39-49.	0.3	0
34	The XMM-Newton serendipitous survey. Astronomy and Astrophysics, 2007, 469, 27-46.	2.1	59
35	The XMM-Newton serendipitous survey. Astronomy and Astrophysics, 2007, 476, 1191-1203.	2.1	40
36	The X-ray and radio connection in low-luminosity active nuclei. Astronomy and Astrophysics, 2007, 467, 519-527.	2.1	120

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37	INTEGRAL/XMM views on the MeV source GROÂJ1411-64. Astrophysics and Space Science, 2007, 309, 17-21.	0.5	0
38	XMM-Newtonobservations of the Lockman Hole. Astronomy and Astrophysics, 2007, 473, 105-120.	2.1	26
39	On the X-ray, optical emission line and black hole mass properties of local Seyfert galaxies. Astronomy and Astrophysics, 2006, 455, 173-185.	2.1	267
40	The new XEUS science case. , 2006, , .		7
41	XEUS: The x-ray evolving universe spectroscopy mission. , 2006, 6266, 493.		12
42	EURECA: a European-Japanese micro-calorimeter array. , 2006, , .		12
43	INTEGRAL and XMM-Newton observations towards the unidentified MeV source GROÂJ1411-64. Astronomy and Astrophysics, 2006, 457, 257-264.	2.1	3
44	ACTIVE GALACTIC NUCLEI AND SURVEYS: THE VIEW FROMTHE NEW X-RAY OBSERVATORIES. , 2006, , 87-98.		0
45	Probing the Precession of the Inner Accretion Disk in Cygnus Xâ€1. Astrophysical Journal, 2005, 626, 1015-1019.	1.6	8
46	Tentative detection of warm intervening gas towards PKS 0548-322 withXMM-Newton. Monthly Notices of the Royal Astronomical Society, 2005, 359, 1549-1556.	1.6	3
47	XMM-Newton observations of the Lockman Hole IV: spectra ofÂtheÂbrightestÂAGN. Astronomy and Astrophysics, 2005, 444, 79-99.	2.1	79
48	XMM-Newton observations of the Lockman Hole. Astronomy and Astrophysics, 2005, 432, 395-400.	2.1	49
49	X-ray spectra of XMM-Newton serendipitous medium flux sources. Astronomy and Astrophysics, 2005, 433, 855-873.	2.1	54
50	Simultaneous X-ray and optical spectroscopy of the Seyfert galaxy MrkÂ993. Astronomy and Astrophysics, 2005, 431, 97-102.	2.1	16
51	The XMM-NewtonHBS28 sample: Studying the obscuration in hard X-ray selected AGNs. Astronomy and Astrophysics, 2004, 416, 901-915.	2.1	72
52	Abundance constraints and direct redshift measurement ofÂtheÂdiffuse X-ray emission from a distant cluster of galaxies. Astronomy and Astrophysics, 2004, 417, 819-825.	2.1	30
53	The (un)resolved Xâ€ray background in the Lockman Hole. Monthly Notices of the Royal Astronomical Society, 2004, 352, L28-L33.	1.6	64
54	Studying the evolution of the hot universe with the X-ray evolving universe spectroscopy mission â€“ XEUS. Advances in Space Research, 2004, 34, 2623-2627.	1.2	1

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55	Science with XEUS: the X-Ray Evolving Universe Spectroscopy mission. , 2004, 5488, 388.		13
56	DUO: the Dark Universe Observatory. , 2004, , .		1
57	Exploring the X-ray sky with the XMM-Newton bright serendipitous survey. Astronomy and Astrophysics, 2004, 428, 383-399.	2.1	99
58	X-RAY SPECTRA OF XMM-NEWTON AGN FROM MEDIUM AND DEEP SURVEYS. , 2004, , .		1
59	X-ray Surveys, in the light of the new observatories. Astronomische Nachrichten, 2003, 324, 3-3.	0.6	7
60	X-ray spectra of XMM-Newton AXIS serendipitous sources. Astronomische Nachrichten, 2003, 324, 48-51.	0.6	0
61	The bi-variate log N-log S. Astronomische Nachrichten, 2003, 324, 157-157.	0.6	1
62	H1320+551: a type 1.8/1.9 Seyfert galaxy with an unabsorbed X-ray spectrum. Monthly Notices of the Royal Astronomical Society, 2003, 339, 757-764.	1.6	34
63	On the origin of the X-ray emission from a narrow-line radio quasar at $z > 1$. Monthly Notices of the Royal Astronomical Society, 2003, 343, 137-142.	1.6	1
64	Cosmological constraints from the cluster contribution to the power spectrum of the soft X-ray background. New evidence for a low sigma8 ?. Monthly Notices of the Royal Astronomical Society, 2003, 344, 951-964.	1.6	12
65	The warm absorber of the type 1 Seyfert galaxy H1419+480. Monthly Notices of the Royal Astronomical Society, 2003, 346, 897-904.	1.6	7
66	The XMM-Newton Survey Science Centre Medium Sensitivity Survey. Astronomische Nachrichten, 2003, 324, 44-47.	0.6	6
67	XEUS: the x-ray evolving universe spectroscopy mission. , 2003, 4851, 304.		7
68	Testing the Binary Black Hole Paradigm through the Fe K Line Profile: Application to 3C 273. Astrophysical Journal, 2003, 596, L31-L34.	1.6	13
69	On the XMM-Newton spectra of soft X-ray selected QSOs. Astronomy and Astrophysics, 2003, 403, 869-876.	2.1	2
70	XMM-Newtonobservations reveal AGN in apparently normal galaxies. Astronomy and Astrophysics, 2003, 406, 483-492.	2.1	89
71	XMM-Newton observation of the Lockman Hole. Astronomy and Astrophysics, 2001, 365, L45-L50.	2.1	307
72	The XMM-Newton Serendipitous Survey. Astronomy and Astrophysics, 2001, 365, L51-L59.	2.1	112

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73	The Gaseous Extent of Galaxies and the Origin of LyÎ± Absorption Systems. V. Optical and Nearâ€Infrared Photometry of LyÎ±â€absorbing Galaxies atzâ€‰<â€‰1. Astrophysical Journal, 2001, 559, 654-674.	1.6	125
74	The European Largeâ€AreaInfrared Space ObservatorySurvey V: ABeppoSAXHard Xâ€Ray Survey of the S1 Region. Astrophysical Journal, 2001, 554, 18-26.	1.6	31
75	Uncovering AGN with X-ray Observations. , 2001, , 357-366.		0
76	The ROSAT International X-ray/Optical Survey (RIXOS): source catalogue. Monthly Notices of the Royal Astronomical Society, 2000, 311, 456-484.	1.6	75
77	The European Large Area ISO Survey -- I. Goals, definition and observations. Monthly Notices of the Royal Astronomical Society, 2000, 316, 749-767.	1.6	173
78	On the intensity of the extragalactic X-ray background. Monthly Notices of the Royal Astronomical Society, 2000, 316, L13-L16.	1.6	36
79	Constraints on the Unseen Galaxy Population from the LyÎ± Forest. International Astronomical Union Colloquium, 1999, 171, 35-42.	0.1	1
80	Spanish Participation in the Millimeter Array. Astrophysics and Space Science, 1998, 263, 381-388.	0.5	0
81	X-ray Observations of Active Galactic Nuclei in the Cosmological Context. Astrophysics and Space Science, 1998, 263, 115-118.	0.5	0
82	QSO Lyman-Alpha Absorbers and Galaxy Halos. Astrophysics and Space Science, 1998, 263, 75-78.	0.5	3
83	A new Xâ€ray mission to measure the power spectrum of fluctuations in the Universe. Astronomische Nachrichten, 1998, 319, 141-144.	0.6	1
84	Measuring the power spectrum of density fluctuations at intermediate redshift with X-ray background observations. Monthly Notices of the Royal Astronomical Society, 1998, 293, 60-70.	1.6	14
85	Deep hard X-ray source counts from a fluctuation analysis of ASCA SIS images. Monthly Notices of the Royal Astronomical Society, 1998, 297, 41-48.	1.6	16
86	Do nuclear starbursts obscure the X-ray background?. Monthly Notices of the Royal Astronomical Society, 1998, 297, L11-L15.	1.6	87
87	Clustering of X-ray selected active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 1998, 299, 229-236.	1.6	29
88	Damped LyÎ± absorbers from dwarf galaxy ejecta. Monthly Notices of the Royal Astronomical Society, 1998, 301, 168-174.	1.6	45
89	Discovery of an X-ray-selected radio-loud obscured AGN at z = 1.246. Monthly Notices of the Royal Astronomical Society, 1998, 301, L25-L29.	1.6	9
90	The Gaseous Extent of Galaxies and the Origin of LyÎ± Absorption Systems. III.HubbleSpaceTelescopeImaging of LyÎ±â€absorbing Galaxies atz< 1. Astrophysical Journal, 1998, 498, 77-94.	1.6	137

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91	Soft X-ray background fluctuations and large-scale structure in the Universe. Monthly Notices of the Royal Astronomical Society, 1997, 285, 820-830.	1.6	10
92	Damped Lyalpha Absorption Associated with an Early-Type Galaxy at Redshift z=0.16377.. Astronomical Journal, 1997, 114, 1337.	1.9	36
93	Soft versus hard X-ray emission in active galactic nuclei: partialcovering and warm-plus-cold absorber models. Monthly Notices of the Royal Astronomical Society, 1996, 282, 493-500.	1.6	19
94	The luminosity function evolution of soft X-ray-selected active galactic nuclei in the RIXOS survey. Monthly Notices of the Royal Astronomical Society, 1996, 281, 579-590.	1.6	25
95	The Gaseous Extent of Galaxies and the Origin of LyÎ± Absorption Systems. II. Identification of a Group or Cluster of LyÎ± Absorbing Galaxies at [ITAL]z[/ITAL] â‰ˆ 0.26. Astrophysical Journal, 1996, 456, .	1.6	22
96	Extensive dark-matter haloes in low-luminosity galaxies revealed by quasar absorption lines. Nature, 1995, 376, 321-323.	13.7	19
97	Interpreting soft X-ray source counts in terms of absorption in Active Galactic Nuclei. Advances in Space Research, 1995, 16, 99-102.	1.2	0
98	Correlation of the 2â€“10 keV X-ray background with nearby galaxies. Advances in Space Research, 1995, 16, 111-114.	1.2	1
99	Nearby galaxies and the Ginga X-ray background. Monthly Notices of the Royal Astronomical Society, 1995, 275, 22-30.	1.6	7
100	The ROSAT UK Medium Sensitivity Survey: optical identification and relation to X-ray spectral properties. Monthly Notices of the Royal Astronomical Society, 1995, 277, 1312-1326.	1.6	20
101	The Gaseous Extent of Galaxies and the Origin of LyÎ± Absorption Systems. Globular Clusters - Guides To Galaxies, 1995, , 263-272.	0.1	3
102	The absorption spectra of Q1107+487 and Q1442+295. Astronomical Journal, 1995, 109, 1531.	1.9	4
103	Hard X-Ray Emission from Extragalactic IRAS 12 Micron Sources: Constraints on the Unified Active Galactic Nucleus Model and the Synthesis of the X-Ray Background. Astrophysical Journal, 1995, 455, 480.	1.6	23
104	Deep X-ray source counts from a fluctuation analysis of ROSAT PSPC images. Monthly Notices of the Royal Astronomical Society, 1994, 268, 833-840.	1.6	10
105	Fluctuation analyses of the X-ray background. Advances in Space Research, 1993, 13, 253-259.	1.2	0
106	A significant contribution to the cosmic X-ray background from sources associated with nearby galaxies. Nature, 1993, 364, 693-695.	13.7	16
107	The subdegree angular structure of the X-ray sky as seen by the Ginga satellite. Monthly Notices of the Royal Astronomical Society, 1993, 260, 376-384.	1.6	10
108	The spatial distribution of cosmic X-ray sources from the isotropy of the soft X-ray background. Monthly Notices of the Royal Astronomical Society, 1992, 257, 507-512.	1.6	7

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109	The Gunn-Peterson effect and the H I column density distribution of Lyman alpha forest clouds at z = 4. Monthly Notices of the Royal Astronomical Society, 1992, 255, 319-324.	1.6	30
110	Confusion noise and source clustering. Astrophysical Journal, 1992, 396, 460.	1.6	30
111	Fluctuations in the X-ray background, X-ray source counts and astro D. Advances in Space Research, 1991, 11, 55-59.	1.2	0
112	The physical state of the intergalactic medium. Nature, 1991, 350, 685-687.	13.7	23
113	The effect of clustering on the equivalent width distribution of QSO Lyman-alpha clouds. Monthly Notices of the Royal Astronomical Society, 1991, 253, 207-211.	1.6	7
114	The correlation function of the 4-12 keV X-ray background intensity measured with the GINGA LAC. Monthly Notices of the Royal Astronomical Society, 1991, 249, 698-703.	1.6	9
115	Intergalactic matter. Reports on Progress in Physics, 1991, 54, 1069-1122.	8.1	11
116	A search for inhomogeneities in the Lyman Î± forest. Monthly Notices of the Royal Astronomical Society, 1991, 250, 270-277.	1.6	12
117	The structure of the 1?3 keV X-ray background. Astrophysics and Space Science, 1990, 171, 49-53.	0.5	0
118	A Hot Intergalactic Medium. , 1990, , 299-306.		0
119	The small-scale autocorrelation function of the X-ray backgroundâ‹†. Monthly Notices of the Royal Astronomical Society, 1989, 237, 119-127.	1.6	23
120	Radio-quiet QSO and the X-ray background. Monthly Notices of the Royal Astronomical Society, 1989, 239, 15P-18P.	1.6	5
121	Fluctuations in the X-ray background and the large-scale structure of the Universe. Monthly Notices of the Royal Astronomical Society, 1988, 230, 189-206.	1.6	41
122	On the timing formula for isolated pulsars - The case of bunching emission. Astrophysical Journal, 1988, 331, 397.	1.6	0
123	Are Lyman Â clouds non-spherical?. Monthly Notices of the Royal Astronomical Society, 1987, 224, 675-684.	1.6	9
124	X-ray radiation from the intergalalctic plasma. Astrophysical Journal, 1987, 313, 547.	1.6	18
125	Statistical mechanics of classical dilute relativistic plasmas in equilibrium. Journal of Physics A, 1985, 18, 271-285.	1.6	5
126	Dispersion of electromagnetic waves by the hot intergalactic plasma. Astrophysical Journal, 1985, 289, 33.	1.6	7

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127	Self-oscillations in classical dilute relativistic plasmas. Physica A: Statistical Mechanics and Its Applications, 1984, 123, 617-624.	1.2	0
128	Systems under the influence of white and colored poisson noise. Physica A: Statistical Mechanics and Its Applications, 1983, 117, 212-226.	1.2	6
129	Classical dilute relativistic plasmas in equilibrium. II. Thermodynamic functions. Physical Review A, 1983, 28, 3030-3036.	1.0	5
130	NGC 3147: a â€˜trueâ€™ type 2 Seyfert galaxy without the broad-line region. Monthly Notices of the Royal Astronomical Society, 0, 385, 195-199.	1.6	55