

Benito Marcote

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

4,403
citations

257450

24
h-index

289244

40
g-index

41
all docs

41
docs citations

41
times ranked

4170
citing authors

#	ARTICLE	IF	CITATIONS
1	Burst timescales and luminosities as links between young pulsars and fast radio bursts. <i>Nature Astronomy</i> , 2022, 6, 393-401.	10.1	46
2	A repeating fast radio burst source in a globular cluster. <i>Nature</i> , 2022, 602, 585-589.	27.8	110
3	FRB 121102: Drastic changes in the burst polarization contrasts with the stability of the persistent emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 6033-6041.	4.4	21
4	Milliarcsecond Localization of the Repeating FRB 20201124A. <i>Astrophysical Journal Letters</i> , 2022, 927, L3.	8.3	28
5	Multiwavelength View of the Close-by GRB 190829A Sheds Light on Gamma-Ray Burst Physics. <i>Astrophysical Journal Letters</i> , 2022, 931, L19.	8.3	19
6	The 60 pc Environment of FRB 20180916B. <i>Astrophysical Journal Letters</i> , 2021, 908, L12.	8.3	67
7	Cygnus X-1 contains a 21-solar mass black hole—Implications for massive star winds. <i>Science</i> , 2021, 371, 1046-1049.	12.6	138
8	Highly polarized microstructure from the repeating FRB 20180916B. <i>Nature Astronomy</i> , 2021, 5, 594-603.	10.1	66
9	LOFAR Detection of 110–188 MHz Emission and Frequency-dependent Activity from FRB 20180916B. <i>Astrophysical Journal Letters</i> , 2021, 911, L3.	8.3	99
10	AU-scale radio imaging of the wind collision region in the brightest and most luminous non-thermal colliding wind binary Apep. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 2478-2486.	4.4	9
11	Radio modelling of the brightest and most luminous non-thermal colliding-wind binary Apep. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 475-488.	4.4	3
12	A repeating fast radio burst source localized to a nearby spiral galaxy. <i>Nature</i> , 2020, 577, 190-194.	27.8	297
13	VLBI observations of the G25.65+1.05 water maser superburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4069-4075.	4.4	12
14	The extreme colliding-wind system Apep: resolved imagery of the central binary and dust plume in the infrared. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5604-5619.	4.4	12
15	Two Wolf-Rayet stars at the heart of colliding-wind binary Apep. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3323-3331.	4.4	16
16	Periodic activity from a fast radio burst source. <i>Nature</i> , 2020, 582, 351-355.	27.8	231
17	Simultaneous X-Ray and Radio Observations of the Repeating Fast Radio Burst FRB 20180916J0158+65. <i>Astrophysical Journal</i> , 2020, 901, 165.	4.5	38
18	Resolving the Decades-long Transient FIRST J141918.9+394036: An Orphan Long Gamma-Ray Burst or a Young Magnetar Nebula?. <i>Astrophysical Journal Letters</i> , 2019, 876, L14.	8.3	19

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19	FRB 121102 Bursts Show Complex Time-Resolved Frequency Structure. <i>Astrophysical Journal Letters</i> , 2019, 876, L23.	8.3	230
20	Compact radio emission indicates a structured jet was produced by a binary neutron star merger. <i>Science</i> , 2019, 363, 968-971.	12.6	272
21	Probing the origin of the off-pulse emission from the pulsars B0525+21 and B2045-16. <i>Astronomy and Astrophysics</i> , 2019, 627, L2.	5.1	4
22	An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. <i>Nature</i> , 2018, 553, 182-185.	27.8	368
23	Refining the origins of the gamma-ray binary 1FGL J1018.6-5856. <i>Astronomy and Astrophysics</i> , 2018, 619, A26.	5.1	7
24	Constraining very-high-energy and optical emission from FRB 121102 with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2479-2486.	4.4	33
25	The Host Galaxy and Redshift of the Repeating Fast Radio Burst FRB 121102. <i>Astrophysical Journal Letters</i> , 2017, 834, L7.	8.3	495
26	A SEARCH FOR SPECTRAL HYSTERESIS AND ENERGY-DEPENDENT TIME LAGS FROM X-RAY AND TeV GAMMA-RAY OBSERVATIONS OF Mrk 421. <i>Astrophysical Journal</i> , 2017, 834, 2.	4.5	29
27	A direct localization of a fast radio burst and its host. <i>Nature</i> , 2017, 541, 58-61.	27.8	616
28	The Repeating Fast Radio Burst FRB 121102 as Seen on Milliarcsecond Angular Scales. <i>Astrophysical Journal Letters</i> , 2017, 834, L8.	8.3	300
29	Simultaneous X-Ray, Gamma-Ray, and Radio Observations of the Repeating Fast Radio Burst FRB 121102. <i>Astrophysical Journal</i> , 2017, 846, 80.	4.5	99
30	A model for the repeating FRB 121102 in the AGN scenario. <i>Astronomy and Astrophysics</i> , 2017, 602, A64.	5.1	33
31	The First Simultaneous X-Ray/Radio Detection of the First Be/BH System MWC 656. <i>Astrophysical Journal Letters</i> , 2017, 835, L33.	8.3	27
32	FRB 121102 Is Coincident with a Star-forming Region in Its Host Galaxy. <i>Astrophysical Journal Letters</i> , 2017, 843, L8.	8.3	130
33	Towards the origin of the radio emission in AR Scorpii, the first radio-pulsing white dwarf binary. <i>Astronomy and Astrophysics</i> , 2017, 601, L7.	5.1	13
34	Orbital and superorbital variability of LS I +61 303 at low radio frequencies with GMRT and LOFAR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 1791-1802.	4.4	4
35	The major upgrade of the MAGIC telescopes, Part II: A performance study using observations of the Crab Nebula. <i>Astroparticle Physics</i> , 2016, 72, 76-94.	4.3	305
36	The major upgrade of the MAGIC telescopes, Part I: The hardware improvements and the commissioning of the system. <i>Astroparticle Physics</i> , 2016, 72, 61-75.	4.3	150

#	ARTICLE	IF	CITATIONS
37	FRB 150418: clues to its nature from European VLBI Network and e-MERLIN observations. <i>Astronomy and Astrophysics</i> , 2016, 593, L16.	5.1	7
38	MAGIC observations of MWC 656, the only known Be/BH system. <i>Astronomy and Astrophysics</i> , 2015, 576, A36.	5.1	11
39	Physical properties of the gamma-ray binary LS 5039 through low- and high-frequency radio observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 59-73.	4.4	23
40	A radio map of the colliding winds in the very massive binary system HD 93129A. <i>Astronomy and Astrophysics</i> , 2015, 579, A99.	5.1	16