

Idit Zehavi

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

44,520
citations

12330

69
h-index

24982

109
g-index

110
all docs

110
docs citations

110
times ranked

12316
citing authors

#	ARTICLE	IF	CITATIONS
1	Smearing scale in Laguerre reconstructions of the correlation function. <i>Physical Review D</i> , 2022, 105, .	4.7	3
2	Dissecting and modelling galaxy assembly bias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3242-3263.	4.4	43
3	The assembly bias of emission-line galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3155-3168.	4.4	7
4	Laguerre reconstruction of the correlation function on baryon acoustic oscillation scales. <i>Physical Review D</i> , 2021, 104, .	4.7	9
5	Laguerre reconstruction of the BAO feature in halo-based mock galaxy catalogues. <i>Physical Review D</i> , 2021, 104, .	4.7	4
6	Predicting halo occupation and galaxy assembly bias with machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 4879-4899.	4.4	16
7	Linear point and sound horizon as purely geometric standard rulers. <i>Physical Review D</i> , 2020, 101, .	4.7	11
8	Cosmic distance inference from purely geometric BAO methods: Linear point standard ruler and correlation function model fitting. <i>Physical Review D</i> , 2019, 99, .	4.7	18
9	Extensions to the halo occupation distribution model for more accurate clustering predictions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 3532-3544.	4.4	20
10	The evolution of assembly bias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 1133-1148.	4.4	45
11	On the Prospect of Using the Maximum Circular Velocity of Halos to Encapsulate Assembly Bias in the Galaxyâ€“Halo Connection. <i>Astrophysical Journal</i> , 2019, 887, 17.	4.5	19
12	The impact of assembly bias on the halo occupation in hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3978-3992.	4.4	74
13	The conditional colourâ€“magnitude distribution â€“ I. A comprehensive model of the colourâ€“magnitudeâ€“halo mass distribution of present-day galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5470-5500.	4.4	24
14	The Impact of Assembly Bias on the Galaxy Content of Dark Matter Halos. <i>Astrophysical Journal</i> , 2018, 853, 84.	4.5	92
15	Galaxy Correlation Functions Provide a More Robust Cosmological Standard Ruler. <i>Physical Review Letters</i> , 2018, 121, 021302.	7.8	19
16	Linear point standard ruler for galaxy survey data: Validation with mock catalogs. <i>Physical Review D</i> , 2018, 98, .	4.7	17
17	The Correlation between Halo Mass and Stellar Mass for the Most Massive Galaxies in the Universe. <i>Astrophysical Journal</i> , 2017, 839, 121.	4.5	48
18	Properties and Origin of Galaxy Velocity Bias in the Illustris Simulation. <i>Astrophysical Journal</i> , 2017, 841, 45.	4.5	28

#	ARTICLE	IF	CITATIONS
19	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological analysis of the DR12 galaxy sample. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2617-2652.	4.4	1,906
20	Small-scale galaxy clustering in the eagle simulation. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1771-1787.	4.4	28
21	A lightcone catalogue from the Millennium-XXL simulation. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4646-4661.	4.4	41
22	TheXMMCluster Survey: the halo occupation number of BOSS galaxies in X-ray clusters. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1929-1943.	4.4	6
23	Modelling galaxy clustering: halo occupation distribution versus subhalo matching. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3040-3058.	4.4	79
24	On the clustering of faint red galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3647-3659.	4.4	14
25	GALAXY THREE-POINT CORRELATION FUNCTIONS AND HALO/SUBHALO MODELS. Astrophysical Journal, 2016, 831, 3.	4.5	15
26	Redshift-space clustering of SDSS galaxies – luminosity dependence, halo occupation distribution, and velocity bias. Monthly Notices of the Royal Astronomical Society, 2015, 453, 4369-4384.	4.4	90
27	Cosmological implications of baryon acoustic oscillation measurements. Physical Review D, 2015, 92, .	4.7	487
28	Velocity bias from the small-scale clustering of SDSS-III BOSS galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 446, 578-594.	4.4	89
29	Modelling the redshift-space three-point correlation function in SDSS-III. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 449, L95-L99.	3.3	36
30	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measuring growth rate and geometry with anisotropic clustering. Monthly Notices of the Royal Astronomical Society, 2014, 439, 3504-3519.	4.4	238
31	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological implications of the full shape of the clustering wedges in the data release 10 and 11 galaxy samples. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2692-2713.	4.4	137
32	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the Data Releases 10 and 11 Galaxy samples. Monthly Notices of the Royal Astronomical Society, 2014, 441, 24-62.	4.4	1,168
33	THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT. Astrophysical Journal, Supplement Series, 2014, 211, 17.	7.7	820
34	The clustering of galaxies in the SDSS-III DR10 Baryon Oscillation Spectroscopic Survey: no detectable colour dependence of distance scale or growth rate measurements. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1109-1126.	4.4	50
35	The clustering of galaxies at $z \lesssim 0.5$ in the SDSS-III Data Release 9 BOSS-CMASS sample: a test for the Λ CDM cosmology. Monthly Notices of the Royal Astronomical Society, 2013, 432, 743-760.	4.4	97
36	The clustering of galaxies in the SDSS-III DR9 Baryon Oscillation Spectroscopic Survey: constraints on primordial non-Gaussianity. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1116-1127.	4.4	117

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37	THE CLUSTERING OF GALAXIES IN THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: LUMINOSITY AND COLOR DEPENDENCE AND REDSHIFT EVOLUTION. <i>Astrophysical Journal</i> , 2013, 767, 122.	4.5	77
38	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. <i>Astronomical Journal</i> , 2013, 145, 10.	4.7	1,571
39	CROSS-CORRELATION OF SDSS DR7 QUASARS AND DR10 BOSS GALAXIES: THE WEAK LUMINOSITY DEPENDENCE OF QUASAR CLUSTERING AT $0.5 < z < 0.7$. <i>Astrophysical Journal</i> , 2013, 778, 98.	4.5	88
40	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: the low-redshift sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 98-112.	4.4	93
41	THE GROWTH OF GALAXY STELLAR MASS WITHIN DARK MATTER HALOS. <i>Astrophysical Journal</i> , 2012, 746, 145.	4.5	19
42	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERING AND THE MASS-TO-NUMBER RATIO OF GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2012, 745, 16.	4.5	114
43	ACOUSTIC SCALE FROM THE ANGULAR POWER SPECTRA OF SDSS-III DR8 PHOTOMETRIC LUMINOUS GALAXIES. <i>Astrophysical Journal</i> , 2012, 761, 13.	4.5	77
44	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measurements of the growth of structure and expansion rate at $z = 0.57$ from anisotropic clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 2719-2737.	4.4	336
45	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. <i>Astrophysical Journal</i> , Supplement Series, 2012, 203, 21.	7.7	1,158
46	A NEW METHOD TO CORRECT FOR FIBER COLLISIONS IN GALAXY TWO-POINT STATISTICS. <i>Astrophysical Journal</i> , 2012, 756, 127.	4.5	89
47	Galaxy Zoo: the environmental dependence of bars and bulges in disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 1485-1502.	4.4	101
48	The progenitors of present-day massive red galaxies up to $z \approx 0.7$ - finding passive galaxies using SDSS-I/II and SDSS-III. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 136-156.	4.4	32
49	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: analysis of potential systematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 564-590.	4.4	223
50	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. <i>Astronomical Journal</i> , 2011, 142, 72.	4.7	1,700
51	THREE-POINT CORRELATION FUNCTIONS OF SDSS GALAXIES: LUMINOSITY AND COLOR DEPENDENCE IN REDSHIFT AND PROJECTED SPACE. <i>Astrophysical Journal</i> , 2011, 726, 13.	4.5	62
52	GALAXY CLUSTERING IN THE COMPLETED SDSS REDSHIFT SURVEY: THE DEPENDENCE ON COLOR AND LUMINOSITY. <i>Astrophysical Journal</i> , 2011, 736, 59.	4.5	620
53	Ameliorating systematic uncertainties in the angular clustering of galaxies: a study using the SDSS-III. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 1350-1373.	4.4	155
54	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. <i>Astrophysical Journal</i> , Supplement Series, 2011, 193, 29.	7.7	1,166

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55	Baryon acoustic oscillations in the Sloan Digital Sky Survey Data Release 7 galaxy sample. Monthly Notices of the Royal Astronomical Society, 2010, 401, 2148-2168.	4.4	1,400
56	Cosmological constraints from the clustering of the Sloan Digital Sky Survey DR7 luminous red galaxies. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	221
57	HALO OCCUPATION DISTRIBUTION MODELING OF CLUSTERING OF LUMINOUS RED GALAXIES. Astrophysical Journal, 2009, 707, 554-572.	4.5	178
58	Linear theory and velocity correlations of clusters. Monthly Notices of the Royal Astronomical Society, 2009, 394, 1459-1462.	4.4	4
59	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, Supplement Series, 2009, 182, 543-558.	7.7	4,201
60	SDSS galaxy clustering: luminosity and colour dependence and stochasticity. Monthly Notices of the Royal Astronomical Society, 2008, 385, 1635-1655.	4.4	91
61	The Sixth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2008, 175, 297-313.	7.7	1,202
62	Passive Evolution of Galaxy Clustering. Astrophysical Journal, 2008, 681, 998-1016.	4.5	17
63	Measuring the Matter Density Using Baryon Oscillations in the SDSS. Astrophysical Journal, 2007, 657, 51-55.	4.5	131
64	The Shape of the Sloan Digital Sky Survey Data Release 5 Galaxy Power Spectrum. Astrophysical Journal, 2007, 657, 645-663.	4.5	224
65	Galaxy Evolution from Halo Occupation Distribution Modeling of DEEP2 and SDSS Galaxy Clustering. Astrophysical Journal, 2007, 667, 760-779.	4.5	459
66	The Fifth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2007, 172, 634-644.	7.7	615
67	Cosmological constraints from the SDSS luminous red galaxies. Physical Review D, 2006, 74, .	4.7	1,132
68	Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. Astrophysical Journal, Supplement Series, 2006, 167, 1-25.	7.7	311
69	A Spectroscopic Survey of Faint Quasars in the SDSS Deep Stripe. I. Preliminary Results from the Co-added Catalog. Astronomical Journal, 2006, 131, 2788-2800.	4.7	64
70	Very Small Scale Clustering and Merger Rate of Luminous Red Galaxies. Astrophysical Journal, 2006, 644, 54-60.	4.5	143
71	The Scale Dependence of Relative Galaxy Bias: Encouragement for the "Halo Model" Description. Astrophysical Journal, 2006, 645, 977-985.	4.5	79
72	The Fourth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2006, 162, 38-48.	7.7	948

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73	Broadband Optical Properties of Massive Galaxies: The Dispersion around the Field Galaxy Color-Magnitude Relation Out to $z \approx 0.4$. <i>Astronomical Journal</i> , 2006, 131, 736-746.	4.7	32
74	The Intermediate-Scale Clustering of Luminous Red Galaxies. <i>Astrophysical Journal</i> , 2005, 621, 22-31.	4.5	179
75	Cosmology and the Halo Occupation Distribution from Small-Scale Galaxy Clustering in the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2005, 625, 613-620.	4.5	86
76	New York University Value-Added Galaxy Catalog: A Galaxy Catalog Based on New Public Surveys. <i>Astronomical Journal</i> , 2005, 129, 2562-2578.	4.7	989
77	The Luminosity and Color Dependence of the Galaxy Correlation Function. <i>Astrophysical Journal</i> , 2005, 630, 1-27.	4.5	653
78	The Small-Scale Clustering of Luminous Red Galaxies via Cross-Correlation Techniques. <i>Astrophysical Journal</i> , 2005, 619, 178-192.	4.5	43
79	On the Mass-to-Light Ratio of Large-Scale Structure. <i>Astrophysical Journal</i> , 2005, 631, 41-58.	4.5	315
80	Detection of the Baryon Acoustic Peak in the Large-Scale Correlation Function of SDSS Luminous Red Galaxies. <i>Astrophysical Journal</i> , 2005, 633, 560-574.	4.5	3,564
81	The Third Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2005, 129, 1755-1759.	4.7	634
82	The Three-Dimensional Power Spectrum of Galaxies from the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2004, 606, 702-740.	4.5	1,426
83	Cosmological parameters from SDSS and WMAP. <i>Physical Review D</i> , 2004, 69, .	4.7	3,121
84	On Departures from a Power Law in the Galaxy Correlation Function. <i>Astrophysical Journal</i> , 2004, 608, 16-24.	4.5	253
85	Sloan Digital Sky Survey Imaging of Low Galactic Latitude Fields: Technical Summary and Data Release. <i>Astronomical Journal</i> , 2004, 128, 2577-2592.	4.7	73
86	The Second Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2004, 128, 502-512.	4.7	953
87	The Galaxy-Mass Correlation Function Measured from Weak Lensing in the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2004, 127, 2544-2564.	4.7	247
88	Cosmological Parameters from Eigenmode Analysis of Sloan Digital Sky Survey Galaxy Redshifts. <i>Astrophysical Journal</i> , 2004, 607, 655-660.	4.5	211
89	Identification and quantification of disease-related gene clusters. <i>Bioinformatics</i> , 2003, 19, 1781-1786.	4.1	15
90	The First Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2003, 126, 2081-2086.	4.7	800

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91	An Efficient Targeting Strategy for Multiobject Spectrograph Surveys: the Sloan Digital Sky Survey's Tiling Algorithm. <i>Astronomical Journal</i> , 2003, 125, 2276-2286.	4.7	513
92	Angular Clustering with Photometric Redshifts in the Sloan Digital Sky Survey: Bimodality in the Clustering Properties of Galaxies. <i>Astrophysical Journal</i> , 2003, 595, 59-70.	4.5	108
93	Karhunen's Estimation of the Power Spectrum Parameters from the Angular Distribution of Galaxies in Early Sloan Digital Sky Survey Data. <i>Astrophysical Journal</i> , 2003, 591, 1-11.	4.5	65
94	The Overdensities of Galaxy Environments as a Function of Luminosity and Color. <i>Astrophysical Journal</i> , 2003, 585, L5-L9.	4.5	264
95	Sloan Digital Sky Survey: Early Data Release. <i>Astronomical Journal</i> , 2002, 123, 485-548.	4.7	2,003
96	Spectroscopic Target Selection in the Sloan Digital Sky Survey: The Main Galaxy Sample. <i>Astronomical Journal</i> , 2002, 124, 1810-1824.	4.7	1,556
97	Analysis of Systematic Effects and Statistical Uncertainties in Angular Clustering of Galaxies from Early Sloan Digital Sky Survey Data. <i>Astrophysical Journal</i> , 2002, 579, 48-75.	4.5	209
98	The Angular Correlation Function of Galaxies from Early Sloan Digital Sky Survey Data. <i>Astrophysical Journal</i> , 2002, 579, 42-47.	4.5	77
99	The Angular Power Spectrum of Galaxies from Early Sloan Digital Sky Survey Data. <i>Astrophysical Journal</i> , 2002, 571, 191-205.	4.5	74
100	Galaxy Clustering in Early Sloan Digital Sky Survey Redshift Data. <i>Astrophysical Journal</i> , 2002, 571, 172-190.	4.5	520
101	The Three-dimensional Power Spectrum from Angular Clustering of Galaxies in Early Sloan Digital Sky Survey Data. <i>Astrophysical Journal</i> , 2002, 572, 140-156.	4.5	118
102	Correlation Analysis of SFI Peculiar Velocities. <i>Astronomical Journal</i> , 2000, 119, 102-110.	4.7	16
103	Evidence for a positive cosmological constant from flows of galaxies and distant supernovae. <i>Nature</i> , 1999, 401, 252-254.	27.8	63
104	Large-scale Power Spectrum and Cosmological Parameters from SFI Peculiar Velocities. <i>Astrophysical Journal</i> , 1999, 523, 1-15.	4.5	43
105	A Local Hubble Bubble from Type Ia Supernovae?. <i>Astrophysical Journal</i> , 1998, 503, 483-491.	4.5	151
106	Large-scale Power Spectrum from Peculiar Velocities via Likelihood Analysis. <i>Astrophysical Journal</i> , 1997, 486, 21-31.	4.5	56