Shivani Bhandari

List of Publications by Year
in descending order

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55 papers	3,439 citations	159585 30 h-index	182427 51 g-index
55 all docs	55 docs citations	55 times ranked	2377 citing authors

#	Article	IF	Citations
1	Characterizing the Fast Radio Burst Host Galaxy Population and its Connection to Transients in the Local and Extragalactic Universe. Astronomical Journal, 2022, 163, 69.	4.7	91
2	Circularly polarized radio emission from the repeating fast radio burst source FRBâ€‰20201124A. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3400-3413.	4.4	34
3	Astrometric accuracy of snapshot fast radio burst localisations with ASKAP. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	12
4	Probing the Universe with Fast Radio Bursts. Universe, 2021, 7, 85.	2.5	16
5	A High-resolution View of Fast Radio Burst Host Environments. Astrophysical Journal, 2021, 917, 75.	4.5	41
6	Constraining bright optical counterparts of fast radio bursts. Astronomy and Astrophysics, 2021, 653, A119.	5.1	10
7	Chronicling the Host Galaxy Properties of the Remarkable Repeating FRB 20201124A. Astrophysical Journal Letters, 2021, 919, L23.	8.3	45
8	Dissecting the Local Environment of FRB 190608 in the Spiral Arm of its Host Galaxy. Astrophysical Journal, 2021, 922, 173.	4.5	31
9	Estimating the Contribution of Foreground Halos to the FRB 180924 Dispersion Measure. Astrophysical Journal, 2021, 921, 134.	4.5	7
10	High time resolution and polarization properties of ASKAP-localized fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3335-3350.	4.4	93
11	The SUrvey for pulsars and extragalactic radio bursts V: recent discoveries and full timing solutions. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4836-4848.	4.4	8
12	A population analysis of pulse broadening in ASKAP fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1382-1390.	4.4	35
13	The Host Galaxies and Progenitors of Fast Radio Bursts Localized with the Australian Square Kilometre Array Pathfinder. Astrophysical Journal Letters, 2020, 895, L37.	8.3	113
14	A census of baryons in the Universe from localized fast radio bursts. Nature, 2020, 581, 391-395.	27.8	341
15	Measurement of the Rate Distribution of the Population of Repeating Fast Radio Bursts: Implications for Progenitor Models. Astrophysical Journal Letters, 2020, 895, L22.	8.3	8
16	Which bright fast radio bursts repeat?. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2416-2427.	4.4	33
17	Spectropolarimetric Analysis of FRB 181112 at Microsecond Resolution: Implications for Fast Radio Burst Emission Mechanism. Astrophysical Journal Letters, 2020, 891, L38.	8.3	82
18	Probing the extragalactic fast transient sky at minute time-scales with DECam. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5852-5866.	4.4	22

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19	The UTMOST survey for magnetars, intermittent pulsars, RRATs, and FRBs â€“ I. System description and overview. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4752-4767.	4.4	6
20	The High Time Resolution Universe Pulsar Survey â€“ XVI. Discovery and timing of 40 pulsars from the southern Galactic plane. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1063-1087.	4.4	20
21	The SUrvey for Pulsars and Extragalactic Radio Bursts â€“ IV. Discovery and polarimetry of a 12.1-s radio pulsar. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1165-1177.	4.4	25
22	A search for supernova-like optical counterparts to ASKAP-localised fast radio bursts. Astronomy and Astrophysics, 2020, 639, A119.	5.1	12
23	Extremely band-limited repetition from a fast radio burst source. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2525-2531.	4.4	51
24	Disentangling the Cosmic Web toward FRB 190608. Astrophysical Journal, 2020, 901, 134.	4.5	26
25	Host Galaxy Properties and Offset Distributions of Fast Radio Bursts: Implications for Their Progenitors. Astrophysical Journal, 2020, 903, 152.	4.5	148
26	Limits on Precursor and Afterglow Radio Emission from a Fast Radio Burst in a Star-forming Galaxy. Astrophysical Journal Letters, 2020, 901, L20.	8.3	40
27	The host galaxies and progenitors of Fast Radio Burst. , 2020, , .		0
28	WALLABY Early Science â€“ II. The NGC 7232 galaxy group. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5248-5262.	4.4	30
29	A single fast radio burst localized to a massive galaxy at cosmological distance. Science, 2019, 365, 565-570.	12.6	295
30	A fast radio burst in the direction of the Virgo Cluster. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1-8.	4.4	19
31	The low density and magnetization of a massive galaxy halo exposed by a fast radio burst. Science, 2019, 366, 231-234.	12.6	204
32	A survey of the Galactic plane for dispersed radio pulses with the Australian Square Kilometre Array Pathfinder. Monthly Notices of the Royal Astronomical Society, 2019, 486, 166-174.	4.4	20
33	A southern sky search for repeating fast radio bursts using the Australian SKA Pathfinder. Monthly Notices of the Royal Astronomical Society, 2019, 486, 70-76.	4.4	16
34	Faint Repetitions from a Bright Fast Radio Burst Source. Astrophysical Journal Letters, 2019, 887, L30.	8.3	94
35	The UTMOST pulsar timing programme I: Overview and first results. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3691-3712.	4.4	52
36	The High Time Resolution Universe Pulsar Survey â€“ XIII. PSR J1757â^'1854, the most accelerated binary pulsar. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 475, L57-L61.	3.3	79

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37	The SUrvey for Pulsars and Extragalactic Radio Bursts â€“ I. Survey description and overview. Monthly Notices of the Royal Astronomical Society, 2018, 473, 116-135.	4.4	82
38	The SUrvey for Pulsars and Extragalactic Radio Bursts â€“ II. New FRB discoveries and their follow-up. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1427-1446.	4.4	156
39	Optical follow-up observation of Fast Radio Burst 151230. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	9
40	A Search for the Host Galaxy of FRB 171020. Astrophysical Journal Letters, 2018, 867, L10.	8.3	38
41	FRB microstructure revealed by the real-time detection of FRB170827. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1209-1217.	4.4	107
42	A pilot survey for transients and variables with the Australian Square Kilometre Array Pathfinder. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1784-1794.	4.4	20
43	The SUrvey for Pulsars and Extragalactic Radio Bursts â€“ III. Polarization properties of FRBs 160102 and 151230. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2046-2055.	4.4	48
44	Detection of a Glitch in the Pulsar J1709â˜’4429. Research Notes of the AAS, 2018, 2, 139.	0.7	9
45	The UTMOST: A Hybrid Digital Signal Processor Transforms the Molonglo Observatory Synthesis Telescope. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	59
46	The first interferometric detections of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3746-3756.	4.4	115
47	First interferometric detections of Fast Radio Bursts. Proceedings of the International Astronomical Union, 2017, 13, 322-323.	0.0	0
48	Radio light curve of the galaxy possibly associated with FRBÂ150418. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2143-2150.	4.4	19
49	Optical and radio astrometry of the galaxy associated with FRBÂ150418. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 463, L36-L40.	3.3	12
50	The magnetic field and turbulence of the cosmic web measured using a brilliant fast radio burst. Science, 2016, 354, 1249-1252.	12.6	167
51	Fast Radio Transient searches with UTMOST at 843 MHz. Monthly Notices of the Royal Astronomical Society, 2016, 458, 718-725.	4.4	65
52	The host galaxy of a fast radio burst. Nature, 2016, 530, 453-456.	27.8	241
53	Identifying the source of perytons at the Parkes radio telescope. Monthly Notices of the Royal Astronomical Society, 2015, 451, 3933-3940.	4.4	70
54	A polarized fast radio burst at low Galactic latitude. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	45

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55	A fast radio burst with a low dispersion measure. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	18