

Marcus BrÃ¼ggen

List of Publications by Year in descending order

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178
papers

11,202
citations

36303

51
h-index

34986

98
g-index

178
all docs

178
docs citations

178
times ranked

5794
citing authors

#	ARTICLE	IF	CITATIONS
1	The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A13.	5.1	14
2	The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A2.	5.1	54
3	Studying the merging cluster Abell 3266 with eROSITA. <i>Astronomy and Astrophysics</i> , 2022, 661, A36.	5.1	18
4	The Galactic Faraday rotation sky 2020. <i>Astronomy and Astrophysics</i> , 2022, 657, A43.	5.1	49
5	The MeerKAT Galaxy Cluster Legacy Survey. <i>Astronomy and Astrophysics</i> , 2022, 657, A56.	5.1	49
6	The LOFAR Two-metre Sky Survey. <i>Astronomy and Astrophysics</i> , 2022, 659, A1.	5.1	169
7	Radio footprints of a minor merger in the Shapley Supercluster: From supercluster down to galactic scales. <i>Astronomy and Astrophysics</i> , 2022, 660, A81.	5.1	18
8	Inferring astrophysics and dark matter properties from 21 cm tomography using deep learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3446-3462.	4.4	4
9	MeerKAT view of the diffuse radio sources in Abell 3667 and their interactions with the thermal plasma. <i>Astronomy and Astrophysics</i> , 2022, 659, A146.	5.1	27
10	The <i>Planck</i> clusters in the LOFAR sky. <i>Astronomy and Astrophysics</i> , 2022, 660, A78.	5.1	30
11	A LOFAR view into the stormy environment of the galaxy cluster 2A0335+096. <i>Astronomy and Astrophysics</i> , 2022, 659, A20.	5.1	13
12	The discovery of a radio galaxy of at least 5 Mpc. <i>Astronomy and Astrophysics</i> , 2022, 660, A2.	5.1	17
13	Deep Low-frequency Radio Observations of A2256. I. The Filamentary Radio Relic. <i>Astrophysical Journal</i> , 2022, 927, 80.	4.5	16
14	Unequal-mass mergers of dark matter haloes with rare and frequent self-interactions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4080-4099.	4.4	9
15	Evolution of Primordial Magnetic Fields during Large-scale Structure Formation. <i>Astrophysical Journal</i> , 2022, 929, 127.	4.5	14
16	Particle re-acceleration and diffuse radio sources in the galaxy cluster Abell 1550. <i>Astronomy and Astrophysics</i> , 2022, 663, A105.	5.1	5
17	The redshift evolution of extragalactic magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 256-270.	4.4	12
18	The Coma Cluster at LOFAR Frequencies. II. The Halo, Relic, and a New Accretion Relic. <i>Astrophysical Journal</i> , 2022, 933, 218.	4.5	29

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19	Fast magnetic field amplification in distant galaxy clusters. <i>Nature Astronomy</i> , 2021, 5, 268-275.	10.1	31
20	The ultra-steep diffuse radio emission observed in the cool-core cluster RX J1720.1+2638 with LOFAR at 54 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 3995-4007.	4.4	23
21	CHANG-ES XXIII: influence of a galactic wind in NGC 5775. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 658-684.	4.4	13
22	The intracluster magnetic field in the double relic galaxy cluster Abell 2345. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 2518-2535.	4.4	18
23	Radio observations of the merging galaxy cluster system Abell 3391-Abell 3395. <i>Astronomy and Astrophysics</i> , 2021, 647, A3.	5.1	25
24	First constraints on the AGN X-ray luminosity function at $z \sim 6$ from an eROSITA-detected quasar. <i>Astronomy and Astrophysics</i> , 2021, 647, A5.	5.1	26
25	The eROSITA X-ray telescope on SRG. <i>Astronomy and Astrophysics</i> , 2021, 647, A1.	5.1	426
26	Physical insights from the spectrum of the radio halo in MACS J0717.5+3745. <i>Astronomy and Astrophysics</i> , 2021, 646, A135.	5.1	28
27	Comment on "Constraining the annihilating dark matter mass by the radio continuum spectral data of the NGC4214 galaxy". <i>Physical Review D</i> , 2021, 103, .	4.7	3
28	The Abell 3391/95 galaxy cluster system. <i>Astronomy and Astrophysics</i> , 2021, 647, A2.	5.1	43
29	Discovery of a supercluster in the eROSITA Final Equatorial Depth Survey: X-ray properties, radio halo, and double relics. <i>Astronomy and Astrophysics</i> , 2021, 647, A4.	5.1	24
30	Understanding the radio relic emission in the galaxy cluster MACS J0717.5+3745: Spectral analysis. <i>Astronomy and Astrophysics</i> , 2021, 646, A56.	5.1	18
31	Downstream Depolarization in the Sausage Relic: A 1.4 GHz Very Large Array Study. <i>Astrophysical Journal</i> , 2021, 911, 3.	4.5	17
32	N -body simulations of dark matter with frequent self-interactions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 851-868.	4.4	13
33	The LOFAR LBA Sky Survey. <i>Astronomy and Astrophysics</i> , 2021, 648, A104.	5.1	64
34	The LOFAR Two-meter Sky Survey: Deep Fields Data Release 1. <i>Astronomy and Astrophysics</i> , 2021, 648, A3.	5.1	57
35	Diffuse radio emission from galaxy clusters in the LOFAR Two-metre Sky Survey Deep Fields. <i>Astronomy and Astrophysics</i> , 2021, 648, A11.	5.1	13
36	The LOFAR Two-meter Sky Survey: Deep Fields Data Release 1. <i>Astronomy and Astrophysics</i> , 2021, 648, A1.	5.1	131

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37	Nonthermal phenomena in the center of Abell 1775. <i>Astronomy and Astrophysics</i> , 2021, 649, A37.	5.1	19
38	Radio galaxies in galaxy groups: kinematics, scaling relations, and AGN feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2628-2637.	4.4	12
39	Radio relics in PSZ2-G096.88+24.18: a connection with pre-existing plasma. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4762-4774.	4.4	11
40	The LOFAR and JVLA view of the distant steep spectrum radio halo in MACS J1149.5+2223. <i>Astronomy and Astrophysics</i> , 2021, 650, A44.	5.1	21
41	Discovery of a Radio Halo (and Relic) in a $M ₅₀₀ \lesssim 10^{14} M_{\odot}$ Cluster. <i>Astrophysical Journal Letters</i> , 2021, 914, L29.	8.3	13
42	LOFAR observations of galaxy clusters in HETDEX. <i>Astronomy and Astrophysics</i> , 2021, 651, A115.	5.1	71
43	Shock-multicloud interactions in galactic outflows II. Radiative fractal clouds and cold gas thermodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5658-5680.	4.4	20
44	A LOFAR-uGMRT spectral index study of distant radio halos. <i>Astronomy and Astrophysics</i> , 2021, 654, A166.	5.1	10
45	Morphology of radio relics II. Properties of polarized emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2714-2734.	4.4	12
46	Simulating the transport of relativistic electrons and magnetic fields injected by radio galaxies in the intracluster medium. <i>Astronomy and Astrophysics</i> , 2021, 653, A23.	5.1	24
47	The LOFAR LBA Sky Survey: Deep Fields. <i>Astronomy and Astrophysics</i> , 2021, 655, A40.	5.1	8
48	The Coma Cluster at LOw Frequency ARray Frequencies. I. Insights into Particle Acceleration Mechanisms in the Radio Bridge. <i>Astrophysical Journal</i> , 2021, 907, 32.	4.5	34
49	MIGHTEE: are giant radio galaxies more common than we thought?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 3833-3845.	4.4	24
50	A 3.5 Mpc long radio relic in the galaxy cluster ClG 0217+70. <i>Astronomy and Astrophysics</i> , 2021, 656, A154.	5.1	15
51	Deep <i>Chandra</i> observations of merging galaxy cluster ZwCl 2341+0000. <i>Astronomy and Astrophysics</i> , 2021, 656, A59.	5.1	3
52	Magnetogenesis and the Cosmic Web: A Joint Challenge for Radio Observations and Numerical Simulations. <i>Galaxies</i> , 2021, 9, 109.	3.0	20
53	The EMU view of the Large Magellanic Cloud: troubles for sub-TeV WIMPs. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 046.	5.4	24
54	Modelling the Energy Spectra of Radio Relics. <i>Galaxies</i> , 2021, 9, 111.	3.0	4

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55	Redshift estimates for fast radio bursts and implications on intergalactic magnetic fields. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4811-4829.	4.4	11
56	Shockâ€“multicloud interactions in galactic outflows â€“ I. Cloud layers with lognormal density distributions. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2173-2195.	4.4	12
57	Square Kilometre Array Science Data Challenge 1: analysis and results. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3821-3837.	4.4	29
58	Turbulent pressure support and hydrostatic mass bias in the intracluster medium. Monthly Notices of the Royal Astronomical Society, 2020, 495, 864-885.	4.4	47
59	Radio constraints on dark matter annihilation in Canes Venatici I with LOFARâ€. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2663-2672.	4.4	14
60	The LOFAR view of intergalactic magnetic fields with giant radio galaxies. Astronomy and Astrophysics, 2020, 638, A48.	5.1	21
61	A new model for including galactic winds in simulations of galaxy formation â€“ I. Introducing the Physically Evolved Winds (PhEW) model. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2586-2604.	4.4	19
62	The relation between the diffuse X-ray luminosity and the radio power of the central AGN in galaxy groups. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2163-2174.	4.4	13
63	Discovering the most elusive radio relic in the sky: diffuse shock acceleration caught in the act?. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 496, L48-L53.	3.3	27
64	Revived fossil plasma sources in galaxy clusters. Astronomy and Astrophysics, 2020, 634, A4.	5.1	33
65	New constraints on the magnetization of the cosmic web using LOFAR Faraday rotation observations. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2607-2619.	4.4	44
66	LOFAR observations of X-ray cavity systems. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2613-2635.	4.4	32
67	Analytical model for cluster radio relics. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2306-2317.	4.4	22
68	The discovery of radio halos in the frontier fields clusters Abell S1063 and Abell 370. Astronomy and Astrophysics, 2020, 636, A3.	5.1	22
69	Reaching thermal noise at ultra-low radio frequencies. Astronomy and Astrophysics, 2020, 642, A85.	5.1	24
70	Morphology of radio relics â€“ I. What causes the substructure of synchrotron emission?. Monthly Notices of the Royal Astronomical Society, 2020, 500, 795-816.	4.4	28
71	Simulations and observational tests of primordial magnetic fields from Cosmic Microwave Background constraints. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5350-5368.	4.4	16
72	LOFAR detection of a low-power radio halo in the galaxy cluster Abellâ€™990. Monthly Notices of the Royal Astronomical Society, 2020, 501, 576-586.	4.4	8

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73	The Launching of Cold Clouds by Galaxy Outflows. III. The Influence of Magnetic Fields. <i>Astrophysical Journal</i> , 2020, 892, 59.	4.5	28
74	The Beautiful Mess in Abell 2255. <i>Astrophysical Journal</i> , 2020, 897, 93.	4.5	54
75	The Launching of Cold Clouds by Galaxy Outflows. IV. Cosmic-Ray-driven Acceleration. <i>Astrophysical Journal</i> , 2020, 905, 19.	4.5	22
76	Hemispheric Handedness in the Galactic Synchrotron Polarization Foreground. <i>Astrophysical Journal Letters</i> , 2020, 896, L14.	8.3	3
77	Detection of gravitational waves in circular particle accelerators. <i>Physical Review D</i> , 2020, 102, .	4.7	3
78	Characterizing the radio emission from the binary galaxy cluster merger Abell 2146. <i>Astronomy and Astrophysics</i> , 2019, 622, A21.	5.1	18
79	A massive cluster at $z \hat{=} 0.288$ 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
80	Polarization of radio relics in galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 3987-4006.	4.4	31
81	LOFAR Discovery of a Radio Halo in the High-redshift Galaxy Cluster PSZ2 G099.86+58.45. <i>Astrophysical Journal Letters</i> , 2019, 881, L18.	8.3	14
82	Fast radio burst dispersion measures and rotation measures and the origin of intergalactic magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4220-4238.	4.4	27
83	A radio ridge connecting two galaxy clusters in a filament of the cosmic web. <i>Science</i> , 2019, 364, 981-984.	12.6	96
84	Simulations of core formation for frequent dark matter self-interactions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 354-363.	4.4	16
85	Editorial to the Topical Collection on Clusters of Galaxies: Physics and Cosmology. <i>Space Science Reviews</i> , 2019, 215, 1.	8.1	3
86	On the dynamics and survival of fractal clouds in galactic winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4526-4544.	4.4	26
87	Dynamical evolution of magnetic fields in the intracluster medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 623-638.	4.4	45
88	Merging Cluster Collaboration: Optical and Spectroscopic Survey of a Radio-selected Sample of 29 Merging Galaxy Clusters. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 39.	7.7	30
89	The LoTSS view of radio AGN in the local Universe. <i>Astronomy and Astrophysics</i> , 2019, 622, A17.	5.1	110
90	Radio observations of the merging galaxy cluster Abell 520. <i>Astronomy and Astrophysics</i> , 2019, 622, A20.	5.1	37

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91	Systematic effects in LOFAR data: A unified calibration strategy. <i>Astronomy and Astrophysics</i> , 2019, 622, A5.	5.1	122
92	Diffuse Radio Emission from Galaxy Clusters. <i>Space Science Reviews</i> , 2019, 215, 1.	8.1	308
93	The LOFAR Two-metre Sky Survey. <i>Astronomy and Astrophysics</i> , 2019, 622, A1.	5.1	369
94	The spectacular cluster chain Abell 781 as observed with LOFAR, GMRT, and <i>XMM-Newton</i> . <i>Astronomy and Astrophysics</i> , 2019, 622, A19.	5.1	10
95	A LOFAR study of non-merging massive galaxy clusters. <i>Astronomy and Astrophysics</i> , 2019, 622, A24.	5.1	48
96	Evolutionary phases of merging clusters as seen by LOFAR. <i>Astronomy and Astrophysics</i> , 2019, 622, A25.	5.1	19
97	Particle acceleration in a nearby galaxy cluster pair: the role of cluster dynamics. <i>Astronomy and Astrophysics</i> , 2019, 630, A77.	5.1	21
98	Warped diffusive radio halo around the quiescent spiral edge-on galaxy NGC 4565. <i>Astronomy and Astrophysics</i> , 2019, 628, L3.	5.1	9
99	Calibrating the relation of low-frequency radio continuum to star formation rate at 1 kpc scale with LOFAR. <i>Astronomy and Astrophysics</i> , 2019, 622, A8.	5.1	23
100	Detecting shocked intergalactic gas with X-ray and radio observations. <i>Astronomy and Astrophysics</i> , 2019, 627, A5.	5.1	32
101	Merging Cluster Collaboration: A Panchromatic Atlas of Radio Relic Mergers. <i>Astrophysical Journal</i> , 2019, 882, 69.	4.5	37
102	Simulations of ultra-high energy cosmic rays in the local Universe and the origin of cosmic magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 2519-2529.	4.4	45
103	Probing the origin of extragalactic magnetic fields with Fast Radio Bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3907-3915.	4.4	30
104	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
105	Magnetic Field Amplification in Galaxy Clusters and Its Simulation. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	88
106	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
107	LOFAR discovery of radio emission in MACSJ0717.5+3745. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 2927-2938.	4.4	39
108	Exploring the making of a galactic wind in the starbursting dwarf irregular galaxy IC10 with LOFAR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1756-1764.	4.4	17

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109	LOFAR discovery of a double radio halo system in Abell 1758 and radio/X-ray study of the cluster pair. Monthly Notices of the Royal Astronomical Society, 2018, 478, 885-898.	4.4	45
110	Column Density Profiles of Cold Clouds Driven by Galactic Outflows. Astrophysical Journal, 2018, 864, 96.	4.5	6
111	Resolved magnetic dynamo action in the simulated intracluster medium. Monthly Notices of the Royal Astronomical Society, 2018, 474, 1672-1687.	4.4	93
112	LOFAR discovery of an ultra-steep radio halo and giant head-tail radio galaxy in Abell 1132. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3536-3546.	4.4	52
113	Deep VLA Observations of the Cluster 1RXS J0603.3+4214 in the Frequency Range of 1-2 GHz. Astrophysical Journal, 2018, 852, 65.	4.5	63
114	Turbulence and vorticity in Galaxy clusters generated by structure formation. Monthly Notices of the Royal Astronomical Society, 2017, 464, 210-230.	4.4	86
115	Gentle reenergization of electrons in merging galaxy clusters. Science Advances, 2017, 3, e1701634.	10.3	65
116	Evolution of vorticity and enstrophy in the intracluster medium. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3212-3225.	4.4	27
117	VLA Radio Observations of the HST Frontier Fields Cluster Abell 2744: The Discovery of New Radio Relics. Astrophysical Journal, 2017, 845, 81.	4.5	41
118	Simulations of extragalactic magnetic fields and of their observables. Classical and Quantum Gravity, 2017, 34, 234001.	4.0	82
119	Chandra and JVA Observations of HST Frontier Fields Cluster MACS J0717.5+3745. Astrophysical Journal, 2017, 835, 197.	4.5	46
120	Testing cosmic ray acceleration with radio relics: a high-resolution study using MHD and tracers. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4448-4462.	4.4	54
121	The LOFAR window on star-forming galaxies and AGNs - curved radio SEDs and IR-radio correlation at $z \lesssim 2.5$. Monthly Notices of the Royal Astronomical Society, 2017, 469, 3468-3488.	4.4	96
122	On the absence of radio haloes in clusters with double relics. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3465-3475.	4.4	41
123	A study of high-redshift AGN feedback in SZ cluster samples. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1766-1787.	4.4	24
124	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
125	The LOFAR Two-metre Sky Survey. Astronomy and Astrophysics, 2017, 598, A104.	5.1	400
126	LOFAR FACET CALIBRATION. Astrophysical Journal, Supplement Series, 2016, 223, 2.	7.7	184

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127	LOFAR, VLA, AND CHANDRA OBSERVATIONS OF THE TOOTHBRUSH GALAXY CLUSTER. <i>Astrophysical Journal</i> , 2016, 818, 204.	4.5	130
128	Propagation of ultrahigh energy cosmic rays in extragalactic magnetic fields: a view from cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 3660-3671.	4.4	38
129	LOFAR imaging of Cygnus A – direct detection of a turnover in the hotspot radio spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 3143-3150.	4.4	53
130	LOFAR 150-MHz observations of the Bootes field: catalogue and source counts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 2385-2412.	4.4	174
131	LOFAR/H-ATLAS: a deep low-frequency survey of the <i>Herschel</i> -ATLAS North Galactic Pole field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 1910-1936.	4.4	106
132	A plethora of diffuse steep spectrum radio sources in Abell 2034 revealed by LOFAR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 277-290.	4.4	46
133	THE LAUNCHING OF COLD CLOUDS BY GALAXY OUTFLOWS. II. THE ROLE OF THERMAL CONDUCTION. <i>Astrophysical Journal</i> , 2016, 822, 31.	4.5	99
134	Subarcsecond international LOFAR radio images of the M82 nucleus at 118%MHz and 154%MHz. <i>Astronomy and Astrophysics</i> , 2015, 574, A114.	3.1	36
135	Wide-field LOFAR imaging of the field around the double-double radio galaxy B1834+620. <i>Astronomy and Astrophysics</i> , 2015, 584, A112.	5.1	30
136	Forecasts for the detection of the magnetised cosmic web from cosmological simulations. <i>Astronomy and Astrophysics</i> , 2015, 580, A119.	5.1	61
137	Radio haloes in Sunyaev–Zeldovich-selected clusters of galaxies: the making of a halo?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 3391-3402.	4.4	22
138	THE LAUNCHING OF COLD CLOUDS BY GALAXY OUTFLOWS. I. HYDRODYNAMIC INTERACTIONS WITH RADIATIVE COOLING. <i>Astrophysical Journal</i> , 2015, 805, 158.	4.5	167
139	MC ² : GALAXY IMAGING AND REDSHIFT ANALYSIS OF THE MERGING CLUSTER CIZA J2242.8+5301. <i>Astrophysical Journal</i> , 2015, 805, 143.	4.5	35
140	<i>MC²</i> : CONSTRAINING THE DARK MATTER DISTRIBUTION OF THE VIOLENT MERGING GALAXY CLUSTER CIZA J2242.8+5301 BY PIERCING THROUGH THE MILKY WAY. <i>Astrophysical Journal</i> , 2015, 802, 46.	4.5	49
141	<i>Suzaku</i> X-ray study of the double radio relic galaxy cluster CIZA J2242.8+5301. <i>Astronomy and Astrophysics</i> , 2015, 582, A87.	5.1	48
142	On the amplification of magnetic fields in cosmic filaments and galaxy clusters... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 3706-3722.	4.4	97
143	A new double radio relic in PSZ1 C096.89+24.17 and a radio relic mass–luminosity relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 3130-3138.	4.4	81
144	A giant radio halo in the cool core cluster CL1821+643. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 444, L44-L48.	3.3	60

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145	Multiple density discontinuities in the merging galaxy cluster CIZA J2242.8+5301. Monthly Notices of the Royal Astronomical Society, 2014, 440, 3416-3425.	4.4	51
146	Do radio relics challenge diffusive shock acceleration?. Monthly Notices of the Royal Astronomical Society, 2014, 437, 2291-2296.	4.4	80
147	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
148	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
149	First X-ray evidence for a shock at the Coma relic. Monthly Notices of the Royal Astronomical Society, 2013, 433, 1701-1708.	4.4	50
150	Challenges to our understanding of radio relics: X-ray observations of the Toothbrush cluster. Monthly Notices of the Royal Astronomical Society, 2013, 433, 812-824.	4.4	79
151	Measurements and simulation of Faraday rotation across the Coma radio relic. Monthly Notices of the Royal Astronomical Society, 2013, 433, 3208-3226.	4.4	73
152	Magnetic fields in galaxy clusters. Astronomische Nachrichten, 2013, 334, 543-547.	1.2	8
153	Calibrating high-precision Faraday rotation measurements for LOFAR and the next generation of low-frequency radio telescopes. Astronomy and Astrophysics, 2013, 552, A58.	5.1	98
154	LOFAR: The LOW-Frequency ARray. Astronomy and Astrophysics, 2013, 556, A2.	5.1	1,755
155	Discovery of radio haloes and double relics in distant MACS galaxy clusters: clues to the efficiency of particle acceleration. Monthly Notices of the Royal Astronomical Society, 2012, 426, 40-56.	4.4	118
156	MÅ87 at metre wavelengths: the LOFAR picture. Astronomy and Astrophysics, 2012, 547, A56.	5.1	84
157	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
158	Magnetic Fields, Relativistic Particles, and Shock Waves in Cluster Outskirts. Space Science Reviews, 2012, 166, 187-213.	8.1	108
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