

Daniele Michilli

List of Publications by Year in descending order

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48
papers

4,038
citations

147801
31
h-index

223800
46
g-index

49
all docs

49
docs citations

49
times ranked

1794
citing authors

#	ARTICLE	IF	CITATIONS
1	An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. <i>Nature</i> , 2018, 553, 182-185.	27.8	368
2	CHIME/FRB Discovery of Eight New Repeating Fast Radio Burst Sources. <i>Astrophysical Journal Letters</i> , 2019, 885, L24.	8.3	302
3	A repeating fast radio burst source localized to a nearby spiral galaxy. <i>Nature</i> , 2020, 577, 190-194.	27.8	297
4	Periodic activity from a fast radio burst source. <i>Nature</i> , 2020, 582, 351-355.	27.8	231
5	FRB 121102 Bursts Show Complex Time–Frequency Structure. <i>Astrophysical Journal Letters</i> , 2019, 876, L23.	8.3	230
6	Highest Frequency Detection of FRB 121102 at 4–8 GHz Using the Breakthrough Listen Digital Backend at the Green Bank Telescope. <i>Astrophysical Journal</i> , 2018, 863, 2.	4.5	226
7	The First CHIME/FRB Fast Radio Burst Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 59.	7.7	199
8	Nine New Repeating Fast Radio Burst Sources from CHIME/FRB. <i>Astrophysical Journal Letters</i> , 2020, 891, L6.	8.3	178
9	A Multi-telescope Campaign on FRB 121102: Implications for the FRB Population. <i>Astrophysical Journal</i> , 2017, 850, 76.	4.5	148
10	A Nearby Repeating Fast Radio Burst in the Direction of M81. <i>Astrophysical Journal Letters</i> , 2021, 910, L18.	8.3	124
11	A Sample of Low-energy Bursts from FRB 121102. <i>Astrophysical Journal Letters</i> , 2019, 877, L19.	8.3	120
12	A repeating fast radio burst source in a globular cluster. <i>Nature</i> , 2022, 602, 585-589.	27.8	110
13	Fast Radio Burst Morphology in the First CHIME/FRB Catalog. <i>Astrophysical Journal</i> , 2021, 923, 1.	4.5	109
14	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
15	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
16	CHIME/FRB Detection of the Original Repeating Fast Radio Burst Source FRB 121102. <i>Astrophysical Journal Letters</i> , 2019, 882, L18.	8.3	98
17	A LOFAR census of non-recycled pulsars: average profiles, dispersion measures, flux densities, and spectra. <i>Astronomy and Astrophysics</i> , 2016, 591, A134.	5.1	96
18	Rotation Measure Evolution of the Repeating Fast Radio Burst Source FRB 121102. <i>Astrophysical Journal Letters</i> , 2021, 908, L10.	8.3	80

#	ARTICLE	IF	CITATIONS
19	LOFAR Discovery of a 23.5 s Radio Pulsar. <i>Astrophysical Journal</i> , 2018, 866, 54.	4.5	76
20	Detection of Repeating FRB 180916.J0158+65 Down to Frequencies of 300 MHz. <i>Astrophysical Journal Letters</i> , 2020, 896, L41.	8.3	70
21	The LOFAR Tied-Array All-Sky Survey (LOTAAS): Survey overview and initial pulsar discoveries. <i>Astronomy and Astrophysics</i> , 2019, 626, A104.	5.1	69
22	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.	4.4	69
23	Scattering analysis of LOFAR pulsar observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2659-2679.	4.4	60
24	A Local Universe Host for the Repeating Fast Radio Burst FRB 20181030A. <i>Astrophysical Journal Letters</i> , 2021, 919, L24.	8.3	46
25	Burst timescales and luminosities as links between young pulsars and fast radio bursts. <i>Nature Astronomy</i> , 2022, 6, 393-401.	10.1	46
26	The CHIME Pulsar Project: System Overview. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 5.	7.7	40
27	CHIME/FRB Catalog 1 Results: Statistical Cross-correlations with Large-scale Structure. <i>Astrophysical Journal</i> , 2021, 922, 42.	4.5	40
28	Simultaneous X-Ray and Radio Observations of the Repeating Fast Radio Burst FRB 180916.J0158+65. <i>Astrophysical Journal</i> , 2020, 901, 165.	4.5	38
29	Sub-second periodicity in a fast radio burst. <i>Nature</i> , 2022, 607, 256-259.	27.8	37
30	First detection of frequency-dependent, time-variable dispersion measures. <i>Astronomy and Astrophysics</i> , 2019, 624, A22.	5.1	34
31	Single-pulse classifier for the LOFAR Tied-Array All-sky Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3457-3467.	4.4	33
32	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
33	An Analysis Pipeline for CHIME/FRB Full-array Baseband Data. <i>Astrophysical Journal</i> , 2021, 910, 147.	4.5	31
34	Modeling Fast Radio Burst Dispersion and Scattering Properties in the First CHIME/FRB Catalog. <i>Astrophysical Journal</i> , 2022, 927, 35.	4.5	29
35	Ensemble candidate classification for the LOTAAS pulsar survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4571-4583.	4.4	26
36	A Synoptic VLBI Technique for Localizing Nonrepeating Fast Radio Bursts with CHIME/FRB. <i>Astronomical Journal</i> , 2021, 161, 81.	4.7	20

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37	No Evidence for Galactic Latitude Dependence of the Fast Radio Burst Sky Distribution. <i>Astrophysical Journal</i> , 2021, 923, 2.	4.5	20
38	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.	4.4	19
39	LOFAR radio search for single and periodic pulses from M 31. <i>Astronomy and Astrophysics</i> , 2020, 634, A3.	5.1	16
40	Polarization Pipeline for Fast Radio Bursts Detected by CHIME/FRB. <i>Astrophysical Journal</i> , 2021, 920, 138.	4.5	15
41	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.	4.4	13
42	Localizing FRBs through VLBI with the Algonquin Radio Observatory 10 m Telescope. <i>Astronomical Journal</i> , 2022, 163, 65.	4.7	12
43	Multiband Detection of Repeating FRB 20180916B. <i>Astrophysical Journal</i> , 2022, 932, 98.	4.5	12
44	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, , .	4.4	8
45	Scintillation Timescales of Bright FRBs Detected by CHIME/FRB. <i>Research Notes of the AAS</i> , 2021, 5, 271.	0.7	7
46	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.	4.4	4
47	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
48	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.	0.7	0