

Idit Zehavi

List of Publications by Year in descending order

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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	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2009, 182, 543-558.	7.7	4,201
2	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
3	Cosmological parameters from SDSS and WMAP. <i>Physical Review D</i> , 2004, 69, .	4.7	3,121
4	Sloan Digital Sky Survey: Early Data Release. <i>Astronomical Journal</i> , 2002, 123, 485-548.	4.7	2,003
5	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological analysis of the DR12 galaxy sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2617-2652.	4.4	1,906
6	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
7	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. <i>Astronomical Journal</i> , 2013, 145, 10.	4.7	1,571
8	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
9	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
10	Baryon acoustic oscillations in the Sloan Digital Sky Survey Data Release 7 galaxy sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 2148-2168.	4.4	1,400
11	The Sixth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2008, 175, 297-313.	7.7	1,202
12	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the Data Releases 10 and 11 Galaxy samples. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 24-62.	4.4	1,168
13	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2011, 193, 29.	7.7	1,166
14	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 21.	7.7	1,158
15	Cosmological constraints from the SDSS luminous red galaxies. <i>Physical Review D</i> , 2006, 74, .	4.7	1,132
16	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
17	The Second Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2004, 128, 502-512.	4.7	953
18	The Fourth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2006, 162, 38-48.	7.7	948

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19	THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 17.	7.7	820
20	The First Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2003, 126, 2081-2086.	4.7	800
21	The Luminosity and Color Dependence of the Galaxy Correlation Function. <i>Astrophysical Journal</i> , 2005, 630, 1-27.	4.5	653
22	The Third Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2005, 129, 1755-1759.	4.7	634
23	GALAXY CLUSTERING IN THE COMPLETED SDSS REDSHIFT SURVEY: THE DEPENDENCE ON COLOR AND LUMINOSITY. <i>Astrophysical Journal</i> , 2011, 736, 59.	4.5	620
24	The Fifth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2007, 172, 634-644.	7.7	615
25	Galaxy Clustering in Early Sloan Digital Sky Survey Redshift Data. <i>Astrophysical Journal</i> , 2002, 571, 172-190.	4.5	520
26	An Efficient Targeting Strategy for Multiobject Spectrograph Surveys: the Sloan Digital Sky Survey ϵ -Tiling Algorithm. <i>Astronomical Journal</i> , 2003, 125, 2276-2286.	4.7	513
27	Cosmological implications of baryon acoustic oscillation measurements. <i>Physical Review D</i> , 2015, 92, .	4.7	487
28	Galaxy Evolution from Halo Occupation Distribution Modeling of DEEP2 and SDSS Galaxy Clustering. <i>Astrophysical Journal</i> , 2007, 667, 760-779.	4.5	459
29	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
30	On the Mass-to-Light Ratio of Large-Scale Structure. <i>Astrophysical Journal</i> , 2005, 631, 41-58.	4.5	315
31	Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. <i>Astrophysical Journal, Supplement Series</i> , 2006, 167, 1-25.	7.7	311
32	The Overdensities of Galaxy Environments as a Function of Luminosity and Color. <i>Astrophysical Journal</i> , 2003, 585, L5-L9.	4.5	264
33	On Departures from a Power Law in the Galaxy Correlation Function. <i>Astrophysical Journal</i> , 2004, 608, 16-24.	4.5	253
34	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
35	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measuring growth rate and geometry with anisotropic clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 3504-3519.	4.4	238
36	The Shape of the Sloan Digital Sky Survey Data Release 5 Galaxy Power Spectrum. <i>Astrophysical Journal</i> , 2007, 657, 645-663.	4.5	224

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37	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: analysis of potential systematics. Monthly Notices of the Royal Astronomical Society, 2012, 424, 564-590.	4.4	223
38	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
39	Cosmological Parameters from Eigenmode Analysis of Sloan Digital Sky Survey Galaxy Redshifts. Astrophysical Journal, 2004, 607, 655-660.	4.5	211
40	Analysis of Systematic Effects and Statistical Uncertainties in Angular Clustering of Galaxies from Early Sloan Digital Sky Survey Data. Astrophysical Journal, 2002, 579, 48-75.	4.5	209
41	The Intermediate-scale Clustering of Luminous Red Galaxies. Astrophysical Journal, 2005, 621, 22-31.	4.5	179
42	HALO OCCUPATION DISTRIBUTION MODELING OF CLUSTERING OF LUMINOUS RED GALAXIES. Astrophysical Journal, 2009, 707, 554-572.	4.5	178
43	Ameliorating systematic uncertainties in the angular clustering of galaxies: a study using the SDSS-III. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1350-1373.	4.4	155
44	A Local Hubble Bubble from Type Ia Supernovae?. Astrophysical Journal, 1998, 503, 483-491.	4.5	151
45	Very Small Scale Clustering and Merger Rate of Luminous Red Galaxies. Astrophysical Journal, 2006, 644, 54-60.	4.5	143
46	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
47	Measuring the Matter Density Using Baryon Oscillations in the SDSS. Astrophysical Journal, 2007, 657, 51-55.	4.5	131
48	The Three-dimensional Power Spectrum from Angular Clustering of Galaxies in Early Sloan Digital Sky Survey Data. Astrophysical Journal, 2002, 572, 140-156.	4.5	118
49	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
50	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERING AND THE MASS-TO-NUMBER RATIO OF GALAXY CLUSTERS. Astrophysical Journal, 2012, 745, 16.	4.5	114
51	Angular Clustering with Photometric Redshifts in the Sloan Digital Sky Survey: Bimodality in the Clustering Properties of Galaxies. Astrophysical Journal, 2003, 595, 59-70.	4.5	108
52	Galaxy Zoo: the environmental dependence of bars and bulges in disc galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1485-1502.	4.4	101
53	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
54	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: the low-redshift sample. Monthly Notices of the Royal Astronomical Society, 2013, 429, 98-112.	4.4	93

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55	The Impact of Assembly Bias on the Galaxy Content of Dark Matter Halos. <i>Astrophysical Journal</i> , 2018, 853, 84.	4.5	92
56	SDSS galaxy clustering: luminosity and colour dependence and stochasticity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 385, 1635-1655.	4.4	91
57	Redshift-space clustering of SDSS galaxies – luminosity dependence, halo occupation distribution, and velocity bias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 4369-4384.	4.4	90
58	A NEW METHOD TO CORRECT FOR FIBER COLLISIONS IN GALAXY TWO-POINT STATISTICS. <i>Astrophysical Journal</i> , 2012, 756, 127.	4.5	89
59	Velocity bias from the small-scale clustering of SDSS-III BOSS galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 578-594.	4.4	89
60	CROSS-CORRELATION OF SDSS DR7 QUASARS AND DR10 BOSS GALAXIES: THE WEAK LUMINOSITY DEPENDENCE OF QUASAR CLUSTERING AT $z < 0.5$. <i>Astrophysical Journal</i> , 2013, 778, 98.	4.5	88
61	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
62	The Scale Dependence of Relative Galaxy Bias: Encouragement for the ‘Halo Model’ Description. <i>Astrophysical Journal</i> , 2006, 645, 977-985.	4.5	79
63	Modelling galaxy clustering: halo occupation distribution versus subhalo matching. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3040-3058.	4.4	79
64	The Angular Correlation Function of Galaxies from Early Sloan Digital Sky Survey Data. <i>Astrophysical Journal</i> , 2002, 579, 42-47.	4.5	77
65	ACOUSTIC SCALE FROM THE ANGULAR POWER SPECTRA OF SDSS-III DR8 PHOTOMETRIC LUMINOUS GALAXIES. <i>Astrophysical Journal</i> , 2012, 761, 13.	4.5	77
66	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
67	The Angular Power Spectrum of Galaxies from Early Sloan Digital Sky Survey Data. <i>Astrophysical Journal</i> , 2002, 571, 191-205.	4.5	74
68	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
69	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
70	Karhunen-Löve 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
71	A Spectroscopic Survey of Faint Quasars in the SDSS Deep Stripe. I. Preliminary Results from the Co-added Catalog. <i>Astronomical Journal</i> , 2006, 131, 2788-2800.	4.7	64
72	Evidence for a positive cosmological constant from flows of galaxies and distant supernovae. <i>Nature</i> , 1999, 401, 252-254.	27.8	63

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73	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
74	Large-scale Power Spectrum from Peculiar Velocities via Likelihood Analysis. <i>Astrophysical Journal</i> , 1997, 486, 21-31.	4.5	56
75	The clustering of galaxies in the SDSS-III DR10 Baryon Oscillation Spectroscopic Survey: no detectable colour dependence of distance scale or growth rate measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 1109-1126.	4.4	50
76	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
77	The evolution of assembly bias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 1133-1148.	4.4	45
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	Dissecting and modelling galaxy assembly bias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3242-3263.	4.4	43
80	Large-scale Power Spectrum and Cosmological Parameters from SFI Peculiar Velocities. <i>Astrophysical Journal</i> , 1999, 523, 1-15.	4.5	43
81	A lightcone catalogue from the Millennium-XXL simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 4646-4661.	4.4	41
82	Modelling the redshift-space three-point correlation function in SDSS-III. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 449, L95-L99.	3.3	36
83	Broadband Optical Properties of Massive Galaxies: The Dispersion around the Field Galaxy Color-Magnitude Relation Out to $z \sim 0.4$. <i>Astronomical Journal</i> , 2006, 131, 736-746.	4.7	32
84	The progenitors of present-day massive red galaxies up to $z \sim 0.7$ - 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
85	Properties and Origin of Galaxy Velocity Bias in the Illustris Simulation. <i>Astrophysical Journal</i> , 2017, 841, 45.	4.5	28
86	Small-scale galaxy clustering in the eagle simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 1771-1787.	4.4	28
87	The conditional colour-magnitude distribution I. A comprehensive model of the colour-magnitude-halo mass distribution of present-day galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5470-5500.	4.4	24
88	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
89	THE GROWTH OF GALAXY STELLAR MASS WITHIN DARK MATTER HALOS. <i>Astrophysical Journal</i> , 2012, 746, 145.	4.5	19
90	Galaxy Correlation Functions Provide a More Robust Cosmological Standard Ruler. <i>Physical Review Letters</i> , 2018, 121, 021302.	7.8	19

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91	On the Prospect of Using the Maximum Circular Velocity of Halos to Encapsulate Assembly Bias in the Galaxy-Halo Connection. <i>Astrophysical Journal</i> , 2019, 887, 17.	4.5	19
92	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
93	Passive Evolution of Galaxy Clustering. <i>Astrophysical Journal</i> , 2008, 681, 998-1016.	4.5	17
94	Linear point standard ruler for galaxy survey data: Validation with mock catalogs. <i>Physical Review D</i> , 2018, 98, .	4.7	17
95	Correlation Analysis of SFI Peculiar Velocities. <i>Astronomical Journal</i> , 2000, 119, 102-110.	4.7	16
96	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
97	Identification and quantification of disease-related gene clusters. <i>Bioinformatics</i> , 2003, 19, 1781-1786.	4.1	15
98	GALAXY THREE-POINT CORRELATION FUNCTIONS AND HALO/SUBHALO MODELS. <i>Astrophysical Journal</i> , 2016, 831, 3.	4.5	15
99	On the clustering of faint red galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 3647-3659.	4.4	14
100	Linear point and sound horizon as purely geometric standard rulers. <i>Physical Review D</i> , 2020, 101, .	4.7	11
101	Laguerre reconstruction of the correlation function on baryon acoustic oscillation scales. <i>Physical Review D</i> , 2021, 104, .	4.7	9
102	The assembly bias of emission-line galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3155-3168.	4.4	7
103	TheXMMCluster Survey: the halo occupation number of BOSS galaxies in X-ray clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1929-1943.	4.4	6
104	Linear theory and velocity correlations of clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 394, 1459-1462.	4.4	4
105	Laguerre reconstruction of the BAO feature in halo-based mock galaxy catalogues. <i>Physical Review D</i> , 2021, 104, .	4.7	4
106	Smearing scale in Laguerre reconstructions of the correlation function. <i>Physical Review D</i> , 2022, 105, .	4.7	3