Daniele Michilli

List of Publications by Year
in descending order

48	4,038	147566 31	223531 46
papers	citations	h-index	g-index

49	49	49	1794
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. Nature, 2018, 553, 182-185.	13.7	368
2	CHIME/FRB Discovery of Eight New Repeating Fast Radio Burst Sources. Astrophysical Journal Letters, 2019, 885, L24.	3.0	302
3	A repeating fast radio burst source localized to a nearby spiral galaxy. Nature, 2020, 577, 190-194.	13.7	297
4	Periodic activity from a fast radio burst source. Nature, 2020, 582, 351-355.	13.7	231
5	FRB 121102 Bursts Show Complex Timeâ€“Frequency Structure. Astrophysical Journal Letters, 2019, 876, L23.	3.0	230
6	Highest Frequency Detection of FRB 121102 at 4â€“8 GHz Using the Breakthrough Listen Digital Backend at the Green Bank Telescope. Astrophysical Journal, 2018, 863, 2.	1.6	226
7	The First CHIME/FRB Fast Radio Burst Catalog. Astrophysical Journal, Supplement Series, 2021, 257, 59.	3.0	199
8	Nine New Repeating Fast Radio Burst Sources from CHIME/FRB. Astrophysical Journal Letters, 2020, 891, L6.	3.0	178
9	A Multi-telescope Campaign on FRB 121102: Implications for the FRB Population. Astrophysical Journal, 2017, 850, 76.	1.6	148
10	A Nearby Repeating Fast Radio Burst in the Direction of M81. Astrophysical Journal Letters, 2021, 910, L18.	3.0	124
11	A Sample of Low-energy Bursts from FRB 121102. Astrophysical Journal Letters, 2019, 877, L19.	3.0	120
12	A repeating fast radio burst source in a globular cluster. Nature, 2022, 602, 585-589.	13.7	110
13	Fast Radio Burst Morphology in the First CHIME/FRB Catalog. Astrophysical Journal, 2021, 923, 1.	1.6	109
14	Simultaneous X-Ray, Gamma-Ray, and Radio Observations of the Repeating Fast Radio Burst FRB 121102. Astrophysical Journal, 2017, 846, 80.	1.6	99
15	LOFAR Detection of 110â€“188 MHz Emission and Frequency-dependent Activity from FRB 20180916B. Astrophysical Journal Letters, 2021, 911, L3.	3.0	99
16	CHIME/FRB Detection of the Original Repeating Fast Radio Burst Source FRB 121102. Astrophysical Journal Letters, 2019, 882, L18.	3.0	98
17	A LOFAR census of non-recycled pulsars: average profiles, dispersion measures, flux densities, and spectra. Astronomy and Astrophysics, 2016, 591, A134.	2.1	96
18	Rotation Measure Evolution of the Repeating Fast Radio Burst Source FRB 121102. Astrophysical Journal Letters, 2021, 908, L10.	3.0	80

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19	LOFAR Discovery of a 23.5 s Radio Pulsar. Astrophysical Journal, 2018, 866, 54.	1.6	76
20	Detection of Repeating FRB 180916.J0158+65 Down to Frequencies of 300 MHz. Astrophysical Journal Letters, 2020, 896, L41.	3.0	70
21	The LOFAR Tied-Array All-Sky Survey (LOTAAS): Survey overview and initial pulsar discoveries. Astronomy and Astrophysics, 2019, 626, A104.	2.1	69
22	Low-frequency Faraday rotation measures towards pulsars using LOFAR: probing the 3D Galactic halo magnetic field. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3646-3664.	1.6	69
23	Scattering analysis of LOFAR pulsar observations. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2659-2679.	1.6	60
24	A Local Universe Host for the Repeating Fast Radio Burst FRB 20181030A. Astrophysical Journal Letters, 2021, 919, L24.	3.0	46
25	Burst timescales and luminosities as links between young pulsars and fast radio bursts. Nature Astronomy, 2022, 6, 393-401.	4.2	46
26	The CHIME Pulsar Project: System Overview. Astrophysical Journal, Supplement Series, 2021, 255, 5.	3.0	40
27	CHIME/FRB Catalog 1 Results: Statistical Cross-correlations with Large-scale Structure. Astrophysical Journal, 2021, 922, 42.	1.6	40
28	Simultaneous X-Ray and Radio Observations of the Repeating Fast Radio Burst FRB â^¼ 180916.J0158+65. Astrophysical Journal, 2020, 901, 165.	1.6	38
29	Sub-second periodicity in a fast radio burst. Nature, 2022, 607, 256-259.	13.7	37
30	First detection of frequency-dependent, time-variable dispersion measures. Astronomy and Astrophysics, 2019, 624, A22.	2.1	34
31	Single-pulse classifier for the LOFAR Tied-Array All-sky Survey. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3457-3467.	1.6	33
32	Constraining very-high-energy and optical emission from FRB 121102 with the MAGIC telescopes. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2479-2486.	1.6	33
33	An Analysis Pipeline for CHIME/FRB Full-array Baseband Data. Astrophysical Journal, 2021, 910, 147.	1.6	31
34	Modeling Fast Radio Burst Dispersion and Scattering Properties in the First CHIME/FRB Catalog. Astrophysical Journal, 2022, 927, 35.	1.6	29
35	Ensemble candidate classification for the LOTAAS pulsar survey. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4571-4583.	1.6	26
36	A Synoptic VLBI Technique for Localizing Nonrepeating Fast Radio Bursts with CHIME/FRB. Astronomical Journal, 2021, 161, 81.	1.9	20

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37	No Evidence for Galactic Latitude Dependence of the Fast Radio Burst Sky Distribution. Astrophysical Journal, 2021, 923, 2.	1.6	20
38	Low-frequency pulse profile variation in PSR B2217+47: evidence for echoes from the interstellar medium. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2704-2716.	1.6	19
39	LOFAR radio search for single and periodic pulses from M 31. Astronomy and Astrophysics, 2020, 634, A3.	2.1	16
40	Polarization Pipeline for Fast Radio Bursts Detected by CHIME/FRB. Astrophysical Journal, 2021, 920, 138.	1.6	15
41	The LOFAR Tied-Array all-sky survey: Timing of 21 pulsars including the first binary pulsar discovered with LOFAR. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5878-5896.	1.6	13
42	Localizing FRBs through VLBI with the Algonquin Radio Observatory 10 m Telescope. Astronomical Journal, 2022, 163, 65.	1.9	12
43	Multiband Detection of Repeating FRB 20180916B. Astrophysical Journal, 2022, 932, 98.	1.6	12
44	The LOFAR Tied-Array All-Sky Survey (LOTAAS): Characterization of 20 pulsar discoveries and their single-pulse behavior. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	8
45	Scintillation Timescales of Bright FRBs Detected by CHIME/FRB. Research Notes of the AAS, 2021, 5, 271.	0.3	7
46	The northern cross fast radio burst project â€“ II. Monitoring of repeating FRB 20180916B, 20181030A, 20200120E, and 20201124A. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1858-1866.	1.6	4
47	Evolution of the low-frequency pulse profile of PSR B2217+47. Proceedings of the International Astronomical Union, 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. Research Notes of the AAS, 2021, 5, 166.	0.3	0