

Huib Intema

List of Publications by Year in descending order

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138
papers

7,523
citations

81889

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56717

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docs citations

139
times ranked

5182
citing authors

#	ARTICLE	IF	CITATIONS
1	Late-time Evolution and Modeling of the Off-axis Gamma-Ray Burst Candidate FIRST J141918.9+394036. <i>Astrophysical Journal</i> , 2022, 924, 16.	4.5	7
2	Discovery, Timing, and Multiwavelength Observations of the Black Widow Millisecond Pulsar PSR J1555-2908. <i>Astrophysical Journal</i> , 2022, 927, 216.	4.5	12
3	Unexpected circular radio objects at high Galactic latitude. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	3.4	29
4	Investigation of the double-lobed sources of the Cygnus constellation core. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	3.4	0
5	Radio Counterparts of Gamma-Ray Sources in the Cygnus Region. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 17.	7.7	5
6	Limits on long-time-scale radio transients at 150 MHz using the TGSS ADR1 and LoTSS DR2 catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2412-2425.	4.4	4
7	The Panchromatic Afterglow of GW170817: The Full Uniform Data Set, Modeling, Comparison with Previous Results, and Implications. <i>Astrophysical Journal</i> , 2021, 922, 154.	4.5	27
8	ASKAP reveals giant radio halos in two merging SPT galaxy clusters. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	10
9	Megahertz emission of massive early-type stars in the Cygnus region. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	7
10	All-sky angular power spectrum. Estimating brightness temperature fluctuations using the 150-MHz TGSS survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1936-1945.	4.4	17
11	A probabilistic approach to direction-dependent ionospheric calibration. <i>Astronomy and Astrophysics</i> , 2020, 633, A77.	5.1	8
12	Evidence of AGN feedback and sloshing in the X-ray luminous NGC 1550 galaxy group. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1471-1487.	4.4	21
13	A LOFAR observation of ionospheric scintillation from two simultaneous travelling ionospheric disturbances. <i>Journal of Space Weather and Space Climate</i> , 2020, 10, 10.	3.3	20
14	High-resolution VLA low radio frequency observations of the Perseus cluster: radio lobes, mini-halo, and bent-jet radio galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5791-5805.	4.4	23
15	A low-frequency radio halo survey of the South Pole Telescope SZ-selected clusters with the GMRT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2236-2249.	4.4	4
16	Probing the Origin of Diffuse Radio Emission in the Cool Core of the Phoenix Galaxy Cluster. <i>Astrophysical Journal</i> , 2020, 889, 128.	4.5	5
17	A massive cluster at $z=0.288$ caught in the process of formation: The case of Abell 959. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4775-4789.	4.4	16
18	Scalability model for the LOFAR direction independent pipeline. <i>Astronomy and Computing</i> , 2019, 28, 100293.	1.7	1

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19	Low-frequency radio study of MACS clusters at 610 and 235 MHz using the GMRT. Monthly Notices of the Royal Astronomical Society, 2019, 489, 446-458.	4.4	10
20	A GMRT 150 MHz search for variables and transients in Stripe 82. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4898-4906.	4.4	10
21	Detailed study of ELAIS N1 field with the uGMRT II. Source properties and spectral variation of foreground power spectrum from 300-500 MHz observations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 243-259.	4.4	28
22	The complete local volume groups sample III. Characteristics of group central radio galaxies in the Local Universe. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2488-2504.	4.4	13
23	Observations of a pre-merger shock in colliding clusters of galaxies. Nature Astronomy, 2019, 3, 838-843.	10.1	23
24	Ultra-steep spectrum emission in the merging galaxy cluster Abell 1914. Astronomy and Astrophysics, 2019, 622, A22.	5.1	21
25	GMRT 610 MHz observations of galaxy clusters in the ACT equatorial sample. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1332-1349.	4.4	12
26	Radio observations of the merging galaxy cluster Abell 520. Astronomy and Astrophysics, 2019, 622, A20.	5.1	37
27	Systematic effects in LOFAR data: A unified calibration strategy. Astronomy and Astrophysics, 2019, 622, A5.	5.1	122
28	The VLA-COSMOS 3 GHz Large Project: Average radio spectral energy distribution of highly star-forming galaxies. Astronomy and Astrophysics, 2019, 621, A139.	5.1	21
29	The LOFAR Two-metre Sky Survey. Astronomy and Astrophysics, 2019, 622, A1.	5.1	369
30	The spectacular cluster chain Abell 781 as observed with LOFAR, GMRT, and XMM-Newton.	5.1	10
31	A LOFAR study of non-merging massive galaxy clusters. Astronomy and Astrophysics, 2019, 622, A24.	5.1	48
32	Evolutionary phases of merging clusters as seen by LOFAR. Astronomy and Astrophysics, 2019, 622, A25.	5.1	19
33	Radio observations of the merging galaxy cluster Abell 520 (Corrigendum). Astronomy and Astrophysics, 2019, 624, C1.	5.1	1
34	The VLA Low-Band Ionosphere and Transient Experiment (VLITE): Ionospheric Signal Processing and Analysis. Radio Science, 2019, 54, 1002-1035.	1.6	7
35	A radio spectral index map and catalogue at 147-1400 MHz covering 80 per cent of the sky. Monthly Notices of the Royal Astronomical Society, 2018, 474, 5008-5022.	4.4	79
36	An image-based search for pulsars among Fermi unassociated LAT sources. Monthly Notices of the Royal Astronomical Society, 2018, 475, 942-954.	4.4	29

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37	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2018, 620, A14.	5.1	14
38	Duty cycle of the radio galaxy B2 0258+35. <i>Astronomy and Astrophysics</i> , 2018, 618, A45.	5.1	30
39	Fast and Reproducible LOFAR Workflows with AGLOW. , 2018, , .		0
40	First evidence of diffuse ultra-steep-spectrum radio emission surrounding the cool core of a cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 2234-2242.	4.4	35
41	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2018, 620, A19.	5.1	7
42	Deep Very Large Array Observations of the Merging Cluster CIZA J2242.8+5301: Continuum and Spectral Imaging. <i>Astrophysical Journal</i> , 2018, 865, 24.	4.5	56
43	Discovery of large-scale diffuse radio emission in low-mass galaxy cluster Abell 1931. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3461-3468.	4.4	8
44	The effect of the ionosphere on ultra-low-frequency radio-interferometric observations. <i>Astronomy and Astrophysics</i> , 2018, 615, A179.	5.1	49
45	Pipeline Collector: Gathering performance data for distributed astronomical pipelines. <i>Astronomy and Computing</i> , 2018, 24, 117-128.	1.7	4
46	Probing the non-thermal emission in the Perseus cluster with the JVLA. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 44-52.	0.0	0
47	LOFAR discovery of an ultra-steep radio halo and giant head-tail radio galaxy in Abell 1132. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3536-3546.	4.4	52
48	ATCA observations of the MACS-Planck Radio Halo Cluster Project. <i>Astronomy and Astrophysics</i> , 2018, 611, A94.	5.1	4
49	A search for faint high-redshift radio galaxy candidates at 150 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 5041-5058.	4.4	23
50	Discovery of a radio galaxy at $z = 5.72$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2733-2742.	4.4	50
51	LOFAR reveals the giant: a low-frequency radio continuum study of the outflow in the nearby FR I radio galaxy 3C 31. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 5049-5067.	4.4	32
52	Deep VLA Observations of the Cluster 1RXS J0603.3+4214 in the Frequency Range of 1–2 GHz. <i>Astrophysical Journal</i> , 2018, 852, 65.	4.5	63
53	Signatures of multiple episodes of AGN activity in the core of Abell 1795. <i>Astronomy and Astrophysics</i> , 2018, 618, A152.	5.1	9
54	Mpc-scale diffuse radio emission in two massive cool-core clusters of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 996-1009.	4.4	29

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55	The VLA-COSMOS 3 GHz Large Project: Continuum data and source catalog release. <i>Astronomy and Astrophysics</i> , 2017, 602, A1.	5.1	230
56	A study of diffuse radio sources and X-ray emission in six massive clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2752-2765.	4.4	21
57	Gentle reenergization of electrons in merging galaxy clusters. <i>Science Advances</i> , 2017, 3, e1701634.	10.3	65
58	Calibration of Ultraviolet, Mid-infrared, and Radio Star Formation Rate Indicators. <i>Astrophysical Journal</i> , 2017, 847, 136.	4.5	50
59	LOFAR MSSS: The scaling relation between AGN cavity power and radio luminosity at low radio frequencies. <i>Astronomy and Astrophysics</i> , 2017, 605, A48.	5.1	13
60	A search for long-time-scale, low-frequency radio transients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1944-1953.	4.4	30
61	The GMRT 150 MHz all-sky radio survey. <i>Astronomy and Astrophysics</i> , 2017, 598, A78.	5.1	595
62	The LOFAR window on star-forming galaxies and AGNs – curved radio SEDs and IR–radio correlation at $0.2 < z < 2.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 3468-3488.	4.4	96
63	Deep 230–470 MHz VLA observations of the mini-halo in the Perseus cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 3872-3880.	4.4	28
64	Is there a giant Kelvin–Helmholtz instability in the sloshing cold front of the Perseus cluster?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 2506-2516.	4.4	50
65	Reassessment of an Origin of the Radio Structure of J1420–0545. <i>Astrophysical Journal</i> , 2017, 850, 7.	4.5	1
66	Searching for pulsars associated with the Fermi GeV excess. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 2526-2531.	4.4	15
67	The effect of the ionosphere on astronomical observations below 100 MHz. , 2017, , .		0
68	Complex diffuse emission in the $z = 0.52$ cluster PLCK G004.5-19.5. <i>Astronomy and Astrophysics</i> , 2017, 607, A4.	5.1	5
69	Tracing low-mass galaxy clusters using radio relics: the discovery of Abell 3527-bis. <i>Astronomy and Astrophysics</i> , 2017, 597, A15.	5.1	9
70	(Sub)millimetre interferometric imaging of a sample of COSMOS/AzTEC submillimetre galaxies. <i>Astronomy and Astrophysics</i> , 2017, 597, A5.	5.1	17
71	Average radio spectral energy distribution of highly star-forming galaxies. <i>Proceedings of the International Astronomical Union</i> , 2017, 12, 191-194.	0.0	0
72	A study of high-redshift AGN feedback in SZ cluster samples. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1766-1787.	4.4	24

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73	Deep LOFAR observations of the merging galaxy cluster CIZA J2242.8+5301. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1107-1125.	4.4	56
74	The angular power spectrum measurement of the Galactic synchrotron emission using the TGSS survey. Proceedings of the International Astronomical Union, 2017, 12, 157-161.	0.0	0
75	The LOFAR Two-metre Sky Survey. Astronomy and Astrophysics, 2017, 598, A104.	5.1	400
76	An ALMA survey of submillimetre galaxies in the COSMOS field: Physical properties derived from energy balance spectral energy distribution modelling. Astronomy and Astrophysics, 2017, 606, A17.	5.1	61
77	LBCS: The LOFAR Long-Baseline Calibrator Survey. Astronomy and Astrophysics, 2016, 595, A86.	5.1	29
78	ATCA observations of the MACS-Planck Radio Halo Cluster Project. Astronomy and Astrophysics, 2016, 595, A116.	5.1	22
79	LOFAR FACET CALIBRATION. Astrophysical Journal, Supplement Series, 2016, 223, 2.	7.7	184
80	The MHz-peaked radio spectrum of the unusual γ -ray source PMN J1603+4904. Astronomy and Astrophysics, 2016, 593, L19.	5.1	8
81	The radio spectral energy distribution of infrared-faint radio sources. Astronomy and Astrophysics, 2016, 593, A130.	5.1	8
82	KNOWN PULSARS IDENTIFIED IN THE GMRT 150 MHz ALL-SKY SURVEY. Astrophysical Journal, 2016, 829, 119.	4.5	31
83	A large light-mass component of cosmic rays at 1017 eV. Nature, 2016, 531, 70-73.	27.8	116
84	FR II radio galaxies at low frequencies I. Morphology, magnetic field strength and energetics. Monthly Notices of the Royal Astronomical Society, 2016, 458, 4443-4455.	4.4	47
85	What are the megahertz peaked-spectrum sources?. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2455-2471.	4.4	23
86	LOFAR, VLA, AND CHANDRA OBSERVATIONS OF THE TOOTHBRUSH GALAXY CLUSTER. Astrophysical Journal, 2016, 818, 204.	4.5	130
87	A MULTI-RESOLUTION, MULTI-EPOCH LOW RADIO FREQUENCY SURVEY OF THE Kepler K2 MISSION CAMPAIGN 1 FIELD. Astronomical Journal, 2016, 152, 82.	4.7	9
88	Pulsar candidates towards Fermi unassociated sources. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1062-1067.	4.4	14
89	A shock front at the radio relic of Abell 2744. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1302-1307.	4.4	55
90	A giant radio halo in a low-mass SZ-selected galaxy cluster: ACT-CL J0256.5+0006. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4240-4258.	4.4	12

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91	A plethora of diffuse steep spectrum radio sources in Abell 2034 revealed by LOFAR. Monthly Notices of the Royal Astronomical Society, 2016, 459, 277-290.	4.4	46
92	MULTI-WAVELENGTH OBSERVATIONS OF THE DISSOCIATIVE MERGER IN THE GALAXY CLUSTER CIZA J0107.7+5408. Astrophysical Journal, 2016, 823, 94.	4.5	9
93	AN OH(1720 MHZ) MASER AND A NONTHERMAL RADIO SOURCE IN SGR B2(M): AN SNRâ€™MOLECULAR CLOUD INTERACTION SITE?. Astrophysical Journal Letters, 2016, 819, L35.	8.3	6
94	MEASUREMENTS OF THE SUNYAEVâ€™ZELâ€™DOVICH EFFECT IN MACS J0647.7+7015 AND MACS J1206.2â€™0847 AT HIGH ANGULAR RESOLUTION WITH MUSTANG. Astrophysical Journal, 2015, 809, 185.	4.5	12
95	The peculiar radio galaxy 4C 35.06: a case for recurrent AGN activity?. Astronomy and Astrophysics, 2015, 579, A27.	5.1	25
96	RESOLVING THE MERGING <i>PLANCK</i> CLUSTER PLCK G147.3-16.6 WITH GISMO. Astrophysical Journal Letters, 2015, 808, L6.	8.3	3
97	A powerful double radio relic system discovered in PSZ1 G108.18-11.53: evidence for a shock with non-uniform Mach number?. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3484-3499.	4.4	31
98	Physical properties of <i>z</i>> 4 submillimeter galaxies in the COSMOS field. Astronomy and Astrophysics, 2015, 576, A127.	5.1	43
99	Wide-field LOFAR imaging of the field around the double-double radio galaxy B1834+620. Astronomy and Astrophysics, 2015, 584, A112.	5.1	30
100	The LOFAR Multifrequency Snapshot Sky Survey (MSSS). Astronomy and Astrophysics, 2015, 582, A123.	5.1	85
101	Radio haloes in Sunyaevâ€™Zel'dovich-selected clusters of galaxies: the making of a halo?. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3391-3402.	4.4	22
102	New insights from deep VLA data on the potentially recoiling black hole CID-42 in the COSMOS field. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1282-1288.	4.4	20
103	SPECTROSCOPIC CONFIRMATION OF AN ULTRAMASSIVE AND COMPACT GALAXY AT <i>z</i> = 3.35: A DETAILED LOOK AT AN EARLY PROGENITOR OF LOCAL GIANT ELLIPTICALS. Astrophysical Journal, 2015, 801, 133.	4.5	42
104	A new double radio relic in PSZ1 G096.89+24.17 and a radio relic massâ€™luminosity relation. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3130-3138.	4.4	81
105	A giant radio halo in the cool core cluster CL1821+643. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 444, L44-L48.	3.3	60
106	Filaments in the southern giant lobe of Centaurus A: constraints on nature and origin from modelling and GMRT observations. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2867-2882.	4.4	15
107	EVIDENCE FOR PARTICLE RE-ACCELERATION IN THE RADIO RELIC IN THE GALAXY CLUSTER PLCKG287.0+32.9. Astrophysical Journal, 2014, 785, 1.	4.5	111
108	A DISTANT RADIO MINI-HALO IN THE PHOENIX GALAXY CLUSTER. Astrophysical Journal Letters, 2014, 786, L17.	8.3	29

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109	The diffuse radio emission around NGC 5580 and NGC 5588. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1542-1550.	4.4	13
110	LOFAR LOW-BAND ANTENNA OBSERVATIONS OF THE 3C 295 AND BOÅ–TES FIELDS: SOURCE COUNTS AND ULTRA-STEEP SPECTRUM SOURCES. Astrophysical Journal, 2014, 793, 82.	4.5	29
111	THE DISCOVERY OF A RADIO HALO IN PLCK G147.3â€“16.6 AT $Z = 0.65$. Astrophysical Journal Letters, 2014, 781, L32.	8.3	14
112	Advanced spectral analysis of ionospheric waves observed with sparse arrays. Journal of Geophysical Research: Space Physics, 2014, 119, 1392-1413.	2.4	8
113	Discovery of large-scale diffuse radio emission and of a new galaxy cluster in the surroundings of MACSJ0520.7-1328. Astronomy and Astrophysics, 2014, 565, A13.	5.1	12
114	A new era for low frequency Galactic center transient monitoring. Proceedings of the International Astronomical Union, 2013, 9, 458-460.	0.0	0
115	LOFAR detections of low-frequency radio recombination lines towards Cassiopeia A. Astronomy and Astrophysics, 2013, 551, L11.	5.1	13
116	LOFAR: The LOw-Frequency ARray. Astronomy and Astrophysics, 2013, 556, A2.	5.1	1,755
117	T-RaMiSu: the Two-meter Radio Mini Survey. Astronomy and Astrophysics, 2013, 549, A55.	5.1	42
118	153 MHz GMRT follow-up of steep-spectrum diffuse emission in galaxy clusters. Astronomy and Astrophysics, 2013, 551, A141.	5.1	37
119	Discovery of spectral curvature in the shock downstream region: CIZA J2242.8+5301. Astronomy and Astrophysics, 2013, 555, A110.	5.1	64
120	A new technique for spectral analysis of ionospheric TEC fluctuations observed with the Very Large Array VHF system: From QP echoes to MSTIDs. Radio Science, 2012, 47, .	1.6	24
121	High-precision measurements of ionospheric TEC gradients with the Very Large Array VHF system. Radio Science, 2012, 47, .	1.6	23
122	First LOFAR observations at very low frequencies of cluster-scale non-thermal emission: the case of Abell2256. Astronomy and Astrophysics, 2012, 543, A43.	5.1	55
123	The ‘‘toothbrush-relic’’ evidence for a coherent linear 2-Mpc scale shock wave in a massive merging galaxy cluster?. Astronomy and Astrophysics, 2012, 546, A124.	5.1	111
124	Very large array observations of disturbed ion flow from the plasmasphere to the nighttime ionosphere. Radio Science, 2012, 47, .	1.6	16
125	Discovery of the correspondence between intra-cluster radio emission and a high pressure region detected through the Sunyaev-Zelâ€™dovich effect. Astronomy and Astrophysics, 2011, 534, L12.	5.1	22
126	Deep low-frequency radio observations of the NOAO BoÅ–tes field. Astronomy and Astrophysics, 2011, 535, A38.	5.1	60

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127	A double radio relic in the merging galaxy cluster ZwCl0008.8+5215. <i>Astronomy and Astrophysics</i> , 2011, 528, A38.	5.1	58
128	Radio continuum observations of new radio halos and relics from the NVSS and WENSS surveys. <i>Astronomy and Astrophysics</i> , 2011, 533, A35.	5.1	84
129	The case of 3C326: VLA 74 MHz observations during a geomagnetic storm. , 2010, , .		0
130	The discovery of diffuse steep spectrum sources in Abell 2256. <i>Astronomy and Astrophysics</i> , 2009, 508, 1269-1273.	5.1	19
131	Ionospheric calibration of low frequency radio interferometric observations using the peeling scheme. <i>Astronomy and Astrophysics</i> , 2009, 501, 1185-1205.	5.1	254
132	Radio observations of ZwCl 2341.1+0000: a double radio relic cluster. <i>Astronomy and Astrophysics</i> , 2009, 506, 1083-1094.	5.1	70
133	Ionospheric calibration for low frequency arrays using the peeling scheme. , 2008, , .		0
134	Large-scale structure of Lyman break galaxies around a radio galaxy protocluster at $z \sim 4$. <i>Astronomy and Astrophysics</i> , 2006, 456, 433-437.	5.1	24
135	Radio spectra of bright compact sources at $z > 4.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , 215.	4.4	13
136	High-resolution Observations of Low-luminosity Gigahertz-Peaked Spectrum and Compact Steep Spectrum Sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	10
137	Radio observations of the double-relic galaxy cluster Abell 1240. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	12
138	Detailed study of the ELAIS N1 field with the uGMRT - I. Characterizing the 325 MHz foreground for redshifted 21 cm observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	17