

Mauro Orlandini

List of Publications by Year in descending order

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91
papers

3,636
citations

201674

27
h-index

133252

59
g-index

92
all docs

92
docs citations

92
times ranked

2724
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of an X-ray afterglow associated with the $\hat{\Gamma}^3$ -ray burst of 28 February 1997. <i>Nature</i> , 1997, 387, 783-785.	27.8	852
2	The Large Observatory for X-ray Timing (LOFT). <i>Experimental Astronomy</i> , 2012, 34, 415-444.	3.7	168
3	Prompt and Delayed Emission Properties of Gamma-Ray Bursts Observed with BeppoSAX. <i>Astrophysical Journal, Supplement Series</i> , 2000, 127, 59-78.	7.7	158
4	Discovery of a Transient Absorption Edge in the X-ray Spectrum of GRB 990705. <i>Science</i> , 2000, 290, 953-955.	12.6	140
5	The THESEUS space mission concept: science case, design and expected performances. <i>Advances in Space Research</i> , 2018, 62, 191-244.	2.6	133
6	BeppoSAX Observations of GRB 980425: Detection of the Prompt Event and Monitoring of the Error Box. <i>Astrophysical Journal</i> , 2000, 536, 778-787.	4.5	123
7	eXTP: Enhanced X-ray Timing and Polarization mission. <i>Proceedings of SPIE</i> , 2016, , .	0.8	106
8	Confirmation of Nonthermal Hard X-Ray Excess in the Coma Cluster from Two Epoch Observations. <i>Astrophysical Journal</i> , 2004, 602, L73-L76.	4.5	100
9	A [CSC][ITAL]BeppoSAX[/ITAL][CSC] Study of the Pulsating Transient X0115+63: The First X-Ray Spectrum with Four Cyclotron Harmonic Features. <i>Astrophysical Journal</i> , 1999, 523, L85-L88.	4.5	98
10	Broadband Spectrum of Cygnus X-1 in Two Spectral States with BeppoSAX. <i>Astrophysical Journal</i> , 2001, 546, 1027-1037.	4.5	94
11	The Cosmic X-Ray Background and the Population of the Most Heavily Obscured AGNs. <i>Astrophysical Journal</i> , 2007, 666, 86-95.	4.5	73
12	A Giant Outburst from SGR 1900+14 Observed with the [ITAL]BeppoSAX[/ITAL] Gamma-Ray Burst Monitor. <i>Astrophysical Journal</i> , 1999, 515, L9-L12.	4.5	72
13	The Quiescent X-Ray Emission of Three Transient X-Ray Pulsars. <i>Astrophysical Journal</i> , 2002, 580, 389-393.	4.5	72
14	[ITAL]BeppoSAX[/ITAL] Observation of 4U 1626-67: Discovery of an Absorption Cyclotron Resonance Feature. <i>Astrophysical Journal</i> , 1998, 500, L163-L166.	4.5	72
15	The Transient X-Ray Pulsar 4U 0115+63 from Quiescence to Outburst through the Centrifugal Transition. <i>Astrophysical Journal</i> , 2001, 561, 924-929.	4.5	63
16	The Zoo of X-Ray Sources in the Galactic Center Region: Observations with BeppoSAX. <i>Astrophysical Journal</i> , 1999, 525, 215-227.	4.5	62
17	M-type giants as optical counterparts of X-ray sources 4U 1700+24 and 4U 1954+319. <i>Astronomy and Astrophysics</i> , 2006, 453, 295-299.	5.1	61
18	THE GAMMA-RAY BURST CATALOG OBTAINED WITH THE GAMMA-RAY BURST MONITOR ABOARD BeppoSAX. <i>Astrophysical Journal, Supplement Series</i> , 2009, 180, 192-223.	7.7	61

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19	A Measurement of the Broadband Spectrum of XTE J1118+480 with BeppoSAX and Its Astrophysical Implications. <i>Astrophysical Journal</i> , 2001, 561, 1006-1015.	4.5	55
20	Observatory science with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	50
21	Spectral Properties of the Prompt X-ray Emission and Afterglow from the Gamma-Ray Burst of 1997 February 28. <i>Astrophysical Journal</i> , 1998, 493, L67-L70.	4.5	49
22	<title>In-flight performances of the BeppoSAX gamma-ray burst monitor</title>. , 1997, , .		42
23	Hard X-Ray Emission from the Galaxy Cluster A3667. <i>Astrophysical Journal</i> , 2001, 552, L97-L100.	4.5	40
24	A study of an orbital cycle of GX 301â€² observed by BeppoSAX. <i>Astronomy and Astrophysics</i> , 2005, 438, 617-632.	5.1	38
25	<i>BeppoSAX</i> OBSERVATIONS OF THE X-RAY PULSAR MAXI J1409â€²619 IN LOW STATE: DISCOVERY OF CYCLOTRON RESONANCE FEATURES. <i>Astrophysical Journal</i> , 2012, 748, 86.	4.5	34
26	Prompt and Afterglow Emission from the Xâ€²Rayâ€² Rich GRB 981226 Observed with BeppoSAX. <i>Astrophysical Journal</i> , 2000, 540, 697-703.	4.5	33
27	Nonthermal Hard X-Ray Excess in the Coma Cluster: Resolving the Discrepancy between the Results of Different PDS Data Analyses. <i>Astrophysical Journal</i> , 2007, 654, L9-L12.	4.5	32
28	LOFT: the Large Observatory For X-ray Timing. <i>Proceedings of SPIE</i> , 2012, , .	0.8	29
29	A look with BeppoSAX at the low-luminosity Galactic X-ray source 4Uâ²2206+54. <i>Astronomy and Astrophysics</i> , 2004, 423, 311-319.	5.1	27
30	<title>PDS experiment on board the BeppoSAX satellite: design and in-flight performance results</title>. , 1997, , .		26
31	Confirmation of the Presence of Nonthermal Hard X-Ray Excess in the Cluster A2256 from Two Epoch Observations. <i>Astrophysical Journal</i> , 2005, 624, L69-L72.	4.5	26
32	X-ray broad-band study of the symbiotic X-ray binary 4Uâ²1954+31. <i>Astronomy and Astrophysics</i> , 2007, 464, 277-287.	5.1	26
33	Average power density spectrum of Swift long gamma-ray bursts in the observer and in the source-rest frames. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1785-1803.	4.4	26
34	Comparative study of the two large flares from SGR1900+14 with the BeppoSAX Gamma-Ray Burst Monitor. <i>Astronomy and Astrophysics</i> , 2004, 416, 297-310.	5.1	26
35	[CSC] [ITAL]BeppoSAX[/ITAL] [/CSC] and [ITAL]Chandra[/ITAL] Observations of SAX J0103.2â²7209 = 2E 0101.5â²7225: A New Persistent 345 Second X-Ray Pulsar in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 2000, 531, L131-L134.	4.5	25
36	Spectral and Temporal Behavior of the Black Hole Candidate XTE J1118+480 as Observed with BeppoSAX. <i>Astrophysical Journal</i> , 2003, 592, 1110-1118.	4.5	25

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37	The Prompt Emission of GRB 990712 with [ITAL]B[/ITAL] [CSC] [ITAL]epo[/ITAL] [CSC] [ITAL]SAX[/ITAL]: Evidence of a Transient X-Ray Emission Feature. <i>Astrophysical Journal</i> , 2001, 550, L47-L51.	4.5	24
38	X-ray/optical observations of A0535+26/HDE 245770 in quiescence. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004, 132, 476-485.	0.4	24
39	INTERPLANETARY NETWORK LOCALIZATIONS OF KONUS SHORT GAMMA-RAY BURSTS. <i>Astrophysical Journal, Supplement Series</i> , 2013, 207, 38.	7.7	23
40	The Gamma-Ray Bursts Monitor onboard SAX. <i>Advances in Space Research</i> , 1998, 22, 1129-1132.	2.6	21
41	A search for prompt γ -ray counterparts to fast radio bursts in the Insight-HXMT data. <i>Astronomy and Astrophysics</i> , 2020, 637, A69.	5.1	20
42	The broad band spectral properties of binary X-ray pulsars. <i>Advances in Space Research</i> , 2000, 25, 399-408.	2.6	19
43	A Compton reflection dominated spectrum in a peculiar accreting neutron star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 364, 1229-1238.	4.4	19
44	Spectral catalogue of bright gamma-ray bursts detected with the <i>BeppoSAX</i> /GRBM. <i>Astronomy and Astrophysics</i> , 2011, 526, A49.	5.1	18
45	Third Interplanetary Network Localization, Time History, Fluence, Peak Flux, and Distance Lower Limit of the 1997 February 28 Gamma-Ray Burst. <i>Astrophysical Journal</i> , 1997, 485, L1-L3.	4.5	18
46	The radiation environment in a low earth orbit: the case of <i>BeppoSAX</i> . <i>Experimental Astronomy</i> , 2014, 37, 599-613.	3.7	17
47	Physics and astrophysics of strong magnetic field systems with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	17
48	The Prompt X-ray Emission of GRB 011211: Possible Evidence of a Transient Absorption Feature. <i>Astrophysical Journal</i> , 2004, 616, 1078-1085.	4.5	16
49	The <i>BeppoSAX</i> view of the galactic high-mass X-ray binary 4U 0114+65. <i>Astronomy and Astrophysics</i> , 2006, 445, 653-660.	5.1	16
50	XIPE: the x-ray imaging polarimetry explorer. , 2016, , .		16
51	A cumulative search for hard X/ γ -ray emission associated with fast radio bursts in <i>Fermi</i> /GBM data. <i>Astronomy and Astrophysics</i> , 2019, 631, A62.	5.1	16
52	The puzzling case of GRB 990123: multiwavelength afterglow study. <i>Astronomy and Astrophysics</i> , 2005, 438, 821-827.	5.1	16
53	A Decreasing Column Density during the Prompt Emission from GRB 000528 Observed with <i>BeppoSAX</i> . <i>Astrophysical Journal</i> , 2004, 614, 301-308.	4.5	16
54	A large area detector proposed for the Large Observatory for X-ray Timing (LOFT). , 2012, , .		15

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55	<title>BeppoSAX GRBM on-ground calibration data analysis</title>., 1997, , .		13
56	A Search for Gamma-Ray Prompt Emission Associated with the Lorimer Burst FRB 010724. Astrophysical Journal, 2019, 882, 100.	4.5	13
57	Integrating theBeppoSAXGammaâ€Ray Burst Monitor into the Third Interplanetary Network. Astrophysical Journal, 2000, 534, 258-264.	4.5	11
58	SUPERMODEL ANALYSIS OF THE HARD X-RAY EXCESS IN THE COMA CLUSTER. Astrophysical Journal, 2011, 732, 85.	4.5	10
59	The Large Observatory for x-ray timing. Proceedings of SPIE, 2014, , .	0.8	10
60	BeppoSAX observations of an orbital cycle of the X-ray binary pulsar GX 301-2. Advances in Space Research, 2000, 25, 417-420.	2.6	9
61	Hard X-ray tails and cyclotron features in X-ray pulsars. AIP Conference Proceedings, 2001, , .	0.4	9
62	Broad-band spectral properties of accreting X-ray binary pulsars. Advances in Space Research, 2006, 38, 2742-2746.	2.6	9
63	Spectral evolution of the X-ray nova XTEÂ1859+226 during its outburst observed by BeppoSAX and RXTE. Monthly Notices of the Royal Astronomical Society, 2013, 428, 3295-3305.	4.4	9
64	Scientific prospects in soft gamma-ray astronomy enabled by the LAUE project. , 2013, , .		9
65	The LOFT mission concept: a status update. Proceedings of SPIE, 2016, , .	0.8	9
66	Constraining the transient high-energy activity of FRB 180916.J0158+65 with Insightâ€HXMT follow-up observations. Astronomy and Astrophysics, 2020, 642, A160.	5.1	9
67	Comparison between the Fermi normal and the transverse traceless co-ordinate system. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1986, 91, 236-240.	0.2	8
68	The gamma-ray burst monitor for Lobster-ISS. Advances in Space Research, 2006, 38, 1333-1337.	2.6	6
69	<title>Gamma-ray burst monitor on board BeppoSAX: the Monte Carlo simulation for the response matrix</title>., 1997, 3114, 198.		5
70	Serpens X-1 observed byINTEGRAL. Astronomy and Astrophysics, 2004, 423, 651-656.	5.1	5
71	The large area detector of LOFT: the Large Observatory for X-ray Timing. , 2014, , .		5
72	Red-skewed K<i>Î±</i> iron lines in GX 13+1. Astronomy and Astrophysics, 2019, 625, A8.	5.1	4

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73	On the Observability of Microsecond Temporal Structure in the Emission from X-Ray Binary Pulsars. <i>Astrophysical Journal</i> , 1993, 419, 776.	4.5	4
74	X-ray reprocessing in accreting pulsar GX 301-2 observed with Insight-HXMT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 2522-2530.	4.4	4
75	Testing Comptonization as the Origin of the Continuum in Nonmagnetic Cataclysmic Variables: The Photon Index of X-Ray Emission. <i>Astrophysical Journal</i> , 2020, 900, 153.	4.5	4
76	Phase-dependent Evolution within the Large Luminosity Range of 1A 0535+262 Observed by Insight-HXMT during 2020 Giant Outburst. <i>Astrophysical Journal</i> , 2022, 932, 106.	4.5	4
77	Temperature measurement during thermonuclear X-ray bursts with BeppoSAX. <i>New Astronomy</i> , 2016, 45, 48-53.	1.8	3
78	Disc versus wind accretion in X-ray pulsar GX 301-2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2493-2500.	4.4	3
79	Comptonization as an Origin of the Continuum in Intermediate Polars. <i>Astrophysical Journal</i> , 2021, 911, 80.	4.5	3
80	On the power spectra of the wind-fed X-ray binary pulsar GX 301 - 2. <i>Astrophysical Journal</i> , 1992, 386, 703.	4.5	3
81	Cyclotron lines in X-ray pulsars as a probe of relativistic plasmas in superstrong magnetic fields. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	1
82	A Light and Effective Wide Field Monitor for Gamma Ray Bursts and Transient Sources. , 2009, , .		1
83	Concept for an innovative wide-field camera for x-ray astronomy. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
84	The wide field monitor and spectrometer instrument on board the ASTENA satellite mission concept. , 2018, , .		1
85	Some astrophysical consequences due to the existence of magnetic monopoles. <i>Acta Physica Hungarica</i> , 1988, 64, 339-351.	0.1	0
86	Microsecond temporal structure from x-ray binary pulsars: Observability with XTE. <i>AIP Conference Proceedings</i> , 1994, , .	0.4	0
87	BeppoSAX spectra of five low mass X-ray binaries. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	0
88	Searching for serendipitous sources at high galactic latitudes with BeppoSAX/PDS. <i>Advances in Space Research</i> , 2006, 38, 1425-1430.	2.6	0
89	The Cosmic X-ray Background at the peak of its emission: new results and implications. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
90	A concept for a lightweight, low-power and sensitive Silicon-based All Sky Monitor for transient sources and Gamma Ray Bursts. , 2010, , .		0

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91	INTEGRAL and XMM-Newton study of the SFXT IGR J18483-0311 in quiescence: hint of a cyclotron emission feature?. , 2011, , .		0