

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	The XMM-Newton serendipitous survey. <i>Astronomy and Astrophysics</i> , 2009, 493, 339-373.	2.1	414
2	XMM-Newton observation of the Lockman Hole. <i>Astronomy and Astrophysics</i> , 2001, 365, L45-L50.	2.1	307
3	On the X-ray, optical emission line and black hole mass properties of local Seyfert galaxies. <i>Astronomy and Astrophysics</i> , 2006, 455, 173-185.	2.1	267
4	Using the Bright Ultrahard XMM-Newton survey to define an IR selection of luminous AGN based on WISE colours. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 3271-3281.	1.6	251
5	The European Large Area ISO Survey -- I. Goals, definition and observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 316, 749-767.	1.6	173
6	The bolometric luminosity of type 2 AGN from extinction-corrected [OIII]. <i>Astronomy and Astrophysics</i> , 2009, 504, 73-79.	2.1	141
7	The Gaseous Extent of Galaxies and the Origin of Ly α Absorption Systems. III. Hubble Space Telescope imaging of Ly α -absorbing Galaxies at $z < 1$. <i>Astrophysical Journal</i> , 1998, 498, 77-94.	1.6	137
8	The Gaseous Extent of Galaxies and the Origin of Ly α Absorption Systems. V. Optical and Near-Infrared Photometry of Ly α -absorbing Galaxies at $z \approx 1$. <i>Astrophysical Journal</i> , 2001, 559, 654-674.	1.6	125
9	The X-ray and radio connection in low-luminosity active nuclei. <i>Astronomy and Astrophysics</i> , 2007, 467, 519-527.	2.1	120
10	The XMM-Newton Deep survey in the CDF-S. <i>Astronomy and Astrophysics</i> , 2011, 526, L9.	2.1	119
11	The XMM-Newton Serendipitous Survey. <i>Astronomy and Astrophysics</i> , 2001, 365, L51-L59.	2.1	112
12	XIPE: the X-ray imaging polarimetry explorer. <i>Experimental Astronomy</i> , 2013, 36, 523-567.	1.6	103
13	Exploring the X-ray sky with the XMM-Newton bright serendipitous survey. <i>Astronomy and Astrophysics</i> , 2004, 428, 383-399.	2.1	99
14	The XMM-Newton serendipitous survey. <i>Astronomy and Astrophysics</i> , 2009, 493, 55-69.	2.1	92
15	XMM-Newton observations reveal AGN in apparently normal galaxies. <i>Astronomy and Astrophysics</i> , 2003, 406, 483-492.	2.1	89
16	Do nuclear starbursts obscure the X-ray background?. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 297, L11-L15.	1.6	87
17	XMM-Newton observations of the Lockman Hole IV: spectra of the brightest AGN. <i>Astronomy and Astrophysics</i> , 2005, 444, 79-99.	2.1	79
18	The ROSAT International X-ray/Optical Survey (RIXOS): source catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 311, 456-484.	1.6	75

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19	The XMM-Newton HBS28 sample: Studying the obscuration in hard X-ray selected AGNs. <i>Astronomy and Astrophysics</i> , 2004, 416, 901-915.	2.1	72
20	XMM-Newton observations of the Lockman Hole: X-ray source catalogue and number counts. <i>Astronomy and Astrophysics</i> , 2008, 479, 283-300.	2.1	70
21	The (un)resolved X-ray background in the Lockman Hole. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 352, L28-L33.	1.6	64
22	The XMM-Newton serendipitous survey. <i>Astronomy and Astrophysics</i> , 2007, 469, 27-46.	2.1	59
23	The XMM deep survey in the CDF-S. <i>Astronomy and Astrophysics</i> , 2013, 555, A43.	2.1	56
24	NGC 3147: a $\hat{=}$ true $\hat{=}$ type 2 Seyfert galaxy without the broad-line region. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 385, 195-199.	1.6	55
25	X-ray spectra of XMM-Newton serendipitous medium flux sources. <i>Astronomy and Astrophysics</i> , 2005, 433, 855-873.	2.1	54
26	XMM-Newton observations of the Lockman Hole. <i>Astronomy and Astrophysics</i> , 2005, 432, 395-400.	2.1	49
27	Simultaneous X-ray and optical observations of true type 2 Seyfert galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 3225-3240.	1.6	47
28	Damped Ly $\hat{=}$ absorbers from dwarf galaxy ejecta. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 301, 168-174.	1.6	45
29	Fluctuations in the X-ray background and the large-scale structure of the Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 1988, 230, 189-206.	1.6	41
30	The XMM-Newton serendipitous survey. <i>Astronomy and Astrophysics</i> , 2007, 476, 1191-1203.	2.1	40
31	The XMM-Newton bright serendipitous survey. <i>Astronomy and Astrophysics</i> , 2008, 477, 735-746.	2.1	40
32	Unabsorbed Seyfert 2 galaxies: the case of $\hat{=}$ naked $\hat{=}$ AGN. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 1951-1960.	1.6	39
33	On the intensity of the extragalactic X-ray background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 316, L13-L16.	1.6	36
34	Damped Ly α Absorption Associated with an Early-Type Galaxy at Redshift $z=0.16377$.. <i>Astronomical Journal</i> , 1997, 114, 1337.	1.9	36
35	H1320+551: a type 1.8/1.9 Seyfert galaxy with an unabsorbed X-ray spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 339, 757-764.	1.6	34
36	Average Fe K α emission from distant AGN. <i>Astronomy and Astrophysics</i> , 2008, 492, 71-80.	2.1	33

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37	<i>CHANDRA</i> VIEW OF THE WARM-HOT INTERGALACTIC MEDIUM TOWARD 1ES 1553+113: ABSORPTION-LINE DETECTIONS AND IDENTIFICATIONS. I.. <i>Astrophysical Journal</i> , 2013, 769, 90.	1.6	33
38	The European Large-Area Infrared Space Observatory Survey V: A BeppoSAX Hard X-Ray Survey of the S1 Region. <i>Astrophysical Journal</i> , 2001, 554, 18-26.	1.6	31
39	The Gunn-Peterson effect and the H I column density distribution of Lyman alpha forest clouds at $z = 4$. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992, 255, 319-324.	1.6	30
40	Abundance constraints and direct redshift measurement of the diffuse X-ray emission from a distant cluster of galaxies. <i>Astronomy and Astrophysics</i> , 2004, 417, 819-825.	2.1	30
41	Confusion noise and source clustering. <i>Astrophysical Journal</i> , 1992, 396, 460.	1.6	30
42	Clustering of X-ray selected active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 299, 229-236.	1.6	29
43	<i>XMM-Newton</i> observations of the Lockman Hole. <i>Astronomy and Astrophysics</i> , 2007, 473, 105-120.	2.1	26
44	The luminosity function evolution of soft X-ray-selected active galactic nuclei in the RIXOS survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 281, 579-590.	1.6	25
45	The small-scale autocorrelation function of the X-ray background. <i>Monthly Notices of the Royal Astronomical Society</i> , 1989, 237, 119-127.	1.6	23
46	The physical state of the intergalactic medium. <i>Nature</i> , 1991, 350, 685-687.	13.7	23
47	X-ray absorption in distant type I QSOs. <i>Astronomy and Astrophysics</i> , 2008, 483, 415-424.	2.1	23
48	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. <i>Astrophysical Journal</i> , 1995, 455, 480.	1.6	23
49	The Gaseous Extent of Galaxies and the Origin of Ly α Absorption Systems. II. Identification of a Group or Cluster of Ly α Absorbing Galaxies at $z \approx 0.26$. <i>Astrophysical Journal</i> , 1996, 456, .	1.6	22
50	Exploring X-ray and radio emission of type 1 AGN up to $z \sim 2.3$. <i>Astronomy and Astrophysics</i> , 2012, 545, A66.	2.1	21
51	The ROSAT UK Medium Sensitivity Survey: optical identification and relation to X-ray spectral properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 1995, 277, 1312-1326.	1.6	20
52	A revision of the X-ray absorption nature of BALQSOs. <i>Astronomy and Astrophysics</i> , 2010, 515, A2.	2.1	20
53	The <i>XMM-Newton</i> SSC survey of the Galactic plane. <i>Astronomy and Astrophysics</i> , 2013, 553, A12.	2.1	20
54	Extensive dark-matter haloes in low-luminosity galaxies revealed by quasar absorption lines. <i>Nature</i> , 1995, 376, 321-323.	13.7	19

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55	Soft versus hard X-ray emission in active galactic nuclei: partial covering and warm-plus-cold absorber models. Monthly Notices of the Royal Astronomical Society, 1996, 282, 493-500.	1.6	19
56	X-ray radiation from the intergalactic plasma. Astrophysical Journal, 1987, 313, 547.	1.6	18
57	A significant contribution to the cosmic X-ray background from sources associated with nearby galaxies. Nature, 1993, 364, 693-695.	13.7	16
58	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
59	Simultaneous X-ray and optical spectroscopy of the Seyfert galaxy Mrk 993. Astronomy and Astrophysics, 2005, 431, 97-102.	2.1	16
60	The XMM Deep survey in the CDF-S. Astronomy and Astrophysics, 2013, 555, A79.	2.1	15
61	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
62	Averaging the AGN X-ray spectra from deep Chandra fields. Astronomy and Astrophysics, 2012, 538, A83.	2.1	14
63	The X-ray luminous galaxies optically classified as star forming are mostly narrow line Seyfert 1s. Astronomy and Astrophysics, 2012, 544, A48.	2.1	14
64	The Suzaku X-ray spectrum of NGC 3147. Astronomy and Astrophysics, 2012, 540, A111.	2.1	14
65	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
66	Science with XEUS: the X-Ray Evolving Universe Spectroscopy mission. , 2004, 5488, 388.		13
67	A search for inhomogeneities in the Lyman τ forest. Monthly Notices of the Royal Astronomical Society, 1991, 250, 270-277.	1.6	12
68	Cosmological constraints from the cluster contribution to the power spectrum of the soft X-ray background. New evidence for a low σ_8 ?. Monthly Notices of the Royal Astronomical Society, 2003, 344, 951-964.	1.6	12
69	XEUS: The x-ray evolving universe spectroscopy mission. , 2006, 6266, 493.		12
70	EURECA: a European-Japanese micro-calorimeter array. , 2006, , .		12
71	The XMM deep survey in the CDF-S. Astronomy and Astrophysics, 2013, 556, A114.	2.1	12
72	Intergalactic matter. Reports on Progress in Physics, 1991, 54, 1069-1122.	8.1	11

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73	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
74	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
75	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
76	Are Lyman α clouds non-spherical?. Monthly Notices of the Royal Astronomical Society, 1987, 224, 675-684.	1.6	9
77	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
78	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
79	The x-ray microcalorimeter spectrometer onboard Athena. Proceedings of SPIE, 2012, , .	0.8	9
80	Probing the Precession of the Inner Accretion Disk in Cygnus X-1. Astrophysical Journal, 2005, 626, 1015-1019.	1.6	8
81	XEUS: the physics of the hot evolving universe. Experimental Astronomy, 2009, 23, 139-168.	1.6	8
82	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
83	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
84	Nearby galaxies and the Ginga X-ray background. Monthly Notices of the Royal Astronomical Society, 1995, 275, 22-30.	1.6	7
85	X-ray Surveys, in the light of the new observatories. Astronomische Nachrichten, 2003, 324, 3-3.	0.6	7
86	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
87	XEUS: the x-ray evolving universe spectroscopy mission. , 2003, 4851, 304.		7
88	The new XEUS science case. , 2006, , .		7
89	EURECA: European-Japanese Microcalorimeter Array. Journal of Low Temperature Physics, 2008, 151, 733-739.	0.6	7
90	Dispersion of electromagnetic waves by the hot intergalactic plasma. Astrophysical Journal, 1985, 289, 33.	1.6	7

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91	Systems under the influence of white and colored poisson noise. Physica A: Statistical Mechanics and Its Applications, 1983, 117, 212-226.	1.2	6
92	The XMM-Newton Survey Science Centre Medium Sensitivity Survey. Astronomische Nachrichten, 2003, 324, 44-47.	0.6	6
93	ORIGIN: metal creation and evolution from the cosmic dawn. Experimental Astronomy, 2012, 34, 519-549.	1.6	6
94	Classical dilute relativistic plasmas in equilibrium. II. Thermodynamic functions. Physical Review A, 1983, 28, 3030-3036.	1.0	5
95	Statistical mechanics of classical dilute relativistic plasmas in equilibrium. Journal of Physics A, 1985, 18, 271-285.	1.6	5
96	Radio-quiet QSO and the X-ray background. Monthly Notices of the Royal Astronomical Society, 1989, 239, 15P-18P.	1.6	5
97	The absorption spectra of Q1107+487 and Q1442+295. Astronomical Journal, 1995, 109, 1531.	1.9	4
98	QSO Lyman-Alpha Absorbers and Galaxy Halos. Astrophysics and Space Science, 1998, 263, 75-78.	0.5	3
99	Tentative detection of warm intervening gas towards PKS 0548-322 with XMM-Newton. Monthly Notices of the Royal Astronomical Society, 2005, 359, 1549-1556.	1.6	3
100	EURECA: a European-Japanese microcalorimeter array. , 2008, , .		3
101	The Gaseous Extent of Galaxies and the Origin of Ly α Absorption Systems. Globular Clusters - Guides To Galaxies, 1995, , 263-272.	0.1	3
102	INTEGRAL and XMM-Newton observations towards the unidentified MeV source GRO J1411-64. Astronomy and Astrophysics, 2006, 457, 257-264.	2.1	3
103	Searching for the missing baryons in the Warm-Hot Intergalactic Medium. Astronomische Nachrichten, 2008, 329, 118-121.	0.6	2
104	On the XMM-Newton spectra of soft X-ray selected QSOs. Astronomy and Astrophysics, 2003, 403, 869-876.	2.1	2
105	Correlation of the 2×10 keV X-ray background with nearby galaxies. Advances in Space Research, 1995, 16, 111-114.	1.2	1
106	A new X-ray mission to measure the power spectrum of fluctuations in the Universe. Astronomische Nachrichten, 1998, 319, 141-144.	0.6	1
107	Constraints on the Unseen Galaxy Population from the Ly α Forest. International Astronomical Union Colloquium, 1999, 171, 35-42.	0.1	1
108	The bi-variate log N-log S. Astronomische Nachrichten, 2003, 324, 157-157.	0.6	1

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109	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
110	Studying the evolution of the hot universe with the X-ray evolving universe spectroscopy mission "XEU". Advances in Space Research, 2004, 34, 2623-2627.	1.2	1
111	DUO: the Dark Universe Observatory. , 2004, , .		1
112	X-ray redshifts with the International X-ray Observatory (IXO). Advances in Space Research, 2011, 48, 1304-1310.	1.2	1
113	X-RAY SPECTRA OF XMM-NEWTON AGN FROM MEDIUM AND DEEP SURVEYS. , 2004, , .		1
114	Self-oscillations in classical dilute relativistic plasmas. Physica A: Statistical Mechanics and Its Applications, 1984, 123, 617-624.	1.2	0
115	The structure of the 173 keV X-ray background. Astrophysics and Space Science, 1990, 171, 49-53.	0.5	0
116	Fluctuations in the X-ray background, X-ray source counts and astro D. Advances in Space Research, 1991, 11, 55-59.	1.2	0
117	Fluctuation analyses of the X-ray background. Advances in Space Research, 1993, 13, 253-259.	1.2	0
118	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
119	Spanish Participation in the Millimeter Array. Astrophysics and Space Science, 1998, 263, 381-388.	0.5	0
120	X-ray Observations of Active Galactic Nuclei in the Cosmological Context. Astrophysics and Space Science, 1998, 263, 115-118.	0.5	0
121	X-ray spectra of XMM-Newton AXIS serendipitous sources. Astronomische Nachrichten, 2003, 324, 48-51.	0.6	0
122	INTEGRAL/XMM views on the MeV source GRO J1411-64. Astrophysics and Space Science, 2007, 309, 17-21.	0.5	0
123	Unabsorbed Seyfert 2 galaxies: the case of "naked" AGN. , 2010, , .		0
124	A complete X-ray and optical view on the absorption in BALQSOs. , 2010, , .		0
125	Uncovering AGN with X-ray Observations. , 2001, , 357-366.		0
126	ACTIVE GALACTIC NUCLEI AND SURVEYS: THE VIEW FROM THE NEW X-RAY OBSERVATORIES. , 2006, , 87-98.		0

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127	Compact X-Ray Sources: Strong Gravity at Work. EAS Publications Series, 2008, 30, 39-49.	0.3	0
128	Average Iron Line Emission from Distant AGN. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 273-273.	0.3	0
129	A Hot Intergalactic Medium. , 1990, , 299-306.		0
130	On the timing formula for isolated pulsars - The case of bunching emission. Astrophysical Journal, 1988, 331, 397.	1.6	0