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## Cosmological smoothed particle hydrodynamics simulations: a hybrid multiphase model for star formation

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1430	Termination of star formation by BH feedback in equal- and unequal-mass mergers of disk and elliptical galaxies. <b>2008</b> , 329, 956-959		18
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1281	An observer's view of simulated galaxies: disc-to-total ratios, bars and (pseudo-)bulges. <b>2010</b> , 407, L41-L45		91
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1274	Feedback and the structure of simulated galaxies at redshift $z=2$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 409, 1541-1556	4-3	112
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1269	The growth of massive black holes in galaxy merger simulations with feedback by radiation pressure. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , no-no	4-3	45
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1263	Faint-end quasar luminosity functions from cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 402, 1927-1936	4-3	33
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1255	The nature of submillimetre galaxies in cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> ,	4-3	77
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1248	The properties of satellite galaxies in simulations of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 406, 208-222	4-3	116
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1245	Feedback and recycled wind accretion: assembling the $z=0$ galaxy mass function. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 406, 2325-2338	4-3	371
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1224	SIMULATING MAGNETIC FIELDS IN THE ANTENNAE GALAXIES. <b>2010</b> , 716, 1438-1452		31
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1220	Gravitational lensing as signal and noise in Lyman- $\alpha$ forest measurements. <b>2010</b> , 82,	4
1219	The scatter in the radial profiles of X-ray luminous galaxy clusters as diagnostic of the thermodynamical state of the ICM. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 413, 2305-2313	29
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1216	STAR FORMATION FEEDBACK AND METAL-ENRICHMENT HISTORY OF THE INTERGALACTIC MEDIUM. <b>2011</b> , 731, 11	77
1215	Forced turbulence in thermally bistable gas: a parameter study. <b>2011</b> , 526, A14	28
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1205	K+A GALAXIES AS THE AFTERMATH OF GAS-RICH MERGERS: SIMULATING THE EVOLUTION OF GALAXIES AS SEEN BY SPECTROSCOPIC SURVEYS. <b>2011</b> , 741, 77	91
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1203	GALAXY FORMATION WITH SELF-CONSISTENTLY MODELED STARS AND MASSIVE BLACK HOLES. I. FEEDBACK-REGULATED STAR FORMATION AND BLACK HOLE GROWTH. <b>2011</b> , 738, 54	71



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1201	GALAXY FORMATION IN HEAVILY OVERDENSE REGIONS AT $z \sim 10$ : THE PREVALENCE OF DISKS IN MASSIVE HALOS. <b>2011</b> , 738, L19		22
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1197	RELATIVISTIC JET FEEDBACK IN EVOLVING GALAXIES. <b>2011</b> , 728, 29		139
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1195	The formation of disc galaxies in a $\Lambda$ CDM universe. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 410, 1391-1408	4-3	220
1194	Multicomponent and variable velocity galactic outflow in cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 410, 2579-2592	4-3	35
1193	Cross-correlation between damped Ly $\alpha$ systems and Lyman break galaxies in cosmological SPH simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 411, 54-64	4-3	5
1192	Colour gradients within SDSS DR7 galaxies: hints of recent evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 411, 1151-1166	4-3	28
1191	Cosmic evolution of the C iv in high-resolution hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 411, 826-848	4-3	41
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1189	Escape fraction of ionizing photons from high-redshift galaxies in cosmological SPH simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 412, 411-422	4-3	147
1188	The luminosities of backplash galaxies in constrained simulations of the Local Group. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 412, 529-536	4-3	40
1187	Recoiling black holes in merging galaxies: relationship to active galactic nucleus lifetimes, starbursts and the MBH- $\sigma$ relation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 412, 2154-2182	4-3	90
1186	Velocity structure diagnostics of simulated galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 413, 573-584	4-3	18
1185	Simulating high-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 414, 847-859	4-3	105

1184	What is the (dark) matter with dwarf galaxies?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 413, 659-668	4-3	72
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1181	The interplay between chemical and mechanical feedback from the first generation of stars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 414, 1145-1157	4-3	92
1180	X-ray mass proxies from hydrodynamic simulations of galaxy clusters - I. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 416, 801-816	4-3	76
1179	An analytic model of angular momentum transport by gravitational torques: from galaxies to massive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 1027-1050	4-3	146
1178	Expected properties of the two-point autocorrelation function of the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 414, 2970-2984	4-3	9
1177	Gravitational recoils of supermassive black holes in hydrodynamical simulations of gas-rich galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 414, 3656-3670	4-3	47
1176	Galaxy evolution in cosmological simulations with outflows - I. Stellar masses and star formation rates. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 11-31	4-3	267
1175	The effect of variations in the input physics on the cosmic distribution of metals predicted by simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 353-371	4-3	45
1174	Galactic winds and extended Ly $\alpha$ emission from the host galaxies of high column density quasi-stellar object absorption systems. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 416, 1723-1738	4-3	49
1173	Hydrodynamical simulations of galaxy clusters in dark energy cosmologies - I. General properties. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 2758-2772	4-3	26
1172	Baryon history and cosmic star formation in non-Gaussian cosmological models: numerical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 3021-3032	4-3	25
1171	The role of dissipation in the scaling relations of cosmological merger remnants. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 3135-3152	4-3	30
1170	Galactic magnetic fields: simulating magnetic fields in colliding galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 3189-3218	4-3	29
1169	Chemical abundances and spatial distribution of long gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 3417-3422	4-3	5
1168	The effects of galaxy formation on the matter power spectrum: a challenge for precision cosmology. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 3649-3665	4-3	292
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1166	Large-scale environmental bias of the high-redshift quasar line-of-sight proximity effect. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 3851-3864	4-3	4
1165	On the algorithms of radiative cooling in semi-analytic models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , no-no	4-3	7
1164	Galaxy evolution in cosmological simulations with outflows - II. Metallicities and gas fractions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 416, 1354-1376	4-3	292
1163	Using dwarf satellite proper motions to determine their origin. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 416, 1401-1409	4-3	29
1162	The halo occupation distribution of black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 416, 1591-1600	4-3	13
1161	Population III stars and the long gamma-ray burst rate. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 416, 2760-2767	4-3	60
1160	Self-regulated star formation in galaxies via momentum input from massive stars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 417, 950-973	4-3	348
1159	How active galactic nucleus feedback and metal cooling shape cluster entropy profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 417, 1853-1870	4-3	51
1158	Quenching massive galaxies with on-the-fly feedback in cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 417, 2676-2695	4-3	63
1157	The baryonic assembly of dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 417, 2982-2999	4-3	210
1156	Gamma-ray burst rate: high-redshift excess and its possible origins. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 417, 3025-3034	4-3	47
1155	The CO-H <sub>2</sub> conversion factor in disc galaxies and mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 418, 664-679	4-3	124
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1152	Too small to succeed? Lighting up massive dark matter subhaloes of the Milky Way. <b>2011</b> , 417, L74-L78		39
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1150	Flow-driven cloud formation and fragmentation: results from Eulerian and Lagrangian simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 271-278	4-3	24
1149	Formation history, structure and dynamics of discs and spheroids in simulated Milky Way mass galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 417, 154-171	4-3	66

1148	Gas distribution, metal enrichment and baryon fraction in Gaussian and non-Gaussian universes. <b>2011</b> , 28, 225015	19
1147	Star Formation During Galaxy Formation. <b>2011</b> , 51, 59-71	5
1146	Lensing and x-ray mass estimates of clusters (simulations). <b>2012</b> , 14, 055018	168
1145	High-z galaxy formation, reionization of the universe, and the impact of H2-based star formation model. <b>2012</b> ,	
1144	Moving mesh cosmology: numerical techniques and global statistics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 425, 3024-3057	4-3 151
1143	A fresh look at the starburst-AGN connection. <b>2012</b> , 372, 012053	
1142	WERE PROGENITORS OF LOCAL* GALAXIES Ly $\alpha$ EMITTERS AT HIGH REDSHIFT?. <b>2012</b> , 754, 118	36
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1077	The non-linear matter power spectrum in warm dark matter cosmologies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , no-no	4-3	21

1076	The imprint of cosmological non-Gaussianities on primordial structure formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 421, 1113-1122	4-3	14
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1062	The effects of a hot gaseous halo on disc thickening in galaxy minor mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 423, 2045-2057	4-3	28
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1052	Early black holes in cosmological simulations: luminosity functions and clustering behaviour. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 424, 1892-1898	4-3	22
1051	Pseudo-bulge formation via major mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 424, 1232-1243	4-3	23
1050	Moving mesh cosmology: the hydrodynamics of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 424, 2999-3027	4-3	136
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1047	A model for cosmological simulations of galaxy formation physics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 436, 3031-3067	4-3	563
1046	Nonlinear power spectra of dark and luminous matter in the halo model of structure formation. <b>2013</b> , 88,		7
1045	HIGH-RESOLUTION SIMULATIONS OF THE REIONIZATION OF AN ISOLATED MILKY WAY-M31 GALAXY PAIR. <b>2013</b> , 777, 51		19
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1040	Resolving the generation of starburst winds in Galaxy mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 433, 78-97	4-3	47
1039	Simulations of magnetic fields in isolated disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 432, 176-193	4-3	173
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1036	Measuring the thermal Sunyaev-Zel'dovich effect through the cross correlation of Planck and WMAP maps with ROSAT galaxy cluster catalogs. <b>2013</b> , 2013, 064-064		27
1035	The MUSIC of galaxy clusters II. Baryon properties and scaling relations of the thermal Sunyaev-Zel'dovich effect. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 429, 323-343	4-3	68
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1028	Galaxy pairs in the Sloan Digital Sky Survey VI. The orbital extent of enhanced star formation in interacting galaxies. <b>2013</b> , 433, L59-L63		135
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1025	The cosmic evolution of the IMF under the Jeans conjecture with implications for massive galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 436, 2892-2906	4-3	23
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1022	Cosmological shock waves: clues to the formation history of haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 428, 1643-1655	4-3	20
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1018	Galaxies going MAD: the Galaxy-Finder Comparison Project. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 428, 2039-2052	4-3	28
1017	Brightest cluster galaxies in cosmological simulations: achievements and limitations of active galactic nuclei feedback models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 436, 1750-1764	4-3	51
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1008	Confronting predictions of the galaxy stellar mass function with observations at high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 429, 2098-2103	4-3	6
1007	Physical properties of simulated galaxy populations at $z = 2$ . Effect of metal-line cooling and feedback from star formation and AGN. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 435, 2931-2954	4-3	57
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1004	Cusp-core transformations in dwarf galaxies: observational predictions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 429, 3068-3078	4-3	312
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999	The host haloes of O i absorbers in the reionization epoch. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 436, 1818-1835	4-3	35
998	The effect of feedback and reionization on star formation in low-mass dwarf galaxy haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 432, 1989-2011	4-3	60
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972	The origin of pseudo-bulges in cosmological simulations of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 428, 718-728	4-3	40
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958	Origin and evolution of structure and nucleosynthesis for galaxies in the local group. <b>2014</b> , 29, 1430012		6
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955	THE GENTLE GROWTH OF GALAXIES AT HIGH REDSHIFTS IN OVERDENSE ENVIRONMENTS. <b>2014</b> , 790, L32		18
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953	Galaxy shapes and intrinsic alignments in the MassiveBlack-II simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 441, 470-485	4-3	68
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951	On the role of AGN feedback on the thermal and chemodynamical properties of the hot intracluster medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 438, 195-216	4-3	99

950	High-velocity-dispersion cold gas in ULIRG Outflows â. Direct simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 441, 389-403	4-3	4
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948	Active galactic nuclei-driven outflows without immediate quenching in simulations of high-redshift disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 441, 1615-1627	4-3	98
947	Characterizing diffused stellar light in simulated galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 816-830	4-3	62
946	Radiative feedback and the low efficiency of galaxy formation in low-mass haloes at high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 1545-1559	4-3	142
945	Dancing in the dark: galactic properties trace spin swings along the cosmic web. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 444, 1453-1468	4-3	455
944	The visibility of Lyman emitters: constraining reionization, ionizing photon escape fractions and dust. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 441, 2861-2877	4-3	33
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942	Signatures of very massive stars: supercollapsars and their cosmological rate. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 439, 3520-3525	4-3	8
941	The effect of active galactic nuclei feedback on the halo mass function. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 441, 1769-1782	4-3	63
940	Star formation in shocked cluster spirals and their tails. <b>2014</b> , 443, L114-L118		48
939	Galaxy mergers on a moving mesh: a comparison with smoothed particle hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 1992-2016	4-3	79
938	The formation of disc galaxies in high-resolution moving-mesh cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 1750-1775	4-3	238
937	Diffuse gas properties and stellar metallicities in cosmological simulations of disc galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 3745-3760	4-3	40
936	Kinetic or thermal AGN feedback in simulations of isolated and merging disc galaxies calibrated by the M- $\sigma$ relation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 1456-1475	4-3	39
935	Cloud angular momentum and effective viscosity in global SPH simulations with feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 3674-3685	4-3	3
934	A systematic look at the effects of radiative feedback on disc galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 444, 2837-2853	4-3	61
933	Essential physics of early galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 2545-2557	4-3	67

932	Numerical simulations of bubble-induced star formation in dwarf irregular galaxies with a novel stellar feedback scheme. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 438, 1208-1222	4-3	24
931	Robust PCA and MIC statistics of baryons in early minihaloes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 440, 240-248	4-3	23
930	Numerical hydrodynamic simulations based on semi-analytic galaxy merger trees: method and Milky Way-like galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 1027-1044	4-3	16
929	Galaxy formation and chemical enrichment using cosmological hydrodynamic simulations. <b>2014</b> ,		
928	The MaGICC volume: reproducing statistical properties of high-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 3529-3539	4-3	49
927	Introducing the Illustris Project: simulating the coevolution of dark and visible matter in the Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 444, 1518-1547	4-3	1336
926	Reproducing cosmic evolution of galaxy population from $z = 4$ to 0. <b>2014</b> , 66, 70		28
925	Understanding the structural scaling relations of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 444, 942-960	4-3	77
924	Consequences of mechanical and radiative feedback from black holes in disc galaxy mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 440-453	4-3	57
923	Simulated star formation rate functions at $z \sim 4-7$ , and the role of feedback in high- $z$ galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 438, 3490-3506	4-3	26
922	Damped Lyman $\alpha$ absorbers as a probe of stellar feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 2313-2324	4-3	91
921	In a hot bubble: why does superbubble feedback work, but isolated supernovae do not?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 443, 3463-3476	4-3	71
920	Modeling the neutral hydrogen distribution in the post-reionization Universe: intensity mapping. <b>2014</b> , 2014, 050-050		53
919	ENZO: AN ADAPTIVE MESH REFINEMENT CODE FOR ASTROPHYSICS. <b>2014</b> , 211, 19		490
918	Ly $\alpha$ and Mg II as Probes of Galaxies and Their Environment. <b>2014</b> , 126, 969-1009		21
917	Positive and negative feedback by AGN jets in high-redshift galaxies. <b>2014</b> , 335, 531-536		6
916	FAINT SUBMILLIMETER GALAXIES REVEALED BY MULTIFIELD DEEP ALMA OBSERVATIONS: NUMBER COUNTS, SPATIAL CLUSTERING, AND A DARK SUBMILLIMETER LINE EMITTER. <b>2014</b> , 795, 5		61
915	MAGNETIC FIELDS IN COSMOLOGICAL SIMULATIONS OF DISK GALAXIES. <b>2014</b> , 783, L20		95



914	TEMPERATURE STRUCTURE OF THE INTRACLUSTER MEDIUM FROM SMOOTHED-PARTICLE HYDRODYNAMICS AND ADAPTIVE-MESH REFINEMENT SIMULATIONS. <b>2014</b> , 791, 96		45
913	THE REIONIZATION OF GALACTIC SATELLITE POPULATIONS. <b>2014</b> , 794, 20		13
912	SIGNATURES OF THE M31-M32 GALACTIC COLLISION. <b>2014</b> , 788, L38		28
911	Tracing inflows and outflows with absorption lines in circumgalactic gas. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 444, 1260-1281	4-3	110
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909	Gas around galaxy haloes: methodology comparisons using hydrodynamical simulations of the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 2462-2475	4-3	8
908	A theory for the excitation of CO in star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 1411-1428	4-3	72
907	Introducing the Illustris project: the evolution of galaxy populations across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 175-200	4-3	627
906	Stellar orbits in cosmological galaxy simulations: the connection to formation history and line-of-sight kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 1065-1083	4-3	33
905	Non-parametric 3D map of the intergalactic medium using the Lyman-alpha forest. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 440, 2599-2609	4-3	24
904	Why stellar feedback promotes disc formation in simulated galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 443, 2092-2111	4-3	86
903	Collapse and fragmentation of molecular clouds under pressure. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 2837-2854	4-3	12
902	Cosmic ray driven outflows in global galaxy disc models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 3312-3330	4-3	132
901	An uncertainty principle for star formation $\hat{\pi}$ . Why galactic star formation relations break down below a certain spatial scale. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 439, 3239-3252	4-3	137
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897	STELLAR VELOCITY DISPERSION IN DISSIPATIVE GALAXY MERGERS WITH STAR FORMATION. <b>2014</b> , 786, 12		14

896	GALACTIC AND CIRCUMGALACTIC O VI AND ITS IMPACT ON THE COSMOLOGICAL METAL AND BARYON BUDGETS AT $z \sim 2$ . <b>2014</b> , 788, 119		78
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894	FROM STARBURST TO QUIESCENCE: TESTING ACTIVE GALACTIC NUCLEUS FEEDBACK IN RAPIDLY QUENCHING POST-STARBURST GALAXIES. <b>2014</b> , 792, 84		76
893	THE MYSTERY OF THE "BUMP" – A NEW SIGNATURE FOR MAJOR MERGERS IN EARLY-TYPE GALAXIES?. <b>2014</b> , 783, L32		15
892	AGN feedback models: correlations with star formation and observational implications of time evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 443, 1125-1141	4-3	23
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890	Numerical resolution limits on subhalo abundance matching. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 3228-3235	4-3	43
889	Escape of Ly $\alpha$ and continuum photons from star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 440, 776-786	4-3	52
888	MOLECULAR HYDROGEN REGULATED STAR FORMATION IN COSMOLOGICAL SMOOTHED PARTICLE HYDRODYNAMICS SIMULATIONS. <b>2014</b> , 780, 145		39
887	COSMOLOGICAL ZOOM SIMULATIONS OF $z = 2$ GALAXIES: THE IMPACT OF GALACTIC OUTFLOWS. <b>2014</b> , 782, 84		48
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885	THE ROLE OF STELLAR FEEDBACK IN THE DYNAMICS OF H II REGIONS. <b>2014</b> , 795, 121		80
884	Empirical constraints for the magnitude and composition of galactic winds. <b>2014</b> , 349, 873-879		24
883	Properties of galaxies reproduced by a hydrodynamic simulation. <b>2014</b> , 509, 177-82		750
882	The big problems in star formation: The star formation rate, stellar clustering, and the initial mass function. <b>2014</b> , 539, 49-134		202
881	Dark matter in the Local Universe. <b>2014</b> , 58, 1-18		29
880	The total infrared luminosity may significantly overestimate the star formation rate of quenching and recently quenched galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 1598-1604	4-3	94
879	A SIMPLE MODEL LINKING GALAXY AND DARK MATTER EVOLUTION. <b>2014</b> , 793, 12		34

878	Cosmic Star-Formation History. <b>2014</b> , 52, 415-486		1949
877	Constraints on the CMB temperature evolution using multiband measurements of the Sunyaev-Zel'dovich effect with the South Pole Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 440, 2610-2615	4-3	40
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875	Seeding black holes in cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 2751-2767	4-3	31
874	A model for cosmological simulations of galaxy formation physics: multi-epoch validation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 438, 1985-2004	4-3	210
873	Cosmological simulations of black hole growth: AGN luminosities and downsizing. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 2304-2324	4-3	205
872	Hydrodynamical chemistry simulations of the Sunyaev-Zel'dovich effect and the impacts from primordial non-Gaussianities. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 1308-1317	4-3	4
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869	The ATLAS3D project XXXV. Two-dimensional kinematic analysis of simulated galaxies and the cosmological origin of fast and slow rotators. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 444, 3357-3387	4-3	214
868	A new population of recently quenched elliptical galaxies in the SDSS. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 533-557	4-3	41
867	Disk Galaxies in the Magneticum Pathfinder Simulations. <b>2014</b> , 10, 145-148		3
866	Origin of strong magnetic fields in Milky Way-like galaxies. <b>2015</b> , 11, 274-275		
865	Galaxy morphology and star formation in the Illustris Simulation at $z=0$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 1886-1908	4-3	116
864	Constraints on the distribution and energetics of fast radio bursts using cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 451, 4277-4289	4-3	110
863	The stellar mass function and star formation rate-stellar mass relation of galaxies at $z \sim 4$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 448, 3001-3021	4-3	17
862	CONNECTING ANGULAR MOMENTUM AND GALACTIC DYNAMICS: THE COMPLEX INTERPLAY BETWEEN SPIN, MASS, AND MORPHOLOGY. <b>2015</b> , 812, 29		138
861	THE AZIMUTHAL DEPENDENCE OF OUTFLOWS AND ACCRETION DETECTED USING O VI ABSORPTION. <b>2015</b> , 815, 22		59

860	GAS INFLOW AND OUTFLOW HISTORIES IN DISK GALAXIES AS REVEALED FROM OBSERVATIONS OF DISTANT STAR-FORMING GALAXIES. <b>2015</b> , 810, 18		3
859	SUPERMASSIVE BLACK HOLES IN A STAR-FORMING GASEOUS CIRCUMNUCLEAR DISK. <b>2015</b> , 811, 59		18
858	AN EXTREME METALLICITY, LARGE-SCALE OUTFLOW FROM A STAR-FORMING GALAXY AT $z \sim 0.4$ . <b>2015</b> , 811, 132		61
857	THE SYSTEMATIC PROPERTIES OF THE WARM PHASE OF STARBURST-DRIVEN GALACTIC WINDS. <b>2015</b> , 809, 147		188
856	COOLING, AGN FEEDBACK, AND STAR FORMATION IN SIMULATED COOL-CORE GALAXY CLUSTERS. <b>2015</b> , 811, 73		115
855	HIGH- J CO VERSUS FAR-INFRARED RELATIONS IN NORMAL AND STARBURST GALAXIES. <b>2015</b> , 810, L14		59
854	KINETIC ENERGY FROM SUPERNOVA FEEDBACK IN HIGH-RESOLUTION GALAXY SIMULATIONS. <b>2015</b> , 809, 69		42
853	DECONSTRUCTING THERMAL SUNYAEV-ZEL'DOVICH GRAVITATIONAL LENSING CROSS-CORRELATIONS: IMPLICATIONS FOR THE INTRACLUSTER MEDIUM. <b>2015</b> , 812, 154		29
852	Large Eddy Simulations in Astrophysics. <b>2015</b> , 1, 1		30
851	SIMULATOR OF GALAXY MILLIMETER/SUBMILLIMETER EMISSION (SGAME): THE [C ii] $\lambda$ 850 $\nu$ RELATIONSHIP OF MASSIVE $z = 2$ MAIN SEQUENCE GALAXIES. <b>2015</b> , 814, 76		33
850	Metallicity gradients in local field star-forming galaxies: insights on inflows, outflows, and the coevolution of gas, stars and metals. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 448, 2030-2054	4.3	132
849	The resolution bias: low-resolution feedback simulations are better at destroying galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 453, 1829-1842	4.3	16
848	Cosmological galaxy evolution with superbubble feedback II. Realistic galaxies with moderate feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 453, 3500-3510	4.3	40
847	Warm gas in and around simulated galaxy clusters as probed by absorption lines. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 453, 4052-4070	4.3	12
846	An analysis of the evolving comoving number density of galaxies in hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 2770-2786	4.3	58
845	Scaling relations between black holes and their host galaxies: comparing theoretical and observational measurements, and the impact of selection effects. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 913-932	4.3	40
844	Resolving flows around black holes: numerical technique and applications. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 3445-3463	4.3	24
843	Investigating galaxy-filament alignments in hydrodynamic simulations using density ridges. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 3341-3350	4.3	28

842	A detailed study of feedback from a massive star. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 448, 3248-3264	4-3	75
841	The merger rate of galaxies in the Illustris simulation: a comparison with observations and semi-empirical models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 449, 49-64	4-3	326
840	The stellar accretion origin of stellar population gradients in massive galaxies at large radii. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 449, 528-550	4-3	73
839	The formation of massive, compact galaxies at $z \approx 2$ in the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 449, 361-372	4-3	158
838	The impact of mechanical AGN feedback on the formation of massive early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 449, 4105-4116	4-3	98
837	Inflow velocities of cold flows streaming into massive galaxies at high redshifts. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 3359-3370	4-3	36
836	The Illustris simulation: the evolving population of black holes across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 452, 575-596	4-3	335
835	Star formation in mergers with cosmologically motivated initial conditions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 452, 2984-3000	4-3	10
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832	Constraints on $\Omega_b$ and $\Omega_m$ from the potential-based cluster temperature function. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 1687-1696	4-3	9
831	On the nature of the barlens component in barred galaxies: what do boxy/peanut bulges look like when viewed face-on?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 3843-3863	4-3	46
830	Clustering and lifetime of Lyman Alpha Emitters in the Epoch of Reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 4025-4034	4-3	17
829	Observing and Analyzing Images from a Simulated High-Redshift Universe. <b>2015</b> , 127, 803-824		1
828	Angular momentum evolution for galaxies in a $\Lambda$ CDM scenario. <b>2015</b> , 584, A43		39
827	The resolved star-formation relation in nearby active galactic nuclei. <b>2015</b> , 577, A135		32
826	Stellar hydrodynamical modeling of dwarf galaxies: simulation methodology, tests, and first results. <b>2015</b> , 579, A9		15
825	FM6: Summary of Session #5 on Accretion and Feedback in Active Galactic Nuclei. <b>2015</b> , 11, 101-112		

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806	Cosmological evolution with interaction between dark energy and dark matter. <b>2015</b> , 24, 1530007		128
805	TORQUE-LIMITED GROWTH OF MASSIVE BLACK HOLES IN GALAXIES ACROSS COSMIC TIME. <b>2015</b> , 800, 127		44
804	VAST PLANES OF SATELLITES IN A HIGH-RESOLUTION SIMULATION OF THE LOCAL GROUP: COMPARISON TO ANDROMEDA. <b>2015</b> , 800, 34		40
803	Hot gas in massive haloes drives both mass quenching and environment quenching. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 447, 374-391	4.3	64
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801	The metallicity of galactic winds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 446, 2125-2143	4.3	25
800	Should we believe the results of ultraviolet millimetre galaxy spectral energy distribution modelling?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 446, 1512-1535	4.3	75
799	Synthetic galaxy images and spectra from the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 447, 2753-2771	4.3	81
798	A refined sub-grid model for black hole accretion and AGN feedback in large cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 448, 1504-1525	4.3	101
797	Galactic outflow and diffuse gas properties at $z \approx 1$ using different baryonic feedback models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 447, 266-286	4.3	21
796	The impact of feedback on cosmological gas accretion. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 448, 59-74	4.3	99
795	Simulating realistic disc galaxies with a novel sub-resolution ISM model. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 447, 178-201	4.3	46
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793	Physical Models of Galaxy Formation in a Cosmological Framework. <b>2015</b> , 53, 51-113		667
792	MOMENTUM INJECTION BY SUPERNOVAE IN THE INTERSTELLAR MEDIUM. <b>2015</b> , 802, 99		218
791	The star formation main sequence and stellar mass assembly of galaxies in the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 447, 3548-3563	4.3	159
790	A new class of accurate, mesh-free hydrodynamic simulation methods. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 53-110	4.3	505
789	The reionization of carbon. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 447, 2526-2539	4.3	35

788	Fast cold gas in hot AGN outflows. <b>2015</b> , 448, L30-L34		50
787	MODELING THE TRANSFER FUNCTION FOR THE DARK ENERGY SURVEY. <b>2015</b> , 801, 73		30
786	THE LAUNCHING OF COLD CLOUDS BY GALAXY OUTFLOWS. I. HYDRODYNAMIC INTERACTIONS WITH RADIATIVE COOLING. <b>2015</b> , 805, 158		134
785	Warm dark matter signatures on the 21cm power spectrum: intensity mapping forecasts for SKA. <b>2015</b> , 2015, 047-047		30
784	Deriving star formation histories from photometry using energy balance spectral energy distribution modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 453, 1597-1607	4-3	34
783	Luminosity function of [O ii] emission-line galaxies in the MassiveBlack-II simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 277-287	4-3	6
782	The dust mass in $z > 6$ normal star-forming galaxies. <b>2015</b> , 451, L70-L74		100
781	The modelling of feedback in star formation simulations. <b>2015</b> , 68, 1-33		72
780	ON THE CLUSTER PHYSICS OF SUNYAEV-SELADOVICH AND X-RAY SURVEYS. IV. CHARACTERIZING DENSITY AND PRESSURE CLUMPING DUE TO INFALLING SUBSTRUCTURES. <b>2015</b> , 806, 43		22
779	Mapping galaxy encounters in numerical simulations: the spatial extent of induced star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 448, 1107-1117	4-3	85
778	From discs to bulges: effect of mergers on the morphology of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 452, 4347-4360	4-3	23
777	Reproducing the kinematics of damped Lyman $\alpha$ systems. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 447, 1834-1846	4-3	64
776	The photoheating of the intergalactic medium in synthesis models of the UV background. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 4081-4097	4-3	74
775	The NGC 4013 tale: a pseudo-bulged, late-type spiral shaped by a major merger. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 452, 3551-3560	4-3	13
774	COLD ACCRETION IN EARLY GALAXY FORMATION AND ITS $\tau_{Ly\alpha}$ SIGNATURES. <b>2015</b> , 801, 52		17
773	EFFECTS OF HOT HALO GAS ON STAR FORMATION AND MASS TRANSFER DURING DISTANT GALAXY-GALAXY ENCOUNTERS. <b>2015</b> , 805, 131		6
772	The illustris simulation: Public data release. <b>2015</b> , 13, 12-37		309
771	Large-Scale Structure Formation: From the First Non-linear Objects to Massive Galaxy Clusters. <b>2015</b> , 188, 93-139		26



770	VARIATIONS OF THE ISM COMPACTNESS ACROSS THE MAIN SEQUENCE OF STAR FORMING GALAXIES: OBSERVATIONS AND SIMULATIONS. <b>2016</b> , 817, 76	5
769	CONNECTING THE DOTS: TRACKING GALAXY EVOLUTION USING CONSTANT CUMULATIVE NUMBER DENSITY AT $z \approx 1.7$ . <b>2016</b> , 817, 174	8
768	MASS TRANSPORT AND TURBULENCE IN GRAVITATIONALLY UNSTABLE DISK GALAXIES. II. THE EFFECTS OF STAR FORMATION FEEDBACK. <b>2016</b> , 827, 28	47
767	THE BARYON CYCLE AT HIGH REDSHIFTS: EFFECTS OF GALACTIC WINDS ON GALAXY EVOLUTION IN OVERDENSE AND AVERAGE REGIONS. <b>2016</b> , 829, 71	5
766	A DEEP SEARCH FOR FAINT GALAXIES ASSOCIATED WITH VERY LOW REDSHIFT CIV ABSORBERS. III. THE MASS- AND ENVIRONMENT-DEPENDENT CIRCUMGALACTIC MEDIUM. <b>2016</b> , 832, 124	60
765	MUSE GAS FLOW AND WIND (MEGAFLOW). I. FIRST MUSE RESULTS ON BACKGROUND QUASARS. <b>2016</b> , 833, 39	54
764	HOW ENVIRONMENT AFFECTS GALAXY METALLICITY THROUGH STRIPPING AND FORMATION HISTORY: LESSONS FROM THE ILLUSTRIS SIMULATION. <b>2016</b> , 822, 107	29
763	Forecasts for the WFIRST High Latitude Survey using the BlueTides simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 463, 3520-3530	4-3 24
762	THE ROLE OF STAR FORMATION AND AGN IN DUST HEATING OF $z = 0.3-0.8$ Galaxies. II. INFORMING IR AGN FRACTION ESTIMATES THROUGH SIMULATIONS. <b>2016</b> , 833, 60	21
761	Simulations of ram-pressure stripping in galaxy-cluster interactions. <b>2016</b> , 591, A51	76
760	Planck intermediate results. <b>2016</b> , 586, A140	74
759	MERGER SIGNATURES IN THE DYNAMICS OF STAR-FORMING GAS. <b>2016</b> , 816, 99	23
758	A New Hydrodynamic Model for Numerical Simulation of Interacting Galaxies on Intel Xeon Phi Supercomputers. <b>2016</b> , 719, 012006	10
757	Mathematical modeling of formation, evolution and interaction of galaxies in cosmological context. <b>2016</b> , 722, 012023	2
756	GALACTIC WINDS DRIVEN BY ISOTROPIC AND ANISOTROPIC COSMIC-RAY DIFFUSION IN DISK GALAXIES. <b>2016</b> , 824, L30	88
755	Viscous time lags between starburst and AGN activity. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 2246-2255	4-3 5
754	Outflows and complex stellar kinematics in SDSS star-forming galaxies. <b>2016</b> , 588, A41	51
753	Kinematic Sunyaev-Zeldovich effect with projected fields. II. Prospects, challenges, and comparison with simulations. <b>2016</b> , 94,	44

752	The Relation between Star-Formation Rate and Stellar Mass of Galaxies at $z \sim 1$ . <b>2016</b> , 33,		16
751	Efficient Implementation of Smoothed Particle Hydrodynamics (SPH) with Plane Sweep Algorithm. <b>2016</b> , 19, 770-800		4
750	Beyond . <b>2016</b> , 12, 56-99		249
749	Direct collapse to supermassive black hole seeds: comparing the AMR and SPH approaches. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 3217-3233	4-3	6
748	The growth and enrichment of intragroup gas. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 4266-4290	4-3	25
747	Grandeur in this view of life—N-body simulation models of the Galactic habitable zone. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 3512-3524	4-3	21
746	Baryonic impact on the dark matter distribution in Milky Way-sized galaxies and their satellites. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 458, 1559-1580	4-3	93
745	nIFTy galaxy cluster simulations III. Radiative models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 2973-2991	4-3	35
744	Discriminating topology in galaxy distributions using network analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 2690-2700	4-3	15
743	ON THE NATURE OF HYDROSTATIC EQUILIBRIUM IN GALAXY CLUSTERS. <b>2016</b> , 827, 112		106
742	Resolving flows around black holes: the impact of gas angular momentum. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 463, 63-77	4-3	12
741	Galaxy Formation and Evolution. <b>2016</b> , 202, 79-109		3
740	Interpreting the evolution of galaxy colours from $z=8$ to 5. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 3130-3145	4-3	42
739	A constrained-gradient method to control divergence errors in numerical MHD. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 576-587	4-3	44
738	Weak-lensing mass calibration of the Atacama Cosmology Telescope equatorial Sunyaev-Zeldovich cluster sample with the Canada-France-Hawaii telescope stripe 82 survey. <b>2016</b> , 2016, 013-013		43
737	Physical properties of galaxies: towards a consistent comparison between hydrodynamical simulations and SDSS. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 2046-2062	4-3	12
736	mufasa: galaxy formation simulations with meshless hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 3265-3284	4-3	178
735	The tau of galaxy clusters. <b>2016</b> , 2016, 058-058		34

734	TIDALLY INDUCED OFFSET DISKS IN MAGELLANIC SPIRAL GALAXIES. <b>2016</b> , 827, 149		21
733	Narrow C iv absorption doublets on quasar spectra of the Baryon Oscillation Spectroscopic Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 2980-2989	4-3	6
732	Constraints on galactic wind models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 461, 2762-2776	4-3	7
731	Metals in the $\sim 3$ intergalactic medium: results from an ultra-high signal-to-noise ratio UVES quasar spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 463, 2690-2707	4-3	24
730	Cosmic Dawn (CoDa): the first radiation-hydrodynamics simulation of reionization and galaxy formation in the Local Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 463, 1462-1485	4-3	120
729	Cosmological galaxy evolution with superbubble feedback $\Delta$ . The limits of supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 463, 1431-1445	4-3	35
728	Testing the effect of galactic feedback on the IGM at $z \sim 6$ with metal-line absorbers. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 461, 606-626	4-3	34
727	Simulating the carbon footprint of galactic haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 307-322	4-3	10
726	Strongly time-variable ultraviolet metal-line emission from the circum-galactic medium of high-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 463, 120-133	4-3	11
725	SZ effects in the Magneticum Pathfinder simulation: comparison with the Planck, SPT, and ACT results. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 463, 1797-1811	4-3	86
724	Radiative feedback and cosmic molecular gas: the role of different radiative sources. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 460, 3733-3752	4-3	12
723	Kinetic AGN feedback effects on cluster cool cores simulated using SPH. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 461, 1548-1567	4-3	35
722	Shock finding on a moving-mesh $\Delta$ . Hydrodynamic shocks in the Illustris universe. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 461, 4441-4465	4-3	17
721	Semi-implicit anisotropic cosmic ray transport on an unstructured moving mesh. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 2603-2616	4-3	37
720	Zooming in on major mergers: dense, starbursting gas in cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 2418-2430	4-3	60
719	Intrinsic alignments of disc and elliptical galaxies in the MassiveBlack-II and Illustris simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 2668-2680	4-3	35
718	On the number density of $\Delta$ direct collapse $\Delta$ black hole seeds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 463, 529-540	4-3	65
717	The morphology and kinematics of neutral hydrogen in the vicinity of $z = 0$ galaxies with Milky Way masses $\Delta$ a study with the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 3751-3764	4-3	12

716	A TOTAL MOLECULAR GAS MASS CENSUS IN $\sim 20$ STAR-FORMING GALAXIES: LOW-JCO EXCITATION PROBES OF GALAXIES' EVOLUTIONARY STATES. <b>2016</b> , 827, 18		48
715	THE FORMATION OF A MILKY WAY-SIZED DISK GALAXY. I. A COMPARISON OF NUMERICAL METHODS. <b>2016</b> , 831, 52		6
714	Bimodality of low-redshift circumgalactic O vi in non-equilibrium eagle zoom simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 460, 2157-2179	4-3	126
713	Zooming in on accretion $\dot{M}$ . The structure of halo gas. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 460, 2881-2904	4-3	62
712	Shapley Supercluster Survey: ram-pressure stripping versus tidal interactions in the Shapley supercluster. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 460, 3345-3369	4-3	37
711	Dust formation in Milky Way-like galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 457, 3775-3800	4-3	101
710	Origin and properties of dual and offset active galactic nuclei in a cosmological simulation at $z=2$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 458, 1013-1028	4-3	56
709	nIFTY galaxy cluster simulations $\dot{M}$ . The similarity and diversity of galaxies and subhaloes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 458, 1096-1116	4-3	25
708	Baryon cycling in the low-redshift circumgalactic medium: a comparison of simulations to the COS-Halos survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 1745-1763	4-3	58
707	nIFTY galaxy cluster simulations $\dot{M}$ . Quantifying the influence of baryons on halo properties. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 458, 4052-4073	4-3	30
706	Powerful quasar outflow in a massive disc galaxy at $z \sim 5$ . <b>2016</b> , 457, L34-L38		13
705	Smoothed particle hydrodynamics method for fluid flows, towards industrial applications: Motivations, current state, and challenges. <b>2016</b> , 136, 11-34		231
704	On the assembly of dwarf galaxies in clusters and their efficient formation of globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 455, 2323-2336	4-3	56
703	An improved SPH scheme for cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 455, 2110-2130	4-3	113
702	Assessing the Jeans Anisotropic Multi-Gaussian Expansion method with the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 455, 3680-3692	4-3	35
701	The distribution of atomic hydrogen in eagle galaxies: morphologies, profiles, and H i holes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 1115-1136	4-3	95
700	Neutral hydrogen in galaxy clusters: impact of AGN feedback and implications for intensity mapping. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 3553-3570	4-3	32
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697	Vertical disc heating in Milky Way-sized galaxies in a cosmological context. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 199-219	4-3	95
696	The diverse evolutionary paths of simulated high-z massive, compact galaxies $z=0$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 1030-1048	4-3	79
695	IN-N-OUT: THE GAS CYCLE FROM DWARFS TO SPIRAL GALAXIES. <b>2016</b> , 824, 57		127
694	Star formation and gas phase history of the cosmic web. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 455, 2804-2825	4-3	8
693	Modelling galactic conformity with the colour-age relation in the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 455, 185-198	4-3	31
692	nIFTy galaxy cluster simulations $\lambda$ . Dark matter and non-radiative models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 457, 4063-4080	4-3	48
691	Mergers and the outside-in formation of dwarf spheroidals. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 1185-1194	4-3	35
690	Triple-ionized carbon associated with the low-density neutral hydrogen gas at $z=1.7$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 457, 2005-2028	4-3	5
689	Stellar and quasar feedback in concert: effects on AGN accretion, obscuration, and outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 458, 816-831	4-3	109
688	Simulating the 21 cm signal from reionization including non-linear ionizations and inhomogeneous recombinations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 457, 1550-1567	4-3	33
687	The BlueTides simulation: first galaxies and reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 455, 2778-2791	4-3	105
686	BULGE-DRIVEN FUELING OF SEED BLACK HOLES. <b>2016</b> , 818, 184		26
685	Smoothed Particle Hydrodynamics $\lambda$ Applications. <b>2016</b> , 261-352		
684	Large-scale 3D mapping of the intergalactic medium using the Lyman $\alpha$ forest. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 3610-3623	4-3	15
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682	Large-scale mass distribution in the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 457, 3024-3035	4-3	43
681	The effects of AGN feedback and SPH formulation on black hole growth in galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 458, 1402-1416	4-3	1

680	WHAT SHAPES THE FAR-INFRARED SPECTRAL ENERGY DISTRIBUTIONS OF GALAXIES?. <b>2016</b> , 818, 62		17
679	SEMI-ANALYTIC GALAXY EVOLUTION (SAGE): MODEL CALIBRATION AND BASIC RESULTS. <b>2016</b> , 222, 22		167
678	Halo mass function: baryon impact, fitting formulae, and implications for cluster cosmology. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 2361-2373	4.3	129
677	Recoiling black holes: prospects for detection and implications of spin alignment. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 961-989	4.3	64
676	Effects of simulated cosmological magnetic fields on the galaxy population. <b>2016</b> , 456, L69-L73		29
675	Accurate, meshless methods for magnetohydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 455, 51-88	4.3	74
674	Evaluating galactic habitability using high-resolution cosmological simulations of galaxy formation. <b>2017</b> , 16, 60-73		28
673	IMPACT OF BARYONIC PHYSICS ON INTRINSIC ALIGNMENTS. <b>2017</b> , 834, 169		11
672	Log-normal Star Formation Histories in Simulated and Observed Galaxies. <b>2017</b> , 839, 26		39
671	On the OVI abundance in the circumgalactic medium of low-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 2966-2982	4.3	48
670	The Impact of Galactic Winds on the Angular Momentum of Disk Galaxies in the Illustris Simulation. <b>2017</b> , 841, 16		29
669	Accurate mass and velocity functions of dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 4157-4174	4.3	27
668	Theoretical Challenges in Galaxy Formation. <b>2017</b> , 55, 59-109		285
667	Panchromatic spectral energy distributions of simulated galaxies: results at redshift $z=0$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 3775-3791	4.3	5
666	Simulating cosmic ray physics on a moving mesh. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 4500-4529	4.3	97
665	Increasing Black Hole Feedback-induced Quenching with Anisotropic Thermal Conduction. <b>2017</b> , 837, L18		29
664	Weak-lensing measurement of the mass-richness relation using the SDSS data base. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 1348-1357	4.3	4
663	The evolution of the star formation rate function and cosmic star formation rate density of galaxies at $z \sim 1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 4977-4994	4.3	22

662	Simulating galaxy formation with black hole driven thermal and kinetic feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 3291-3308	4-3	423
661	Simulating Gamma-Ray Emission in Star-forming Galaxies. <b>2017</b> , 847, L13		30
660	Redshift-space distortions of galaxies, clusters, and AGN. <b>2017</b> , 599, A106		11
659	Realistic estimation for the detectability of dark matter subhalos using Fermi-LAT catalogs. <b>2017</b> , 96,		17
658	Cosmic ray feedback in galaxies and active galactic nuclei. <b>2017</b> ,		2
657	Physics of Galactic Metals: Evolutionary Effects due to Production, Distribution, Feedback, and Interaction with Black Holes. <b>2017</b> , 844, 31		38
656	Is ram-pressure stripping an efficient mechanism to remove gas in galaxies?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 80-94	4-3	18
655	Magnetic field formation in the Milky Way like disc galaxies of the Auriga project. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 3185-3199	4-3	74
654	The IRX $\beta$ Relation: Insights from Simulations. <b>2017</b> , 840, 15		27
653	Gravitational torque-driven black hole growth and feedback in cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 2840-2853	4-3	99
652	The cosmic baryon cycle and galaxy mass assembly in the FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 470, 4698-4719	4-3	188
651	The Formation and Evolution of Star Clusters in Interacting Galaxies. <b>2017</b> , 844, 108		16
650	Active galactic nuclei feedback, quiescence and circumgalactic medium metal enrichment in early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 751-768	4-3	32
649	The metallicity and star formation activity of long gamma-ray burst hosts for $z' < 1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 4921-4932	4-3	9
648	The minimum halo mass for star formation at $z = 6$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 1633-1639	4-3	19
647	The cross-correlation between 21 cm intensity mapping maps and the Ly $\alpha$ forest in the post-reionization era. <b>2017</b> , 2017, 001-001		17
646	The Effect of AGN Heating on the Low-redshift Ly $\alpha$ Forest. <b>2017</b> , 835, 175		16
645	The Diversity of Assembly Histories Leading to Disc Galaxy Formation in a $\Lambda$ CDM Model. <b>2017</b> , 34,		13

644	The role of mergers and halo spin in shaping galaxy morphology. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 467, 3083-3098	4-3	93
643	Modeling for Stellar Feedback in Galaxy Formation Simulations. <b>2017</b> , 836, 204		21
642	High Angular Momentum Halo Gas: A Feedback and Code-independent Prediction of LCDM. <b>2017</b> , 843, 47		50
641	The Sherwood simulation suite: overview and data comparisons with the Lyman $\alpha$ forest at redshifts 2 $\leq z \leq 3$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 897-914	4-3	80
640	nIFTy galaxy cluster simulations $\text{IV}$ . Investigation of the cluster infall region. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 2027-2038	4-3	16
639	Outflows driven by quasars in high-redshift galaxies with radiation hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 1854-1873	4-3	52
638	Rotation curve fitting and its fatal attraction to cores in realistically simulated galaxy observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 63-87	4-3	37
637	Cold gas stripping in satellite galaxies: from pairs to clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 1275-1289	4-3	133
636	(Star)bursts of FIRE: observational signatures of bursty star formation in galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 88-104	4-3	117
635	Galaxy simulation with dust formation and destruction. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 105-121	4-3	68
634	Black hole clustering and duty cycles in the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 3331-3343	4-3	16
633	Weak lensing calibration of mass bias in the REFLEX+BCS X-ray galaxy cluster catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 3663-3673	4-3	13
632	A survey of dual active galactic nuclei in simulations of galaxy mergers: frequency and properties. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 4437-4454	4-3	37
631	Gas cooling in hydrodynamic simulations with an exact time integration scheme. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 470, 1017-1025	4-3	2
630	Simulated metal and H I absorption lines at the conclusion of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 470, 2494-2509	4-3	15
629	Feedback first: the surprisingly weak effects of magnetic fields, viscosity, conduction and metal diffusion on sub- $L^*$ galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 471, 144-166	4-3	75
628	Physical drivers of galaxies' cold-gas content: exploring environmental and evolutionary effects with Dark Sage. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 471, 447-462	4-3	36
627	Galaxies in the Illustris simulation as seen by the Sloan Digital Sky Survey $\text{III}$ . Size-luminosity relations and the deficit of bulge-dominated galaxies in Illustris at low mass. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 467, 2879-2895	4-3	46



626	Pressure of the hot gas in simulations of galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 467, 3827-3847	4-3	51
625	The origin of the most massive black holes at high-z: BlueTides and the next quasar frontier. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 467, 4243-4251	4-3	58
624	The history of chemical enrichment in the intracluster medium from cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 531-548	4-3	50
623	Forming disc galaxies in major mergers. The effect of angular momentum on the radial density profiles of disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 994-1004	4-3	12
622	Blossoms from black hole seeds: properties and early growth regulated by supernova feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 3935-3948	4-3	108
621	The origin and evolution of fast and slow rotators in the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 3883-3906	4-3	60
620	Metallicity-dependent kinematics and morphology of the Milky Way bulge. <b>2017</b> , 467, L46-L50		27
619	Probing the Metal Enrichment of the Intergalactic Medium at $z = 5$ Using the Hubble Space Telescope. <b>2017</b> , 849, L18		10
618	AGN jet feedback on a moving mesh: cocoon inflation, gas flows and turbulence. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 4707-4735	4-3	56
617	SZE observables, pressure profiles and centre offsets in Magneticum simulation galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 3069-3087	4-3	28
616	Evolution of Galactic Outflows at $z \sim 0$ Revealed with SDSS, DEEP2, and Keck Spectra. <b>2017</b> , 850, 51		24
615	Exploring 21 cm Ly $\alpha$ Emitter Synergies for SKA. <b>2017</b> , 836, 176		25
614	Simulating the dust content of galaxies: successes and failures. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 1505-1521	4-3	74
613	Implications of Galaxy Buildup for Putative IMF Variations in Massive Galaxies. <b>2017</b> , 845, 136		7
612	Buried AGNs in Advanced Mergers: Mid-infrared Color Selection as a Dual AGN Candidate Finder. <b>2017</b> , 848, 126		48
611	Cosmic Star Formation: A Simple Model of the SFRD(z). <b>2017</b> , 851, 44		12
610	The morphology-density relation: impact on the satellite fraction. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 4769-4785	4-3	15
609	Subhalo demographics in the Illustris simulation: effects of baryons and halo-to-halo variation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 4343-4360	4-3	29

608	The evolution of the star formation rate function in the EAGLE simulations: a comparison with UV, IR and H $\alpha$ observations from $z \sim 8$ to $z \sim 0$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 919-939	4-3	34
607	Is a top-heavy initial mass function needed to reproduce the submillimetre galaxy number counts?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 2462-2467	4-3	8
606	The co-evolution of total density profiles and central dark matter fractions in simulated early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 3742-3756	4-3	64
605	On the coherent rotation of diffuse matter in numerical simulations of clusters of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 2584-2594	4-3	11
604	The effect of stellar and AGN feedback on the low-redshift Lyman $\alpha$ forest in the Sherwood simulation suite. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 471, 1056-1069	4-3	7
603	On the linearity of tracer bias around voids. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 787-799	4-3	33
602	On the Kinematics, Stability and Lifetime of Kinematically Distinct Cores: A Case Study. <b>2017</b> , 5, 41		7
601	The Outer Halos of Very Massive Galaxies: BCGs and their DSC in the Magneticum Simulations. <b>2017</b> , 5, 49		24
600	The VLT LBG redshift survey $\alpha$ VI. Mapping H I in the proximity of $z \sim 3$ LBGs with X-Shooter. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 471, 2174-2186	4-3	16
599	How stellar feedback simultaneously regulates star formation and drives outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 1682-1698	4-3	113
598	Black holes on FIRE: stellar feedback limits early feeding of galactic nuclei. <b>2017</b> , 472, L109-L114		120
597	The SAMI Galaxy Survey: disc-galaxy interactions in radio-selected star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 471, 2438-2452	4-3	3
596	The origin of the enhanced metallicity of satellite galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 508-529	4-3	27
595	The galaxy counterpart of the high-metallicity and 16 kpc impact parameter DLA towards Q 0918+1636 $\alpha$ challenge to galaxy formation models?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 2441-2461	4-3	4
594	Properties of H I discs in the Auriga cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 3859-3875	4-3	40
593	On the effect of galactic outflows in cosmological simulations of disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 470, 3167-3193	4-3	10
592	A local leaky-box model for the local stellar surface density-gas surface density-gas phase metallicity relation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 4494-4501	4-3	9
591	ZOMG $\alpha$ III. Does the halo assembly history influence central galaxies and gas accretion?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 1809-1823	4-3	18

590	The epoch of cosmic heating by early sources of X-rays. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 1174-1190	4-3	32
589	When feedback fails: the scaling and saturation of star formation efficiency. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 3511-3528	4-3	80
588	First results from the IllustrisTNG simulations: the stellar mass content of groups and clusters of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 648-675	4-3	529
587	Simulating galaxy formation with the IllustrisTNG model. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 473, 4077-4106	4-3	618
586	DESCQA: An Automated Validation Framework for Synthetic Sky Catalogs. <b>2018</b> , 234, 36		13
585	A thread-level parallelization of pairwise additive potential and force calculations suitable for current many-core architectures. <b>2018</b> , 74, 2449-2469		3
584	Cosmological hydrodynamical simulations of galaxy clusters: X-ray scaling relations and their evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 474, 4089-4111	4-3	54
583	First results from the IllustrisTNG simulations: a tale of two elements – chemical evolution of magnesium and europium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 1206-1224	4-3	383
582	Using artificial neural networks to constrain the halo baryon fraction during reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 473, 38-58	4-3	12
581	The SAMI Galaxy Survey: understanding observations of large-scale outflows at low redshift with EAGLE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 473, 380-397	4-3	6
580	N-Body Simulations and Galactic Habitability. <b>2018</b> , 173-197		1
579	Dust evolution in galaxy cluster simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 2588-2606	4-3	25
578	Merger-induced metallicity dilution in cosmological galaxy formation simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 3381-3392	4-3	34
577	Reionization in Technicolor. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 2628-2649	4-3	38
576	Athena X-IFU synthetic observations of galaxy clusters to probe the chemical enrichment of the Universe. <b>2018</b> , 620, A173		19
575	The SELGIFS data challenge: generating synthetic observations of CALIFA galaxies from hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 917-931	4-3	8
574	Stellar feedback strongly alters the amplification and morphology of galactic magnetic fields. <b>2018</b> , 473, L111-L115		15
573	Galaxy mergers moulding the circum-galactic medium – II. The impact of a major merger. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 1160-1176	4-3	31

572	Halo occupation distribution (HOD) modelling of high redshift galaxies using the BlueTides simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 3177-3192	4-3	9
571	Models of Tidally Induced Gas Filaments in the Magellanic Stream. <b>2018</b> , 857, 101		25
570	On the Optimal Choice of Nucleosynthetic Yields, Initial Mass Function, and Number of SNe Ia for Chemical Evolution Modeling. <b>2018</b> , 861, 40		12
569	A Review of the Theory of Galactic Winds Driven by Stellar Feedback. <b>2018</b> , 6, 114		34
568	The Dearth of Differences between Central and Satellite Galaxies. II. Comparison of Observations with L-GALAXIES and EAGLE in Star Formation Quenching. <b>2018</b> , 864, 51		9
567	Panchromatic SED modelling of spatially resolved galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 1705-1725	4-3	15
566	The Complementary Roles of Feedback and Mergers in Building the Gaseous Halo and the X-Ray Corona of Milky-Way-sized Galaxies. <b>2018</b> , 867, 73		12
565	BlueTides simulation: establishing black hole-galaxy relations at high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 5063-5073	4-3	16
564	Intensity mapping with SDSS/BOSS Lyman- $\alpha$ emission, quasars, and their Lyman- $\alpha$ forest. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 1320-1336	4-3	29
563	Survey parameters for detecting 21-cm-Ly $\alpha$ emitter cross-correlations with the Square Kilometre Array. <b>2018</b> , 479, L129-L133		7
562	Star formation from dense shocked regions in supersonic isothermal magnetoturbulence. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 3916-3927	4-3	21
561	Gas outflows from the $z=7.54$ quasar: predictions from the BlueTides simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 4877-4884	4-3	17
560	Tracing Outflowing Metals in Simulations of Dwarf and Spiral Galaxies. <b>2018</b> , 867, 142		31
559	Tidally Induced Bars in Gas-rich Dwarf Galaxies Orbiting the Milky Way. <b>2018</b> , 868, 100		7
558	Does slow and steady win the race? Investigating feedback processes in giant molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 2985-3016	4-3	4
557	Supermassive black holes and their feedback effects in the IllustrisTNG simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 4056-4072	4-3	160
556	A population of luminous accreting black holes with hidden mergers. <b>2018</b> , 563, 214-216		45
555	The power of infrared AGN selection in mergers: a theoretical study. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 3056-3071	4-3	59

554	Colour-magnitude diagram in simulations of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 722-741	4-3	6
553	Embedded AGN and star formation in the central 80 pc of IC 3639. <b>2018</b> , 611, A46		3
552	AGN contamination of galaxy-cluster thermal X-ray emission: predictions for eRosita from cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 2213-2227	4-3	13
551	Quenching and ram pressure stripping of simulated Milky Way satellite galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 548-567	4-3	88
550	Enrichment of the Hot Intracluster Medium: Numerical Simulations. <b>2018</b> , 214, 1		22
549	The Role of Cosmic-ray Transport in Shaping the Simulated Circumgalactic Medium. <b>2018</b> , 868, 108		56
548	Multi-scale simulations of black hole accretion in barred galaxies. <b>2018</b> , 614, A105		4
547	Stellar halos in Illustris: probing the histories of Milky Way-mass galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 4004-4016	4-3	22
546	Faraday rotation maps of disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 4410-4418	4-3	25
545	Field spheroid-dominated galaxies in a $\Lambda$ CDM Universe. <b>2018</b> , 614, A85		5
544	Early galaxy formation and its large-scale effects. <b>2018</b> , 780-782, 1-64		170
543	Ingredients for 21 cm Intensity Mapping. <b>2018</b> , 866, 135		88
542	Relativistic jet feedback III. Feedback on gas discs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 5544-5566	4-3	73
541	FIRE-2 simulations: physics versus numerics in galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 800-863	4-3	413
540	Modeling the Atomic-to-molecular Transition in Cosmological Simulations of Galaxy Formation. <b>2018</b> , 238, 33		43
539	Properties of the circumgalactic medium in simulations compared to observations. <b>2018</b> , 609, A66		3
538	Aurigaia: mock Gaia DR2 stellar catalogues from the auriga cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 1726-1743	4-3	30
537	The effect of baryons in the cosmological lensing PDFs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 1305-1325	4-3	19

536	Kinematics of simulated galaxies III. Connecting dynamical and morphological properties of early-type galaxies at different redshifts. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 4636-4658	4-3	38
535	Cosmological simulations of black hole growth II: how (in)significant are merger events for fuelling nuclear activity?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 341-360	4-3	31
534	Evolution of the degree of substructures in simulated galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 2086-2096	4-3	1
533	Characterizing the circum-galactic medium of damped Lyman- $\alpha$ absorbing galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 3120-3132	4-3	16
532	Quenching star formation with quasar outflows launched by trapped IR radiation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 2079-2111	4-3	46
531	Star Cluster Formation in Cosmological Simulations. II. Effects of Star Formation Efficiency and Stellar Feedback. <b>2018</b> , 861, 107		34
530	Column Density Profiles of Cold Clouds Driven by Galactic Outflows. <b>2018</b> , 864, 96		5
529	Multiwavelength mock observations of the WHIM in a simulated galaxy cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 4629-4648	4-3	9
528	Simulation-based marginal likelihood for cluster strong lensing cosmology. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 473, 1736-1750	4-3	4
527	Populating H <sub>2</sub> and CO in galaxy simulation with dust evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 474, 1545-1563	4-3	12
526	Simulating the effect of high column density absorbers on the one-dimensional Lyman $\alpha$ forest flux power spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 474, 3032-3042	4-3	17
525	The radial acceleration relation in disc galaxies in the MassiveBlack-II simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 474, 3125-3132	4-3	14
524	Origin of chemically distinct discs in the Auriga cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 474, 3629-3639	4-3	61
523	The clustering of $z > 7$ galaxies: predictions from the BLUETIDES simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 474, 5393-5405	4-3	13
522	ZOMG - III. The effect of halo assembly on the satellite population. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 473, 2234-2250	4-3	15
521	Quasar outflows at $z \sim 6$ : the impact on the host galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 473, 4003-4020	4-3	27
520	Globular cluster formation and evolution in the context of cosmological galaxy assembly: open questions. <b>2018</b> , 474, 20170616		78
519	An Investigation of Intracluster Light Evolution Using Cosmological Hydrodynamical Simulations. <b>2018</b> , 859, 85		18

518	The dependence of cosmic ray-driven galactic winds on halo mass. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 570-584	4-3	43
517	The descendants of the first quasars in the BlueTides simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 474, 597-603	4-3	16
516	Numerical Simulations of Multiphase Winds and Fountains from Star-forming Galactic Disks. I. Solar Neighborhood TIGRESS Model. <b>2018</b> , 853, 173		91
515	An uncertainty principle for star formation $\hat{\Pi}$ . A new method for characterizing the cloud-scale physics of star formation and feedback across cosmic history. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 1866-1952	4-3	54
514	The Imprint of Neutrinos on Clustering in Redshift Space. <b>2018</b> , 861, 53		49
513	What FIREs up star formation: the emergence of the Kennicutt-Schmidt law from feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 3653-3673	4-3	63
512	The FABLE simulations: a feedback model for galaxies, groups, and clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 5385-5412	4-3	53
511	Nonlinear behavior of plasma: Connection with nonextensive statistics. <b>2018</b> , 510, 486-491		1
510	A three-phase amplification of the cosmic magnetic field in galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 3343-3365	4-3	23
509	Recovering the Physical Properties of Molecular Gas in Galaxies from CO SLED Modeling. <b>2018</b> , 859, 9		9
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506	Supernova feedback in numerical simulations of galaxy formation: separating physics from numerics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 302-331	4-3	39
505	The origin of ICM enrichment in the outskirts of present-day galaxy clusters from cosmological hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 2689-2703	4-3	38
504	The Three Hundred project: a large catalogue of theoretically modelled galaxy clusters for cosmological and astrophysical applications. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 2898-2915	4-3	60
503	Simulating galactic dust grain evolution on a moving mesh. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 2851-2886	4-3	56
502	Interpreting the cosmic far-infrared background anisotropies using a gas regulator model. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 3974-3995	4-3	3
501	Disc-halo interactions in $\Lambda$ CDM. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 198-209	4-3	3

500	Deriving the Hubble constant using Planck and XMM-Newton observations of galaxy clusters. <b>2019</b> , 621, A34		14
499	Momentum and energy injection by a supernova remnant into an inhomogeneous medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 3376-3395	4-3	6
498	The IllustrisTNG simulations: public data release. <b>2019</b> , 6,		308
497	Investigating the co-evolution of massive black holes in dual active galactic nuclei and their host galaxies via galaxy merger simulations. <b>2019</b> , 62, 1		5
496	Simulating the effect of photoheating feedback during reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 419-437	4-3	13
495	The origins of the circumgalactic medium in the FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 1248-1272	4-3	80
494	Intermediate-mass black hole growth and feedback in dwarf galaxies at high redshifts. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 5549-5563	4-3	18
493	Morphology and star formation in IllustrisTNG: the build-up of spheroids and discs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 5416-5440	4-3	59
492	The diversity of the circumgalactic medium around $z = 0$ Milky Way-mass galaxies from the Auriga simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 135-152	4-3	8
491	Modelling baryonic physics in future weak lensing surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 1652-1678	4-3	46
490	Gone after one orbit: How cluster environments quench galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 5370-5389	4-3	33
489	Predictions for the abundance of high-redshift galaxies in a fuzzy dark matter universe. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 5551-5565	4-3	10
488	The redshift evolution of X-ray and Sunyaev-Zeldovich scaling relations in the Fable simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 2439-2470	4-3	18
487	First results from the TNG50 simulation: the evolution of stellar and gaseous discs across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 3196-3233	4-3	186
486	Simulating the interstellar medium and stellar feedback on a moving mesh: implementation and isolated galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 4233-4260	4-3	27
485	Imprints of temperature fluctuations on the $z \sim 5$ Lyman- $\alpha$ forest: a view from radiation-hydrodynamic simulations of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 3177-3195	4-3	23
484	Spin evolution and feedback of supermassive black holes in cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 4133-4153	4-3	18
483	Gas accretion and galactic fountain flows in the Auriga cosmological simulations: angular momentum and metal redistribution. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 4786-4803	4-3	43



482	Discovery of Strongly Inverted Metallicity Gradients in Dwarf Galaxies at $z \sim 2$ . <b>2019</b> , 882, 94		22
481	The diverse galaxy counts in the environment of high-redshift massive black holes in Horizon-AGN. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 1206-1229	4-3	19
480	First results from the TNG50 simulation: galactic outflows driven by supernovae and black hole feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 3234-3261	4-3	233
479	Cross-correlation between the 21-cm signal and [O iii] emitters during early cosmic reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 2471-2477	4-3	8
478	Searching for the shadows of giants: characterizing protoclusters with line of sight Lyman- $\beta$ absorption. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 5381-5397	4-3	8
477	Simulations Find Our Accounting of Dust-obscured Star Formation May Be Incomplete. <b>2019</b> , 881, 18		10
476	The prevalence of pseudo-bulges in the Auriga simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 5742-5763	4-3	24
475	Clumpy galaxies in cosmological simulations: the effect of ISM model. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 4400-4412	4-3	9
474	Radiative properties of the first galaxies: rapid transition between UV and infrared bright phases. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 2629-2643	4-3	17
473	A study of stellar orbit fractions: simulated IllustrisTNG galaxies compared to CALIFA observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 842-854	4-3	10
472	Legacy of star formation in the pre-reionization universe. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 2202-2221	4-3	15
471	Radiative transfer distortions of Lyman $\beta$ emitters: a new Fingers-of-God damping in the clustering in redshift space. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 3472-3491	4-3	8
470	Enhancing AGN efficiency and cool-core formation with anisotropic thermal conduction. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 3003-3013	4-3	15
469	Shape of dark matter haloes in the Illustris simulation: effects of baryons. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 476-493	4-3	30
468	A Quantification of the Butterfly Effect in Cosmological Simulations and Implications for Galaxy Scaling Relations. <b>2019</b> , 871, 21		34
467	Remodelling the evolution of grain size distribution in galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 2555-2572	4-3	26
466	Nonequilibrium Ionization States within Galactic Outflows: Explaining Their O vi and N v Column Densities. <b>2019</b> , 875, 110		8
465	Osaka feedback model: isolated disc galaxy simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 2632-2655	4-3	13

464	The TNG50 Simulation of the IllustrisTNG Project: Bridging the Gap Between Large Cosmological Volumes and Resolved Galaxies. <b>2019</b> , 5-20		
463	Dipole distortions in the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 4181-4189	4-3	1
462	On the Origin of Star Gas Counterrotation in Low-mass Galaxies. <b>2019</b> , 878, 143		23
461	Atomic and molecular gas in IllustrisTNG galaxies at low redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 1529-1550	4-3	42
460	On the Star Formation Efficiency in High-redshift Ly $\alpha$ Emitters. <b>2019</b> , 131, 074101		4
459	A Characteristic Mass Scale in the Mass-Metallicity Relation of Galaxies. <b>2019</b> , 877, 6		21
458	A fundamental test for stellar feedback recipes in galaxy simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 1717-1728	4-3	28
457	The seeds of supermassive black holes and the role of local radiation and metal spreading. <b>2019</b> , 36,		9
456	Magnetic buoyancy in simulated galactic discs with a realistic circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 1008-1028	4-3	13
455	The outer stellar halos of galaxies: how radial merger mass deposition, shells, and streams depend on infall-orbit configurations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 318-332	4-3	30
454	A high baryon fraction in massive haloes at $z \sim 3$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 1489-1508	4-3	6
453	The morphology and kinematics of the gaseous circumgalactic medium of Milky Way mass galaxies III. Comparison of IllustrisTNG and Illustris simulation results. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 4686-4700	4-3	16
452	The global stability of M33: still a puzzle. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 4710-4723	4-3	12
451	Evaluating the ability of triaxial Schwarzschild modelling to estimate properties of galaxies from the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 4753-4772	4-3	13
450	Correlation between SFR Surface Density and Thermal Pressure of Ionized Gas in Local Analogs of High-redshift Galaxies. <b>2019</b> , 872, 146		8
449	Chaos and variance in galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 2244-2261	4-3	37
448	Interacting galaxies on FIRE-2: the connection between enhanced star formation and interstellar gas content. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 1320-1338	4-3	41
447	Chemical evolution of disc galaxies from cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 1384-1404	4-3	11

446	The Auriga stellar haloes: connecting stellar population properties with accretion and merging history. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 2589-2616	4-3	71
445	The velocity anisotropy of the Milky Way satellite system. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 2679-2694	4-3	21
444	How to Measure Galaxy Star Formation Histories. II. Nonparametric Models. <b>2019</b> , 876, 3		107
443	arepo-rt: radiation hydrodynamics on a moving mesh. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 117-149	4-3	41
442	Linking bar- and interaction-driven molecular gas concentration with centrally enhanced star formation in EDGE-CALIFA galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 5192-5211	4-3	29
441	The circumgalactic medium in Lyman $\alpha$ a new constraint on galactic outflow models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 2420-2432	4-3	2
440	The star formation activity of IllustrisTNG galaxies: main sequence, UVJ diagram, quenched fractions, and systematics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 4817-4840	4-3	93
439	Mass-metallicity relation from cosmological hydrodynamical simulations and X-ray observations of galaxy groups and clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 2896-2913	4-3	13
438	Ly $\alpha$ properties of simulated galaxies in overdense regions: effects of galactic winds at $z \sim 6.5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 4601-4618	4-3	5
437	A tiny host galaxy for the first giant black hole: $z = 7.5$ quasar in BlueTides. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 1388-1399	4-3	11
436	Accurate Identification of Galaxy Mergers with Imaging. <b>2019</b> , 872, 76		16
435	IQ-Collaboratory 1.1: The Star-forming Sequence of Simulated Central Galaxies. <b>2019</b> , 872, 160		15
434	Modelling turbulent effects of stellar feedback in cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 4654-4672	4-3	
433	Galactic simulations of r-process elemental abundances. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 5123-5134	4-3	32
432	Redshift space distortion of 21 cm line at $z = 1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 5389-5399	4-3	11
431	On the small-scale clustering of quasars: constraints from the MassiveBlack II simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 2026-2040	4-3	6
430	Cosmological Interpretation of the Color-Magnitude Diagrams of Galaxy Clusters. <b>2019</b> , 870, 70		6
429	What Is Inside Matters: Simulated Green Valley Galaxies Have too Centrally Concentrated Star Formation. <b>2019</b> , 874, L17		9

428	Keck OSIRIS AO LIRG Analysis (KOALA): Feedback in the Nuclei of Luminous Infrared Galaxies. <b>2019</b> , 871, 166		16
427	Dynamic localized turbulent diffusion and its impact on the galactic ecosystem. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 3810-3831	4-3	16
426	VALES V: a kinematic analysis of the molecular gas content in H-ATLAS galaxies at $z \sim 0.03$ – $0.35$ using ALMA. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 1499-1524	4-3	5
425	The physics of multiphase gas flows: fragmentation of a radiatively cooling gas cloud in a hot wind. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 5401-5421	4-3	55
424	The Three Hundred Project: ram pressure and gas content of haloes and subhaloes in the phase-space plane. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 3968-3983	4-3	26
423	A VLT/FORS2 Narrowband Imaging Search for Mg II Emission around $z \sim 0.7$ Galaxies. <b>2019</b> , 879, 7		7
422	Satellite dwarf galaxies: stripped but not quenched. <b>2019</b> , 624, A11		20
421	Alignment between Filaments and Galaxy Spins from the MaNGA Integral-field Survey. <b>2019</b> , 876, 52		21
420	Impact of ICM disturbances on the mean pressure profile of galaxy clusters: A prospective study of the NIKAE SZ large program with MUSIC synthetic clusters. <b>2019</b> , 631, A21		14
419	Hydrodynamical simulations of the triggering of nuclear activities by minor mergers of galaxies. <b>2019</b> , 19, 177		2
418	Weak lensing in the Horizon-AGN simulation lightcone. <b>2019</b> , 626, A72		11
417	Black hole mass of central galaxies and cluster mass correlation in cosmological hydro-dynamical simulations. <b>2019</b> , 630, A144		10
416	How AGN feedback drives the size growth of the first quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 4918-4934	4-3	6
415	Thermal State of the Intergalactic Medium at $z \sim 2$ . <b>2019</b> , 887, 205		5
414	Numerical Simulation of Non-Homogeneous Viscous Debris-Flows Based on the Smoothed Particle Hydrodynamics (SPH) Method. <b>2019</b> , 11, 2314		4
413	Chandracentres for COSMOS X-ray galaxy groups: differences in stellar properties between central dominant and offset brightest group galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 3545-3565	4-3	30
412	The Three Hundred Project: The evolution of galaxy cluster density profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 3390-3403	4-3	23
411	Zooming in on accretion. Cold circumgalactic gas simulated with a super-Lagrangian refinement scheme. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 4040-4059	4-3	50

410	The optical morphologies of galaxies in the IllustrisTNG simulation: a comparison to Pan-STARRS observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 4140-4159	4-3	115
409	Systematic study of outflows in the Local Universe using CALIFA: I. Sample selection and main properties. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 4032-4056	4-3	30
408	Cosmological simulations of galaxy formation. <b>2020</b> , 2, 42-66		125
407	How cold gas continuously entrains mass and momentum from a hot wind. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 492, 1970-1990	4-3	57
406	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> , <b>2020</b> , 491, 4462-4480	4-3	52
405	The early growth of supermassive black holes in cosmological hydrodynamic simulations with constrained Gaussian realizations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 496, 1-12	4-3	7
404	Large-scale simulations of H and He reionization and heating driven by stars and more energetic sources. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 6083-6099	4-3	11
403	The host galaxies of $z = 7$ quasars: predictions from the BlueTides simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 499, 3819-3836	4-3	15
402	On the accretion history of galaxy clusters: temporal and spatial distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 499, 2303-2318	4-3	7
401	Neutron star mergers and rare core-collapse supernovae as sources of r-process enrichment in simulated galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 4867-4883	4-3	26
400	Heart of darkness: the influence of galactic dynamics on quenching star formation in galaxy spheroids. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 199-223	4-3	31
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398	Kinematics of simulated galaxies II: Probing the stellar kinematics of galaxies out to large radii. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 3778-3799	4-3	13
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395	Predictions for the angular dependence of gas mass flow rate and metallicity in the circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 499, 2462-2473	4-3	28
394	QSO obscuration at high redshift ( $z \gtrsim 7$ ): predictions from the bluetides simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 2135-2151	4-3	19
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391	Magnetizing the circumgalactic medium of disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 3125-3137	4-3	16
390	The hestia project: simulations of the Local Group. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 2968-2983	4-3	16
389	Interacting galaxies in the IllustrisTNG simulations: star formation in the post-merger stage. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 3716-3731	4-3	27
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383	An excess of small-scale gravitational lenses observed in galaxy clusters. <b>2020</b> , 369, 1347-1351		36
382	Gravitational waves from Population III binary black holes formed by dynamical capture. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 2475-2495	4-3	21
381	Cosmology dependence of galaxy cluster scaling relations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 3728-3740	4-3	8
380	The Three Hundred project: shapes and radial alignment of satellite, infalling, and backplash galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 3002-3013	4-3	13
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378	Galaxy cold gas contents in modern cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 146-166	4-3	30
377	The effects of cosmic rays on the formation of Milky Way-mass galaxies in a cosmological context. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 1712-1737	4-3	29
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374	Baryonic effects on the matter bispectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 2887-2911	4-3	14
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371	The baryonic Tully-Fisher relation in the simba simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 3687-3702	4-3	8
370	Resolving shocks and filaments in galaxy formation simulations: effects on gas properties and star formation in the circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 499, 597-615	4-3	11
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366	On the origin of magnetic driven winds and the structure of the galactic dynamo in isolated galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 4393-4412	4-3	9
365	SimSpin - Constructing mock IFS kinematic data cubes. <b>2020</b> , 37,		6
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363	The stellar-to-halo mass relation over the past 12 Gyr. <b>2020</b> , 634, A135		23
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359	The AREPO Public Code Release. <b>2020</b> , 248, 32		68
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357	Radiative AGN feedback on a moving mesh: the impact of the galactic disc and dust physics on outflow properties. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 1143-1164	4-3	7

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349	Numerical Modeling of Debris Flows Induced by Dam-Break Using the Smoothed Particle Hydrodynamics (SPH) Method. <b>2020</b> , 10, 2954		3
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345	Entropy-driven winds: Outflows and fountains lifted gently by buoyancy. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 2149-2170	4-3	13
344	Testing galaxy formation simulations with damped Lyman- $\alpha$ abundance and metallicity evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 492, 2835-2846	4-3	7
343	Efficacy of early stellar feedback in low gas surface density environments. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 491, 2088-2103	4-3	13
342	Spatially resolved star formation and fuelling in galaxy interactions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 503, 3113-3133	4-3	18
341	The MAGPI survey: Science goals, design, observing strategy, early results and theoretical framework. <b>2021</b> , 38,		4
340	The physics of gas phase metallicity gradients in galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 5935-5961	4-3	12
339	Magnetogenesis around the first galaxies: the impact of different field seeding processes on galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 5726-5744	4-3	11



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337	The TNG50 Simulation: Highly-Resolved Galaxies in a Large Cosmological Volume to the Present Day. <b>2021</b> , 5-22		
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335	The formation history of the Milky Way disc with high-resolution cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 2251-2265	4-3	2
334	Submillimetre galaxies in cosmological hydrodynamical simulations – an opportunity for constraining feedback models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 2922-2933	4-3	7
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332	Infrared emission of $z \sim 6$ galaxies: AGN imprints. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 503, 2349-2368	4-3	8
331	The sensitivity of stellar feedback to IMF averaging versus IMF sampling in galaxy formation simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 5417-5437	4-3	9
330	The Abell 3391/95 galaxy cluster system. <b>2021</b> , 647, A2		13
329	Feedback factory: multiple faint radio jets detected in a cluster at $z = 2$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 503, 1174-1186	4-3	0
328	Galaxy Look-back Evolution Models: A Comparison with Magneticum Cosmological Simulations and Observations. <b>2021</b> , 910, 87		2
327	On the origin of the mass-metallicity gradient relation in the local Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 53-64	4-3	7
326	Troubled cosmic flows: turbulence, enstrophy, and helicity from the assembly history of the intracluster medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 510-527	4-3	1
325	Edge-on boxes with X-features as parts of galactic bars. <b>2021</b> , 647, A20		3
324	A little FABLE: exploring AGN feedback in dwarf galaxies with cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 503, 3568-3591	4-3	9
323	Morphological evolution of supermassive black hole merger hosts and multimessenger signatures. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 503, 3629-3642	4-3	1
322	On the kinetic Sunyaev-Zeldovich effect as an observational probe for halo spin bias. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 4568-4582	4-3	3
321	The parametrization of gas flows in discs in the Auriga simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 4400-4415	4-3	1

320	The splashback boundary of haloes in hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 4649-4666	4-3	4
319	Interacting galaxies in the IllustrisTNG simulations âIII. (The rarity of) quenching in post-merger galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 1888-1901	4-3	5
318	Compact Starburst Galaxies with Fast Outflows: Central Escape Velocities and Stellar Mass Surface Densities from Multiband Hubble Space Telescope Imaging. <b>2021</b> , 912, 11		4
317	Modelling H <sub>2</sub> and its effects on star formation using a joint implementation of gadget-3 and KROME. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 2325-2345	4-3	2
316	Properties of the ionized CGM and IGM: tests for galaxy formation models from the Sunyaev-Zel'dovich effect. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 5131-5143	4-3	9
315	R-process enhancements of Gaia-Enceladus in GALAH DR3.		13
314	Impact of baryons in cosmic shear analyses with tomographic aperture mass statistics. <b>2021</b> , 648, A115		2
313	Constraining the intrinsic population of long gamma-ray bursts: Implications for spectral correlations, cosmic evolution, and their use as tracers of star formation. <b>2021</b> , 649, A166		1
312	Properties of gas phases around cosmic filaments at $z = 0$ in the IllustrisTNG simulation. <b>2021</b> , 649, A117		8
311	Cosmic rays and non-thermal emission in simulated galaxies âII. Ray maps, spectra, and the far-infraredâray relation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 3295-3313	4-3	7
310	The impact of magnetic fields on cosmological galaxy mergers âI. Reshaping gas and stellar discs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 229-255	4-3	0
309	The effects of binary stars on galaxies and metal-enriched gas during reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 2207-2223	4-3	2
308	Dynamically produced moving groups in interacting simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 2561-2574	4-3	1
307	s-process enrichment of ultrafaint dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 3755-3766	4-3	1
306	Accurate Identification of Galaxy Mergers with Stellar Kinematics. <b>2021</b> , 912, 45		4
305	SIRIUS project. I. Star formation models for star-by-star simulations of star clusters and galaxy formation. <b>2021</b> , 73, 1036-1056		6
304	Cosmic rays and non-thermal emission in simulated galaxies âI. Electron and proton spectra compared to Voyager-1 data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 3273-3294	4-3	7
303	Momentum feedback from marginally resolved H II regions in isolated disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 3470-3491	4-3	5

302	Simulating Groups and the IntraGroup Medium: The Surprisingly Complex and Rich Middle Ground between Clusters and Galaxies. <b>2021</b> , 7, 209		11
301	Pericentric passage-driven star formation in satellite galaxies and their hosts: CLUES from local group simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 531-545	4-3	5
300	Probing Feedback via IGM tomography and the Ly $\alpha$ Forest with Subaru PFS, TMT/ELT, and JWST. <b>2021</b> , 914, 66		5
299	Mass calibration of distant SPT galaxy clusters through expanded weak-lensing follow-up observations with HST, VLT, & Gemini-South. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 3923-3943	4-3	5
298	AGN jet feedback on a moving mesh: gentle cluster heating by weak shocks and lobe disruption. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 488-513	4-3	6
297	An observational testbed for cosmological zoom-in simulations: constraining stellar migration in the solar cylinder using asteroseismology. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 759-774	4-3	3
296	Formation of an Extended Stellar Halo around an Ultra-faint Dwarf Galaxy Following One of the Earliest Mergers from Galactic Building Blocks. <b>2021</b> , 914, L10		3
295	Observing the host galaxies of high-redshift quasars with JWST: predictions from the BlueTides simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 1209-1228	4-3	4
294	What to expect from dynamical modelling of cluster haloes II. The information content of different dynamical tracers. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 3907-3922	4-3	1
293	Gas-phase metallicity gradients of TNG50 star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 3024-3048	4-3	16
292	High-resolution synthetic UV $\lambda$ 300nm images for simulated Milky Way-type galaxies from the Auriga project. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 5703-5720	4-3	4
291	Deep forest: Neural network reconstruction of the Lyman- $\alpha$ Forest. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 5212-5222	4-3	2
290	Joint analysis of anisotropic power spectrum, bispectrum and trispectrum: application to N-body simulations. <b>2021</b> , 2021, 008		7
289	Effects of Spatial Discretization in Ly $\alpha$ Line Radiation Transfer Simulations. <b>2021</b> , 916, 39		4
288	The physical origins and dominant emission mechanisms of Lyman alpha haloes: results from the TNG50 simulation in comparison to MUSE observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 5129-5152	4-3	13
287	The CAMELS Project: Cosmology and Astrophysics with Machine-learning Simulations. <b>2021</b> , 915, 71		22
286	Quenched fractions in the IllustrisTNG simulations: comparison with observations and other theoretical models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 4760-4780	4-3	11
285	Simulating cosmic structure formation with the gadget-4 code. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4-3	30

284	Host galaxies of high-redshift quasars: SMBH growth and feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 1-26	4-3	2
283	The dust attenuation law in $z \sim 6$ quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 3946-3961	4-3	4
282	The baryon cycle of Seven Dwarfs with superbubble feedback.		3
281	Efficient early stellar feedback can suppress galactic outflows by reducing supernova clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 3882-3915	4-3	10
280	Introducing the NEWHORIZON simulation: Galaxy properties with resolved internal dynamics across cosmic time. <b>2021</b> , 651, A109		22
279	The role of gas kinematics in setting metallicity gradients at high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 1295-1308	4-3	2
278	The cold circumgalactic medium in emission: Mg ii haloes in TNG50. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 4445-4463	4-3	7
277	Rise and fall of post-starburst galaxies in Magneticum Pathfinder. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 4516-4542	4-3	4
276	Spatially resolved star formation and inside-out quenching in the TNG50 simulation and 3D-HST observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 508, 219-235	4-3	16
275	Formation of massive disc galaxies in the IllustrisTNG simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 3301-3311	4-3	3
274	The abundance of satellites around Milky Way- and M31-like galaxies with the TNG50 simulation: a matter of diversity. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 4211-4240	4-3	12
273	Reconstructing H i power spectrum with minimal parameters using the dark matter distribution beyond haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 2937-2948	4-3	1
272	Quenching, Mergers, and Age Profiles for $z = 2$ Galaxies in IllustrisTNG. <b>2021</b> , 916, L23		1
271	Do galaxies die? Different views from simulations and observations in the local Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 5108-5116	4-3	2
270	Impact of gas-based seeding on supermassive black hole populations at $z \sim 7$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 2012-2036	4-3	2
269	Hydrogen-helium chemical and nuclear galaxy collision: Hydrodynamic simulations on AVX-512 supercomputers. <b>2021</b> , 391, 113395		2
268	Satellites around Milky Way Analogs: Tension in the Number and Fraction of Quiescent Satellites Seen in Observations versus Simulations. <b>2021</b> , 916, L19		6
267	Modelling the chemical evolution of the Milky Way. <b>2021</b> , 29, 1		14

266	Determining the full satellite population of a Milky Way-mass halo in a highly resolved cosmological hydrodynamic simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 4953-4967	4-3	11
265	Galaxy assembly bias and large-scale distribution: a comparison between IllustrisTNG and a semi-analytic model. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 508, 698-718	4-3	7
264	Velocity dispersion of brightest cluster galaxies in cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 5780-5795	4-3	1
263	AGN and star formation at cosmic noon: comparison of data to theoretical models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 508, 762-780	4-3	1
262	The Observed Cosmic Star Formation Rate Density Has an Evolution that Resembles a $\chi^2$ Distribution and Can Be Described Successfully by Only Two Parameters. <b>2021</b> , 919, 88		1
261	Cosmic rays and non-thermal emission in simulated galaxies: III. probing cosmic ray calorimetry with radio spectra and the FIR-radio correlation. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4-3	5
260	Evolving beyond $z=0$ : insights about the future of stars and the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 5432-5450	4-3	1
259	The eROSITA view of the Abell 3391/95 field: Case study from the Magneticum cosmological simulation.		0
258	OUP accepted manuscript. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4-3	3
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90	Stellar migration in the Auriga simulations. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	1
89	Linking the brightest stellar streams with the accretion history of Milky Way-like galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	1
88	The formation of the first quasars: The black hole seeds, accretion and feedback models. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	0
87	The thesan project: predictions for multi-tracer line intensity mapping in the epoch of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	4

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82	Simulating radio synchrotron emission in star-forming galaxies: small-scale magnetic dynamo and the origin of the far-infrared-radio correlation. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4-3	2
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75	Impact of H <sub>2</sub> -driven star formation and stellar feedback from low-enrichment environments on the formation of spiral galaxies.		
74	The BlueTides mock image catalogue: Simulated observations of high-redshift galaxies and predictions for JWST imaging surveys.		0
73	Tracing the environmental history of observed galaxies via extended fast action minimization method. <b>2022</b> , 516, 231-244		
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