

Joop Schaye

List of Publications by Year in descending order

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409
papers

38,887
citations

2538

96
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3903

177
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411
all docs

411
docs citations

411
times ranked

9482
citing authors

#	ARTICLE	IF	CITATIONS
1	The EAGLE project: simulating the evolution and assembly of galaxies and their environments. Monthly Notices of the Royal Astronomical Society, 2015, 446, 521-554.	1.6	2,549
2	The EAGLE simulations of galaxy formation: calibration of subgrid physics and model variations. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1937-1961.	1.6	1,038
3	The First Data Release of the Sloan Digital Sky Survey. Astronomical Journal, 2003, 126, 2081-2086.	1.9	800
4	The effect of photoionization on the cooling rates of enriched, astrophysical plasmas. Monthly Notices of the Royal Astronomical Society, 2009, 393, 99-107.	1.6	753
5	Dark matter halo concentrations in the Wilkinson Microwave Anisotropy Probe year 5 cosmology. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 390, L64-L68.	1.2	740
6	The physics driving the cosmic star formation history. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1536-1560.	1.6	704
7	Cosmological simulations of the growth of supermassive black holes and feedback from active galactic nuclei: method and tests. Monthly Notices of the Royal Astronomical Society, 2009, 398, 53-74.	1.6	668
8	A Survey of $z \approx 5.7$ Quasars in the Sloan Digital Sky Survey. II. Discovery of Three Additional Quasars at $z \approx 6$. Astronomical Journal, 2003, 125, 1649-1659.	1.9	654
9	Chemical enrichment in cosmological, smoothed particle hydrodynamics simulations. Monthly Notices of the Royal Astronomical Society, 2009, 399, 574-600.	1.6	525
10	On the relation between the Schmidt and Kennicutt-Schmidt star formation laws and its implications for numerical simulations. Monthly Notices of the Royal Astronomical Society, 0, 383, 1210-1222.	1.6	521
11	Star Formation Thresholds and Galaxy Edges: Why and Where. Astrophysical Journal, 2004, 609, 667-682.	1.6	498
12	The MUSE second-generation VLT instrument. Proceedings of SPIE, 2010, , .	0.8	483
13	The APOSTLE simulations: solutions to the Local Group's cosmic puzzles. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1931-1943.	1.6	453
14	Simulating galactic outflows with thermal supernova feedback. Monthly Notices of the Royal Astronomical Society, 2012, 426, 140-158.	1.6	437
15	The eagle simulations of galaxy formation: Public release of halo and galaxy catalogues. Astronomy and Computing, 2016, 15, 72-89.	0.8	394
16	On the evolution of the $H\alpha$ column density distribution in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2013, 430, 2427-2445.	1.6	386
17	The Aquila comparison project: the effects of feedback and numerical methods on simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1726-1749.	1.6	381
18	Simulating galactic outflows with kinetic supernova feedback. Monthly Notices of the Royal Astronomical Society, 2008, 387, 1431-1444.	1.6	359

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19	The effects of galaxy formation on the matter power spectrum: a challenge for precision cosmology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 3649-3665.	1.6	344
20	The Ly α Forest Power Spectrum from the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2006, 163, 80-109.	3.0	341
21	Metallicity of the Intergalactic Medium Using Pixel Statistics. II. The Distribution of Metals as Traced by Civ. <i>Astrophysical Journal</i> , 2003, 596, 768-796.	1.6	338
22	The thermal history of the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 318, 817-826.	1.6	336
23	Evolution of galaxy stellar masses and star formation rates in the eagle simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 4486-4504.	1.6	332
24	The bahamas project: calibrated hydrodynamical simulations for large-scale structure cosmology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2936-2965.	1.6	304
25	The unexpected diversity of dwarf galaxy rotation curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 3650-3665.	1.6	302
26	Baryon effects on the internal structure of Λ CDM haloes in the EAGLE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 1247-1267.	1.6	302
27	Model-independent Insights into the Nature of the Ly α Forest and the Distribution of Matter in the Universe. <i>Astrophysical Journal</i> , 2001, 559, 507-515.	1.6	294
28	The rates and modes of gas accretion on to galaxies and their gaseous haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2458-2478.	1.6	264
29	Towards a realistic population of simulated galaxy groups and clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 1270-1290.	1.6	261
30	Quantifying the effect of baryon physics on weak lensing tomography. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 2020-2035.	1.6	253
31	The MUSE <i>Hubble Ultra Deep Field</i> Survey. <i>Astronomy and Astrophysics</i> , 2017, 608, A1.	2.1	236
32	Cosmological simulations of the formation of the stellar haloes around disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 2802-2820.	1.6	232
33	The impact of angular momentum on black hole accretion rates in simulations of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1038-1057.	1.6	219
34	Extended Lyman α haloes around individual high-redshift galaxies revealed by MUSE. <i>Astronomy and Astrophysics</i> , 2016, 587, A98.	2.1	219
35	Upper Limits on the 21 cm Epoch of Reionization Power Spectrum from One Night with LOFAR. <i>Astrophysical Journal</i> , 2017, 838, 65.	1.6	219
36	Foreground simulations for the LOFAR-epoch of reionization experiment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 389, 1319-1335.	1.6	217

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37	Galaxies in the intergalactic medium interaction calculation I. Galaxy formation as a function of large-scale environment. Monthly Notices of the Royal Astronomical Society, 2009, 399, 1773-1794.	1.6	216
38	The origin of discs and spheroids in simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1544-1555.	1.6	215
39	The dark nemesis of galaxy formation: why hot haloes trigger black hole growth and bring star formation to an end. Monthly Notices of the Royal Astronomical Society, 2017, 465, 32-44.	1.6	214
40	Keeping the Universe ionized: photoheating and the clumping factor of the high-redshift intergalactic medium. Monthly Notices of the Royal Astronomical Society, 2009, 394, 1812-1824.	1.6	209
41	UBIQUITOUS GIANT Ly α NEBULAE AROUND THE BRIGHTEST QUASARS AT $z \sim 3.5$ REVEALED WITH MUSE. Astrophysical Journal, 2016, 831, 39.	1.6	201
42	Colours and luminosities of $z < 0.1$ galaxies in the eagle simulation. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2879-2896.	1.6	200
43	Observations of the missing baryons in the warm "hot intergalactic medium. Nature, 2018, 558, 406-409.	13.7	194
44	The eagle simulations of galaxy formation: the importance of the hydrodynamics scheme. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2277-2291.	1.6	192
45	Metal Enrichment of the Intergalactic Medium in Cosmological Simulations. Astrophysical Journal, 2001, 561, 521-549.	1.6	187
46	Gas expulsion by quasar-driven winds as a solution to the overcooling problem in galaxy groups and clusters. Monthly Notices of the Royal Astronomical Society, 2011, 412, 1965-1984.	1.6	185
47	Improved upper limits on the 21-cm signal power spectrum of neutral hydrogen at $z \sim 9.1$ from LOFAR. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1662-1685.	1.6	185
48	Molecular hydrogen abundances of galaxies in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3815-3837.	1.6	182
49	The Cluster-EAGLE project: global properties of simulated clusters with resolved galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1088-1106.	1.6	178
50	The Enrichment History of the Intergalactic Medium – Measuring the C/H Ratio in the Ly α Forest. Astronomical Journal, 2000, 120, 1175-1191.	1.9	174
51	Size evolution of normal and compact galaxies in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2017, 465, 722-738.	1.6	170
52	The accretion history of dark matter haloes – III. A physical model for the concentration-mass relation. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1217-1232.	1.6	168
53	The Hydrangea simulations: galaxy formation in and around massive clusters. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4186-4208.	1.6	167
54	The MUSE Hubble Ultra Deep Field Survey. Astronomy and Astrophysics, 2017, 608, A8.	2.1	167

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55	Bent by baryons: the low-mass galaxy-halo relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 2941-2947.	1.6	163
56	The MUSE 3D view of the Hubble Deep Field South. <i>Astronomy and Astrophysics</i> , 2015, 575, A75.	2.1	162
57	Constraints on Reionization from the Thermal History of the Intergalactic Medium. <i>Astrophysical Journal</i> , 2002, 567, L103-L106.	1.6	161
58	Bimodality of low-redshift circumgalactic $\text{O} \text{VI}$ in non-equilibrium eagle zoom simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 2157-2179.	1.6	159
59	The apostle project: Local Group kinematic mass constraints and simulation candidate selection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 844-856.	1.6	154
60	Optical colours and spectral indices of $z \approx 0.1$ eagle galaxies with the 3D dust radiative transfer code skirt. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 771-799.	1.6	152
61	Foregrounds for observations of the cosmological 21 cm line. <i>Astronomy and Astrophysics</i> , 2009, 500, 965-979.	2.1	148
62	A chronicle of galaxy mass assembly in the EAGLE simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1659-1675.	1.6	145
63	Properties of gas in and around galaxy haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 2991-3010.	1.6	143
64	The impact of galaxy formation on the total mass, mass profile and abundance of haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 2641-2658.	1.6	137
65	Metal Enrichment of the Intergalactic Medium at $z \approx 3$ by Galactic Winds. <i>Astrophysical Journal</i> , 2001, 560, 599-605.	1.6	137
66	Impact of baryon physics on dark matter structures: a detailed simulation study of halo density profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	1.6	135
67	A Physical Upper Limit on the $\text{H} \text{ [CSC]i/[CSC]}$ Column Density of Gas Clouds. <i>Astrophysical Journal</i> , 2001, 562, L95-L98.	1.6	133
68	Feedback and the structure of simulated galaxies at redshift $z = 2$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 1541-1556.	1.6	131
69	X-ray coronae in simulations of disc galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 1403-1422.	1.6	131
70	Galactic Winds in the Intergalactic Medium. <i>Astrophysical Journal</i> , 2002, 578, L5-L8.	1.6	131
71	The abundance of (not just) dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 1366-1382.	1.6	130
72	The EAGLE simulations: atomic hydrogen associated with galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 4204-4226.	1.6	130

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73	Metal-line absorption around $z \approx 2.4$ star-forming galaxies in the Keck Baryonic Structure Survey.... Monthly Notices of the Royal Astronomical Society, 2014, 445, 794-822.	1.6	129
74	Global structure and kinematics of stellar haloes in cosmological hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2245-2262.	1.6	128
75	Initial deep LOFAR observations of epoch of reionization windows. Astronomy and Astrophysics, 2013, 550, A136.	2.1	128
76	Cold accretion flows and the nature of high column density $\text{H}\alpha$ absorption at redshift 3. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2809-2819.	1.6	126
77	The MUSE <i>Hubble </i>Ultra Deep Field Survey. Astronomy and Astrophysics, 2017, 608, A2.	2.1	125
78	The distribution of neutral hydrogen around high-redshift galaxies and quasars in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2034-2056.	1.6	124
79	Measuring the equation of state of the intergalactic medium. Monthly Notices of the Royal Astronomical Society, 1999, 310, 57-70.	1.6	123
80	Subhalo abundance matching and assembly bias in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3100-3118.	1.6	122
81	A large population of metal-rich, compact, intergalactic C IV absorbers - evidence for poor small-scale metal mixing. Monthly Notices of the Royal Astronomical Society, 2007, 379, 1169-1194.	1.6	120
82	The ATHENA x-ray integral field unit (X-IFU). , 2018, , .		120
83	Dark matter haloes determine the masses of supermassive black holes. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 405, L1-L5.	1.2	119
84	Non-equilibrium ionization and cooling of metal-enriched gas in the presence of a photoionization background. Monthly Notices of the Royal Astronomical Society, 2013, 434, 1043-1062.	1.6	118
85	The chosen few: the low-mass haloes that host faint galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 456, 85-97.	1.6	117
86	The distribution of atomic hydrogen in eagle galaxies: morphologies, profiles, and $\text{H}\alpha$ holes. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1115-1136.	1.6	117
87	THROUGH THICK AND THIN H I ABSORPTION IN COSMOLOGICAL SIMULATIONS. Astrophysical Journal Letters, 2011, 737, L37.	3.0	115
88	$\text{Ly}\alpha$ Emission from Structure Formation. Astrophysical Journal, 2005, 622, 7-27.	1.6	114
89	The impact of baryons on the spins and shapes of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2013, 429, 3316-3329.	1.6	114
90	The BAHAMAS project: the CMB Λ CDM large-scale structure tension and the roles of massive neutrinos and galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2999-3030.	1.6	113

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91	The alignment and shape of dark matter, stellar, and hot gas distributions in the EAGLE and cosmo-OWLS simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 721-738.	1.6	108
92	Nearly all the sky is covered by Lyman- α emission around high-redshift galaxies. <i>Nature</i> , 2018, 562, 229-232.	13.7	108
93	The case for AGN feedback in galaxy groups. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	1.6	105
94	It is not easy being green: the evolution of galaxy colour in the EAGLE simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 3925-3939.	1.6	104
95	The drop in the cosmic star formation rate below redshift 2 is caused by a change in the mode of gas accretion and by active galactic nucleus feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 2782-2789.	1.6	101
96	Metallicity of the Intergalactic Medium Using Pixel Statistics. III. Silicon. <i>Astrophysical Journal</i> , 2004, 602, 38-50.	1.6	100
97	traphic- radiative transfer for smoothed particle hydrodynamics simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 389, 651-677.	1.6	100
98	The origin of scatter in the stellar mass- ϵ halo mass relation of central galaxies in the EAGLE simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2381-2396.	1.6	100
99	Galaxy metallicity scaling relations in the EAGLE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3354-3377.	1.6	98
100	The redshift evolution of massive galaxy clusters in the MACSIS simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 213-233.	1.6	96
101	Non-parametric foreground subtraction for 21-cm epoch of reionization experiments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 397, 1138-1152.	1.6	95
102	Galaxies that shine: radiation-hydrodynamical simulations of disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 34-58.	1.6	95
103	Far-infrared and dust properties of present-day galaxies in the EAGLE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 1057-1075.	1.6	95
104	Mass-Discrepancy Acceleration Relation: A Natural Outcome of Galaxy Formation in Cold Dark Matter Halos. <i>Physical Review Letters</i> , 2017, 118, 161103.	2.9	95
105	Problems for Modified Newtonian Dynamics in Clusters and the Ly α Forest?. <i>Astrophysical Journal</i> , 2001, 561, 550-558.	1.6	94
106	Foregrounds for observations of the cosmological 21 cm line. <i>Astronomy and Astrophysics</i> , 2010, 522, A67.	2.1	94
107	Effect of baryonic feedback on two- and three-point shear statistics: prospects for detection and improved modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 148-162.	1.6	94
108	The quenching and morphological evolution of central galaxies is facilitated by the feedback-driven expulsion of circumgalactic gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4462-4480.	1.6	94

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109	Fast large-scale reionization simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 32-48.	1.6	91
110	The accretion history of dark matter haloes \hat{a}^{I} . The physical origin of the universal function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1514-1520.	1.6	91
111	Disentangling galaxy environment and host halo mass. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 2133-2146.	1.6	90
112	The impact of local stellar radiation on the $\text{H}\alpha$ column density distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 2261-2277.	1.6	89
113	Non-circular motions and the diversity of dwarf galaxy rotation curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 821-847.	1.6	89
114	Exploring the effects of galaxy formation on matter clustering through a library of simulation power spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2424-2446.	1.6	89
115	The Athena X-ray Integral Field Unit (X-IFU). <i>Proceedings of SPIE</i> , 2016, , .	0.8	88
116	A Feature at $z \approx 3.2$ in the Evolution of the Ly α Forest Optical Depth. <i>Astronomical Journal</i> , 2003, 125, 32-52.	1.9	87
117	Broadening of QSO Ly α forest absorbers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 315, 600-610.	1.6	86
118	The link between the assembly of the inner dark matter halo and the angular momentum evolution of galaxies in the EAGLE simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 4466-4482.	1.6	86
119	MusE GAs FLOW and Wind (MEGAFLOW) II. A study of gas accretion around $z \approx 1$ star-forming galaxies with background quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1961-1980.	1.6	86
120	Predictions for the relation between strong H I absorbers and galaxies at redshift 3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 529-547.	1.6	85
121	Galaxies in the EAGLE hydrodynamical simulation and in the Durham and Munich semi-analytical models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3457-3482.	1.6	85
122	Cosmic distribution of highly ionized metals and their physical conditions in the EAGLE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 310-332.	1.6	85
123	The Fundamental Plane of star formation in galaxies revealed by the EAGLE hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 2632-2650.	1.6	84
124	Supermassive black holes in the EAGLE Universe. Revealing the observables of their growth. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 190-205.	1.6	84
125	Recovering the systemic redshift of galaxies from their Lyman alpha line profile. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 478, L60-L65.	1.2	84
126	The Detection of Oxygen in the Low-Density Intergalactic Medium. <i>Astrophysical Journal</i> , 2000, 541, L1-L4.	1.6	84

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127	POSSIBLE SIGNATURES OF A COLD-FLOW DISK FROM MUSE USING A $z \sim 1$ GALAXY QUASAR PAIR TOWARD SDSS J1422+0001*. <i>Astrophysical Journal</i> , 2016, 820, 121.	1.6	83
128	The impact of baryonic processes on the two-point correlation functions of galaxies, subhaloes and matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 2997-3010.	1.6	82
129	The origin of scatter in the star formation rate-stellar mass relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 915-932.	1.6	82
130	Metallicity of the Intergalactic Medium Using Pixel Statistics. IV. Oxygen. <i>Astrophysical Journal</i> , 2008, 689, 851-864.	1.6	81
131	MusE GAs FLOW and Wind (MEGAFLOW) - III. Galactic wind properties using background quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4368-4381.	1.6	81
132	The effect of baryons on the inner density profiles of rich clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 343-355.	1.6	80
133	The MUSE Atlas of Disks (MAD): resolving star formation rates and gas metallicities on $\lesssim 100$ pc scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5009-5027.	1.6	80
134	The link between galaxy and black hole growth in the eagle simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3395-3407.	1.6	79
135	The accretion history of dark matter haloes - II. The connections with the mass power spectrum and the density profile. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1521-1537.	1.6	78
136	The large- and small-scale properties of the intergalactic gas in the Slug Ly α nebula revealed by MUSE He II emission observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 5188-5204.	1.6	78
137	The MUSE-Wide survey: A first catalogue of 831 emission line galaxies. <i>Astronomy and Astrophysics</i> , 2017, 606, A12.	2.1	78
138	The Enrichment History of the Intergalactic Medium: OVI Forest Systems at Redshift $z \sim 2$. <i>Astrophysical Journal</i> , 2002, 578, 43-59.	1.6	78
139	The environmental dependence of α in galaxies in the eagle simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2630-2649.	1.6	77
140	The origin of diverse α -element abundances in galaxy discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 5072-5089.	1.6	77
141	The first power spectrum limit on the 21-cm signal of neutral hydrogen during the Cosmic Dawn at $z \sim 20$ from LOFAR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4271-4287.	1.6	77
142	The effect of baryons on redshift space distortions and cosmic density and velocity fields in the EAGLE simulation. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 461, L11-L15.	1.2	75
143	The impact of baryons on massive galaxy clusters: halo structure and cluster mass estimates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 3361-3378.	1.6	75
144	Simulated Milky Way analogues: implications for dark matter direct searches. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 024-024.	1.9	74

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145	Galactic outflow rates in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3971-3997.	1.6	73
146	MUSE GAS FLOW AND WIND (MEGAFLOW). I. FIRST MUSE RESULTS ON BACKGROUND QUASARS*. Astrophysical Journal, 2016, 833, 39.	1.6	72
147	The MUSE <i>Hubble</i> Ultra Deep Field Survey. Astronomy and Astrophysics, 2017, 608, A6.	2.1	72
148	Flickering AGN can explain the strong circumgalactic α observed by COS-Halos. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4740-4755.	1.6	72
149	Observable tests of self-interacting dark matter in galaxy clusters: cosmological simulations with SIDM and baryons. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3646-3662.	1.6	72
150	Detection of H ₂ Reionization in the Sloan Digital Sky Survey Quasar Sample. Astrophysical Journal, 2002, 574, L111-L114.	1.6	72
151	The relation between galaxy morphology and colour in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 472, L45-L49.	1.2	71
152	The XMM Cluster Survey: the interplay between the brightest cluster galaxy and the intracluster medium via AGN feedback. Monthly Notices of the Royal Astronomical Society, 2012, 422, 2213-2229.	1.6	69
153	Probing reionization with LOFAR using 21-cm redshift space distortions. Monthly Notices of the Royal Astronomical Society, 2013, 435, 460-474.	1.6	69
154	The low-mass end of the baryonic Tully-Fisher relation. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2419-2428.	1.6	69
155	Constraining the intergalactic medium at $z \approx 9.1$ using LOFAR Epoch of Reionization observations. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4728-4747.	1.6	69
156	The impact of feedback from galaxy formation on the Lyman τ transmitted flux. Monthly Notices of the Royal Astronomical Society, 2013, 429, 1734-1746.	1.6	68
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