

Daniele Michilli

List of Publications by Year in descending order

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48
papers

4,038
citations

147566

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223531

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49
all docs

49
docs citations

49
times ranked

1794
citing authors

#	ARTICLE	IF	CITATIONS
1	Localizing FRBs through VLBI with the Algonquin Radio Observatory 10 m Telescope. <i>Astronomical Journal</i> , 2022, 163, 65.	1.9	12
2	Burst timescales and luminosities as links between young pulsars and fast radio bursts. <i>Nature Astronomy</i> , 2022, 6, 393-401.	4.2	46
3	A repeating fast radio burst source in a globular cluster. <i>Nature</i> , 2022, 602, 585-589.	13.7	110
4	Modeling Fast Radio Burst Dispersion and Scattering Properties in the First CHIME/FRB Catalog. <i>Astrophysical Journal</i> , 2022, 927, 35.	1.6	29
5	The northern cross fast radio burst project – II. Monitoring of repeating FRB 20180916B, 20181030A, 20200120E, and 20201124A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1858-1866.	1.6	4
6	Multiband Detection of Repeating FRB 20180916B. <i>Astrophysical Journal</i> , 2022, 932, 98.	1.6	12
7	Sub-second periodicity in a fast radio burst. <i>Nature</i> , 2022, 607, 256-259.	13.7	37
8	A Synoptic VLBI Technique for Localizing Nonrepeating Fast Radio Bursts with CHIME/FRB. <i>Astronomical Journal</i> , 2021, 161, 81.	1.9	20
9	Rotation Measure Evolution of the Repeating Fast Radio Burst Source FRB 121102. <i>Astrophysical Journal Letters</i> , 2021, 908, L10.	3.0	80
10	A Nearby Repeating Fast Radio Burst in the Direction of M81. <i>Astrophysical Journal Letters</i> , 2021, 910, L18.	3.0	124
11	LOFAR Detection of 110–188 MHz Emission and Frequency-dependent Activity from FRB 20180916B. <i>Astrophysical Journal Letters</i> , 2021, 911, L3.	3.0	99
12	An Analysis Pipeline for CHIME/FRB Full-array Baseband Data. <i>Astrophysical Journal</i> , 2021, 910, 147.	1.6	31
13	The CHIME Pulsar Project: System Overview. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 5.	3.0	40
14	Absence of Bursts between 4 and 8 GHz from FRB 20200120E Located in an M81 Globular Cluster. <i>Research Notes of the AAS</i> , 2021, 5, 166.	0.3	0
15	A Local Universe Host for the Repeating Fast Radio Burst FRB 20181030A. <i>Astrophysical Journal Letters</i> , 2021, 919, L24.	3.0	46
16	Polarization Pipeline for Fast Radio Bursts Detected by CHIME/FRB. <i>Astrophysical Journal</i> , 2021, 920, 138.	1.6	15
17	CHIME/FRB Catalog 1 Results: Statistical Cross-correlations with Large-scale Structure. <i>Astrophysical Journal</i> , 2021, 922, 42.	1.6	40
18	Scintillation Timescales of Bright FRBs Detected by CHIME/FRB. <i>Research Notes of the AAS</i> , 2021, 5, 271.	0.3	7

#	ARTICLE	IF	CITATIONS
19	Fast Radio Burst Morphology in the First CHIME/FRB Catalog. <i>Astrophysical Journal</i> , 2021, 923, 1.	1.6	109
20	No Evidence for Galactic Latitude Dependence of the Fast Radio Burst Sky Distribution. <i>Astrophysical Journal</i> , 2021, 923, 2.	1.6	20
21	The First CHIME/FRB Fast Radio Burst Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 59.	3.0	199
22	A repeating fast radio burst source localized to a nearby spiral galaxy. <i>Nature</i> , 2020, 577, 190-194.	13.7	297
23	Periodic activity from a fast radio burst source. <i>Nature</i> , 2020, 582, 351-355.	13.7	231
24	Nine New Repeating Fast Radio Burst Sources from CHIME/FRB. <i>Astrophysical Journal Letters</i> , 2020, 891, L6.	3.0	178
25	The LOFAR Tied-Array all-sky survey: Timing of 21 pulsars including the first binary pulsar discovered with LOFAR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5878-5896.	1.6	13
26	LOFAR radio search for single and periodic pulses from M 31. <i>Astronomy and Astrophysics</i> , 2020, 634, A3.	2.1	16
27	Simultaneous X-Ray and Radio Observations of the Repeating Fast Radio Burst FRB \approx 180916.J0158+65. <i>Astrophysical Journal</i> , 2020, 901, 165.	1.6	38
28	Detection of Repeating FRB 180916.J0158+65 Down to Frequencies of 300 MHz. <i>Astrophysical Journal Letters</i> , 2020, 896, L41.	3.0	70
29	The LOFAR Tied-Array All-Sky Survey (LOTAAS): Survey overview and initial pulsar discoveries. <i>Astronomy and Astrophysics</i> , 2019, 626, A104.	2.1	69
30	First detection of frequency-dependent, time-variable dispersion measures. <i>Astronomy and Astrophysics</i> , 2019, 624, A22.	2.1	34
31	CHIME/FRB Discovery of Eight New Repeating Fast Radio Burst Sources. <i>Astrophysical Journal Letters</i> , 2019, 885, L24.	3.0	302
32	CHIME/FRB Detection of the Original Repeating Fast Radio Burst Source FRB 121102. <i>Astrophysical Journal Letters</i> , 2019, 882, L18.	3.0	98
33	A Sample of Low-energy Bursts from FRB 121102. <i>Astrophysical Journal Letters</i> , 2019, 877, L19.	3.0	120
34	FRB 121102 Bursts Show Complex Time-Frequency Structure. <i>Astrophysical Journal Letters</i> , 2019, 876, L23.	3.0	230
35	Low-frequency Faraday rotation measures towards pulsars using LOFAR: probing the 3D Galactic halo magnetic field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3646-3664.	1.6	69
36	An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. <i>Nature</i> , 2018, 553, 182-185.	13.7	368

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37	Single-pulse classifier for the LOFAR Tied-Array All-sky Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3457-3467.	1.6	33
38	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.	1.6	33
39	LOFAR Discovery of a 23.5 s Radio Pulsar. <i>Astrophysical Journal</i> , 2018, 866, 54.	1.6	76
40	Low-frequency pulse profile variation in PSR B2217+47: evidence for echoes from the interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2704-2716.	1.6	19
41	Ensemble candidate classification for the LOTAAS pulsar survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4571-4583.	1.6	26
42	Highest Frequency Detection of FRB 121102 at 4â€“8 GHz Using the Breakthrough Listen Digital Backend at the Green Bank Telescope. <i>Astrophysical Journal</i> , 2018, 863, 2.	1.6	226
43	Simultaneous X-Ray, Gamma-Ray, and Radio Observations of the Repeating Fast Radio Burst FRB 121102. <i>Astrophysical Journal</i> , 2017, 846, 80.	1.6	99
44	A Multi-telescope Campaign on FRB 121102: Implications for the FRB Population. <i>Astrophysical Journal</i> , 2017, 850, 76.	1.6	148
45	Scattering analysis of LOFAR pulsar observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2659-2679.	1.6	60
46	Evolution of the low-frequency pulse profile of PSR B2217+47. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 291-294.	0.0	1
47	A LOFAR census of non-recycled pulsars: average profiles, dispersion measures, flux densities, and spectra. <i>Astronomy and Astrophysics</i> , 2016, 591, A134.	2.1	96
48	The LOFAR Tied-Array All-Sky Survey (LOTAAS): Characterization of 20 pulsar discoveries and their single-pulse behavior. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	8