Nissim Kanekar

List of Publications by Year
in descending order

95 papers	2,811 citations	126907 33 h-index	206112 48 g-index
97 all docs	97 docs citations	97 times ranked	1852 citing authors

#	Article	IF	Citations
1	The Upgraded GMRT:Opening New Windows on the Radio Universe. Current Science, 2017, 113, 707.	0.8	174
2	A deep search for 21-cm absorption in high redshift damped Lyman-Î±systems. Astronomy and Astrophysics, 2003, 399, 857-868.	5.1	110
3	Constraints on Changes in Fundamental Constants from a Cosmologically Distant OH Absorber or Emitter. Physical Review Letters, 2005, 95, 261301.	7.8	99
4	The spin temperature of high-redshift damped Lyman Î± systems. Monthly Notices of the Royal Astronomical Society, 2014, 438, 2131-2166.	4.4	95
5	CONSTRAINING CHANGES IN THE PROTON-ELECTRON MASS RATIO WITH INVERSION AND ROTATIONAL LINES. Astrophysical Journal Letters, 2011, 728, L12.	8.3	84
6	THE H i CONTENT OF THE UNIVERSE OVER THE PAST 10 GYR. Astrophysical Journal, 2016, 818, 113.	4.5	74
7	A cold, massive, rotating disk galaxy 1.5 billion years after the Big Bang. Nature, 2020, 581, 269-272.	27.8	71
8	A HIGH-FREQUENCY SEARCH FOR PULSARS WITHIN THE CENTRAL PARSEC OF Sgr A*. Astrophysical Journal, 2010, 715, 939-946.	4.5	70
9	Directly imaging damped Ly Î± galaxies at z > 2 â€“ III. The star formation rates of neutral gas reservoirs at z âˆ¼ 2.7. Monthly Notices of the Royal Astronomical Society, 2015, 446, 3178-3198.	4.4	66
10	Implications of 21-cm observations for damped Ly Â systems. Monthly Notices of the Royal Astronomical Society, 2000, 318, 303-308.	4.4	62
11	Constraining the Variation of Fundamental Constants using 18Âcm OH Lines. Physical Review Letters, 2003, 91, 241302.	7.8	56
12	A search for Hâ€ƒi 21â€ƒcm absorption in strong Mgâ€ƒii absorbers in the redshift desert. Monthly Notices of the Royal Astronomical Society, 2009, 396, 385-401.	4.4	56
13	HÂi 21-centimetre emission from an ensemble of galaxies at an average redshift of one. Nature, 2020, 586, 369-372.	27.8	55
14	HI 21 cm absorption in low $vec z$ damped Lyman-Î±systems. Astronomy and Astrophysics, 2001, 369, 42-48.	5.1	51
15	CONSTRAINING FUNDAMENTAL CONSTANT EVOLUTION WITH H I AND OH LINES. Astrophysical Journal Letters, 2012, 746, L16.	8.3	50
16	[C <scp>ii</scp>] 158-Î¼m emission from the host galaxies of damped Lyman-alpha systems. Science, 2017, 355, 1285-1288.	12.6	50
17	AN H I COLUMN DENSITY THRESHOLD FOR COLD GAS FORMATION IN THE GALAXY. Astrophysical Journal Letters, 2011, 737, L33.	8.3	45
18	THE GAS MASS OF STAR-FORMING GALAXIES AT z â‰ˆ 1.3. Astrophysical Journal Letters, 2016, 818, L28.	8.3	45

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19	Molecular gas at intermediate redshifts. Astronomy and Astrophysics, 2002, 381, L73-L76.	5.1	44
20	Atomic Hydrogen in Star-forming Galaxies at Intermediate Redshifts. Astrophysical Journal Letters, 2019, 882, L7.	8.3	41
21	Constraints on changes in the protonâ€“electron mass ratio using methanol lines. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 448, L104-L108.	3.3	40
22	21-cm absorption studies with the Square Kilometer Array. New Astronomy Reviews, 2004, 48, 1259-1270.	12.8	39
23	The temperature of the diffuse Hâ€‰i in the Milky Way â€“ I. High resolution Hâ€‰i-21â€‰cm absorption studies. Monthly Notices of the Royal Astronomical Society, 2013, 436, 2352-2365.	4.4	39
24	The temperature of the diffuse Hâ€‰i in the Milky Way - II. Gaussian decomposition of the Hâ€‰i-21â€‰cm absorption spectra. Monthly Notices of the Royal Astronomical Society, 2013, 436, 2366-2385.	4.4	38
25	ON DETECTING MILLISECOND PULSARS AT THE GALACTIC CENTER. Astrophysical Journal, 2015, 805, 172.	4.5	38
26	Conjugate 18Âcm OH Satellite Lines at a Cosmological Distance. Physical Review Letters, 2004, 93, 051302.	7.8	36
27	H I 21 cm absorption at z Â 2.347 towards PKS B0438-436. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 370, L46-L50.	3.3	36
28	Hâ€ƒi 21-cm absorption at zâˆ¼ 3.39 towards PKS 0201+113. Monthly Notices of the Royal Astronomical Society, 2007, 375, 1528-1536.	4.4	36
29	A METALLICITY-SPIN TEMPERATURE RELATION IN DAMPED LyÎ± SYSTEMS. Astrophysical Journal, 2009, 705, L40-L44.	4.5	36
30	The covering factor of high-redshift damped Lyman-Î± systems. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 394, L61-L65.	3.3	36
31	The temperature of the warm neutral medium in the Milky Way. Monthly Notices of the Royal Astronomical Society, 2003, 346, L57-L61.	4.4	35
32	Hâ€ƒi content, metallicities and spin temperatures of damped and sub-damped LyÎ± systems in the redshift desert (0.6 < zabs < 1.7)â€¦. Monthly Notices of the Royal Astronomical Society, 2012, 424, 293-312.	4.4	34
33	Detection of OH and wide Hâ€ƒi absorption toward B0218+357. Monthly Notices of the Royal Astronomical Society, 2003, 345, L7-L11.	4.4	33
34	Directly imaging damped Lyman Î± galaxies at zâ€ƒ>â€ƒ2 - I. Methodology and first resultsâ€¦. Monthly Notices of the Royal Astronomical Society, 0, 408, 362-382.	4.4	33
35	Directly imaging damped LyÎ± galaxies at zÂ>Â2 â€“ II. Imaging and spectroscopic observations of 32 quasar fields. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1282-1300.	4.4	33
36	Linking gas and galaxies at high redshift: MUSE surveys the environments of six damped LyÎ± systems at z â‰ˆ 3. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5070-5096.	4.4	33

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37	A Giant Metrewave Radio Telescope search for associated Hâ€‰i 21â€‰cm absorption in GHz-peaked-spectrum sources. Monthly Notices of the Royal Astronomical Society, 2018, 473, 59-67.	4.4	32
38	FIRST CONNECTION BETWEEN COLD GAS IN EMISSION AND ABSORPTION: CO EMISSION FROM A GALAXYâ€“QUASAR PAIR. Astrophysical Journal Letters, 2016, 820, L39.	8.3	31
39	A Giant Metrewave Radio Telescope search for associated Hâ€‰i 21Âcm absorption in high-redshift flat-spectrum sources. Monthly Notices of the Royal Astronomical Society, 2016, 455, 4000-4012.	4.4	31
40	Molecular Emission from a Galaxy Associated with a z âˆ¼ 2.2 Damped LyÎ± Absorber. Astrophysical Journal Letters, 2018, 856, L12.	8.3	31
41	Discovery of 21-cm absorption in a zabs = 2.289 damped Lyman Â system towards TXS 0311+430: the first low spin temperature absorber at z > 1. Monthly Notices of the Royal Astronomical Society: Letters, 2007, 382, L53-L57.	3.3	30
42	PROBING FUNDAMENTAL CONSTANT EVOLUTION WITH REDSHIFTED CONJUGATE-SATELLITE OH LINES. Astrophysical Journal Letters, 2010, 716, L23-L26.	8.3	28
43	[C ii] 158 Î¼m Emission from zÂâˆ¼Â4 H i Absorption-selected Galaxies. Astrophysical Journal Letters, 2019, 870, L19.	8.3	28
44	HI absorption in a gravitational lens at z ~ 0.7645. Astronomy and Astrophysics, 2003, 412, L29-L32.	5.1	28
45	First measurement of HÂ<scp>i</scp> 21Âcm emission from a GRB host galaxy indicates a post-merger system. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 454, L51-L55.	3.3	27
46	Massive, Absorption-selected Galaxies at Intermediate Redshifts. Astrophysical Journal Letters, 2018, 856, L23.	8.3	27
47	ALMA + VLT observations of a damped Lyman-Î± absorbing galaxy: massive, wide CO emission, gas-rich but with very low SFR. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4039-4055.	4.4	27
48	HI 21Âcm imaging of a nearby damped Lyman-Î± system. Astronomy and Astrophysics, 2002, 388, 383-388.	5.1	24
49	A Giant Metrewave Radio Telescope survey for associated Hâ€‰i 21â€‰cm absorption in the Caltechâ€“Jodrell flat-spectrum sample. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1578-1596.	4.4	24
50	Giant Metrewave Radio Telescope Detection of Hi 21 cm Emission from Star-forming Galaxies at z â‰ˆ 1.3. Astrophysical Journal Letters, 2021, 913, L24.	8.3	24
51	PROBING FUNDAMENTAL CONSTANT EVOLUTION WITH NEUTRAL ATOMIC GAS LINES. Astrophysical Journal Letters, 2010, 712, L148-L152.	8.3	23
52	ATCA search for 21 cm emission from a candidate damped Ly-Î±absorber at ${vec z} = 0.101$. Astronomy and Astrophysics, 2001, 367, 46-50.	5.1	23
53	Giant Metrewave Radio Telescope detection of associated Hâ€‰i 21-cm absorption atzÂ=Â1.2230 towards TXSÂ1954+513. Monthly Notices of the Royal Astronomical Society, 2017, 465, 5011-5015.	4.4	21
54	INVISIBLE ACTIVE GALACTIC NUCLEI. II. RADIO MORPHOLOGIES AND FIVE NEW H i 21 cm ABSORPTION LINE DETECTORS. Astronomical Journal, 2016, 151, 74.	4.7	19

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55	ALMA observations of a metal-rich damped LyÂÎ± absorber at z = 2.5832: evidence for strong galactic winds in a galaxy group. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2126-2132.	4.4	19
56	Giant Metrewave Radio Telescope Monitoring of the Black Hole X-Ray Binary, V404 Cygni during Its 2015 June Outburst. Astrophysical Journal, 2017, 846, 111.	4.5	18
57	Stringent Constraints on Fundamental Constant Evolution Using Conjugate 18Âcm Satellite OH Lines. Physical Review Letters, 2018, 120, 061302.	7.8	17
58	Hâ€‰<scp>i</scp> 21â€‰cm mapping of the host galaxy of AT2018cow: a fast-evolving luminous transient within a ring of high column density gas. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 485, L93-L97.	3.3	17
59	The host galaxy of GRB 980425/SN1998bw: a collisional ring galaxy. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5411-5422.	4.4	17
60	Outflowing atomic and molecular gas at zâ¼ 0.67 towards 1504 + 377. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 384, L6-L10.	3.3	16
61	ORT observations of the damped Lyman Î± system towards PKS 0201 + 113. Monthly Notices of the Royal Astronomical Society, 1997, 292, 831-834.	4.4	15
62	A search for Hâ€‰i 21Âcm absorption towards a radio-selected quasar sample â€“ II. A new low spin temperature DLA at high redshift. Monthly Notices of the Royal Astronomical Society, 2013, 428, 532-539.	4.4	15
63	GIANT METREWAVE RADIO TELESCOPE DETECTION OF TWO NEW H I 21 cm ABSORBERS AT z â‰ˆ 2. Astrophysical Journal Letters, 2014, 797, L20.	8.3	15
64	Giant Metrewave Radio Telescope Detections of Two High-opacity Hi 21 cm Absorbers at zÂâ‰ˆÂ1.2. Astrophysical Journal Letters, 2020, 900, L30.	8.3	15
65	Statistical properties of Faraday rotation measure in external galaxies â€“ I. Intervening disc galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2528-2546.	4.4	14
66	High Molecular Gas Masses in Absorption-selected Galaxies at zÂâ‰ˆÂ2. Astrophysical Journal Letters, 2020, 901, L5.	8.3	14
67	A new 21-cm absorber identified with an $L sim L^star$ galaxy. Astronomy and Astrophysics, 2002, 382, 838-842.	5.1	13
68	DO THE FUNDAMENTAL CONSTANTS CHANGE WITH TIME?. Modern Physics Letters A, 2008, 23, 2711-2725.	1.2	13
69	ALMA Observations of Molecular Absorption in the Gravitational Lens PMN 0134â^'0931 at zÂ=Â0.7645. Astrophysical Journal, 2018, 864, 73.	4.5	12
70	Probing Star Formation in Galaxies at zÂâ‰ˆÂ1 via a Giant Metrewave Radio Telescope Stacking Analysis. Astrophysical Journal, 2018, 865, 39.	4.5	11
71	ALMA C ii 158 Î¼m Imaging of an H i-selected Major Merger at zÂâ^¼Â4. Astrophysical Journal Letters, 2019, 886, L35.	8.3	10
72	A study of submillimeter methanol absorption toward PKS 1830â^'211:. Astronomy and Astrophysics, 2021, 652, A5.	5.1	10

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73	A BLIND GREEN BANK TELESCOPE MILLIMETER-WAVE SURVEY FOR REDSHIFTED MOLECULAR ABSORPTION. Astrophysical Journal, 2014, 782, 56.	4.5	8
74	The gas and stellar mass of low-redshift damped Lyman-Î± absorbers. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 473, L54-L58.	3.3	8
75	Insufficient Gas Accretion Caused the Decline in Cosmic Star-formation Activity Eight Billion Years Ago. Astrophysical Journal Letters, 2022, 931, L34.	8.3	8
76	The strange case of a sub-DLA with very little HI. Astronomy and Astrophysics, 2005, 429, L51-L54.	5.1	7
77	A search for HÎ± emission in high-metallicity damped Lyman Î± systems at zÂâˆ¼Â2.4. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2832-2839.	4.4	7
78	The Atomic Gas Mass of Green Pea Galaxies. Astrophysical Journal Letters, 2021, 913, L15.	8.3	7
79	The Nature of Hi-absorption-selected Galaxies at z â‰ˆ 4. Astrophysical Journal, 2021, 921, 68.	4.5	7
80	A Fast Radio Burst Progenitor Born in a Galaxy Merger. Astrophysical Journal Letters, 2022, 925, L20.	8.3	7
81	A search for damped Lyman systems towards radio-loud quasars I: the optical survey. Monthly Notices of the Royal Astronomical Society, 2008, , ???-???.	4.4	6
82	The expanded Giant Metrewave Radio Telescope. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3007-3021.	4.4	6
83	Detection of the Galactic warm neutral medium in Hâ€‰<scp>i</scp> 21-cm absorption. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 479, L7-L11.	3.3	5
84	A NEW CONSTRAINT ON THE MOLECULAR OXYGEN ABUNDANCE AT z â‰ˆ 0.886. Astrophysical Journal Letters, 2015, 811, L23.	8.3	4
85	CO excitation and line energy distributions in gas-selected galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2346-2355.	4.4	4
86	Jansky Very Large Array Detections of CO(1â€“0) Emission in H i-absorption-selected Galaxies at z â‰³ 2. Astrophysical Journal Letters, 2022, 933, L42.	8.3	4
87	Constraints on the gas masses of low-z damped Lyman Î± systems. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 443, L29-L33.	3.3	3
88	Redshift evolution of the Hâ€¯I detection rate in radio-loud active galactic nuclei. Astronomy and Astrophysics, 2022, 659, A185.	5.1	3
89	A Green Pea Starburst Arising from a Galaxyâ€“Galaxy Merger. Astrophysical Journal Letters, 2022, 933, L11.	8.3	2
90	HI 21cm absorption studies of damped Lyman-$alpha$ systems. Proceedings of the International Astronomical Union, 2005, 1, 156-161.	0.0	1

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91	Atomic Hydrogen in Distant Galaxies. Resonance, 2021, 26, 919-938.	0.3	1
92	The nature of low redshift damped Ly-Î± systems. Pramana - Journal of Physics, 1999, 53, 1013-1019.	1.8	0
93	HI 21 cm Absorption Studies: Prospects. AIP Conference Proceedings, 2008, , .	0.4	0
94	Probing fundamental constant evolution with redshifted radio lines. Proceedings of the International Astronomical Union, 2009, 5, 323-323.	0.0	0
95	Probing fundamental constant evolution with redshifted spectral lines. , 2012, , 51-75.		0