Fabrizio Nicastro

List of Publications by Year
in descending order

144	6,902	61857	79541
papers	citations	43 h-index	73 g-index

148	148	148	4900
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CIAO: Chandra's data analysis system. , 2006, 6270, 586.		823
2	Ubiquitous Variability of Xâ€Rayâ€“absorbing Column Densities in Seyfert 2 Galaxies. Astrophysical Journal, 2002, 571, 234-246.	1.6	279
3	A HUGE RESERVOIR OF IONIZED GAS AROUND THE MILKY WAY: ACCOUNTING FOR THE MISSING MASS?. Astrophysical Journal Letters, 2012, 756, L8.	3.0	225
4	ChandraDiscovery of a Tree in the Xâ€Ray Forest toward PKS 2155â^'304: The Local Filament?. Astrophysical Journal, 2002, 573, 157-167.	1.6	207
5	Observations of the missing baryons in the warmâ€“hot intergalactic medium. Nature, 2018, 558, 406-409.	13.7	194
6	Is RX J1856.5â^'3754 a Quark Star?. Astrophysical Journal, 2002, 572, 996-1001.	1.6	183
7	Broad Emission Line Regions in Active Galactic Nuclei: The Link with the Accretion Power. Astrophysical Journal, 2000, 530, L65-L68.	1.6	179
8	The mass of the missing baryons in the X-ray forest of the warmâ€“hot intergalactic medium. Nature, 2005, 433, 495-498.	13.7	173
9	The Compact, Conical, Accretionâ€Disk Warm Absorber of the Seyfert 1 Galaxy NGC 4051 and Its Implications for IGMâ€Galaxy Feedback Processes. Astrophysical Journal, 2007, 659, 1022-1039.	1.6	169
10	Toward a Selfâ€Consistent Model of the Ionized Absorber in NGC 3783. Astrophysical Journal, 2003, 597, 832-850.	1.6	162
11	The unprecedented optical outburst of the quasar 3C 454.3. Astronomy and Astrophysics, 2006, 453, 817-822.	2.1	152
12	An Unveiling Event in the Type 2 Active Galactic Nucleus NGC 4388:A Challenge for a Parsec-Scale Absorber. Astrophysical Journal, 2004, 615, L25-L28.	1.6	129
13	Testing Comptonization Models UsingBeppoSAXObservations of Seyfert 1 Galaxies. Astrophysical Journal, 2001, 556, 716-726.	1.6	121
14	ChandraDetection of the First Xâ€Ray Forest along the Line of Sight to Markarian 421. Astrophysical Journal, 2005, 629, 700-718.	1.6	121
15	The ATHENA x-ray integral field unit (X-IFU). , 2018, , .		120
16	TheXMMDeep survey in the CDF-S. Astronomy and Astrophysics, 2011, 526, L9.	2.1	119
17	The Lack of Broad-Line Regions in Low Accretion Rate Active Galactic Nuclei as Evidence of Their Origin in the Accretion Disk. Astrophysical Journal, 2003, 589, L13-L16.	1.6	109
18	RapidNHchanges in NGC 4151. Monthly Notices of the Royal Astronomical Society, 2007, 377, 607-616.	1.6	93

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19	WEBT and XMM-Newton observations of 3C 454.3 during the post-outburst phase. Astronomy and Astrophysics, 2007, 473, 819-827.	2.1	88
20	The Athena X-ray Integral Field Unit (X-IFU). Proceedings of SPIE, 2016, , .	0.8	88
21	NuSTARcatches the unveiling nucleus of NGC 1068. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 456, L94-L98.	1.2	85
22	A new activity phase of the blazar 3C 454.3. Astronomy and Astrophysics, 2008, 491, 755-766.	2.1	85
23	A swan song: the disappearance of the nucleus of NGC 4051 and the echo of its past glory. Monthly Notices of the Royal Astronomical Society, 1998, 301, L1-L4.	1.6	84
24	THE LINK BETWEEN THE HIDDEN BROAD LINE REGION AND THE ACCRETION RATE IN SEYFERT 2 GALAXIES. Astrophysical Journal, 2012, 748, 130.	1.6	84
25	Ionized Absorbers in Active Galactic Nuclei: The Role of Collisional Ionization and Timeâ€evolving Photoionization. Astrophysical Journal, 1999, 512, 184-196.	1.6	83
26	The far-ultraviolet signature of the â€˜missingâ€™ baryons in the Local Group of galaxies. Nature, 2003, 421, 719-721.	13.7	82
27	Probing the Local Group Medium toward Markarian 421 withChandraand theFar Ultraviolet Spectroscopic Explorer. Astrophysical Journal, 2005, 631, 856-867.	1.6	82
28	Warmâ€Hot Gas in and around the Milky Way: Detection and Implications of OviiAbsorption toward LMC Xâ€3. Astrophysical Journal, 2005, 635, 386-395.	1.6	78
29	Spectroscopic identification of ten faint hard X-ray sources discovered by Chandra. New Astronomy, 2000, 5, 143-153.	0.8	75
30	Feâ€ƒxxv and Feâ€ƒxxvi lines from low-velocity, photoionized gas in the X-ray spectra of active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2005, 357, 599-607.	1.6	71
31	Resonant Absorption in the Active Galactic Nucleus Spectra Emerging from Photoionized Gas: Differences between Steep and Flat Ionizing Continua. Astrophysical Journal, 1999, 517, 108-122.	1.6	71
32	Testing Comptonizing Coronae on a LongBEPPOSAXObservation of the Seyfert 1 Galaxy NGC 5548. Astrophysical Journal, 2000, 540, 131-142.	1.6	66
33	GASP. III. JO36: A Case of Multiple Environmental Effects at Play?. Astrophysical Journal, 2017, 848, 132.	1.6	66
34	The WISSH quasars project. Astronomy and Astrophysics, 2017, 608, A51.	2.1	66
35	A broad-line region origin for the iron KÎ± line in NGC 7213. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 389, L52-L56.	1.2	60
36	ChandraStudy of an Overdensity of Xâ€Ray Sources around Two Distant (zâ€‰â‰ˆâ€‰0.5) Clusters. Astrophysical Journal, 2001, 548, 624-638.	1.6	59

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37	Missing Baryons and the Warm-Hot Intergalactic Medium. Science, 2008, 319, 55-57.	6.0	56
38	THE PROMPT, HIGH-RESOLUTION SPECTROSCOPIC VIEW OF THE â€œNAKED-EYEâ€•GRB080319B. Astrophysical Journal, 2009, 694, 332-338.	1.6	55
39	The complex iron line of NGC 5506. Astronomy and Astrophysics, 2001, 377, L31-L34.	2.1	50
40	The Xâ€Rayâ€“faint Emission of the Supermassive Nuclear Black Hole of IC 1459. Astrophysical Journal, 2003, 588, 175-185.	1.6	50
41	Opacity Variations in the Ionized Absorption in NGC 3783: A Compact Absorber. Astrophysical Journal, 2005, 622, 842-846.	1.6	50
42	The Ionized Nuclear Environment in NGC 985 as seen byChandraandBeppoSAX. Astrophysical Journal, 2005, 620, 165-182.	1.6	49
43	A Long Observation of NGC 5548 byBeppoSAX: The Highâ€Energy Cutoff, Intrinsic Spectral Variability, and a Truly Warm Absorber. Astrophysical Journal, 2000, 536, 718-728.	1.6	47
44	A DISTANT ECHO OF MILKY WAY CENTRAL ACTIVITY CLOSES THE GALAXYâ€™s BARYON CENSUS. Astrophysical Journal Letters, 2016, 828, L12.	3.0	47
45	The nature of the unresolved extragalactic cosmic soft X-ray background. Monthly Notices of the Royal Astronomical Society, 2012, 427, 651-663.	1.6	44
46	ChandraandFar Ultraviolet Spectroscopic ExplorerObservations ofzâˆ¼ 0 Warmâ€“Hot Gas toward PKS 2155â˜304. Astrophysical Journal, 2007, 665, 247-256.	1.6	41
47	WITNESSING THE KEY EARLY PHASE OF QUASAR EVOLUTION: AN OBSCURED ACTIVE GALACTIC NUCLEUS PAIR IN THE INTERACTING GALAXY IRAS 20210+1121. Astrophysical Journal Letters, 2010, 722, L147-L151.	3.0	41
48	X-ray detection of warm ionized matter in the Galactic halo. Monthly Notices of the Royal Astronomical Society, 2016, 457, 676-694.	1.6	39
49	The Variability Properties of Xâ€Rayâ€“steep and Xâ€Rayâ€“flat Quasars. Astrophysical Journal, 1998, 503, 607-616.	1.6	38
50	STUDYING THE WARM HOT INTERGALACTIC MEDIUM WITH GAMMA-RAY BURSTS. Astrophysical Journal, 2009, 697, 328-344.	1.6	38
51	STUDYING THE WHIM CONTENT OF LARGE-SCALE STRUCTURES ALONG THE LINE OF SIGHT TO H 2356-309. Astrophysical Journal, 2010, 717, 74-84.	1.6	38
52	A decade of warm hot intergalactic medium searches: Where do we stand and where do we go?. Astronomische Nachrichten, 2017, 338, 281-286.	0.6	37
53	The Changing-look Quasar Mrk 590 Is Awakening. Astrophysical Journal, 2018, 866, 123.	1.6	36
54	DISCOVERY OF RELATIVISTIC OUTFLOW IN THE SEYFERT GALAXY Ark 564. Astrophysical Journal, 2013, 772, 66.	1.6	35

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55	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
56	The abundance and physical properties of Oâ€‰vii and Oâ€‰viii X-ray absorption systems in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2947-2969.	1.6	33
57	Discovery of a Very Hot Phase of the Milky Way Circumgalactic Medium with Non-solar Abundance Ratios. Astrophysical Journal Letters, 2019, 882, L23.	3.0	32
58	BeppoSAX observations of Narrow-Line Seyfert 1 galaxies. Astronomy and Astrophysics, 2001, 365, 400-408.	2.1	30
59	Flux and spectral variations in the Circinus Galaxy. Astronomy and Astrophysics, 2002, 396, 793-799.	2.1	30
60	Xâ€Ray Arc Structures inChandraImages of NGC 5128 (Centaurus A). Astrophysical Journal, 2002, 577, 114-119.	1.6	30
61	ChandraDetection of Local Warmâ€Hot Gas toward Markarian 279. Astrophysical Journal, 2006, 645, 179-185.	1.6	30
62	The BeppoSAX broad-band spectrum and variability of the Seyfert 1 NGC 3783. Astronomy and Astrophysics, 2002, 387, 838-849.	2.1	29
63	Probing the complex environments of GRB host galaxies and intervening systems: high resolution spectroscopy of GRB050922C. Astronomy and Astrophysics, 2008, 492, 775-785.	2.1	29
64	THE TWO-PHASE, TWO-VELOCITY IONIZED ABSORBER IN THE SEYFERT 1 GALAXY NGC 5548. Astrophysical Journal, 2010, 711, 888-906.	1.6	28
65	An XMM-Newton view of the â€˜bareâ€™ nucleus of Fairallâ€ƒ9â€…... Monthly Notices of the Royal Astronomical Society, 2011, 415, 1895-1906.	1.6	28
66	The Weak Absorbing Outflow in AGN Mrk 279: Evidence of Supersolar Metal Abundances. Astrophysical Journal, 2007, 666, 828-834.	1.6	27
67	Multiple Temperature Components of the Hot Circumgalactic Medium of the Milky Way. Astrophysical Journal, 2019, 887, 257.	1.6	27
68	Solar UV-B/A radiation is highly effective in inactivating SARS-CoV-2. Scientific Reports, 2021, 11, 14805.	1.6	27
69	XMM-Newton View of the z > 0 Warm-Hot Intergalactic Medium toward Markarian 421. Astrophysical Journal, 2006, 642, L95-L98.	1.6	25
70	XMM-NEWTONVIEW OF THE MULTIPHASE WARM ABSORBER IN SEYFERT 1 GALAXY NGC 985. Astrophysical Journal, 2009, 690, 773-782.	1.6	25
71	Supersolar Metallicity in the NLS1 Galaxy Markarian 1044. Astrophysical Journal, 2005, 634, 928-938.	1.6	24
72	BeppoSAX observations of Mrk 841 and Mrk 335. Astronomy and Astrophysics, 2001, 376, 77-84.	2.1	24

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73	XMM-NEWTONANDFUSETENTATIVE EVIDENCE FOR A WHIM FILAMENT ALONG THE LINE OF SIGHT TO PKS 0558-504. Astrophysical Journal, 2010, 715, 854-865.	1.6	23
74	A View of PKS 2155â"304 withXMMâ€NewtonReflection Grating Spectrometers. Astrophysical Journal, 2004, 603, 449-455.	1.6	22
75	The XMM-Newton view of IRAS 09104+4109: evidence for a changing-look Type 2 quasar?. Astronomy and Astrophysics, 2007, 473, 85-89.	2.1	22
76	SUZAKUMONITORING OF THE SEYFERT 1 GALAXY NGC 5548: WARM ABSORBER LOCATION AND ITS IMPLICATION FOR COSMIC FEEDBACK. Astrophysical Journal, 2010, 710, 360-371.	1.6	22
77	SUZAKUMONITORING OF THE IRON K EMISSION LINE IN THE TYPE 1 ACTIVE GALACTIC NUCLEUS NGC 5548. Astrophysical Journal, 2010, 710, 1228-1238.	1.6	22
78	STUDYING THE WARM-HOT INTERGALACTIC MEDIUM IN EMISSION. Astrophysical Journal, 2011, 734, 91.	1.6	21
79	Diffuse low-ionization gas in the galactic halo casts doubts on z â‰ƒ 0.03 WHIM detections. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 458, L123-L127.	1.2	21
80	The Complex Xâ€Ray Absorbers of NGC 3516 Observed byBEPPOSAX. Astrophysical Journal, 2000, 544, 283-292.	1.6	20
81	EDGE: Explorer of diffuse emission and gamma-ray burst explosions. Experimental Astronomy, 2009, 23, 67-89.	1.6	19
82	Hard X-ray spectral variability of the brightest Seyfert AGN in theSwift/BAT sample. Astronomy and Astrophysics, 2012, 537, A87.	2.1	19
83	Synchrotron emission from the blazar PG 1553+113. An analysis of its flux and polarization variability. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3762-3774.	1.6	19
84	Evidence for a Massive Warmâ€"Hot Circumgalactic Medium around NGC 3221. Astrophysical Journal, 2019, 885, 108.	1.6	19
85	The XMM-Newton/INTEGRAL monitoring campaign of IGRÂJ16318-4848. Astronomy and Astrophysics, 2007, 465, 501-507.	2.1	18
86	Supervirial Temperature or Neon Overabundance? Suzaku Observations of the Milky Way Circumgalactic Medium. Astrophysical Journal, 2021, 909, 164.	1.6	17
87	Probing the Warm Intergalactic Medium through Absorption against Gamma-Ray Burst X-Ray Afterglows. Astrophysical Journal, 2000, 544, L7-L10.	1.6	17
88	BeppoSAXObservations of the Maser Seyfert 2 Galaxy ESO 103â€G35. Astrophysical Journal, 2001, 549, 248-253.	1.6	16
89	Energy Distribution of Individual Quasars from Farâ€Ultraviolet to Xâ€Rays. I. Intrinsic Ultraviolet Hardness and Dust Opacities. Astrophysical Journal, 2007, 662, 145-165.	1.6	15
90	The importance of special relativistic effects in modelling ultra-fast outflows. Astronomy and Astrophysics, 2020, 633, A55.	2.1	15

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91	Detection of a Multiphase Ultrafast Wind in the Narrow-line Seyfert 1 Galaxy Mrk 1044. Astrophysical Journal, 2021, 917, 39.	1.6	15
92	Longâ€Term Xâ€Ray Spectral Variability of the Nucleus of M81. Astrophysical Journal, 2004, 601, 831-844.	1.6	14
93	A TWO-PHASE LOW-VELOCITY OUTFLOW IN THE SEYFERT 1 GALAXY Ark 564. Astrophysical Journal, 2013, 768, 141.	1.6	14
94	ChandraObservation of 3C 212: A New Look at the Xâ€Ray and Ultraviolet Absorbers. Astrophysical Journal, 2003, 597, 751-758.	1.6	13
95	The properties of the circumnuclear regions in the Circinus galaxy. Astronomy and Astrophysics, 2006, 455, 153-159.	2.1	13
96	Supersolar N/C in the Narrowâ€Line Seyfert 1 Galaxy Markarian 1044. Astrophysical Journal, 2005, 620, 183-190.	1.6	12
97	Speed limits for radiation-driven SMBH winds. Astronomy and Astrophysics, 2021, 646, A111.	2.1	12
98	Suzakuobservation of the Phoenix galaxy. Astronomy and Astrophysics, 2009, 496, 653-658.	2.1	12
99	A BeppoSAX observation of MKN6. Astronomy and Astrophysics, 2003, 406, 105-109.	2.1	11
100	Rapid NH changes in NGC 4151. Nuclear Physics, Section B, Proceedings Supplements, 2004, 132, 225-228.	0.5	11
101	XMM-Newton long-look observation of the narrow line SeyfertÂ1 galaxy PKSÂ0558-504. Astronomy and Astrophysics, 2010, 510, A65.	2.1	11
102	AN X-RAY WHIM METAL ABSORBER FROM A Mpc-SCALE EMPTY REGION OF SPACE. Astrophysical Journal, 2012, 753, 137.	1.6	11
103	X-ray spectral analysis of the low-luminosity active galactic nucleus NGC 7213 using long XMMâ€“Newton observationsâ˜…. Monthly Notices of the Royal Astronomical Society, 2013, 429, 3439-3448.	1.6	11
104	ROSATBlank Field Sources. I. Sample Selection and Archival Data. Astrophysical Journal, 2002, 579, 148-168.	1.6	10
105	A DETAILED ANALYSIS OF THE HIGH-RESOLUTION X-RAY SPECTRA OF NGC 3516: VARIABILITY OF THE IONIZED ABSORBERS. Astrophysical Journal, 2014, 793, 61.	1.6	9
106	Forcing Seasonality of Influenza-like Epidemics with Daily Solar Resonance. IScience, 2020, 23, 101605.	1.9	9
107	The Equilibrium Photoionized Absorber in 3C 351. Astrophysical Journal, 1999, 512, 136-139.	1.6	9
108	Deep X-ray spectroscopy and imaging of the Seyfert 2 galaxy, ESO 138-G001. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2155-2162.	1.6	8

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109	The X-ray absorber of PKSâ€‰2126-158. Astronomy and Astrophysics, 2003, 409, 57-64.	2.1	8
110	Broad band spectral properties of Seyfert 1 galaxies observed with BeppoSAX. Advances in Space Research, 2000, 25, 453-457.	1.2	7
111	Measured cosmological mass density in the WHIM: The solution to the â€˜Missing Baryonsâ€™ problem. Advances in Space Research, 2005, 36, 721-726.	1.2	7
112	Probing the Hot Circumgalactic Medium with Broad O vi and X-Rays. Astrophysical Journal, 2021, 908, 69.	1.6	7
113	Empirical estimates of the Galactic halo contribution to the dispersion measures of extragalactic fast radio bursts using X-ray absorption. Monthly Notices of the Royal Astronomical Society, 2020, 500, 655-662.	1.6	7
114	On the nature of the z=0 X-ray absorbers: I.ÂClues ÂfromÂanÂexternal group. Astrophysics and Space Science, 2008, 315, 93-98.	0.5	6
115	INVESTIGATING THE COMPLEX X-RAY SPECTRUM OF A BROAD-LINE 2MASS RED QUASAR:XMM-NEWTONOBSERVATION OF FTM 0830+3759. Astrophysical Journal, 2010, 710, 992-1002.	1.6	6
116	ASPITZER-MIPS SEARCH FOR DUST IN COMPACT HIGH-VELOCITY H I CLOUDS. Astronomical Journal, 2012, 143, 82.	1.9	6
117	ORIGIN: metal creation and evolution from the cosmic dawn. Experimental Astronomy, 2012, 34, 519-549.	1.6	6
118	The O vi Mystery: Mismatch between X-Ray and UV Column Densities. Astrophysical Journal Letters, 2017, 851, L7.	3.0	6
119	ESTREMO/WFXRT: Extreme phySics in the TRansient and Evolving COsmos. , 2006, , .		5
120	EDGE: explorer of diffuse emission and gamma-ray burst explosions. , 2007, , .		5
121	The Voyage of Metals in the Universe from Cosmological to Planetary Scales: the need for a Very High-Resolution, High Throughput Soft X-ray Spectrometer. Experimental Astronomy, 2021, 51, 1013-1041.	1.6	5
122	UV Counterpart of an X-Ray Ultrafast Outflow in IRAS 17020+4544. Astrophysical Journal, 2022, 930, 166.	1.6	5
123	XMM-Newton observations of absorption features towards PKS 2155â^'304. New Astronomy Reviews, 2003, 47, 561-563.	5.2	4
124	The Plasma Universe: A Coherent Science Theme for Voyage 2050. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	4
125	First detection of WHIM filaments at cosmological distances. Proceedings of the International Astronomical Union, 2004, 2004, .	0.0	3
126	XMM-NEWTONOBSERVATIONS OF THREE INTERACTING LUMINOUS INFRARED GALAXIES. Astrophysical Journal, 2014, 787, 40.	1.6	3

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127	A high signal-to-noise HST spectrum towards J1009+0713: precise absorption measurements in the CGM of two galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 78-98.	1.6	3
128	AGN Feedback: Does it Work?. , 2009, , .		2
129	Hubble Space Telescope observations of BALQSO Ton 34 reveal a connection between the broad-line region and the BAL outflow. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3607-3614.	1.6	2
130	Ubiquitous Column Density Variability in Seyfert 2 Galaxies. Publications of the Astronomical Society of Australia, 2002, 19, 155-157.	1.3	1
131	A Light and Effective Wide Field Monitor for Gamma Ray Bursts and Transient Sources. , 2009, , .		1
132	Concept for an innovative wide-field camera for x-ray astronomy. Proceedings of SPIE, 2010, , .	0.8	1
133	Modelling the variable broad-band optical/UV/X-ray spectrum of PG1211+143: implications for the ionized outflow. Astronomy and Astrophysics, 2016, 591, A102.	2.1	1
134	X-Ray Sources in the 1.75 Ms Ultra Narrow Deep Field Observed by XMM-Newton. Astrophysical Journal, 2021, 919, 18.	1.6	1
135	Spectroscopic X-ray classification of AGNs. Astronomische Nachrichten, 2003, 324, 152-152.	0.6	0
136	A Chandra View of the Multi-scale Structures in Centaurus A. Symposium - International Astronomical Union, 2003, 214, 289-292.	0.1	0
137	Chandra and FUSE View of the WHIM: the Local Group and Beyond. Symposium - International Astronomical Union, 2005, 216, 297-305.	0.1	0
138	Diagnostics on the Location and Structure of Seyfert Warm Absorbers. , 2005, , .		0
139	The Thin and Compact Xâ€Ray Wind of NGC 4051. , 2007, , .		0
140	Lost Baryons at Low Redshift. Proceedings of the International Astronomical Union, 2007, 3, 35-43.	0.0	0
141	GRB080319B: a high resolution spectroscopic view. , 2008, , .		0
142	High Resolution Spectroscopy of Gamma-Ray Burst Afterglows. , 2009, , .		0
143	Probing the complex environments of GRB host galaxies and intervening systems: high resolution spectroscopy of GRB050922C. , 2009, , .		0
144	A concept for a lightweight, low-power and sensitive Silicon-based All Sky Monitor for transient sources and Gamma Ray Bursts. , 2010, , .		0