

Shirley Ho

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2906553/publications.pdf>

Version: 2024-02-01

99
papers

22,063
citations

26630

56
h-index

34986

98
g-index

100
all docs

100
docs citations

100
times ranked

10733
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the thermal Sunyaevâ€Zelâ€™dovich field using modular and equivariant set-based neural networks. Machine Learning: Science and Technology, 2022, 3, 035002.	5.0	3
2	Using the Marked Power Spectrum to Detect the Signature of Neutrinos in Large-Scale Structure. Physical Review Letters, 2021, 126, 011301.	7.8	49
3	Hlnet: Generating Neutral Hydrogen from Dark Matter with Neural Networks. Astrophysical Journal, 2021, 916, 42.	4.5	16
4	Line confusion in spectroscopic surveys and its possible effects: shifts in Baryon Acoustic Oscillations position. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4193-4201.	4.4	7
5	Gravitational-wave population inference with deep flow-based generative network. Physical Review D, 2020, 101, .	4.7	23
6	The Quijote Simulations. Astrophysical Journal, Supplement Series, 2020, 250, 2.	7.7	149
7	Learning to predict the cosmological structure formation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13825-13832.	7.1	126
8	Likelihood non-Gaussianity in large-scale structure analyses. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2956-2969.	4.4	18
9	Probing gravitational lensing of the CMB with SDSS-IV quasars. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1720-1726.	4.4	10
10	The Simons Observatory: science goals and forecasts. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 056-056.	5.4	741
11	Probing gravity with a joint analysis of galaxy and CMB lensing and SDSS spectroscopy. Monthly Notices of the Royal Astronomical Society, 2019, 482, 785-806.	4.4	27
12	Measurement of marked correlation functions in SDSS-III Baryon Oscillation Spectroscopic Survey using LOWZ galaxies in Data Release 12. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2148-2165.	4.4	13
13	Astrometry with the Wide-Field Infrared Space Telescope. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1.	1.8	28
14	The detection of the imprint of filaments on cosmic microwave background lensing. Nature Astronomy, 2018, 2, 401-406.	10.1	20
15	The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: first measurement of baryon acoustic oscillations between redshift 0.8 and 2.2. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4773-4794.	4.4	301
16	Scale-dependent galaxy bias, CMB lensing-galaxy cross-correlation, and neutrino masses. Physical Review D, 2018, 98, .	4.7	73
17	CosmoFlow: Using Deep Learning to Learn the Universe at Scale. , 2018, , .		66
18	Search for Câ€™ii emission on cosmological scales at redshift $Z \hat{A} \hat{A} 2.6$. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1911-1924.	4.4	46

#	ARTICLE	IF	CITATIONS
19	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: theoretical systematics and Baryon Acoustic Oscillations in the galaxy correlation function. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1153-1188.	4.4	60
20	The large-scale three-point correlation function of the SDSS BOSS DR12 CMASS galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1070-1083.	4.4	72
21	Testing gravity on large scales by combining weak lensing with galaxy clustering using CFHTLenS and BOSS CMASS. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4853-4865.	4.4	32
22	Relativistic distortions in the large-scale clustering of SDSS-III BOSS CMASS galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2822-2833.	4.4	29
23	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	4.7	1,100
24	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: towards a computationally efficient analysis without informative priors. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4116-4133.	4.4	16
25	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: single-probe measurements from DR12 galaxy clustering " towards an accurate model. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2370-2390.	4.4	39
26	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
27	Statistical properties of damped Lyman-alpha systems from Sloan Digital Sky Survey DR12. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2111-2122.	4.4	42
28	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: tomographic BAO analysis of DR12 combined sample in configuration space. Monthly Notices of the Royal Astronomical Society, 2017, 469, 3762-3774.	4.4	122
29	N-body simulations of gravitational redshifts and other relativistic distortions of galaxy clustering. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2345-2356.	4.4	13
30	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: on the measurement of growth rate using galaxy correlation functions. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1369-1382.	4.4	79
31	Unveiling $\langle \sigma_8 \rangle$ secrets with cosmological data: Neutrino masses and mass hierarchy. Physical Review D, 2017, 96, .	4.7	277
32	Impact of neutrino properties on the estimation of inflationary parameters from current and future observations. Physical Review D, 2017, 95, .	4.7	70
33	Detecting damped Ly α absorbers with Gaussian processes. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1850-1865.	4.4	25
34	Detection of baryon acoustic oscillation features in the large-scale three-point correlation function of SDSS BOSS DR12 CMASS galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1738-1751.	4.4	96
35	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: observational systematics and baryon acoustic oscillations in the correlation function. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1168-1191.	4.4	183
36	MAPPING THE MOST MASSIVE OVERDENSITY THROUGH HYDROGEN (MAMMOTH). I. METHODOLOGY. Astrophysical Journal, 2016, 833, 135.	4.5	66

#	ARTICLE	IF	CITATIONS
37	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: LUMINOUS RED GALAXY TARGET SELECTION. <i>Astrophysical Journal, Supplement Series</i> , 2016, 224, 34.	7.7	87
38	Cosmic web reconstruction through density ridges: catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3896-3909.	4.4	41
39	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: single-probe measurements from CMASS anisotropic galaxy clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3781-3793.	4.4	88
40	Improvement of cosmological neutrino mass bounds. <i>Physical Review D</i> , 2016, 94, .	4.7	136
41	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: RSD measurement from the LOS-dependent power spectrum of DR12 BOSS galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 4188-4209.	4.4	130
42	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: BAO measurement from the LOS-dependent power spectrum of DR12 BOSS galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 4210-4219.	4.4	140
43	Large covariance matrices: smooth models from the two-point correlation function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 2681-2694.	4.4	31
44	Constraining gravity at the largest scales through CMB lensing and galaxy velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 4098-4108.	4.4	53
45	SDSS-III Baryon Oscillation Spectroscopic Survey Data Release 12: galaxy target selection and large-scale structure catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 1553-1573.	4.4	335
46	Testing deviations from Λ CDM with growth rate measurements from six large-scale structure surveys at $z = 0.06$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 3743-3756.	4.4	38
47	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the correlation function of LOWZ and CMASS galaxies in Data Release 12. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1770-1785.	4.4	138
48	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. <i>Astronomical Journal</i> , 2016, 151, 44.	4.7	582
49	Cosmic web reconstruction through density ridges: method and algorithm. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1140-1156.	4.4	49
50	Cosmological implications of baryon acoustic oscillation measurements. <i>Physical Review D</i> , 2015, 92, .	4.7	487
51	Sloan Digital Sky Survey III photometric quasar clustering: probing the initial conditions of the Universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 040-040.	5.4	41
52	Probing gravity at large scales through CMB lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 4326-4335.	4.4	29
53	Mock Quasar-Lyman- α forest data-sets for the SDSS-III Baryon Oscillation Spectroscopic Survey. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 060-060.	5.4	24
54	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 12.	7.7	1,877

#	ARTICLE	IF	CITATIONS
55	Spectroscopic needs for imaging dark energy experiments. <i>Astroparticle Physics</i> , 2015, 63, 81-100.	4.3	66
56	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: galaxy clustering measurements in the low-redshift sample of Data Release 11. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 2222-2237.	4.4	93
57	The large-scale distribution of cool gas around luminous red galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 3139-3155.	4.4	73
58	The clustering of Galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: including covariance matrix errors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2531-2541.	4.4	189
59	The clustering of Galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: potential systematics in fitting of baryon acoustic feature. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 2-28.	4.4	22
60	Efficient reconstruction of linear baryon acoustic oscillations in galaxy surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 3152-3168.	4.4	50
61	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measuring DA and H at $z \approx 0.57$ from the baryon acoustic peak in the Data Release 9 spectroscopic Galaxy sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 83-101.	4.4	169
62	Characterizing unknown systematics in large scale structure surveys. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 007-007.	5.4	16
63	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: testing gravity with redshift space distortions using the power spectrum multipoles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 1065-1089.	4.4	248
64	Constraining the initial conditions of the Universe using large scale structure. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 038-038.	5.4	30
65	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
66	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. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 2692-2713.	4.4	137
67	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
68	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
69	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
70	The Sloan Digital Sky Survey quasar catalog: tenth data release. <i>Astronomy and Astrophysics</i> , 2014, 563, A54.	5.1	200
71	Measurement of baryon acoustic oscillations in the Lyman- α forest fluctuations in BOSS data release 9. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 026-026.	5.4	185
72	Constraining primordial non-Gaussianity with CMB ℓ - ℓ cross-correlations?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 2017-2023.	4.4	6

#	ARTICLE	IF	CITATIONS
73	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
74	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. <i>Astronomical Journal</i> , 2013, 145, 10.	4.7	1,571
75	A FIRST LOOK AT CREATING MOCK CATALOGS WITH MACHINE LEARNING TECHNIQUES. <i>Astrophysical Journal</i> , 2013, 772, 147.	4.5	23
76	THE BOSS Ly α FOREST SAMPLE FROM SDSS DATA RELEASE 9. <i>Astronomical Journal</i> , 2013, 145, 69.	4.7	68
77	Constraints on neutrino masses from Planck and Galaxy clustering data. <i>Physical Review D</i> , 2013, 88, .	4.7	47
78	The one-dimensional Ly α forest power spectrum from BOSS. <i>Astronomy and Astrophysics</i> , 2013, 559, A85.	5.1	166
79	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION FOR DATA RELEASE NINE. <i>Astrophysical Journal, Supplement Series</i> , 2012, 199, 3.	7.7	246
80	NEW NEUTRINO MASS BOUNDS FROM SDSS-III DATA RELEASE 8 PHOTOMETRIC LUMINOUS GALAXIES. <i>Astrophysical Journal</i> , 2012, 761, 12.	4.5	70
81	CLUSTERING OF SLOAN DIGITAL SKY SURVEY III PHOTOMETRIC LUMINOUS GALAXIES: THE MEASUREMENT, SYSTEMATICS, AND COSMOLOGICAL IMPLICATIONS. <i>Astrophysical Journal</i> , 2012, 761, 14.	4.5	113
82	ACOUSTIC SCALE FROM THE ANGULAR POWER SPECTRA OF SDSS-III DR8 PHOTOMETRIC LUMINOUS GALAXIES. <i>Astrophysical Journal</i> , 2012, 761, 13.	4.5	77
83	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
84	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
85	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
86	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
87	The Lyman- α forest in three dimensions: measurements of large scale flux correlations from BOSS 1st-year data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 001-001.	5.4	126
88	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
89	TENTATIVE DETECTION OF QUASAR FEEDBACK FROM WMAP AND SDSS CROSS-CORRELATION. <i>Astrophysical Journal</i> , 2010, 720, 299-305.	4.5	21
90	LUMINOUS RED GALAXY POPULATION IN CLUSTERS AT $0.2 < z < 0.6$. <i>Astrophysical Journal</i> , 2009, 697, 1358-1368.	5.1	25

#	ARTICLE	IF	CITATIONS
91	The acoustic peak in the Lyman alpha forest. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 019-019.	5.4	34
92	On the peculiar momentum of baryons after reionization. Monthly Notices of the Royal Astronomical Society, 2009, 398, 790-806.	4.4	15
93	Correlation of CMB with large-scale structure. I. Integrated Sachs-Wolfe tomography and cosmological implications. Physical Review D, 2008, 78, .	4.7	286
94	Correlation of CMB with large-scale structure. II. Weak lensing. Physical Review D, 2008, 78, .	4.7	173
95	Constraints on local primordial non-Gaussianity from large scale structure. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 031.	5.4	395
96	Cluster Ellipticities as a Cosmological Probe. Astrophysical Journal, 2006, 647, 8-12.	4.5	27
97	Cluster arc statistics. Astroparticle Physics, 2005, 24, 257-272.	4.3	16
98	Halo Asphericity and the Shear Three-Point Function. Astrophysical Journal, 2004, 607, 40-42.	4.5	11
99	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: Effect of smoothing of density field on reconstruction and anisotropic BAO analysis.. Monthly Notices of the Royal Astronomical Society, 0, , stx048.	4.4	7