Andrea Melandri

List of Publications by Year
in descending order

139 papers	8,677 citations	36303 51 h-index	45317 90 g-index
139 all docs	139 docs citations	139 times ranked	5796 citing authors

#	Article	IF	Citations
1	Spectroscopic identification of r-process nucleosynthesis in a double neutron-star merger. Nature, 2017, 551, 67-70.	27.8	715
2	The Emergence of a Lanthanide-rich Kilonova Following the Merger of Two Neutron Stars. Astrophysical Journal Letters, 2017, 848, L27.	8.3	507
3	Broadband observations of the naked-eye Î³-ray burst GRBâ€‰080319B. Nature, 2008, 455, 183-188.	27.8	449
4	Relativistic jet activity from the tidal disruption of a star by a massive black hole. Nature, 2011, 476, 421-424.	27.8	442
5	Swift and NuSTAR observations of GW170817: Detection of a blue kilonova. Science, 2017, 358, 1565-1570.	12.6	399
6	An origin for short Î³-ray bursts unassociated with current star formation. Nature, 2005, 438, 994-996.	27.8	287
7	Compact radio emission indicates a structured jet was produced by a binary neutron star merger. Science, 2019, 363, 968-971.	12.6	272
8	A COMPLETE SAMPLE OF BRIGHTSWIFTLONG GAMMA-RAY BURSTS. I. SAMPLE PRESENTATION, LUMINOSITY FUNCTION AND EVOLUTION. Astrophysical Journal, 2012, 749, 68.	4.5	198
9	The evolution of the X-ray afterglow emission of GW 170817/ GRB 170817A in XMM-Newton observations. Astronomy and Astrophysics, 2018, 613, L1.	5.1	150
10	Observation of inverse Compton emission from a long Î³-ray burst. Nature, 2019, 575, 459-463.	27.8	146
11	The THESEUS space mission concept: science case, design and expected performances. Advances in Space Research, 2018, 62, 191-244.	2.6	133
12	Gamma-ray bursts in the comoving frame. Monthly Notices of the Royal Astronomical Society, 2012, 420, 483-494.	4.4	131
13	A complete sample of brightSwiftlong gamma-ray bursts: testing the spectral-energy correlations. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1256-1264.	4.4	123
14	Highly polarized light from stable ordered magnetic fields in GRBâ€‰120308A. Nature, 2013, 504, 119-121.	27.8	108
15	GRB 130427A: A Nearby Ordinary Monster. Science, 2014, 343, 48-51.	12.6	105
16	A complete sample of bright Swift short gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2342-2356.	4.4	98
17	GRB 061121: Broadband Spectral Evolution through the Prompt and Afterglow Phases of a Bright Burst. Astrophysical Journal, 2007, 663, 1125-1138.	4.5	96
18	Short gamma-ray bursts at the dawn of the gravitational wave era. Astronomy and Astrophysics, 2016, 594, A84.	5.1	96

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19	Are long gamma-ray bursts biased tracers of star formation? Clues from the host galaxies of theSwift/BAT6 complete sample of LGRBs. Astronomy and Astrophysics, 2015, 581, A102.	5.1	95
20	GRBâ€‰050904 at redshiftÂ6.3: observations of the oldest cosmic explosion after the Big Bang. Astronomy and Astrophysics, 2005, 443, L1-L5.	5.1	94
21	The Early Detection and Follow-up of the Highly Obscured Type II Supernova 2016ija/DLT16am^{âˆ—}. Astrophysical Journal, 2018, 853, 62.	4.5	87
22	Dust extinctions for an unbiased sample of gamma-ray burst afterglows. Monthly Notices of the Royal Astronomical Society, 2013, 432, 1231-1244.	4.4	86
23	XRF 100316D/SN 2010bh AND THE NATURE OF GAMMA-RAY BURST SUPERNOVAE. Astrophysical Journal, 2011, 740, 41.	4.5	83
24	Hypernova Signatures in the Late Rebrightening of GRB 050525A. Astrophysical Journal, 2006, 642, L103-L106.	4.5	82
25	THE MOUSE THAT ROARED: A SUPERFLARE FROM THE dMe FLARE STAR EV LAC DETECTED BYSWIFTAND KONUS-WIND. Astrophysical Journal, 2010, 721, 785-801.	4.5	81
26	The Remarkable Afterglow of GRB 061007: Implications for Optical Flashes and GRB Fireballs. Astrophysical Journal, 2007, 660, 489-495.	4.5	80
27	Optical emission from GRBâ€‰050709: a short/hard GRB in a star-forming galaxy. Astronomy and Astrophysics, 2006, 447, L5-L8.	5.1	77
28	Bulk Lorentz factors of gamma-ray bursts. Astronomy and Astrophysics, 2018, 609, A112.	5.1	76
29	The unpolarized macronova associated with the gravitational wave event GW 170817. Nature Astronomy, 2017, 1, 791-794.	10.1	75
30	Multiwavelength Analysis of the Intriguing GRB 061126: The Reverse Shock Scenario and Magnetization. Astrophysical Journal, 2008, 687, 443-455.	4.5	72
31	A tale of two GRB-SNe at a common redshift of z=0.54. Monthly Notices of the Royal Astronomical Society, 2011, 413, 669-685.	4.4	72
32	Spectroscopy of the short-hard GRBâ€‰130603B. Astronomy and Astrophysics, 2014, 563, A62.	5.1	71
33	Early Optical Polarization of a Gamma-Ray Burst Afterglow. Science, 2007, 315, 1822-1824.	12.6	70
34	GRB 140206A: the most distant polarized gamma-ray burst. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2776-2782.	4.4	70
35	Observational constraints on the optical and near-infrared emission from the neutron starâ€“black hole binary merger candidate S190814bv. Astronomy and Astrophysics, 2020, 643, A113.	5.1	70
36	The X-ray absorbing column density of a complete sample of brightSwiftgamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1697-1702.	4.4	69

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37	NuSTAR OBSERVATIONS OF GRB 130427A ESTABLISH A SINGLE COMPONENT SYNCHROTRON AFTERGLOW ORIGIN FOR THE LATE OPTICAL TO MULTI-GEV EMISSION. Astrophysical Journal Letters, 2013, 779, L1.	8.3	69
38	GRB 091024A AND THE NATURE OF ULTRA-LONG GAMMA-RAY BURSTS. Astrophysical Journal, 2013, 778, 54.	4.5	69
39	The Earlyâ€Time Optical Properties of Gammaâ€Ray Burst Afterglows. Astrophysical Journal, 2008, 686, 1209-1230.	4.5	68
40	Prompt optical emission as a signature of synchrotron radiation in gamma-ray bursts. Astronomy and Astrophysics, 2019, 628, A59.	5.1	63
41	A trio of gamma-ray burst supernovae:. Astronomy and Astrophysics, 2014, 568, A19.	5.1	62
42	The rate and luminosity function of long gamma ray bursts. Astronomy and Astrophysics, 2016, 587, A40.	5.1	61
43	CONSTRAINING GAMMA-RAY BURST EMISSION PHYSICS WITH EXTENSIVE EARLY-TIME, MULTIBAND FOLLOW-UP. Astrophysical Journal, 2011, 743, 154.	4.5	59
44	Detection of GRB 060927 atz= 5.47: Implications for the Use of Gammaâ€Ray Bursts as Probes of the End of the Dark Ages. Astrophysical Journal, 2007, 669, 1-9.	4.5	56
45	The faster the narrower: characteristic bulk velocities and jet opening angles of gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1410-1423.	4.4	56
46	A complete sample of brightSwiftGamma-ray bursts: X-ray afterglow luminosity and its correlation with the prompt emission. Monthly Notices of the Royal Astronomical Society, 2012, 425, 506-513.	4.4	55
47	The dark bursts population in a complete sample of brightSwiftlong gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1265-1272.	4.4	53
48	Diversity of gamma-ray burst energetics vs. supernova homogeneity: SN 2013cq associated with GRB 130427A. Astronomy and Astrophysics, 2014, 567, A29.	5.1	53
49	Comparing the spectral lag of short and long gamma-ray bursts and its relation with the luminosity. Monthly Notices of the Royal Astronomical Society, 2015, 446, 1129-1138.	4.4	53
50	GRB 090313 AND THE ORIGIN OF OPTICAL PEAKS IN GAMMA-RAY BURST LIGHT CURVES: IMPLICATIONS FOR LORENTZ FACTORS AND RADIO FLARES. Astrophysical Journal, 2010, 723, 1331-1342.	4.5	52
51	Detailed optical and near-infrared polarimetry, spectroscopy and broad-band photometry of the afterglow of GRB 091018: polarization evolution. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2-22.	4.4	52
52	A comparison between short GRB afterglows and kilonova AT2017gfo: shedding light on kilonovae properties. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3379-3397.	4.4	52
53	The unusual gamma-ray burst GRB 101225A explained as a minor body falling onto a neutron star. Nature, 2011, 480, 69-71.	27.8	51
54	PHENOMENOLOGY OF REVERSE-SHOCK EMISSION IN THE OPTICAL AFTERGLOWS OF GAMMA-RAY BURSTS. Astrophysical Journal, 2014, 785, 84.	4.5	51

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55	Multicolor observations of the afterglow of the short/hard GRBâ€‰050724. Astronomy and Astrophysics, 2007, 473, 77-84.	5.1	50
56	GRB 070714Bâ€”DISCOVERY OF THE HIGHEST SPECTROSCOPICALLY CONFIRMED SHORT BURST REDSHIFT. Astrophysical Journal, 2009, 698, 1620-1629.	4.5	49
57	Evidence for the magnetar nature of 1EÂ161348â’5055 in RCWÂ103. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2394-2404.	4.4	49
58	Highâ€Quality Earlyâ€Time Light Curves of GRB 060206: Implications for Gammaâ€Ray Burst Environments and Energetics. Astrophysical Journal, 2006, 648, 1125-1131.	4.5	47
59	The X-shooter GRB afterglow legacy sample (XS-GRB). Astronomy and Astrophysics, 2019, 623, A92.	5.1	47
60	The optical SNâ€‰2012bz associated with the long GRBâ€‰120422A. Astronomy and Astrophysics, 2012, 547, A82.	5.1	45
61	SN 2013dx associated with GRBâ€‰130702A: a detailed photometric and spectroscopic monitoring and a study of the environment. Astronomy and Astrophysics, 2015, 577, A116.	5.1	45
62	Rise and fall of the X-ray flash 080330: an off-axis jet?. Astronomy and Astrophysics, 2009, 499, 439-453.	5.1	44
63	GRB 081007 AND GRB 090424: THE SURROUNDING MEDIUM, OUTFLOWS, AND SUPERNOVAE. Astrophysical Journal, 2013, 774, 114.	4.5	43
64	UVES/VLT high resolution spectroscopy of GRB 050730 afterglow: probing the features of the GRB environment. Astronomy and Astrophysics, 2007, 467, 629-639.	5.1	42
65	GRBâ€‰091127/SNâ€‰2009nz and the VLT/X-shooter spectroscopy ofÂitsÂhost galaxy: probing the faint end of the mass-metallicity relation. Astronomy and Astrophysics, 2011, 535, A127.	5.1	40
66	The extreme, red afterglow of GRB 060923A: distance or dust?. Monthly Notices of the Royal Astronomical Society, 2008, 388, 1743-1750.	4.4	39
67	HOW TO SWITCH A GAMMA-RAY BURST ON AND OFF THROUGH A MAGNETAR. Astrophysical Journal, 2013, 775, 67.	4.5	38
68	GRBâ€‰161219B/SNâ€‰2016jca: a powerful stellar collapse. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5824-5839.	4.4	37
69	The Peculiar Short-duration GRB 200826A and Its Supernova*. Astrophysical Journal, 2022, 932, 1.	4.5	37
70	GRB 090902B: AFTERGLOW OBSERVATIONS AND IMPLICATIONS. Astrophysical Journal, 2010, 714, 799-804.	4.5	36
71	GRB 171205A/SN 2017iuk: A local low-luminosity gamma-ray burst. Astronomy and Astrophysics, 2018, 619, A66.	5.1	36
72	Unveiling the population of orphanÎ³-ray bursts. Astronomy and Astrophysics, 2015, 578, A71.	5.1	35

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73	The prompt to late-time multiwavelength analysis of GRB 060210. Astronomy and Astrophysics, 2007, 467, 1049-1055.	5.1	33
74	A faint optical flash in dust-obscured GRB 080603A: implications for GRB prompt emission mechanisms. Monthly Notices of the Royal Astronomical Society, 2011, 417, 2124-2143.	4.4	32
75	Evidence for dust destruction from the early-time colour change of GRBÂ120119A. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1810-1823.	4.4	32
76	Swift-XRT follow-up of gravitational wave triggers during the third aLIGO/Virgo observing run. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3459-3480.	4.4	31
77	GRB Orphan Afterglows in Present and Future Radio Transient Surveys. Publications of the Astronomical Society of Australia, 2014, 31, .	3.4	30
78	Spectrophotometric analysis of gamma-ray burst afterglow extinction curves with X-Shooter. Astronomy and Astrophysics, 2015, 579, A74.	5.1	30
79	Radio afterglows of a complete sample of bright Swift GRBs: predictions from present days to the SKA era. Monthly Notices of the Royal Astronomical Society, 2013, 435, 2543-2551.	4.4	29
80	Accessing the population of high-redshift Gamma Ray Bursts. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2514-2524.	4.4	29
81	A year in the life of the low-mass X-ray transient Aql X-1. Monthly Notices of the Royal Astronomical Society, 2014, 438, 2634-2641.	4.4	28
82	SN 2017dio: A Type-Ic Supernova Exploding in a Hydrogen-rich Circumstellar Medium^{âˆ—}. Astrophysical Journal Letters, 2018, 854, L14.	8.3	28
83	BROADBAND STUDY OF GRB 091127: A SUB-ENERGETIC BURST AT HIGHER REDSHIFT?. Astrophysical Journal, 2012, 761, 50.	4.5	27
84	GRB 090727 AND GAMMA-RAY BURSTS WITH EARLY-TIME OPTICAL EMISSION. Astrophysical Journal, 2013, 772, 73.	4.5	26
85	There is a short gamma-ray burst prompt phase at the beginning of each long one. Monthly Notices of the Royal Astronomical Society, 2015, 448, 403-416.	4.4	26
86	Polarimetry and Photometry of Gamma-Ray Bursts with RINGO2. Astrophysical Journal, 2017, 843, 143.	4.5	26
87	The short-duration GRBÂ050724 host galaxy in the context of the long-duration GRB hosts. Astronomy and Astrophysics, 2006, 450, 87-92.	5.1	26
88	The impact of selection biases on the correlation of gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2012, 422, 2553-2559.	4.4	25
89	New constraints on gamma-ray burst jet geometry and relativistic shock physics. Monthly Notices of the Royal Astronomical Society, 2014, 438, 752-767.	4.4	25
90	LIMITS ON OPTICAL POLARIZATION DURING THE PROMPT PHASE OF GRB 140430A. Astrophysical Journal, 2015, 813, 1.	4.5	25

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91	Optical and X-ray rest-frame light curves of the BAT6 sample. Astronomy and Astrophysics, 2014, 565, A72.	5.1	25
92	The high-redshift gamma-ray burst GRBâ€‰140515A. Astronomy and Astrophysics, 2015, 581, A86.	5.1	23
93	Evidence for energy injection and a fine-tuned central engine at optical wavelengths in GRB 070419A. Monthly Notices of the Royal Astronomical Society, 2009, 395, 1941-1949.	4.4	22
94	On the environment of short gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2012, 424, 2392-2399.	4.4	21
95	Target-of-opportunity Observations of Gravitational-wave Events with Vera C. Rubin Observatory. Astrophysical Journal, Supplement Series, 2022, 260, 18.	7.7	21
96	IDENTIFYING THE LOCATION IN THE HOST GALAXY OF THE SHORT GRB 111117A WITH THECHANDRASUBARCSECOND POSITION. Astrophysical Journal, 2013, 766, 41.	4.5	20
97	PAN-CHROMATIC OBSERVATIONS OF THE RECURRENT NOVA LMC 2009a (LMC 1971b). Astrophysical Journal, 2016, 818, 145.	4.5	20
98	The 999thSwiftgamma-ray burst: Some like it thermal. Astronomy and Astrophysics, 2017, 598, A23.	5.1	20
99	Anatomy of a dark burst - the afterglow of GRB 060108. Monthly Notices of the Royal Astronomical Society, 2006, 372, 327-337.	4.4	18
100	The nature of the late achromatic bump in GRBâ€‰120326A. Astronomy and Astrophysics, 2014, 572, A55.	5.1	18
101	The commissioning of the REM-IR camera at La Silla. , 2004, , .		17
102	The circumburst environment of a FRED GRB: study of the prompt emission and X-ray/optical afterglow of GRBÂ051111. Astronomy and Astrophysics, 2007, 463, 539-550.	5.1	17
103	The host-galaxy response to the afterglow of GRB 100901A. Monthly Notices of the Royal Astronomical Society, 2013, 430, 2739-2754.	4.4	17
104	Limits on quantum gravity effects from Swift short gamma-ray bursts. Astronomy and Astrophysics, 2017, 607, A121.	5.1	17
105	Swift-XRT Follow-up of Gravitational-wave Triggers in the Second Advanced LIGO/Virgo Observing Run. Astrophysical Journal, Supplement Series, 2019, 245, 15.	7.7	16
106	Afterglows from precursors in gamma-ray bursts. Application to the optical afterglow of GRB 091024. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1625-1635.	4.4	15
107	Swift/UVOT follow-up of gravitational wave alerts in the O3 era. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1296-1317.	4.4	15
108	The optical rebrightening of GRB100814A: an interplay of forward and reverse shocks?. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1024-1042.	4.4	14

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109	GRBâ€‰171010A/SNâ€‰2017htp: a GRB-SN at zÂ=Â0.33. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5366-5374.	4.4	14
110	A magnetar powering the ordinary monster GRB 130427A?. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 439, L80-L84.	3.3	13
111	RADIO FLARES FROM GAMMA-RAY BURSTS. Astrophysical Journal, 2015, 806, 179.	4.5	13
112	XMM-Newton and VLT observations of the afterglow ofÂGRBâ€‰040827. Astronomy and Astrophysics, 2005, 440, 85-92.	5.1	12
113	The supernova of the MAGIC gamma-ray burst GRB 190114C. Astronomy and Astrophysics, 2022, 659, A39.	5.1	11
114	Optical flashes, reverse shocks and magnetization. , 2009, , .		10
115	Effective absorbing column density in the gamma-ray burst afterglow X-ray spectra. Monthly Notices of the Royal Astronomical Society, 2014, 441, 3634-3639.	4.4	9
116	A time domain experiment withSwift: monitoring of seven nearby galaxies. Astronomy and Astrophysics, 2016, 587, A147.	5.1	9
117	Gamma ray burst studies with THESEUS. Experimental Astronomy, 2021, 52, 277-308.	3.7	9
118	The obscured hyper-energetic GRBâ€‰120624B hosted by a luminous compact galaxy atz= 2.20. Astronomy and Astrophysics, 2013, 557, L18.	5.1	9
119	The Multi-frequency Robotic facility REM: first results. Astronomische Nachrichten, 2004, 325, 543-548.	1.2	8
120	RINGO: a novel ring polarimeter for rapid GRB followup. , 2006, 6269, 1799.		7
121	The unusual X-ray light curve of GRBâ€ƒ080307: the onset of the afterglow?. Monthly Notices of the Royal Astronomical Society, 2009, 395, 328-334.	4.4	7
122	Swift Multiwavelength Follow-up of LVC S200224ca and the Implications for Binary Black Hole Mergers. Astrophysical Journal, 2021, 907, 97.	4.5	7
123	Searching for narrow absorption and emission lines inXMM-Newtonspectra of gamma-ray bursts. Astronomy and Astrophysics, 2016, 592, A85.	5.1	6
124	Orbital period of Swift J1816.7â€“1613 revealed by the Swift Burst Alert Telescope. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 445, L119-L123.	3.3	5
125	AQuA: an automatic pipeline for fast transients detection. , 2004, 5496, 729.		4
126	Optical photometry and spectroscopy of the low-luminosity, broad-lined Ic supernova iPTF15dld. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1848-1856.	4.4	4

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127	GRAWITA: VLT Survey Telescope observations of the gravitational wave sources GW150914 and GW151226. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	4
128	X-ray absorbing column densities of a complete sample of short gamma ray bursts. Astronomy and Astrophysics, 2019, 625, A6.	5.1	4
129	Colour variations in the GRBâ€‰120327A afterglow. Astronomy and Astrophysics, 2017, 607, A29.	5.1	4
130	Multi-wavelength analysis of the field of the dark burst GRBÂ031220. Astronomy and Astrophysics, 2006, 451, 27-33.	5.1	2
131	A complete sample of long bright Swift gamma ray bursts. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120235.	3.4	1
132	Unveiling the enigma of ATLAS17aeu. Astronomy and Astrophysics, 2019, 621, A81.	5.1	1
133	Outflows from GRB hosts are ubiquitous: Kinematics of z < 0.3 GRB-SN hosts resolved with FLAMES. Astronomy and Astrophysics, 2021, 656, A136.	5.1	1
134	Earlyâ€Time Observations of GRBs afterglow with 2â€m Robotic Telescopes. , 2007, , .		0
135	Understanding the Nature of Dark Bursts with the Afterglow of GRB 060108. , 2007, , .		0
136	The Early Time Properties of GRBsâ€"Canonical Afterglows and the Importance of Prolonged Central Engine Activity. , 2009, , .		0
137	A Complete Sample of Long BrightSwiftGRBs. EAS Publications Series, 2013, 61, 229-233.	0.3	0
138	The first time domain experiment with Swift: monitoring of seven nearby galaxies. Journal of Physics: Conference Series, 2016, 718, 072002.	0.4	0
139	The evolution of the X-ray and radio emission of GW 170817/GRB 170817A. Nuclear and Particle Physics Proceedings, 2019, 306-308, 50-52.	0.5	0