The Dependence of Halo Clustering on Halo Formation History, Concentration, and Occupation

DOI: 10.1086/507120
Astrophysical Journal, 2006, 652, 71-84.

#	Paper	IF	Citations
399	Accurate Realizations of the Ionized Gas in Galaxy Clusters: Calibrating Feedback. *Astrophysical Journal*, **2007**, 663, 139-149	4.7	29
398	The Nonlinear Matter Power Spectrum. *Astrophysical Journal*, **2007**, 665, 887-898	4.7	39
397	What Aspects of Galaxy Environment Matter?. *Astrophysical Journal*, **2007**, 664, 791-803	4.7	140
396	Evolution of Characteristic Quantities for Dark Matter Halo Density Profiles. *Astrophysical Journal*, **2007**, 657, 56-70	4.7	33
395	MaxBCG: A Red-Sequence Galaxy Cluster Finder. *Astrophysical Journal*, **2007**, 660, 221-238	4.7	192
394	Environmental Effects of Dark Matter Halos: The Clustering-Substructure Relation of Group-Size Halos. *Astrophysical Journal*, **2007**, 666, L5-L8	4.7	7
393	The Clustering of Massive Halos. *Astrophysical Journal*, **2007**, 656, 139-147	4.7	79
392	The Dependence of Dark Halo Clustering on Formation Epoch and Concentration Parameter. *Astrophysical Journal*, **2007**, 657, 664-668	4.7	133
391	The Dependence of the Mass Assembly History of Cold Dark Matter Halos on Environment. *Astrophysical Journal*, **2007**, 654, 53-65	4.7	89
390	On the Luminosity Dependence of the Galaxy Pairwise Velocity Dispersion. *Astrophysical Journal*, **2007**, 659, 877-889	4.7	50
389	The XMM-Newton Wide-Field Survey in the COSMOS Field: Statistical Properties of Clusters of Galaxies. **2007**, 172, 182-195		224
388	Galaxy Evolution from Halo Occupation Distribution Modeling of DEEP2 and SDSS Galaxy Clustering. *Astrophysical Journal*, **2007**, 667, 760-779	4.7	394
387	The Mean and Scatter of the Velocity Dispersion□Optical Richness Relation for maxBCG Galaxy Clusters. *Astrophysical Journal*, **2007**, 669, 905-928	4.7	100
386	How well can (renormalized) perturbation theory predict dark matter clustering properties?. *Physical Review D*, **2007**, 75,	4.9	16
385	Photometric redshift requirements for self-calibration of cluster dark energy studies. *Physical Review D*, **2007**, 76,	4.9	43
384	Environmental dependence of cold dark matter halo formation. *Monthly Notices of the Royal Astronomical Society*, **2007**, 375, 633-639	4.3	86
383	The spin and shape of dark matter haloes in the Millennium simulation of a □cold dark matter universe. *Monthly Notices of the Royal Astronomical Society*, **2007**, 376, 215-232	4.3	345

382	An improved model for the formation times of dark matter haloes. *Monthly Notices of the Royal Astronomical Society*, **2007**, 376, 977-983	4.3	67
381	Why does the clustering of haloes depend on their formation history?. *Monthly Notices of the Royal Astronomical Society*, **2007**, 377, 234-244	4.3	32
380	Concentration, spin and shape of dark matter haloes: scatter and the dependence on mass and environment. *Monthly Notices of the Royal Astronomical Society*, **2007**, 378, 55-71	4.3	420
379	Strong clustering of underdense regions and the environmental dependence of clustering from Gaussian initial conditions. *Monthly Notices of the Royal Astronomical Society*, **2007**, 378, 641-648	4.3	40
378	The age dependence of galaxy clustering. *Monthly Notices of the Royal Astronomical Society*, **2007**, 378, 777-784	4.3	21
377	Statistical analysis of galaxy surveys - III. The non-linear clustering of red and blue galaxies in the 2dFGRS. *Monthly Notices of the Royal Astronomical Society*, **2007**, 379, 1562-1570	4.3	23
376	The evolution of dark matter halo properties in clusters, filaments, sheets and voids. *Monthly Notices of the Royal Astronomical Society*, **2007**, 381, 41-51	4.3	199
375	The statistics of □CDM halo concentrations. *Monthly Notices of the Royal Astronomical Society*, **2007**, 381, 1450-1462	4.3	561
374	Halo assembly bias in the quasi-linear regime. *Monthly Notices of the Royal Astronomical Society*, **2007**, 382, 1853-1858	4.3	18
373	The detectability of baryonic acoustic oscillations in future galaxy surveys. *Monthly Notices of the Royal Astronomical Society*, **2007**, 383, 755-776	4.3	145
372	Assembly bias in the clustering of dark matter haloes. **2007**, 377, L5-L9		249
371	The LX□M relation of clusters of galaxies. **2008**, 387, L28-L32		86
370	Dark matter halo concentrations in theWilkinson Microwave Anisotropy Probeyear 5 cosmology. **2008**, 390, L64-L68		665
369	A non-parametric model for linking galaxy luminosity with halo/subhalo mass: are brightest cluster galaxies special?. *Monthly Notices of the Royal Astronomical Society*, **2008**, 383, 355-368	4.3	30
368	The fossil phase in the life of a galaxy group. *Monthly Notices of the Royal Astronomical Society*, **2008**, 386, 2345-2352	4.3	67
367	The redshift dependence of the structure of massive □old dark matter haloes. *Monthly Notices of the Royal Astronomical Society*, **2008**, 387, 536-544	4.3	363
366	The assembly bias of dark matter haloes to higher orders. *Monthly Notices of the Royal Astronomical Society*, **2008**, 387, 921-932	4.3	69
365	Environmental dependence in the ellipsoidal collapse model. *Monthly Notices of the Royal Astronomical Society*, **2008**, 388, 638-658	4.3	75

364	On halo formation times and assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2008**, 389, 1419-1426	4.3	111
363	Constraints on the correlation between QSO luminosity and host halo mass from high-redshift quasar clustering. *Monthly Notices of the Royal Astronomical Society*, **2008**, 390, 1179-1184	4.3	54
362	Improved optical mass tracer for galaxy clusters calibrated using weak lensing measurements. *Monthly Notices of the Royal Astronomical Society*, **2008**, 390, 1157-1169	4.3	40
361	Self-calibration of tomographic weak lensing for the physics of baryons to constrain dark energy. *Physical Review D*, **2008**, 77,	4.9	69
360	A Cosmological Framework for the Co-evolution of Quasars, Supermassive Black Holes, and Elliptical Galaxies. I. Galaxy Mergers and Quasar Activity. **2008**, 175, 356-389		958
359	Necessity of dark matter in modified Newtonian dynamics within galactic scales. **2008**, 100, 031302		30
358	Environmental Effects on Real-Space and Redshift-Space Galaxy Clustering. *Astrophysical Journal*, **2008**, 686, 41-52	4.7	34
357	Close Pairs as Proxies for Galaxy Cluster Mergers. *Astrophysical Journal*, **2008**, 683, 1-11	4.7	12
356	Void Statistics in Large Galaxy Redshift Surveys: Does Halo Occupation of Field Galaxies Depend on Environment?. *Astrophysical Journal*, **2008**, 686, 53-71	4.7	82
355	Passive Evolution of Galaxy Clustering. *Astrophysical Journal*, **2008**, 681, 998-1016	4.7	15
354	Comparison of Cluster Lensing Profiles with □CDM Predictions. *Astrophysical Journal*, **2008**, 685, L9-L12	4.7	125
353	Combining Lens Distortion and Depletion to Map the Mass Distribution of A1689. *Astrophysical Journal*, **2008**, 684, 177-203	4.7	118
352	Measuring the Mean and Scatter of the X-Ray Luminosity□Optical Richness Relation for maxBCG Galaxy Clusters. *Astrophysical Journal*, **2008**, 675, 1106-1124	4.7	62
351	On The Halo Occupation of Dark Baryons. *Astrophysical Journal*, **2008**, 679, 1218-1231	4.7	58
350	Modeling the Galaxy Three-Point Correlation Function. *Astrophysical Journal*, **2008**, 672, 849-860	4.7	44
349	Transformation of Morphology and Luminosity Classes of the SDSS Galaxies. *Astrophysical Journal*, **2008**, 674, 784-796	4.7	60
348	Effects of Baryons and Dissipation on the Matter Power Spectrum. *Astrophysical Journal*, **2008**, 672, 19-32	4.7	299
347	The Impact of Halo Properties, Energy Feedback, and Projection Effects on the Mass-SZ Flux Relation. *Astrophysical Journal*, **2008**, 686, 206-218	4.7	41

346	Structure Formation in the Expanding Universe: Dark and Bright Sides. **2008**, 64-91		
345	Full calculation of clumpiness boost factors for antimatter cosmic rays in the light of ${Lambda}$CDM□N-body simulation results. *Astronomy and Astrophysics*, **2008**, 479, 427-452	5.1	110
344	Halo Assembly Bias in Hierarchical Structure Formation. *Astrophysical Journal*, **2008**, 687, 12-21	4.7	179
343	THE ASSEMBLY OF GALAXY CLUSTERS. *Astrophysical Journal*, **2009**, 690, 1292-1302	4.7	111
342	STRUCTURE AND HISTORY OF DARK MATTER HALOS PROBED WITH GRAVITATIONAL LENSING. *Astrophysical Journal*, **2009**, 695, L125-L129	4.7	20
341	QUASAR CLUSTERING FROM SDSS DR5: DEPENDENCES ON PHYSICAL PROPERTIES. *Astrophysical Journal*, **2009**, 697, 1656-1673	4.7	171
340	MAPPING THE DARK MATTER FROM UV LIGHT AT HIGH REDSHIFT: AN EMPIRICAL APPROACH TO UNDERSTAND GALAXY STATISTICS. *Astrophysical Journal*, **2009**, 695, 368-390	4.7	78
339	GAS-RICH MERGERS IN LCDM: DISK SURVIVABILITY AND THE BARYONIC ASSEMBLY OF GALAXIES. *Astrophysical Journal*, **2009**, 702, 307-317	4.7	94
338	GALAXY MERGERS AND DARK MATTER HALO MERGERS IN □CDM: MASS, REDSHIFT, AND MASS-RATIO DEPENDENCE. *Astrophysical Journal*, **2009**, 702, 1005-1015	4.7	97
337	CONNECTING REIONIZATION TO THE LOCAL UNIVERSE. *Astrophysical Journal*, **2009**, 703, L167-L171	4.7	52
336	SUPERMASSIVE BLACK HOLES IN THE HIERARCHICAL UNIVERSE: A GENERAL FRAMEWORK AND OBSERVATIONAL TESTS. *Astrophysical Journal*, **2009**, 704, 89-108	4.7	81
335	CONNECTING GALAXIES, HALOS, AND STAR FORMATION RATES ACROSS COSMIC TIME. *Astrophysical Journal*, **2009**, 696, 620-635	4.7	383
334	THE SPIN AND ORIENTATION OF DARK MATTER HALOS WITHIN COSMIC FILAMENTS. *Astrophysical Journal*, **2009**, 706, 747-761	4.7	124
333	Cosmology: small-scale issues. **2009**, 11, 105029		37
332	Clustering of dark matter tracers: generalizing bias for the coming era of precision LSS. *Journal of Cosmology and Astroparticle Physics*, **2009**, 2009, 020-020	6.4	216
331	Cosmology: Small Scale Issues. **2009**,		4
330	Probing Structure and History of Dark Matter Halos with Gravitational Lensing Observations. **2009**, 194, 91-95		
329	A halo model of galaxy colours and clustering in the Sloan Digital Sky Survey. *Monthly Notices of the Royal Astronomical Society*, **2009**, 392, 1080-1091	4.3	141

328	Reconstructing the cosmic density field with the distribution of dark matter haloes. *Monthly Notices of the Royal Astronomical Society*, **2009**, 394, 398-414	4.3	57
327	The clustering of the first galaxy haloes. *Monthly Notices of the Royal Astronomical Society*, **2009**, 394, 624-632	4.3	22
326	Environmental dependence of dark matter halo growth - I. Halo merger rates. *Monthly Notices of the Royal Astronomical Society*, **2009**, 394, 1825-1840	4.3	89
325	The clustering and host haloes of galaxy mergers at high redshift. *Monthly Notices of the Royal Astronomical Society*, **2009**, 394, 2182-2190	4.3	23
324	The influence of halo assembly on galaxies and galaxy groups. *Monthly Notices of the Royal Astronomical Society*, **2009**, 394, 2229-2237	4.3	22
323	Evidence for merger-driven activity in the clustering of high-redshift quasars. *Monthly Notices of the Royal Astronomical Society*, **2009**, 395, 1607-1619	4.3	16
322	Halo stochasticity in global clustering analysis. *Monthly Notices of the Royal Astronomical Society*, **2009**, 396, 1610-1618	4.3	23
321	The distribution of ejected subhaloes and its implication for halo assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2009**, 396, 2249-2256	4.3	50
320	Resolving cosmic structure formation with the Millennium-II Simulation. *Monthly Notices of the Royal Astronomical Society*, **2009**, 398, 1150-1164	4.3	670
319	Tidal effects and the environment dependence of halo assembly. *Monthly Notices of the Royal Astronomical Society*, **2009**, 398, 1742-1756	4.3	115
318	Breaking halo occupation degeneracies with marked statistics. *Monthly Notices of the Royal Astronomical Society*, **2009**, 395, 2381-2384	4.3	26
317	The demography of supermassive black holes: Growing monsters at the heart of galaxies. **2009**, 53, 57-77		79
316	DISSIPATION AND EXTRA LIGHT IN GALACTIC NUCLEI. IV. EVOLUTION IN THE SCALING RELATIONS OF SPHEROIDS. *Astrophysical Journal*, **2009**, 691, 1424-1458	4.7	203
315	THE VOID PHENOMENON EXPLAINED. *Astrophysical Journal*, **2009**, 691, 633-639	4.7	72
314	COLLAPSE BARRIERS AND HALO ABUNDANCE: TESTING THE EXCURSION SET ANSATZ. *Astrophysical Journal*, **2009**, 696, 636-652	4.7	76
313	DARK MATTER HALO MERGERS: DEPENDENCE ON ENVIRONMENT. *Astrophysical Journal*, **2010**, 715, 342-354	4.7	9
312	ANNEALING A FOLLOW-UP PROGRAM: IMPROVEMENT OF THE DARK ENERGY FIGURE OF MERIT FOR OPTICAL GALAXY CLUSTER SURVEYS. *Astrophysical Journal*, **2010**, 713, 1207-1218	4.7	27
311	ASSEMBLY BIAS AND THE DYNAMICAL STRUCTURE OF DARK MATTER HALOS. *Astrophysical Journal*, **2010**, 708, 469-473	4.7	89

310	INTERPRETING THE CLUSTERING OF DISTANT RED GALAXIES. *Astrophysical Journal*, **2010**, 709, 67-76	4.7	43
309	MERGERS IN ΛCDM: UNCERTAINTIES IN THEORETICAL PREDICTIONS AND INTERPRETATIONS OF THE MERGER RATE. *Astrophysical Journal*, **2010**, 724, 915-945	4.7	161
308	THE LARGE-SCALE BIAS OF DARK MATTER HALOS: NUMERICAL CALIBRATION AND MODEL TESTS. *Astrophysical Journal*, **2010**, 724, 878-886	4.7	578
307	THE IMPACT OF INHOMOGENEOUS REIONIZATION ON THE SATELLITE GALAXY POPULATION OF THE MILKY WAY. *Astrophysical Journal*, **2010**, 710, 408-420	4.7	88
306	Application of Weighted Correlation Functions to Semi-analytic Models and SDSS Data. **2010**, 34, 255-264		
305	The impact of environment on the dynamical structure of satellite systems. *Monthly Notices of the Royal Astronomical Society*, **2010**, 408, 1113-1119	4.3	10
304	Ram pressure stripping in a galaxy formation model - I. A novel numerical approach. *Monthly Notices of the Royal Astronomical Society*, **2010**, 408, 2008-2021	4.3	57
303	Local and global environmental effects on galaxies and active galactic nuclei. *Monthly Notices of the Royal Astronomical Society*, **2010**, 409, 936-952	4.3	22
302	The birth and growth of neutralino haloes. *Monthly Notices of the Royal Astronomical Society*, **2010**, 401, 1796-1803	4.3	47
301	Dark matter halo growth - II. Diffuse accretion and its environmental dependence. *Monthly Notices of the Royal Astronomical Society*, **2010**, 401, 2245-2256	4.3	76
300	On merger bias and the clustering of quasars. *Monthly Notices of the Royal Astronomical Society*, **2010**,	4.3	7
299	Probing dark energy with future redshift surveys: a comparison of emission line and broad-band selection in the near-infrared. *Monthly Notices of the Royal Astronomical Society*, **2010**, no-no	4.3	21
298	The central dark matter content of early-type galaxies: scaling relations and connections with star formation histories. *Monthly Notices of the Royal Astronomical Society*, **2010**, no-no	4.3	29
297	Spin and structural halo properties at high redshift in a Λcold dark matter universe. *Monthly Notices of the Royal Astronomical Society*, **2010**, 407, 691-703	4.3	14
296	STELLAR POPULATIONS OF ELLIPTICAL GALAXIES IN THE LOCAL UNIVERSE. *Astrophysical Journal*, **2010**, 722, 491-519	4.7	46
295	Non-Gaussian halo assembly bias. *Journal of Cosmology and Astroparticle Physics*, **2010**, 2010, 013-013	6.4	27
294	WHAT SETS THE SIZES OF THE FAINTEST GALAXIES?. *Astrophysical Journal*, **2011**, 743, 179	4.7	35
293	SMALL-SCALE STRUCTURE IN THE SLOAN DIGITAL SKY SURVEY AND ΛCDM: ISOLATED ~L*GALAXIES WITH BRIGHT SATELLITES. *Astrophysical Journal*, **2011**, 738, 102	4.7	103

292	COSMIC VOIDS: STRUCTURE, DYNAMICS AND GALAXIES. **2011**, 01, 41-66		54
291	A GRAND DESIGN FOR GALAXY CLUSTERS: CONNECTIONS AND PREDICTIONS. *Astrophysical Journal*, **2011**, 742, 19	4.7	18
290	RADIATIVE TRANSFER MODELING OF Ly EMITTERS. II. NEW EFFECTS ON GALAXY CLUSTERING. *Astrophysical Journal*, **2011**, 726, 38	4.7	59
289	HOW COMMON ARE THE MAGELLANIC CLOUDS?. *Astrophysical Journal*, **2011**, 733, 62	4.7	105
288	COUNTS-IN-CYLINDERS IN THE SLOAN DIGITAL SKY SURVEY WITH COMPARISONS TON-BODY SIMULATIONS. *Astrophysical Journal*, **2011**, 726, 1	4.7	17
287	THE EFFECTS OF HALO-TO-HALO VARIATION ON SUBSTRUCTURE LENSING. *Astrophysical Journal*, **2011**, 741, 117	4.7	22
286	The nature of assembly bias - I. Clues from a CDM cosmology. *Monthly Notices of the Royal Astronomical Society*, **2011**, no-no	4.3	12
285	The Dawn of the Red: star formation histories of group galaxies over the past 5 billion years. *Monthly Notices of the Royal Astronomical Society*, **2011**, 413, 996-1012	4.3	121
284	The peaks formalism and the formation of cold dark matter haloes. *Monthly Notices of the Royal Astronomical Society*, **2011**, 413, 1961-1972	4.3	57
283	Internal properties and environments of dark matter haloes. *Monthly Notices of the Royal Astronomical Society*, **2011**, 413, 1973-1990	4.3	79
282	Linking haloes to galaxies: how many halo properties are needed?. *Monthly Notices of the Royal Astronomical Society*, **2011**, 414, 1405-1417	4.3	26
281	Properties of dark matter haloes and their correlations: the lesson from principal component analysis. *Monthly Notices of the Royal Astronomical Society*, **2011**, 416, 2388-2400	4.3	39
280	The correlation structure of dark matter halo properties. **2011**, 415, L69-L73		37
279	Dark Matter Halos: The Dynamical Basis of Effective Empirical Models. **2011**, 2011, 1-8		2
278	Dark Matter Halos from the Inside Out. **2011**, 2011, 1-17		7
277	Dark matter halo occupation: environment and clustering. *Monthly Notices of the Royal Astronomical Society*, **2012**, 425, 2766-2777	4.3	16
276	THE CORRELATED FORMATION HISTORIES OF MASSIVE GALAXIES AND THEIR DARK MATTER HALOS. *Astrophysical Journal Letters*, **2012**, 755, L5	7.9	31
275	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERING AND THE MASS-TO-NUMBER RATIO OF GALAXY CLUSTERS. *Astrophysical Journal*, **2012**, 745, 16	4.7	96

274	WHAT DO DARK MATTER HALO PROPERTIES TELL US ABOUT THEIR MASS ASSEMBLY HISTORIES?. *Astrophysical Journal*, **2012**, 757, 102	4.7	24
273	Close galaxy pairs atz= 3: a challenge to UV luminosity abundance matching. *Monthly Notices of the Royal Astronomical Society*, **2012**, 426, 1647-1662	4.3	7
272	CLASH: PRECISE NEW CONSTRAINTS ON THE MASS PROFILE OF THE GALAXY CLUSTER A2261. *Astrophysical Journal*, **2012**, 757, 22	4.7	89
271	Dark matter and cosmic structure. **2012**, 524, 507-534		233
270	Disentangling cosmic-ray and dark-matter induced□rays in galaxy clusters. *Astronomy and Astrophysics*, **2012**, 547, A16	5.1	7
269	Triumphs and tribulations of □CDM, the double dark theory. **2012**, 524, 535-544		14
268	Merger-induced scatter and bias in the cluster mass-Sunyaev-Zel□ovich effect scaling relation. *Monthly Notices of the Royal Astronomical Society*, **2012**, 419, 1766-1779	4.3	36
267	Disentangling galaxy environment and host halo mass. *Monthly Notices of the Royal Astronomical Society*, **2012**, 419, 2133-2146	4.3	86
266	Galaxy formation in semi-analytic models and cosmological hydrodynamic zoom simulations. *Monthly Notices of the Royal Astronomical Society*, **2012**, 419, 3200-3222	4.3	67
265	Reconstructing the cosmic velocity and tidal fields with galaxy groups selected from the Sloan Digital Sky Survey. *Monthly Notices of the Royal Astronomical Society*, **2012**, 420, 1809-1824	4.3	61
264	The effects of halo alignment and shape on the clustering of galaxies. *Monthly Notices of the Royal Astronomical Society*, **2012**, 424, 2954-2960	4.3	21
263	□rays from annihilating dark matter in galaxy clusters: stacking versus single source analysis. *Monthly Notices of the Royal Astronomical Society*, **2012**, 425, 477-489	4.3	24
262	Galactic Archaeology: The dwarfs that survived and perished. **2013**, 57, 100-121		70
261	Multiplicity functions of dark matter haloes from fractional Brownian motion. **2013**, 343, 755-761		1
260	THE CONNECTION BETWEEN GALAXIES AND DARK MATTER STRUCTURES IN THE LOCAL UNIVERSE. *Astrophysical Journal*, **2013**, 771, 30	4.7	266
259	Measures of galaxy environment □I. Rank-ordered mark correlations. *Monthly Notices of the Royal Astronomical Society*, **2013**, 429, 458-468	4.3	19
258	Merging tree algorithm of growing voids in self-similar and CDM models. *Monthly Notices of the Royal Astronomical Society*, **2013**, 436, 3525-3546	4.3	5
257	Assembly bias of dwarf-sized dark matter haloes. *Monthly Notices of the Royal Astronomical Society*, **2013**, 435, 3592-3599	4.3	10

256	Cosmological constraints from a combination of galaxy clustering and lensing . Theoretical framework. *Monthly Notices of the Royal Astronomical Society*, **2013**, 430, 725-746	4.3	136
255	The dependence of galaxy properties on the large-scale tidal environment. *Monthly Notices of the Royal Astronomical Society*, **2013**, 430, 3432-3444	4.3	25
254	DARK MATTER HALO PROFILES OF MASSIVE CLUSTERS: THEORY VERSUS OBSERVATIONS. *Astrophysical Journal*, **2013**, 766, 32	4.7	157
253	A FIRST LOOK AT CREATING MOCK CATALOGS WITH MACHINE LEARNING TECHNIQUES. *Astrophysical Journal*, **2013**, 772, 147	4.7	18
252	RHAPSODY. II. SUBHALO PROPERTIES AND THE IMPACT OF TIDAL STRIPPING FROM A STATISTICAL SAMPLE OF CLUSTER-SIZE HALOS. *Astrophysical Journal*, **2013**, 767, 23	4.7	34
251	STELLAR MASS-GAP AS A PROBE OF HALO ASSEMBLY HISTORY AND CONCENTRATION: YOUTH HIDDEN AMONG OLD FOSSILS. *Astrophysical Journal*, **2013**, 777, 154	4.7	22
250	Modelling colour-dependent galaxy clustering in cosmological simulations. *Monthly Notices of the Royal Astronomical Society*, **2013**, 436, 2286-2300	4.3	30
249	Groups of two galaxies in SDSS: implications of colours on star formation quenching time-scales. *Monthly Notices of the Royal Astronomical Society*, **2013**, 436, 635-649	4.3	10
248	CANDELS OBSERVATIONS OF THE ENVIRONMENTAL DEPENDENCE OF THE COLOR-MASS-MORPHOLOGY RELATION ATz= 1.6. *Astrophysical Journal*, **2013**, 770, 58	4.7	52
247	The MultiDark Database: Release of the Bolshoi and MultiDark cosmological simulations. **2013**, 334, 691-708		121
246	RHAPSODY. I. STRUCTURAL PROPERTIES AND FORMATION HISTORY FROM A STATISTICAL SAMPLE OF RE-SIMULATED CLUSTER-SIZE HALOS. *Astrophysical Journal*, **2013**, 763, 70	4.7	41
245	THE DISTRIBUTION OF SATELLITES AROUND MASSIVE GALAXIES AT 1 . *Astrophysical Journal*, **2014**, 792, 103	4.7	22
244	DARK-MATTER HALO ASSEMBLY BIAS: ENVIRONMENTAL DEPENDENCE IN THE NON-MARKOVIAN EXCURSION-SET THEORY. *Astrophysical Journal*, **2014**, 782, 44	4.7	4
243	The large-scale distribution of cool gas around luminous red galaxies. *Monthly Notices of the Royal Astronomical Society*, **2014**, 439, 3139-3155	4.3	63
242	The impact of baryonic processes on the two-point correlation functions of galaxies, subhaloes and matter. *Monthly Notices of the Royal Astronomical Society*, **2014**, 440, 2997-3010	4.3	68
241	Galaxy assembly bias: a significant source of systematic error in the galaxy–halo relationship. *Monthly Notices of the Royal Astronomical Society*, **2014**, 443, 3044-3067	4.3	145
240	The nature of assembly bias . III. Observational properties. *Monthly Notices of the Royal Astronomical Society*, **2014**, 443, 3107-3117	4.3	33
239	Galaxy formation on the largest scales: the impact of astrophysics on the baryonic acoustic oscillation peak. *Monthly Notices of the Royal Astronomical Society*, **2014**, 442, 2131-2144	4.3	28

238	zCOSMOS 20k: satellite galaxies are the main drivers of environmental effects in the galaxy population at least to z ~ 0.7. *Monthly Notices of the Royal Astronomical Society*, **2014**, 438, 717-738	4.3	70
237	Constraining the mass-concentration relation through weak lensing peak function. *Journal of Cosmology and Astroparticle Physics*, **2014**, 2014, 063-063	6.4	3
236	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERING AND THE MASS-TO-NUMBER RATIO OF GALAXY CLUSTERS: MARGINALIZING OVER THE PHYSICS OF GALAXY FORMATION. *Astrophysical Journal*, **2014**, 783, 118	4.7	23
235	EFFECTS OF LARGE-SCALE ENVIRONMENT ON THE ASSEMBLY HISTORY OF CENTRAL GALAXIES. *Astrophysical Journal*, **2014**, 794, 74	4.7	23
234	Resolving the problem of galaxy clustering on small scales: any new physics needed?. *Monthly Notices of the Royal Astronomical Society*, **2014**, 437, 3385-3395	4.3	9
233	The Local Void: for or against □CDM?. *Monthly Notices of the Royal Astronomical Society*, **2014**, 441, 933-938	4.3	10
232	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: modelling of the luminosity and colour dependence in the Data Release 10. *Monthly Notices of the Royal Astronomical Society*, **2014**, 441, 2398-2413	4.3	66
231	Are the halo occupation predictions consistent with large-scale galaxy clustering?. *Monthly Notices of the Royal Astronomical Society*, **2014**, 442, 1930-1941	4.3	20
230	Massive black hole seeds born via direct gas collapse in galaxy mergers: their properties, statistics and environment. *Monthly Notices of the Royal Astronomical Society*, **2014**, 437, 1576-1592	4.3	44
229	The Dwarfs Beyond: Relating Stellar and Halo Mass in Dwarf Galaxies to z ~ 1. **2014**, 10, 150-153		
228	THE SPLASHBACK RADIUS AS A PHYSICAL HALO BOUNDARY AND THE GROWTH OF HALO MASS. *Astrophysical Journal*, **2015**, 810, 36	4.7	169
227	DO NOT FORGET THE FOREST FOR THE TREES: THE STELLAR-MASS HALO-MASS RELATION IN DIFFERENT ENVIRONMENTS. *Astrophysical Journal*, **2015**, 812, 104	4.7	17
226	THE DEPENDENCE OF SUBHALO ABUNDANCE ON HALO CONCENTRATION. *Astrophysical Journal*, **2015**, 810, 21	4.7	70
225	Predicting galaxy star formation rates via the co-evolution of galaxies and haloes. *Monthly Notices of the Royal Astronomical Society*, **2015**, 446, 651-662	4.3	40
224	Assembly bias & redshift□pace distortions: impact on cluster dynamics tests of general relativity. **2015**, 451, L45-L49		15
223	Beyond halo mass: galactic conformity as a smoking gun of central galaxy assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2015**, 452, 1958-1969	4.3	76
222	Correlating galaxy colour and halo concentration: a tunable halo model of galactic conformity. *Monthly Notices of the Royal Astronomical Society*, **2015**, 454, 3030-3048	4.3	49
221	An algorithm to build mock galaxy catalogues using MICE simulations. *Monthly Notices of the Royal Astronomical Society*, **2015**, 447, 646-670	4.3	84

220	DWARF GALAXY ANNIHILATION AND DECAY EMISSION PROFILES FOR DARK MATTER EXPERIMENTS. *Astrophysical Journal*, **2015**, 801, 74	4.7	139
219	Giant disc galaxies: where environment trumps mass in galaxy evolution. *Monthly Notices of the Royal Astronomical Society*, **2015**, 448, 1767-1778	4.3	16
218	FLOW PATTERNS AROUND DARK MATTER HALOS: THE LINK BETWEEN HALO DYNAMICAL PROPERTIES AND LARGE-SCALE TIDAL FIELD. *Astrophysical Journal*, **2015**, 807, 37	4.7	28
217	Inverse Hubble flows in molecular clouds. *Monthly Notices of the Royal Astronomical Society*, **2015**, 446, 3725-3730	4.3	3
216	Mapping stellar content to dark matter haloes using galaxy clustering and galaxy–galaxy lensing in the SDSS DR7. *Monthly Notices of the Royal Astronomical Society*, **2015**, 454, 1161-1191	4.3	117
215	The Tully–Fisher and mass–size relations from halo abundance matching. *Monthly Notices of the Royal Astronomical Society*, **2015**, 454, 322-343	4.3	48
214	ALIGNMENTS OF DARK MATTER HALOS WITH LARGE-SCALE TIDAL FIELDS: MASS AND REDSHIFT DEPENDENCE. *Astrophysical Journal*, **2016**, 825, 49	4.7	9
213	Tidal stripping as a test of satellite quenching in redMaPPer clusters. *Monthly Notices of the Royal Astronomical Society*, **2016**, 463, 1907-1915	4.3	7
212	Intrinsic alignments in redMaPPer clusters – I. Central galaxy alignments and angular segregation of satellites. *Monthly Notices of the Royal Astronomical Society*, **2016**, 463, 222-244	4.3	26
211	Introducing decorated HODs: modelling assembly bias in the galaxy–halo connection. *Monthly Notices of the Royal Astronomical Society*, **2016**, 460, 2552-2570	4.3	89
210	Modelling galaxy clustering: halo occupation distribution versus subhalo matching. *Monthly Notices of the Royal Astronomical Society*, **2016**, 459, 3040-3058	4.3	61
209	Mapping stellar content to dark matter haloes – II. Halo mass is the main driver of galaxy quenching. *Monthly Notices of the Royal Astronomical Society*, **2016**, 457, 4360-4383	4.3	86
208	Is main-sequence galaxy star formation controlled by halo mass accretion?. *Monthly Notices of the Royal Astronomical Society*, **2016**, 455, 2592-2606	4.3	64
207	Halo and subhalo demographics with Planck cosmological parameters: Bolshoi–Planck and MultiDark–Planck simulations. *Monthly Notices of the Royal Astronomical Society*, **2016**, 462, 893-916	4.3	128
206	Squeezing down the Theory Space for Cosmic Inflation. **2016**, 9,		
205	Separate universe consistency relation and calibration of halo bias. *Physical Review D*, **2016**, 93,	4.9	36
204	Towards a self-consistent halo model for the nonlinear large-scale structure. *Physical Review D*, **2016**, 93,	4.9	32
203	Evidence of Halo Assembly Bias in Massive Clusters. **2016**, 116, 041301		84

202	RETURN TO [Log-]NORMALCY: RETHINKING QUENCHING, THE STAR FORMATION MAIN SEQUENCE, AND PERHAPS MUCH MORE. *Astrophysical Journal*, **2016**, 832, 7	4.7	51
201	THE CONNECTION BETWEEN THE HOST HALO AND THE SATELLITE GALAXIES OF THE MILKY WAY. *Astrophysical Journal*, **2016**, 830, 59	4.7	18
200	Constraining the mass–richness relationship of redMaPPer clusters with angular clustering. *Monthly Notices of the Royal Astronomical Society*, **2016**, 463, 205-221	4.3	25
199	On the physical origin of galactic conformity. *Monthly Notices of the Royal Astronomical Society*, **2016**, 461, 2135-2145	4.3	41
198	Weak lensing by galaxy troughs in DES Science Verification data. *Monthly Notices of the Royal Astronomical Society*, **2016**, 455, 3367-3380	4.3	56
197	Subhalo abundance matching and assembly bias in the EAGLE simulation. *Monthly Notices of the Royal Astronomical Society*, **2016**, 460, 3100-3118	4.3	93
196	Accurate and efficient halo-based galaxy clustering modelling with simulations. *Monthly Notices of the Royal Astronomical Society*, **2016**, 458, 4015-4024	4.3	36
195	Disentangling redshift-space distortions and non-linear bias using the 2D power spectrum. *Monthly Notices of the Royal Astronomical Society*, **2016**, 457, 1076-1088	4.3	13
194	Connecting massive galaxies to dark matter haloes in BOSS I. Is galaxy colour a stochastic process in high-mass haloes?. *Monthly Notices of the Royal Astronomical Society*, **2016**, 460, 1457-1475	4.3	56
193	The scale-dependence of halo assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2016**, 458, 1510-1516	4.3	40
192	STATISTICAL DECOUPLING OF A LAGRANGIAN FLUID PARCEL IN NEWTONIAN COSMOLOGY. *Astrophysical Journal*, **2016**, 820, 30	4.7	2
191	Modelling galactic conformity with the colour–halo age relation in the Illustris simulation. *Monthly Notices of the Royal Astronomical Society*, **2016**, 455, 185-198	4.3	31
190	Environmental dependence of the H i mass function in the ALFALFA 70% catalogue. *Monthly Notices of the Royal Astronomical Society*, **2016**, 457, 4393-4405	4.3	25
189	The formation of massive, quiescent galaxies at cosmic noon. **2016**, 458, L14-L18		61
188	Precision measurement of the local bias of dark matter halos. *Journal of Cosmology and Astroparticle Physics*, **2016**, 2016, 018-018	6.4	99
187	ON DETECTING HALO ASSEMBLY BIAS WITH GALAXY POPULATIONS. *Astrophysical Journal*, **2016**, 819, 119	4.7	78
186	Log-normal Star Formation Histories in Simulated and Observed Galaxies. *Astrophysical Journal*, **2017**, 839, 26	4.7	39
185	Lensing is low: cosmology, galaxy formation or new physics?. *Monthly Notices of the Royal Astronomical Society*, **2017**, 467, 3024-3047	4.3	101

184	Halo assembly bias from Separate Universe simulations. *Monthly Notices of the Royal Astronomical Society*, **2017**, 468, 2984-2999	4.3	18
183	Using galaxy pairs to investigate the three-point correlation function in the squeezed limit. *Monthly Notices of the Royal Astronomical Society*, **2017**, 472, 577-590	4.3	9
182	THE CONCENTRATION DEPENDENCE OF THE GALAXY□HALO CONNECTION: MODELING ASSEMBLY BIAS WITH ABUNDANCE MATCHING. *Astrophysical Journal*, **2017**, 834, 37	4.7	75
181	Cross-correlation of galaxies and galaxy clusters in the Sloan Digital Sky Survey and the importance of non-Poissonian shot noise. *Monthly Notices of the Royal Astronomical Society*, **2017**, 470, 2566-2577	4.3	16
180	Weak lensing measurement of the mass□richness relation of SDSS redMaPPer clusters. *Monthly Notices of the Royal Astronomical Society*, **2017**, 466, 3103-3118	4.3	100
179	Analytical halo model of galactic conformity. *Monthly Notices of the Royal Astronomical Society*, **2017**, 470, 1298-1313	4.3	11
178	Assembly bias and splashback in galaxy clusters. *Monthly Notices of the Royal Astronomical Society*, **2017**, 470, 4767-4781	4.3	58
177	Testing galaxy quenching theories with scatter in the stellar-to-halo mass relation. *Monthly Notices of the Royal Astronomical Society*, **2017**, 467, 3533-3541	4.3	12
176	Constraining the H i□Halo Mass Relation from Galaxy Clustering. *Astrophysical Journal*, **2017**, 846, 61	4.7	35
175	The Hydrangea simulations: galaxy formation in and around massive clusters. *Monthly Notices of the Royal Astronomical Society*, **2017**, 470, 4186-4208	4.3	114
174	Testing the Large-scale Environments of Cool-core and Non-cool-core Clusters with Clustering Bias. *Astrophysical Journal*, **2017**, 836, 54	4.7	4
173	Halo histories versus Galaxy properties at z□=□0 □. The quenching of star formation. *Monthly Notices of the Royal Astronomical Society*, **2017**, 472, 2504-2516	4.3	26
172	The immitigable nature of assembly bias: the impact of halo definition on assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2017**, 472, 1088-1105	4.3	30
171	Statistics of dark matter substructure □II. Halo-to-halo variance. *Monthly Notices of the Royal Astronomical Society*, **2017**, 472, 657-674	4.3	37
170	Galaxy and Mass Assembly (GAMA): halo formation times and halo assembly bias on the cosmic web. *Monthly Notices of the Royal Astronomical Society*, **2017**, 470, 3720-3741	4.3	32
169	Properties of dark matter haloes as a function of local environment density. *Monthly Notices of the Royal Astronomical Society*, **2017**, 466, 3834-3858	4.3	34
168	ZOMG □. How the cosmic web inhibits halo growth and generates assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2017**, 469, 594-611	4.3	52
167	The Overdense Environments of WISE-Selected, Ultra-Luminous, High-Redshift AGN in the Submillimeter. **2017**, 4,		

166	A KiDS weak lensing analysis of assembly bias in GAMA galaxy groups. *Monthly Notices of the Royal Astronomical Society*, **2017**, 468, 3251-3265	4.3	31
165	PRIMUS: ONE- AND TWO-HALO GALACTIC CONFORMITY AT 0.2 . *Astrophysical Journal*, **2017**, 834, 87	4.7	25
164	Large-scale assembly bias of dark matter halos. *Journal of Cosmology and Astroparticle Physics*, **2017** , 2017, 059-059	6.4	32
163	ZOMG II. Does the halo assembly history influence central galaxies and gas accretion?. *Monthly Notices of the Royal Astronomical Society*, **2017**, 469, 1809-1823	4.3	18
162	On the level of cluster assembly bias in SDSS. *Monthly Notices of the Royal Astronomical Society*, **2017**, 470, 551-560	4.3	65
161	The frequency of very young galaxies in the local Universe: I. A test for galaxy formation and cosmological models. *Monthly Notices of the Royal Astronomical Society*, **2018**, 477, 1427-1450	4.3	12
160	Spatial clustering of dark matter haloes: secondary bias, neighbour bias, and the influence of massive neighbours on halo properties. *Monthly Notices of the Royal Astronomical Society*, **2018**, 475, 4411-4423	4.3	43
159	First results from the IllustrisTNG simulations: matter and galaxy clustering. *Monthly Notices of the Royal Astronomical Society*, **2018**, 475, 676-698	4.3	545
158	Must Star-forming Galaxies Rapidly Get Denser before They Quench?. *Astrophysical Journal*, **2018**, 858, 40	4.7	11
157	Large-scale galaxy bias. **2018**, 733, 1-193		300
156	ELUCID. IV. Galaxy Quenching and its Relation to Halo Mass, Environment, and Assembly Bias. *Astrophysical Journal*, **2018**, 852, 31	4.7	37
155	Exploring the squeezed three-point galaxy correlation function with generalized halo occupation distribution models. *Monthly Notices of the Royal Astronomical Society*, **2018**, 478, 2019-2033	4.3	26
154	Halo occupation distribution (HOD) modelling of high redshift galaxies using the BlueTides simulation. *Monthly Notices of the Royal Astronomical Society*, **2018**, 480, 3177-3192	4.3	9
153	Halo histories versus galaxy properties at z 0 II: large-scale galactic conformity. *Monthly Notices of the Royal Astronomical Society*, **2018**, 477, 935-945	4.3	28
152	The impact of assembly bias on the halo occupation in hydrodynamical simulations. *Monthly Notices of the Royal Astronomical Society*, **2018**, 480, 3978-3992	4.3	46
151	Weak-lensing peaks in simulated light cones: investigating the coupling between dark matter and dark energy. *Monthly Notices of the Royal Astronomical Society*, **2018**, 478, 5436-5448	4.3	14
150	Approximations to galaxy star formation rate histories: properties and uses of two examples. *Monthly Notices of the Royal Astronomical Society*, **2018**, 478, 2291-2314	4.3	5
149	The galaxy clustering crisis in abundance matching. *Monthly Notices of the Royal Astronomical Society*, **2018**, 477, 359-383	4.3	34

148	Small- and large-scale galactic conformity in SDSS DR7. *Monthly Notices of the Royal Astronomical Society*, **2018**, 480, 2031-2045	4.3	15
147	How does the cosmic web impact assembly bias?. *Monthly Notices of the Royal Astronomical Society*, **2018**, 476, 4877-4906	4.3	44
146	Group quenching and galactic conformity at low redshift. *Monthly Notices of the Royal Astronomical Society*, **2018**, 477, 2684-2704	4.3	12
145	Some assembly required: assembly bias in massive dark matter halos. *Journal of Cosmology and Astroparticle Physics*, **2018**, 2018, 012-012	6.4	14
144	The effects of assembly bias on the inference of matter clustering from galaxy–galaxy lensing and galaxy clustering. *Monthly Notices of the Royal Astronomical Society*, **2018**, 477, 4348-4361	4.3	18
143	Ingredients for 21 cm Intensity Mapping. *Astrophysical Journal*, **2018**, 866, 135	4.7	88
142	The conditional colour–magnitude distribution – I. A comprehensive model of the colour–magnitude–halo mass distribution of present-day galaxies. *Monthly Notices of the Royal Astronomical Society*, **2018**, 481, 5470-5500	4.3	16
141	Halo histories versus galaxy properties at z = 0 – III. The properties of star-forming galaxies. *Monthly Notices of the Royal Astronomical Society*, **2018**, 478, 4487-4499	4.3	7
140	Dependence on the environment of the abundance function of light-cone simulation dark matter haloes. *Astronomy and Astrophysics*, **2018**, 616, A137	5.1	3
139	The dependence of galaxy clustering on tidal environment in the Sloan Digital Sky Survey. *Monthly Notices of the Royal Astronomical Society*, **2018**, 476, 5442-5452	4.3	21
138	Halo assembly bias and the tidal anisotropy of the local halo environment. *Monthly Notices of the Royal Astronomical Society*, **2018**, 476, 3631-3647	4.3	49
137	Galaxy–Galaxy Weak-lensing Measurements from SDSS. II. Host Halo Properties of Galaxy Groups. *Astrophysical Journal*, **2018**, 862, 4	4.7	15
136	Probing galaxy assembly bias with LRG weak lensing observations. **2018**, 477, L1-L5		15
135	Beyond assembly bias: exploring secondary halo biases for cluster-size haloes. *Monthly Notices of the Royal Astronomical Society*, **2018**, 474, 5143-5157	4.3	62
134	The impact of galaxy formation on satellite kinematics and redshift-space distortions. *Monthly Notices of the Royal Astronomical Society*, **2018**, 475, 2530-2544	4.3	17
133	COSMOS2015 photometric redshifts probe the impact of filaments on galaxy properties. *Monthly Notices of the Royal Astronomical Society*, **2018**, 474, 5437-5458	4.3	68
132	Galactic conformity measured in semi-analytic models. *Monthly Notices of the Royal Astronomical Society*, **2018**, 475, 1177-1189	4.3	12
131	Does the galaxy–halo connection vary with environment?. *Monthly Notices of the Royal Astronomical Society*, **2018**, 476, 741-758	4.3	17

130	The Impact of Assembly Bias on the Galaxy Content of Dark Matter Halos. *Astrophysical Journal*, **2018**, 853, 84	4.7	64
129	The Connection Between Galaxies and Their Dark Matter Halos. **2018**, 56, 435-487		289
128	Gravitational lensing detection of an extremely dense environment around a galaxy cluster. **2018**, 2, 744-750		10
127	Cosmic web type dependence of halo clustering. *Monthly Notices of the Royal Astronomical Society*, **2018**, 473, 3941-3948	4.3	3
126	Mapping stellar content to dark matter haloes III. Environmental dependence and conformity of galaxy colours. *Monthly Notices of the Royal Astronomical Society*, **2018**, 476, 1637-1653	4.3	24
125	Interpreting the cosmic far-infrared background anisotropies using a gas regulator model. *Monthly Notices of the Royal Astronomical Society*, **2018**, 475, 3974-3995	4.3	3
124	Probing Galaxy assembly bias in BOSS galaxies using void probabilities. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 470-479	4.3	20
123	Global analysis of luminosity- and colour-dependent galaxy clustering in the Sloan Digital Sky Survey. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 1220-1234	4.3	3
122	New perspectives on the BOSS small-scale lensing discrepancy for the Planck ΛCDM cosmology. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 5771-5787	4.3	20
121	Revealing the galaxy–halo connection in IllustrisTNG. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 5693-5711	4.3	27
120	Cosmological Evidence Modelling: a new simulation-based approach to constrain cosmology on non-linear scales. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 1870-1878	4.3	12
119	On the measurements of assembly bias and splashback radius using optically selected galaxy clusters. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 4945-4955	4.3	18
118	The Fundamental Relation between Halo Mass and Galaxy Group Properties. *Astrophysical Journal*, **2019**, 881, 74	4.7	8
117	Clustering constraints on the relative sizes of central and satellite galaxies. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 1805-1819	4.3	7
116	On the Assembly Bias of Cool Core Clusters Traced by H Nebulae. *Astrophysical Journal*, **2019**, 882, 166	4.7	0
115	The Pseudo-evolution of Galaxy-cluster Masses and Its Connection to Mass Density Profile. *Astrophysical Journal*, **2019**, 883, 36	4.7	
114	Extensions to the halo occupation distribution model for more accurate clustering predictions. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 3532-3544	4.3	13
113	Basilisk: Bayesian hierarchical inference of the galaxy–halo connection using satellite kinematics I. Method and validation. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 4984-5013	4.3	4

112	How to optimally constrain galaxy assembly bias: supplement projected correlation functions with count-in-cells statistics. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 3541-3567	4.3	15
111	Cosmic web anisotropy is the primary indicator of halo assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 2977-2996	4.3	34
110	The distribution of dark matter in galaxies. **2019**, 27, 1		68
109	The effect of assembly bias on redshift-space distortions. *Monthly Notices of the Royal Astronomical Society*, **2019**, 486, 582-595	4.3	12
108	Lighting Up Dark Matter Haloes. **2019**, 7, 56		2
107	Updated results on the galaxy–halo connection from satellite kinematics in SDSS. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 3112-3129	4.3	22
106	The dependence of halo bias on age, concentration, and spin. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 1570-1579	4.3	17
105	The Aemulus Project. III. Emulation of the Galaxy Correlation Function. *Astrophysical Journal*, **2019**, 874, 95	4.7	48
104	The secondary spin bias of dark matter haloes. *Monthly Notices of the Royal Astronomical Society*, **2019**, 486, 1156-1166	4.3	20
103	The Next Generation Virgo Cluster Survey. XXIII. Fundamentals of Nuclear Star Clusters over Seven Decades in Galaxy Mass. *Astrophysical Journal*, **2019**, 878, 18	4.7	50
102	SDSS-IV MaNGA: signatures of halo assembly in kinematically misaligned galaxies. *Monthly Notices of the Royal Astronomical Society*, **2019**, 483, 172-188	4.3	8
101	How Are Galaxies Assigned to Halos? Searching for Assembly Bias in the SDSS Galaxy Clustering. *Astrophysical Journal*, **2019**, 872, 115	4.7	19
100	The Aemulus Project. I. Numerical Simulations for Precision Cosmology. *Astrophysical Journal*, **2019**, 875, 69	4.7	52
99	The Galaxy–Halo Connection in Low-mass Halos. *Astrophysical Journal Letters*, **2019**, 871, L21	7.9	9
98	The multidimensional dependence of halo bias in the eye of a machine: a tale of halo structure, assembly, and environment. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 1900-1919	4.3	26
97	Constraints on assembly bias from galaxy clustering. *Monthly Notices of the Royal Astronomical Society*, **2019**, 485, 1196-1209	4.3	37
96	Sensitivity of dark matter haloes to their accretion histories. *Monthly Notices of the Royal Astronomical Society*, **2019**, 485, 1906-1915	4.3	11
95	The evolution of assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2019**, 484, 1133-1148	4.3	32

94	How Do Galaxies Trace a Large-scale Structure? A Case Study around a Massive Protocluster at Z = 3.13. *Astrophysical Journal*, **2019**, 879, 9	4.7	16
93	Screened fifth forces in parity-breaking correlation functions. *Physical Review D*, **2019**, 100,	4.9	3
92	Emulating galaxy clustering and galaxy–galaxy lensing into the deeply non-linear regime: methodology, information, and forecasts. *Monthly Notices of the Royal Astronomical Society*, **2019**, 484, 989-1006	4.3	29
91	The manifestation of secondary bias on the galaxy population from IllustrisTNG300. *Monthly Notices of the Royal Astronomical Society*, **2020**, 496, 1182-1196	4.3	15
90	Voronoi volume function: a new probe of cosmology and galaxy evolution. *Monthly Notices of the Royal Astronomical Society*, **2020**, 495, 3233-3251	4.3	14
89	Validating a minimal galaxy bias method for cosmological parameter inference using HSC-SDSS mock catalogs. *Physical Review D*, **2020**, 102,	4.9	8
88	Cosmological information content in redshift-space power spectrum of SDSS-like galaxies in the quasinonlinear regime up to k=0.3 h Mpc−1. *Physical Review D*, **2020**, 101,	4.9	12
87	Can assembly bias explain the lensing amplitude of the BOSS CMASS sample in a Planck cosmology?. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 5551-5564	4.3	10
86	Illuminating dark matter halo density profiles without subhaloes. *Monthly Notices of the Royal Astronomical Society*, **2020**, 499, 2426-2444	4.3	4
85	Limitations to the ‘basic’ HOD model and beyond. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 5506-5519	4.3	32
84	The Tessellation-Level-Tree: characterizing the nested hierarchy of density peaks and their spatial distribution in cosmological N-body simulations. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 5693-5712	4.3	3
83	The GOGREEN survey: the environmental dependence of the star-forming galaxy main sequence at 1.0 < z < 1.5. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 5987-6000	4.3	28
82	Concentrations of dark haloes emerge from their merger histories. *Monthly Notices of the Royal Astronomical Society*, **2020**, 498, 4450-4464	4.3	16
81	The three causes of low-mass assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 4763-4782	4.3	23
80	Direct Measurement of the H i-halo Mass Relation through Stacking. *Astrophysical Journal*, **2020**, 894, 92	4.7	13
79	The impact of projection effects on cluster observables: stacked lensing and projected clustering. *Monthly Notices of the Royal Astronomical Society*, **2020**, 496, 4468-4487	4.3	17
78	LARgE Survey – II. The dark matter haloes and the progenitors and descendants of ultramassive passive galaxies at cosmic noon. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 804-818	4.3	3
77	Cosmology with stacked cluster weak lensing and cluster–galaxy cross-correlations. *Monthly Notices of the Royal Astronomical Society*, **2020**, 491, 3061-3081	4.3	17

76	corrfunc – a suite of blazing fast correlation functions on the CPU. *Monthly Notices of the Royal Astronomical Society*, **2020**, 491, 3022-3041	4.3	43
75	Testing the accuracy of halo occupation distribution modelling using hydrodynamic simulations. *Monthly Notices of the Royal Astronomical Society*, **2020**, 491, 5771-5788	4.3	16
74	Clustering with JWST: Constraining galaxy host halo masses, satellite quenching efficiencies, and merger rates at z = 4–10. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 1178-1196	4.3	9
73	Evidence for galaxy assembly bias in BOSS CMASS redshift-space galaxy correlation function. *Monthly Notices of the Royal Astronomical Society*, **2021**, 502, 3582-3598	4.3	16
72	Dissecting and modelling galaxy assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2021**, 502, 3242-3263	4.3	19
71	Mock halo catalogues: assigning unresolved halo properties using correlations with local halo environment. *Monthly Notices of the Royal Astronomical Society*, **2021**, 503, 2053-2064	4.3	5
70	How to empirically model star formation in dark matter haloes – I. Inferences about central galaxies from numerical simulations. *Monthly Notices of the Royal Astronomical Society*, **2021**, 504, 4865-4884	4.3	3
69	On the kinetic Sunyaev–Zel'dovich effect as an observational probe for halo spin bias. *Monthly Notices of the Royal Astronomical Society*, **2021**, 504, 4568-4582	4.3	3
68	Accelerated Galaxy Growth and Environmental Quenching in a Protocluster at z = 3.24. *Astrophysical Journal*, **2021**, 911, 46	4.7	3
67	Constraining M with the bispectrum. Part II. The information content of the galaxy bispectrum monopole. *Journal of Cosmology and Astroparticle Physics*, **2021**, 2021, 029	6.4	18
66	A flexible modelling of galaxy assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2021**, 504, 5205-5220	4.3	10
65	Responses of Halo Occupation Distributions: a new ingredient in the halo model & the impact on galaxy bias. *Journal of Cosmology and Astroparticle Physics*, **2021**, 2021, 069	6.4	7
64	The morphology of star-forming gas and its alignment with galaxies and dark matter haloes in the EAGLE simulations. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 65-87	4.3	2
63	The galaxy size–halo mass scaling relations and clustering properties of central and satellite galaxies. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 3192-3205	4.3	4
62	The cosmology dependence of galaxy clustering and lensing from a hybrid N-body–perturbation theory model. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 1422-1440	4.3	21
61	Rosella: a mock catalogue from the P-Millennium simulation. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 325-338	4.3	3
60	Linear bias and halo occupation distribution of emission-line galaxies from Nancy Grace Roman Space Telescope. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 2784-2800	4.3	1
59	Probing the galaxy–halo connection with total satellite luminosity. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 5370-5388	4.3	5

58	The Last Journey. II. SMACCSubhalo Mass-loss Analysis Using Core Catalogs. *Astrophysical Journal*, **2021**, 913, 109	4.7	1
57	HInet: Generating Neutral Hydrogen from Dark Matter with Neural Networks. *Astrophysical Journal*, **2021**, 916, 42	4.7	3
56	The assembly bias of emission-line galaxies. *Monthly Notices of the Royal Astronomical Society*, **2021**, 506, 3155-3168	4.3	1
55	Evaluating the origins of the secondary bias based on the correlation of halo properties with the linear density field. *Astronomy and Astrophysics*,	5.1	0
54	The cosmological dependence of halo and galaxy assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2021**, 507, 3412-3422	4.3	2
53	On the influence of halo mass accretion history on galaxy properties and assembly bias. *Monthly Notices of the Royal Astronomical Society*, **2021**, 508, 940-949	4.3	7
52	Cluster assembly times as a cosmological test. *Monthly Notices of the Royal Astronomical Society*, **2021**, 508, 100-117	4.3	
51	Mass accretion rates and multiscale halo environment in cold and warm dark matter cosmologies. *Monthly Notices of the Royal Astronomical Society*, **2021**, 508, 852-867	4.3	1
50	Detecting Neutrino Mass by Combining Matter Clustering, Halos, and Voids. *Astrophysical Journal*, **2021**, 919, 24	4.7	8
49	Fundamental Properties of the Dark and the Luminous Matter from the Low Surface Brightness Discs. *Universe*, **2021**, 7, 344	2.5	0
48	Hefty enhancement of cosmological constraints from the DES Y1 data using a hybrid effective field theory approach to galaxy bias. *Journal of Cosmology and Astroparticle Physics*, **2021**, 2021, 020	6.4	8
47	Predicting halo occupation and galaxy assembly bias with machine learning. *Monthly Notices of the Royal Astronomical Society*, **2021**, 507, 4879-4899	4.3	3
46	Connections between galaxy properties and halo formation time in the cosmic web. *Monthly Notices of the Royal Astronomical Society*, **2021**, 507, 5320-5330	4.3	3
45	Void Galaxies Follow a Distinct Evolutionary Path in the Environmental COntext Catalog. *Astrophysical Journal*, **2021**, 906, 97	4.7	2
44	Building merger trees from cosmologicalN-body simulations. *Astronomy and Astrophysics*, **2009**, 506, 647-660	5.1	156
43	Gamma rays from annihilations at the galactic center in a physical dark matter distribution. *Astronomy and Astrophysics*, **2010**, 510, A90	5.1	2
42	The Co-Formation of Spheroids and Quasars Traced in their Clustering. *Astrophysical Journal*, **2007**, 662, 110-130	4.7	85
41	Isolating Triggered Star Formation. *Astrophysical Journal*, **2007**, 671, 1538-1549	4.7	70

40	Merger Histories of Galaxy Halos and Implications for Disk Survival. *Astrophysical Journal*, **2008**, 683, 597-610	4.7	187
39	The Clustering of SDSS Galaxy Groups: Mass and Color Dependence. *Astrophysical Journal*, **2008**, 687, 919-935	4.7	55
38	The Effects of Halo Assembly Bias on Self-Calibration in Galaxy Cluster Surveys. *Astrophysical Journal*, **2008**, 688, 729-741	4.7	27
37	Detection of anisotropic galaxy assembly bias in BOSS DR12. *Journal of Cosmology and Astroparticle Physics*, **2020**, 2020, 058-058	6.4	19
36	Separate Universe calibration of the dependence of halo bias on cosmic web anisotropy. *Monthly Notices of the Royal Astronomical Society*, **2020**, 499, 4418-4431	4.3	7
35	The physical origins of low-mass spin bias. *Monthly Notices of the Royal Astronomical Society*, **2020**, 500, 2777-2785	4.3	7
34	DETECTION OF THE SPLASHBACK RADIUS AND HALO ASSEMBLY BIAS OF MASSIVE GALAXY CLUSTERS. *Astrophysical Journal*, **2016**, 825, 39	4.7	103
33	Main-sequence Scatter is Real: The Joint Dependence of Galaxy Clustering on Star Formation and Stellar Mass. *Astronomical Journal*, **2021**, 161, 49	4.9	5
32	PRIMUS: Clustering of Star-forming and Quiescent Central Galaxies at 0.2 Astrophysical Journal, **2019**, 884, 76	4.7	4
31	On the Prospect of Using the Maximum Circular Velocity of Halos to Encapsulate Assembly Bias in the Galaxy–Halo Connection. *Astrophysical Journal*, **2019**, 887, 17	4.7	13
30	A Hybrid Deep Learning Approach to Cosmological Constraints from Galaxy Redshift Surveys. *Astrophysical Journal*, **2020**, 889, 151	4.7	14
29	Relating the Structure of Dark Matter Halos to Their Assembly and Environment. *Astrophysical Journal*, **2020**, 899, 81	4.7	11
28	The Binary–Host Connection: Astrophysics of Gravitational-Wave Binaries from Host Galaxy Properties. *Astrophysical Journal*, **2020**, 905, 21	4.7	7
27	OUP accepted manuscript. *Monthly Notices of the Royal Astronomical Society*,	4.3	3
26	Assembly bias in quadratic bias parameters of dark matter halos from forward modeling. *Journal of Cosmology and Astroparticle Physics*, **2021**, 2021, 063	6.4	3
25	Observational measures of halo properties beyond mass. *Monthly Notices of the Royal Astronomical Society*,	4.3	3
24	Towards a universal model for the density profiles of dark matter haloes. *Monthly Notices of the Royal Astronomical Society*,	4.3	0
23	Spatial and Kinematic Clustering of Stars in the Galactic Disk. *Astrophysical Journal*, **2021**, 922, 49	4.7	1

22	Exploiting non-linear scales in galaxy–galaxy lensing and galaxy clustering: A forecast for the dark energy survey. *Monthly Notices of the Royal Astronomical Society*, **2022**, 510, 5376-5391	4.3	1
21	Toward Accurate Modeling of Galaxy Clustering on Small Scales: Constraining the Galaxy-halo Connection with Optimal Statistics. *Astrophysical Journal*, **2022**, 926, 15	4.7	1
20	On the origin of red spirals: does assembly bias play a role?. *Journal of Cosmology and Astroparticle Physics*, **2022**, 2022, 024	6.4	0
19	Beyond mass: Detecting secondary halo properties with galaxy-galaxy lensing. *Monthly Notices of the Royal Astronomical Society*,	4.3	1
18	Full-shape cosmology analysis of the SDSS-III BOSS galaxy power spectrum using an emulator-based halo model: A 5% determination of $f\sigma_8$. *Physical Review D*, **2022**, 105,	4.9	2
17	Priors on red galaxy stochasticity from hybrid effective field theory. *Monthly Notices of the Royal Astronomical Society*,	4.3	2
16	SDSS-IV MaNGA: How the Stellar Populations of Passive Central Galaxies Depend on Stellar and Halo Mass. *Astrophysical Journal*, **2022**, 933, 88	4.7	0
15	The halo model with beyond-linear halo bias: unbiasing cosmological constraints from galaxy–galaxy lensing and clustering. **2022**, 515, 2612-2623		1
14	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: measurement of the growth rate of structure from the small-scale clustering of the luminous red galaxy sample.		2
13	A pair of early- and late-forming galaxy cluster samples: A novel way of studying halo assembly bias assisted by a constrained simulation.		0
12	Evidence of galaxy assembly bias in SDSS DR7 galaxy samples from count statistics. **2022**, 516, 4003-4024		0
11	The phenomenology of the external field effect in cold dark matter models. **2022**, 517, 130-139		0
10	Elucidating galaxy assembly bias in SDSS. **2022**, 65,		0
9	Properties beyond mass for unresolved haloes across redshift and cosmology using correlations with local halo environment. **2022**, 516, 5849-5862		0
8	Cosmological inference from an emulator based halo model. I. Validation tests with HSC and SDSS mock catalogs. **2022**, 106,		1
7	Consistent lensing and clustering in a low-S8 Universe with BOSS, DES Year 3, HSC Year 1 and KiDS-1000.		2
6	Modeling Redshift-space Clustering with Abundance Matching. **2022**, 940, 13		0
5	Assembly bias in the local PNG halo bias and its implication for f NL constraints. **2023**, 2023, 023		0

4	Astraeus VII: the environmental-dependent assembly of galaxies in the Epoch of Reionization. **2023**, 519, 4564-4580	0
3	The quasi-adiabatic relaxation of haloes in the IllustrisTNG and EAGLE cosmological simulations.	0
2	Constraints on S8 from a full-scale and full-shape analysis of redshift-space clustering and galaxy–galaxy lensing in BOSS. **2023**, 520, 5373-5393	0
1	SimBIG: mock challenge for a forward modeling approach to galaxy clustering. **2023**, 2023, 010	0