

# Shivani Bhandari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8837412/publications.pdf>

Version: 2024-02-01

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	A census of baryons in the Universe from localized fast radio bursts. <i>Nature</i> , 2020, 581, 391-395.	27.8	341
2	A single fast radio burst localized to a massive galaxy at cosmological distance. <i>Science</i> , 2019, 365, 565-570.	12.6	295
3	The host galaxy of a fast radio burst. <i>Nature</i> , 2016, 530, 453-456.	27.8	241
4	The low density and magnetization of a massive galaxy halo exposed by a fast radio burst. <i>Science</i> , 2019, 366, 231-234.	12.6	204
5	The magnetic field and turbulence of the cosmic web measured using a brilliant fast radio burst. <i>Science</i> , 2016, 354, 1249-1252.	12.6	167
6	The SURvey for Pulsars and Extragalactic Radio Bursts â€“ II. New FRB discoveries and their follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1427-1446.	4.4	156
7	Host Galaxy Properties and Offset Distributions of Fast Radio Bursts: Implications for Their Progenitors. <i>Astrophysical Journal</i> , 2020, 903, 152.	4.5	148
8	The first interferometric detections of fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3746-3756.	4.4	115
9	The Host Galaxies and Progenitors of Fast Radio Bursts Localized with the Australian Square Kilometre Array Pathfinder. <i>Astrophysical Journal Letters</i> , 2020, 895, L37.	8.3	113
10	FRB microstructure revealed by the real-time detection of FRB170827. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1209-1217.	4.4	107
11	Faint Repetitions from a Bright Fast Radio Burst Source. <i>Astrophysical Journal Letters</i> , 2019, 887, L30.	8.3	94
12	High time resolution and polarization properties of ASKAP-localized fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3335-3350.	4.4	93
13	Characterizing the Fast Radio Burst Host Galaxy Population and its Connection to Transients in the Local and Extragalactic Universe. <i>Astronomical Journal</i> , 2022, 163, 69.	4.7	91
14	The SURvey for Pulsars and Extragalactic Radio Bursts â€“ I. Survey description and overview. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 116-135.	4.4	82
15	Spectropolarimetric Analysis of FRB 181112 at Microsecond Resolution: Implications for Fast Radio Burst Emission Mechanism. <i>Astrophysical Journal Letters</i> , 2020, 891, L38.	8.3	82
16	The High Time Resolution Universe Pulsar Survey â€“ XIII. PSR J1757âˆ’1854, the most accelerated binary pulsar. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 475, L57-L61.	3.3	79
17	Identifying the source of perytons at the Parkes radio telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3933-3940.	4.4	70
18	Fast Radio Transient searches with UTMOST at 843 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 718-725.	4.4	65

#	ARTICLE	IF	CITATIONS
19	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
20	The UTMOST pulsar timing programme I: Overview and first results. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3691-3712.	4.4	52
21	Extremely band-limited repetition from a fast radio burst source. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2525-2531.	4.4	51
22	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
23	A polarized fast radio burst at low Galactic latitude. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	45
24	Chronicing the Host Galaxy Properties of the Remarkable Repeating FRB 20201124A. Astrophysical Journal Letters, 2021, 919, L23.	8.3	45
25	A High-resolution View of Fast Radio Burst Host Environments. Astrophysical Journal, 2021, 917, 75.	4.5	41
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	A Search for the Host Galaxy of FRB 171020. Astrophysical Journal Letters, 2018, 867, L10.	8.3	38
28	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
29	Circularly polarized radio emission from the repeating fast radio burst source FRBâ€™s20201124A. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3400-3413.	4.4	34
30	Which bright fast radio bursts repeat?. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2416-2427.	4.4	33
31	Dissecting the Local Environment of FRB 190608 in the Spiral Arm of its Host Galaxy. Astrophysical Journal, 2021, 922, 173.	4.5	31
32	WALLABY Early Science â€“ II. The NGC 7232 galaxy group. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5248-5262.	4.4	30
33	Disentangling the Cosmic Web toward FRB 190608. Astrophysical Journal, 2020, 901, 134.	4.5	26
34	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
35	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
36	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

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37	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
38	The High Time Resolution Universe Pulsar Survey â€œ 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
39	Radio light curve of the galaxy possibly associated with FRBâ150418. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2143-2150.	4.4	19
40	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
41	A fast radio burst with a low dispersion measure. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1-8.	4.4	18
42	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
43	Probing the Universe with Fast Radio Bursts. Universe, 2021, 7, 85.	2.5	16
44	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
45	Astrometric accuracy of snapshot fast radio burst localisations with ASKAP. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	12
46	A search for supernova-like optical counterparts to ASKAP-localised fast radio bursts. Astronomy and Astrophysics, 2020, 639, A119.	5.1	12
47	Constraining bright optical counterparts of fast radio bursts. Astronomy and Astrophysics, 2021, 653, A119.	5.1	10
48	Optical follow-up observation of Fast Radio Burst 151230. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	9
49	Detection of a Glitch in the Pulsar J1709â~4429. Research Notes of the AAS, 2018, 2, 139.	0.7	9
50	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
51	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
52	Estimating the Contribution of Foreground Halos to the FRB 180924 Dispersion Measure. Astrophysical Journal, 2021, 921, 134.	4.5	7
53	The UTMOST survey for magnetars, intermittent pulsars, RRATs, and FRBs â€œ I. System description and overview. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4752-4767.	4.4	6
54	First interferometric detections of Fast Radio Bursts. Proceedings of the International Astronomical Union, 2017, 13, 322-323.	0.0	0

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55	The host galaxies and progenitors of Fast Radio Burst. , 2020, , .		0