

Gustavo Yepes

List of Publications by Year in descending order

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Version: 2024-02-01

209

papers

11,170

citations

36303

51

h-index

34986

98

g-index

216

all docs

216

docs citations

216

times ranked

5578

citing authors

#	ARTICLE	IF	CITATIONS
1	Morphological analysis of SZ and X-ray maps of galaxy clusters with Zernike polynomials. EPJ Web of Conferences, 2022, 257, 00008.	0.3	1
2	Mass Estimation of Planck Galaxy Clusters using Deep Learning. EPJ Web of Conferences, 2022, 257, 00013.	0.3	4
3	The three hundred project: galaxy cluster mergers and their impact on the stellar component of brightest cluster galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2897-2913.	4.4	9
4	Velocity dispersion vs cluster mass: A new scaling law with The Three Hundred clusters. EPJ Web of Conferences, 2022, 257, 00018.	0.3	5
5	Numerical simulations of bar formation in the Local Group. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2423-2433.	4.4	4
6	The hydrostatic mass bias in The Three Hundred clusters. EPJ Web of Conferences, 2022, 257, 00020.	0.3	5
7	Cosmic filaments delay quenching inside clusters. Monthly Notices of the Royal Astronomical Society, 2022, 512, 926-944.	4.4	10
8	NIHAO-LG: the uniqueness of Local Group dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 6134-6149.	4.4	6
9	Galaxy velocity bias in cosmological simulations: towards per cent-level calibration. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2980-2997.	4.4	12
10	Brightest cluster galaxies trace weak lensing mass bias and halo triaxiality in the three hundred project. Monthly Notices of the Royal Astronomical Society, 2022, 513, 2178-2193.	4.4	7
11	A machine learning approach to correct for mass resolution effects in simulated halo clustering statistics. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4318-4331.	4.4	2
12	<scp>The Three Hundred</scp> project: The <scp>gizmo-simba</scp> run. Monthly Notices of the Royal Astronomical Society, 2022, 514, 977-996.	4.4	31
13	A stochastic model to reproduce the star formation history of individual galaxies in hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2022, 515, 3249-3269.	4.4	3
14	<scp>The Three Hundred</scp> project: the gas disruption of infalling objects in cluster environments. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5029-5041.	4.4	15
15	Exploring the hydrostatic mass bias in MUSIC clusters: application to the NIKA2 mock sample. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5115-5133.	4.4	41
16	Cosmic filaments in galaxy cluster outskirts: quantifying finding filaments in redshift space. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2065-2076.	4.4	18
17	Astraeus I: the interplay between galaxy formation and reionization. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3698-3723.	4.4	69
18	l â€œ A hydrodynamical <scp>clone</scp> of the Virgo cluster of galaxies to confirm observationally driven formation scenarios. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2998-3012.	4.4	9

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19	The Three Hundred project: dynamical state of galaxy clusters and morphology from multiwavelength synthetic maps. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5383-5400.	4.4	36
20	CLUMP-3D: the lack of non-thermal motions in galaxy cluster cores. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4338-4344.	4.4	11
21	Astraeus II. Quantifying the impact of cosmic variance during the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2021, 506, 202-214.	4.4	14
22	Astraeus III. The environment and physical properties of reionization sources. Monthly Notices of the Royal Astronomical Society, 2021, 506, 215-228.	4.4	9
23	Linear bias and halo occupation distribution of emission-line galaxies from <i>Nancy Grace Roman Space Telescope</i>. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2784-2800.	4.4	11
24	Lyman- τ transmission properties of the intergalactic medium in the CoDall simulation. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3697-3709.	4.4	20
25	The Three Hundred Project: Substructure in hydrodynamical and dark matter simulations of galaxy groups around clusters. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1191-1204.	4.4	13
26	<sc>cosmic birth</sc>: efficient Bayesian inference of the evolving cosmic web from galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3456-3475.	4.4	18
27	<sc>the threehundred</sc>: the structure and properties of cosmic filaments in the outskirts of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 502, 714-727.	4.4	34
28	The Three Hundred project: quest of clusters of galaxies morphology and dynamical state through Zernike polynomials. Monthly Notices of the Royal Astronomical Society, 2021, 503, 6155-6169.	4.4	22
29	Clustering in the simulated Hе galaxy redshift survey from <i>Nancy Grace Roman Space Telescope</i>. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3490-3501.	4.4	7
30	Astraeus IV: quantifying the star formation histories of galaxies in the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2021, 509, 595-613.	4.4	9
31	Hе IM correlation function from UNIT simulations: BAO and observationally induced anisotropy. Monthly Notices of the Royal Astronomical Society, 2021, 510, 292-308.	4.4	6
32	An inventory of galaxies in cosmic filaments feeding galaxy clusters: galaxy groups, backplash galaxies, and pristine galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 510, 581-592.	4.4	27
33	Mapping and characterization of cosmic filaments in galaxy cluster outskirts: strategies and forecasts for observations from simulations. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5473-5491.	4.4	41
34	Protoclusters at $z = 5.7$: a view from the MultiDark galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5220-5228.	4.4	2
35	Cosmic Dawn II (CoDa II): a new radiation-hydrodynamics simulation of the self-consistent coupling of galaxy formation and reionization. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4087-4107.	4.4	89
36	Galactic ionizing photon budget during the epoch of reionization in the Cosmic Dawn II simulation. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4342-4357.	4.4	32

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37	The Three Hundred project: the stellar and gas profiles. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2930-2948.	4.4	24
38	The <sc>hestia</sc> project: simulations of the Local Group. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2968-2983.	4.4	56
39	The past history of galaxy clusters told by their present neighbours. Monthly Notices of the Royal Astronomical Society, 2020, 496, 5139-5148.	4.4	6
40	Dark matter simulations with primordial black holes in the early Universe. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4854-4862.	4.4	14
41	TheThreeHundred project: backplash galaxies in simulations of clusters. Monthly Notices of the Royal Astronomical Society, 2020, 492, 6074-6085.	4.4	57
42	Confirmation of NIKAE2 investigation of the Sunyaev-Zel'dovich effect by using synthetic clusters of galaxies. EPJ Web of Conferences, 2020, 228, 00008.	0.3	2
43	The Three Hundred Project: Correcting for the hydrostatic-equilibrium mass bias in X-ray and SZ surveys. Astronomy and Astrophysics, 2020, 634, A113.	5.1	46
44	Improving baryon acoustic oscillation measurement with the combination of cosmic voids and galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4554-4572.	4.4	11
45	The bias of dark matter tracers: assessing the accuracy of mapping techniques. Monthly Notices of the Royal Astronomical Society, 2020, 493, 586-593.	4.4	12
46	Clustering with JWST: Constraining galaxy host halo masses, satellite quenching efficiencies, and merger rates at $z < 10$. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1178-1196.	4.4	17
47	The Universe at $z > 10$: predictions for JWST from the <sc>universemachine</sc> DR1. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5702-5718.	4.4	74
48	Biasing Relation, Environmental Dependencies, and Estimation of the Growth Rate from Star-forming Galaxies. Astrophysical Journal, 2020, 905, 47.	4.5	3
49	Associations of dwarf galaxies in a Λ CDM Universe. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5932-5940.	4.4	2
50	Prediction of $H\alpha$ and $[OIII]$ emission line galaxy number counts for future galaxy redshift surveys. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3667-3678.	4.4	15
51	The origin of lopsided satellite galaxy distribution in galaxy pairs. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3100-3108.	4.4	8
52	Comparing approximate methods for mock catalogues and covariance matrices II: bispectrum. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4883-4905.	4.4	55
53	Comparing approximate methods for mock catalogues and covariance matrices I. Correlation function. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1786-1806.	4.4	63
54	UNIT project: Universe N-body simulations for the Investigation of Theoretical models from galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2019, 487, 48-59.	4.4	54

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55	Comparing approximate methods for mock catalogues and covariance matrices II: power spectrum multipoles. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2806-2824.	4.4	53
56	<scp>TheThreeHundred</scp> Project: ram pressure and gas content of haloes and subhaloes in the phase-space plane. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3968-3983.	4.4	44
57	On the Mass Assembly History of the Local Group. Monthly Notices of the Royal Astronomical Society, 2019, , .	4.4	9
58	The Three Hundred Project: The evolution of galaxy cluster density profiles. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3390-3403.	4.4	40
59	MultiDark-Galaxies: data release and first results. Monthly Notices of the Royal Astronomical Society, 2018, 474, 5206-5231.	4.4	60
60	Tracing the cosmic web. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1195-1217.	4.4	187
61	The large-scale environment from cosmological simulations â€“ I. The baryonic cosmic web. Monthly Notices of the Royal Astronomical Society, 2018, 473, 68-79.	4.4	28
62	The Three Hundred Project: The Influence of Environment on Simulated Galaxy Properties. Astrophysical Journal, 2018, 868, 130.	4.5	32
63	Suppression of star formation in low-mass galaxies caused by the reionization of their local neighbourhood. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1740-1753.	4.4	39
64	Reionization of the Milky Way, M31, and their satellites â€“ I. Reionization history and star formation. Monthly Notices of the Royal Astronomical Society, 2018, 477, 867-881.	4.4	11
65	Morphological estimators on Sunyaevâ€“Zel'dovich maps of MUSIC clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 477, 139-152.	4.4	24
66	The Inhomogeneous Reionization Times of Present-day Galaxies. Astrophysical Journal Letters, 2018, 856, L22.	8.3	31
67	Semi-analytic galaxies â€“ I. Synthesis of environmental and star-forming regulation mechanisms. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2-24.	4.4	95
68	The quasi-linear nearby Universe. Nature Astronomy, 2018, 2, 680-687.	10.1	23
69	The Three Hundred project: a large catalogue of theoretically modelled galaxy clusters for cosmological and astrophysical applications. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2898-2915.	4.4	131
70	Kinetic Sunyaevâ€“Zelâ€™dovich effect in rotating galaxy clusters from MUSIC simulations. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4028-4040.	4.4	27
71	Accurate mass and velocity functions of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4157-4174.	4.4	33
72	Can cluster merger shocks reproduce the luminosity and shape distribution of radio relics?. Monthly Notices of the Royal Astronomical Society, 2017, 470, 240-263.	4.4	39

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73	nIFTy galaxy cluster simulations – V. Investigation of the cluster infall region. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2027-2038.	4.4	16
74	On the shape of dark matter haloes from MultiDark Planck simulations. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3226-3238.	4.4	37
75	Clustering of quasars in the first year of the SDSS-IV eBOSS survey: interpretation and halo occupation distribution. Monthly Notices of the Royal Astronomical Society, 2017, 468, 728-740.	4.4	32
76	Universal subhalo accretion in cold and warm dark matter cosmologies. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4099-4109.	4.4	5
77	Pushing down the low-mass halo concentration frontier with the Lomonosov cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4918-4927.	4.4	14
78	Accurate halo – galaxy mocks from automatic bias estimation and particle mesh gravity solvers. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4144-4154.	4.4	12
79	On the coherent rotation of diffuse matter in numerical simulations of clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2584-2594.	4.4	15
80	TURNING AROUND ALONG THE COSMIC WEB. Astrophysical Journal, 2016, 832, 185.	4.5	17
81	Modelling galaxy clustering: halo occupation distribution versus subhalo matching. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3040-3058.	4.4	79
82	MultiDark simulations: the story of dark matter halo concentrations and density profiles. Monthly Notices of the Royal Astronomical Society, 2016, 457, 4340-4359.	4.4	687
83	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: mock galaxy catalogues for the BOSS Final Data Release. Monthly Notices of the Royal Astronomical Society, 2016, 456, 4156-4173.	4.4	213
84	The tangential velocity of M31: CLUES from constrained simulations. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 460, L5-L9.	3.3	9
85	nIFTy galaxy cluster simulations – II. Radiative models. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2973-2991.	4.4	45
86	MultiDarkLens Simulations: weak lensing light-cones and data base presentation. Monthly Notices of the Royal Astronomical Society, 2016, 461, 209-223.	4.4	23
87	Clustering properties of g -selected galaxies at $z \sim 0.8$. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3421-3431.	4.4	47
88	Cosmic Dawn (CoDa): the first radiation-hydrodynamics simulation of reionization and galaxy formation in the Local Universe. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1462-1485.	4.4	163
89	GALAXY THREE-POINT CORRELATION FUNCTIONS AND HALO/SUBHALO MODELS. Astrophysical Journal, 2016, 831, 3.	4.5	15
90	The evolution of the $[O\text{II}]$, $H\alpha^2$ and $[O\text{III}]$ emission line luminosity functions over the last nine billions years. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1076-1087.	4.4	29

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91	Cosmicflows Constrained Local Universe Simulations. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2078-2090.	4.4	72
92	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: modelling the clustering and halo occupation distribution of BOSS CMASS galaxies in the Final Data Release. Monthly Notices of the Royal Astronomical Society, 2016, 460, 1173-1187.	4.4	150
93	Hunting down systematics in baryon acoustic oscillations after cosmic high noon. Monthly Notices of the Royal Astronomical Society, 2016, 458, 613-623.	4.4	17
94	nIFTy galaxy cluster simulations â€“ III. The similarity and diversity of galaxies and subhaloes. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1096-1116.	4.4	32
95	nIFTy galaxy cluster simulations â€“ IV. Quantifying the influence of baryons on halo properties. Monthly Notices of the Royal Astronomical Society, 2016, 458, 4052-4073.	4.4	39
96	How did the Virgo cluster form?. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2015-2024.	4.4	23
97	nIFTy galaxy cluster simulations â€“ I. Dark matter and non-radiative models. Monthly Notices of the Royal Astronomical Society, 2016, 457, 4063-4080.	4.4	63
98	Mergers and the outside-in formation of dwarf spheroidals. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1185-1194.	4.4	53
99	The Low Redshift survey at Calar Alto (LoRCA). Monthly Notices of the Royal Astronomical Society, 2016, 458, 2940-2952.	4.4	3
100	Constrained Local Universe Simulations: a Local Group factory. Monthly Notices of the Royal Astronomical Society, 2016, 458, 900-911.	4.4	42
101	The distribution of mass components in simulated disc galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 455, 476-483.	4.4	53
102	THE MORPHOLOGIES AND ALIGNMENTS OF GAS, MASS, AND THE CENTRAL GALAXIES OF CLASH CLUSTERS OF GALAXIES. Astrophysical Journal, 2016, 819, 36.	4.5	50
103	Redshift-space clustering of SDSS galaxies â€“ luminosity dependence, halo occupation distribution, and velocity bias. Monthly Notices of the Royal Astronomical Society, 2015, 453, 4369-4384.	4.4	90
104	Halo mass distribution reconstruction across the cosmic web. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4266-4276.	4.4	27
105	Constraining the halo bispectrum in real and redshift space from perturbation theory and non-linear stochastic bias. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1836-1845.	4.4	54
106	The Milky Way and Andromeda galaxies in a constrained hydrodynamical simulation: morphological evolution. Astronomy and Astrophysics, 2015, 577, A3.	5.1	15
107	The imprint of reionization on the star formation histories of dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 450, 4207-4220.	4.4	58
108	EZmocks: extending the Zel'dovich approximation to generate mock galaxy catalogues with accurate clustering statistics. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2621-2628.	4.4	117

#	ARTICLE	IF	CITATIONS
109	Self-similarity and universality of void density profiles in simulation and SDSS data. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3997-4009.	4.4	33
110	An 8-mm diameter fibre robot positioner for massive spectroscopy surveys. Monthly Notices of the Royal Astronomical Society, 2015, 450, 794-806.	4.4	12
111	THE EFFECT OF ENVIRONMENT ON MILKY-WAY-MASS GALAXIES IN A CONSTRAINED SIMULATION OF THE LOCAL GROUP. Astrophysical Journal Letters, 2015, 800, L4.	8.3	18
112	VAST PLANES OF SATELLITES IN A HIGH-RESOLUTION SIMULATION OF THE LOCAL GROUP: COMPARISON TO ANDROMEDA. Astrophysical Journal, 2015, 800, 34.	4.5	44
113	Halo abundance matching: accuracy and conditions for numerical convergence. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3693-3707.	4.4	26
114	nIFTy cosmology: Galaxy/halo mock catalogue comparison project on clustering statistics. Monthly Notices of the Royal Astronomical Society, 2015, 452, 686-700.	4.4	71
115	Ram pressure statistics for bent tail radio galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 446, 3310-3318.	4.4	8
116	Universal void density profiles from simulation and SDSS. Proceedings of the International Astronomical Union, 2014, 11, 542-545.	0.0	6
117	The ISW imprints of voids and superclusters on the CMB. Proceedings of the International Astronomical Union, 2014, 11, 580-584.	0.0	0
118	THE MUSIC OF CLASH: PREDICTIONS ON THE CONCENTRATION-MASS RELATION. Astrophysical Journal, 2014, 797, 34.	4.5	115
119	The MUSIC of galaxy clusters â€“ II. X-ray global properties and scaling relations. Monthly Notices of the Royal Astronomical Society, 2014, 439, 588-603.	4.4	42
120	The Jubilee ISW project â€“ I. Simulated ISW and weak lensing maps and initial power spectra results. Monthly Notices of the Royal Astronomical Society, 2014, 438, 412-425.	4.4	28
121	The Jubilee ISW Project - II. Observed and simulated imprints of voids and superclusters on the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2014, 446, 1321-1334.	4.4	36
122	THE REIONIZATION OF GALACTIC SATELLITE POPULATIONS. Astrophysical Journal, 2014, 794, 20.	4.5	16
123	The MUSIC of Galaxy Clusters â€“ III. Properties, evolution and Yâ€“M scaling relation of protoclusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 440, 3520-3531.	4.4	25
124	Statistics of extreme objects in the Juropa Hubble Volume simulationâ€¦... Monthly Notices of the Royal Astronomical Society, 2014, 437, 3776-3786.	4.4	48
125	Modelling baryon acoustic oscillations with perturbation theory and stochastic halo biasing. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 439, L21-L25.	3.3	134
126	Hydrodynamical simulations of coupled and uncoupled quintessence models â€“ I. Halo properties and the cosmic web. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2943-2957.	4.4	29

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127	Hydrodynamical simulations of coupled and uncoupled quintessence models – II. Galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2958-2969.	4.4	15
128	Dark matter in the Local Universe. New Astronomy Reviews, 2014, 58, 1-18.	12.8	38
129	Cosmic variance of the local Hubble flow in large-scale cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2014, 438, 1805-1812.	4.4	58
130	THE STELLAR-TO-HALO MASS RELATION FOR LOCAL GROUP GALAXIES. Astrophysical Journal Letters, 2014, 784, L14.	8.3	87
131	THE KINEMATICS OF THE LOCAL GROUP IN A COSMOLOGICAL CONTEXT. Astrophysical Journal Letters, 2013, 767, L5.	8.3	14
132	HIGH-RESOLUTION SIMULATIONS OF THE REIONIZATION OF AN ISOLATED MILKY WAY-M31 GALAXY PAIR. Astrophysical Journal, 2013, 777, 51.	4.5	22
133	DWARF GALAXIES AND THE COSMIC WEB. Astrophysical Journal Letters, 2013, 763, L41.	8.3	94
134	The MUSIC of galaxy clusters – I. Baryon properties and scaling relations of the thermal Sunyaev-Zel'dovich effect. Monthly Notices of the Royal Astronomical Society, 2013, 429, 323-343.	4.4	89
135	Size matters: the non-universal density profile of subhaloes in SPH simulations and implications for the Milky Way's dSphs. Monthly Notices of the Royal Astronomical Society, 2013, 431, 1220-1229.	4.4	33
136	Cold versus Warm Dark Matter Simulations of a Galaxy Group. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	17
137	The halo mass function through the cosmic ages. Monthly Notices of the Royal Astronomical Society, 2013, 433, 1230-1245.	4.4	197
138	The evolution of the $\langle Y \rangle$ – $\langle M \rangle$ scaling relation in MUSIC clusters. Astronomische Nachrichten, 2013, 334, 441-444.	1.2	1
139	CLUES on Fermi-LAT prospects for the extragalactic detection of $\hat{1}/4\hat{1}/2$ SSM gravitino dark matter. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 001-001.	5.4	27
140	A kinematic classification of the cosmic web. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2049-2057.	4.4	139
141	Modelling the fraction of Lyman break galaxies with strong Lyman- α emission at. Monthly Notices of the Royal Astronomical Society, 2012, 419, 952-958.	4.4	22
142	How many radio relics await discovery?. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2006-2019.	4.4	51
143	The cosmic web and the orientation of angular momenta. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 421, L137-L141.	3.3	89
144	Applying scale-free mass estimators to the Local Group in Constrained Local Universe Simulations. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1883-1895.	4.4	14

#	ARTICLE	IF	CITATIONS
145	N-body simulations with a cosmic vector for dark energy. Monthly Notices of the Royal Astronomical Society, 2012, 424, 699-715.	4.4	22
146	DARK MATTER DECAY AND ANNIHILATION IN THE LOCAL UNIVERSE: CLUES FROM $\langle i \rangle$ FERMI $\langle /i \rangle$. Astrophysical Journal Letters, 2011, 726, L6.	8.3	19
147	Comparison of an X-ray-selected sample of massive lensing clusters with the MareNostrum Universe Λ CDM simulation. Astronomy and Astrophysics, 2011, 530, A17.	5.1	62
148	The preferred direction of infalling satellite galaxies in the Local Group. Monthly Notices of the Royal Astronomical Society, 2011, 411, 1525-1535.	4.4	100
149	The luminosities of backplash galaxies in constrained simulations of the Local Group. Monthly Notices of the Royal Astronomical Society, 2011, 412, 529-536.	4.4	47
150	Reionization of the Local Group of galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 413, 2093-2102.	4.4	22
151	Haloes gone MADâ€¦: The Halo-Finder Comparison Project. Monthly Notices of the Royal Astronomical Society, 2011, 415, 2293-2318.	4.4	302
152	CLARAâ€™s view on the escape fraction of Lyman $\hat{\pm}$ photons in high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3666-3680.	4.4	31
153	Large-scale environmental bias of the high-redshift quasar line-of-sight proximity effect. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3851-3864.	4.4	4
154	The dark matter assembly of the Local Group in constrained cosmological simulations of a $\hat{\Lambda}$ cold dark matter universe. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1434-1443.	4.4	34
155	Vector dark energy and high-z massive clusters. Monthly Notices of the Royal Astronomical Society, 2011, 418, 2715-2719.	4.4	17
156	Renegade subhaloes in the Local Group. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 417, L56-L60.	3.3	31
157	Too small to succeed? Lighting up massive dark matter subhaloes of the Milky Way. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 417, L74-L78.	3.3	40
158	Disentangling the dark matter halo from the stellar halo. Monthly Notices of the Royal Astronomical Society, 2011, 418, 336-345.	4.4	32
159	Accretion dynamics and disk evolution in NGCâ2264: a study based on CoRoT photometric observations. Astronomy and Astrophysics, 2010, 519, A88.	5.1	146
160	THE LARGE-SCALE BIAS OF DARK MATTER HALOS: NUMERICAL CALIBRATION AND MODEL TESTS. Astrophysical Journal, 2010, 724, 878-886.	4.5	733
161	Near field cosmological simulations: Is Dark Energy playing a role in our Local Neighbourhood?. , 2010, , .		0
162	Simulated versus observed UV emission at high redshift: a hint for a clumpy interstellar medium?. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 403, L31-L35.	3.3	8

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163	Constrained simulations of the Local Group: on the radial distribution of substructures. Monthly Notices of the Royal Astronomical Society, 2010, 401, 1889-1897.	4.4	80
164	The grouping, merging and survival of subhaloes in the simulated Local Group. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1899-1910.	4.4	67
165	The impact of baryonic physics on the shape and radial alignment of substructures in cosmological dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	23
166	The relation between halo shape, velocity dispersion and formation time. Monthly Notices of the Royal Astronomical Society, 2010, 407, 581-589.	4.4	26
167	THE EVOLUTION OF CENTRAL GROUP GALAXIES IN HYDRODYNAMICAL SIMULATIONS. Astrophysical Journal, 2010, 709, 218-240.	4.5	95
168	Lithium depletion in solar-like stars: no planet connection. Astronomy and Astrophysics, 2010, 519, A87.	5.1	133
169	BULLET CLUSTERS IN THE MARENOSTRUM UNIVERSE. Astrophysical Journal, 2010, 725, 598-604.	4.5	22
170	Constrained Local Universe Simulations (CLUES). , 2010, , 309-322.		16
171	THE VELOCITY FUNCTION IN THE LOCAL ENVIRONMENT FROM Λ CDM AND Λ WDM CONSTRAINED SIMULATIONS. Astrophysical Journal, 2009, 700, 1779-1793.	4.5	160
172	A dynamical classification of the cosmic web. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1815-1824.	4.4	208
173	Constrained simulations of the local universe - II. The nature of the local Hubble flow. Monthly Notices of the Royal Astronomical Society, 2009, 397, 2070-2080.	4.4	17
174	The sizes of minivoids in the local Universe: an argument in favour of a warm dark matter model?. Monthly Notices of the Royal Astronomical Society, 2009, 399, 1611-1621.	4.4	62
175	The Sunyaev-Zeldovich effect in superclusters of galaxies using gasdynamical simulations: the case of Corona Borealis. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1868-1880.	4.4	7
176	The CLUES project: Constrained Local Universe Simulations. , 2009, , .		3
177	Constrained Simulations of the Local Universe in Different Dark Matter Scenarios. , 2009, , .		2
178	Understanding dark matter with Fermi and numerical simulations. , 2009, , .		0
179	On the relation between the radial alignment of dark matter subhaloes and host mass in cosmological simulations. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 386, L52-L56.	3.3	25
180	Spin alignment of dark matter haloes in the shells of the largest voids. Monthly Notices of the Royal Astronomical Society, 2008, 385, 867-874.	4.4	29

#	ARTICLE	IF	CITATIONS
181	The local Hubble flow: is it a manifestation of dark energy?. Monthly Notices of the Royal Astronomical Society, 2008, 386, 390-396.	4.4	19
182	Diffuse radio emission from clusters in the MareNostrum Universe simulation. Monthly Notices of the Royal Astronomical Society, 2008, 391, 1511-1526.	4.4	82
183	Toward a Halo Mass Function for Precision Cosmology: The Limits of Universality. Astrophysical Journal, 2008, 688, 709-728.	4.5	1,387
184	The future of the local large scale structure: the roles of dark matter and dark energy. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 016-016.	5.4	20
185	Shape, Spin, and Baryon Fraction of Clusters in the MareNostrum Universe. Astrophysical Journal, 2007, 664, 117-122.	4.5	93
186	Is WMAP3 Normalization Compatible with the X-Ray Cluster Abundance?. Astrophysical Journal, 2007, 666, L61-L64.	4.5	15
187	Too Small to Form a Galaxy: How the UV Background Determines the Baryon Fraction. Proceedings of the International Astronomical Union, 2007, 3, 279-283.	0.0	0
188	The MareNostrum Galaxy Formation Simulation Project. Proceedings of the International Astronomical Union, 2007, 3, 393-394.	0.0	0
189	Entropy of gas and dark matter in galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2007, 376, 1327-1334.	4.4	31
190	Constrained simulations of the local universe – I. Mass and motion in the local volume. Monthly Notices of the Royal Astronomical Society, 2007, 378, 1601-1608.	4.4	14
191	Dark and baryonic matter in the MareNostrum Universe. AIP Conference Proceedings, 2006, , .	0.4	4
192	The shape-alignment relation in Λ cold dark matter cosmic structures. Monthly Notices of the Royal Astronomical Society, 2006, 365, 539-547.	4.4	49
193	Adiabatic scaling relations of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2006, 371, 193-203.	4.4	27
194	Dwarf galaxies in voids: suppressing star formation with photoheating. Monthly Notices of the Royal Astronomical Society, 2006, 371, 401-414.	4.4	251
195	Imprints of mass accretion on properties of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2005, 362, 1099-1108.	4.4	39
196	Radio relics in a cosmological cluster merger simulation. Monthly Notices of the Royal Astronomical Society, 2004, 347, 389-393.	4.4	40
197	On the physical origin of dark matter density profiles. Monthly Notices of the Royal Astronomical Society, 2004, 352, 1109-1120.	4.4	123
198	Galaxy formation in voids. , 2004, , .		0

#	ARTICLE	IF	CITATIONS
199	The radial structure of galaxy groups and clusters. Monthly Notices of the Royal Astronomical Society, 2003, 346, 731-745.	4.4	62
200	Evolution of the Star Formation Rate in Different Cosmological Scenarios. , 2001, , 21-24.		0
201	On the supernova heating of the intergalactic medium. Monthly Notices of the Royal Astronomical Society, 2000, 318, 227-238.	4.4	52
202	Hydrodynamical simulations of galaxy properties: Environmental effects. New Astronomy, 1999, 4, 101-132.	1.8	9
203	Scaling analysis of dark matter models. Astroparticle Physics, 1996, 5, 53-68.	4.3	2
204	A Computational Study of the Dynamical Evolution of Self-Gravitating Systems. Journal of Computational Physics, 1993, 104, 75-85.	3.8	0
205	On the Possibility of a Higher Baryonic Contribution to Dark Matter. , 1988, , 592-592.		0
206	Cosmological models in Barker's theory of gravitation. Physical Review D, 1986, 34, 3584-3591.	4.7	6
207	Bayesian redshift-space distortions correction from galaxy redshift surveys. Monthly Notices of the Royal Astronomical Society: Letters, 0, , .	3.0	9
208	The Clustering of Galaxies in the Completed SDSS-III Baryon Oscillation Spectroscopic Survey: Cosmic Flows and Cosmic Web from Luminous Red Galaxies. Monthly Notices of the Royal Astronomical Society, 0, , stx178.	4.4	13
209	Cosmological numerical simulations: past, present and future. , 0, , .		0