# Shirley Ho

List of Publications by Year
in descending order

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|---|---|---|---|
| 99<br>papers | 22,063<br>citations | 26630<br>56<br>h-index | 34986<br>98<br>g-index |
| 100<br>all docs | 100<br>docs citations | 100<br>times ranked | 10733<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2015, 219, 12. | 7.7 | 1,877 |
| 3 | SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. Astronomical Journal, 2011, 142, 72. | 4.7 | 1,700 |
| 4 | THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. Astronomical Journal, 2013, 145, 10. | 4.7 | 1,571 |
| 5 | 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 |
| 6 | THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2011, 193, 29. | 7.7 | 1,166 |
| 7 | THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. Astrophysical Journal, Supplement Series, 2012, 203, 21. | 7.7 | 1,158 |
| 8 | Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28. | 4.7 | 1,100 |
| 9 | 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 |
| 10 | The Simons Observatory: science goals and forecasts. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 056-056. | 5.4 | 741 |
| 11 | THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. Astronomical Journal, 2016, 151, 44. | 4.7 | 582 |
| 12 | Cosmological implications of baryon acoustic oscillation measurements. Physical Review D, 2015, 92, . | 4.7 | 487 |
| 13 | Constraints on local primordial non-Gaussianity from large scale structure. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 031. | 5.4 | 395 |
| 14 | SDSS-III Baryon Oscillation Spectroscopic Survey Data Release 12: galaxy target selection and large-scale structure catalogues. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1553-1573. | 4.4 | 335 |
| 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 | Correlation of CMB with large-scale structure. I. Integrated Sachs-Wolfe tomography and cosmological implications. Physical Review D, 2008, 78, . | 4.7 | 286 |
| 17 | Unveiling <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi></mml:math> secrets with cosmological data: Neutrino masses and mass hierarchy. Physical Review D, 2017, 96, . | 4.7 | 277 |
| 18 | The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: testing gravity with redshift space distortions using the power spectrum multipoles. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1065-1089. | 4.4 | 248 |

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| 19 | THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION FOR DATA RELEASE NINE. Astrophysical Journal, Supplement Series, 2012, 199, 3. | 7.7 | 246 |
| 20 | 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 |
| 21 | 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 |
| 22 | The Sloan Digital Sky Survey quasar catalog: tenth data release. Astronomy and Astrophysics, 2014, 563, A54. | 5.1 | 200 |
| 23 | The clustering of Galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: including covariance matrix errors. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2531-2541. | 4.4 | 189 |
| 24 | Measurement of baryon acoustic oscillations in the Lyman-Î± forest fluctuations in BOSS data release 9. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 026-026. | 5.4 | 185 |
| 25 | 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 |
| 26 | Correlation of CMB with large-scale structure. II. Weak lensing. Physical Review D, 2008, 78, . | 4.7 | 173 |
| 27 | The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measuring DA and H at zÂ=Â0.57 from the baryon acoustic peak in the Data Release 9 spectroscopic Galaxy sample. Monthly Notices of the Royal Astronomical Society, 2014, 439, 83-101. | 4.4 | 169 |
| 28 | The one-dimensional LyÎ±forest power spectrum from BOSS. Astronomy and Astrophysics, 2013, 559, A85. | 5.1 | 166 |
| 29 | 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 |
| 30 | The Quijote Simulations. Astrophysical Journal, Supplement Series, 2020, 250, 2. | 7.7 | 149 |
| 31 | The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: BAO measurement from the LOS-dependent power spectrum of DR12 BOSS galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4210-4219. | 4.4 | 140 |
| 32 | 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. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1770-1785. | 4.4 | 138 |
| 33 | 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 |
| 34 | Improvement of cosmological neutrino mass bounds. Physical Review D, 2016, 94, . | 4.7 | 136 |
| 35 | The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: RSD measurement from the LOS-dependent power spectrum of DR12 BOSS galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4188-4209. | 4.4 | 130 |
| 36 | The Lyman-Î± forest in three dimensions: measurements of large scale flux correlations from BOSS 1st-year data. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 001-001. | 5.4 | 126 |

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| 37 | 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 |
| 38 | 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 |
| 39 | CLUSTERING OF SLOAN DIGITAL SKY SURVEY III PHOTOMETRIC LUMINOUS GALAXIES: THE MEASUREMENT, SYSTEMATICS, AND COSMOLOGICAL IMPLICATIONS. Astrophysical Journal, 2012, 761, 14. | 4.5 | 113 |
| 40 | 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 |
| 41 | The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: galaxy clustering measurements in the low-redshift sample of Data Release 11. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2222-2237. | 4.4 | 93 |
| 42 | The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: single-probe measurements from CMASS anisotropic galaxy clustering. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3781-3793. | 4.4 | 88 |
| 43 | THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: LUMINOUS RED GALAXY TARGET SELECTION. Astrophysical Journal, Supplement Series, 2016, 224, 34. | 7.7 | 87 |
| 44 | 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 |
| 45 | ACOUSTIC SCALE FROM THE ANGULAR POWER SPECTRA OF SDSS-III DR8 PHOTOMETRIC LUMINOUS GALAXIES. Astrophysical Journal, 2012, 761, 13. | 4.5 | 77 |
| 46 | THE CLUSTERING OF GALAXIES IN THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: LUMINOSITY AND COLOR DEPENDENCE AND REDSHIFT EVOLUTION. Astrophysical Journal, 2013, 767, 122. | 4.5 | 77 |
| 47 | The large-scale distribution of cool gas around luminous red galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 439, 3139-3155. | 4.4 | 73 |
| 48 | Scale-dependent galaxy bias, CMB lensing-galaxy cross-correlation, and neutrino masses. Physical Review D, 2018, 98, . | 4.7 | 73 |
| 49 | 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 |
| 50 | NEW NEUTRINO MASS BOUNDS FROM SDSS-III DATA RELEASE 8 PHOTOMETRIC LUMINOUS GALAXIES. Astrophysical Journal, 2012, 761, 12. | 4.5 | 70 |
| 51 | Impact of neutrino properties on the estimation of inflationary parameters from current and future observations. Physical Review D, 2017, 95, . | 4.7 | 70 |
| 52 | THE BOSS LyÎ± FOREST SAMPLE FROM SDSS DATA RELEASE 9. Astronomical Journal, 2013, 145, 69. | 4.7 | 68 |
| 53 | Spectroscopic needs for imaging dark energy experiments. Astroparticle Physics, 2015, 63, 81-100. | 4.3 | 66 |
| 54 | MAPPING THE MOST MASSIVE OVERDENSITY THROUGH HYDROGEN (MAMMOTH). I. METHODOLOGY. Astrophysical Journal, 2016, 833, 135. | 4.5 | 66 |

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| 55 | CosmoFlow: Using Deep Learning to Learn the Universe at Scale. , 2018, , . | | 66 |
| 56 | 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 |
| 57 | Constraining gravity at the largest scales through CMB lensing and galaxy velocities. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4098-4108. | 4.4 | 53 |
| 58 | Efficient reconstruction of linear baryon acoustic oscillations in galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2014, 445, 3152-3168. | 4.4 | 50 |
| 59 | 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 |
| 60 | Cosmic web reconstruction through density ridges: method and algorithm. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1140-1156. | 4.4 | 49 |
| 61 | Using the Marked Power Spectrum to Detect the Signature of Neutrinos in Large-Scale Structure. Physical Review Letters, 2021, 126, 011301. | 7.8 | 49 |
| 62 | Constraints on neutrino masses from Planck and Galaxy clustering data. Physical Review D, 2013, 88, . | 4.7 | 47 |
| 63 | Search for Câ€‰ii emission on cosmological scales at redshift ZÂâˆ¼Â2.6. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1911-1924. | 4.4 | 46 |
| 64 | 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 |
| 65 | Sloan Digital Sky Survey III photometric quasar clustering: probing the initial conditions of the Universe. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 040-040. | 5.4 | 41 |
| 66 | Cosmic web reconstruction through density ridges: catalogue. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3896-3909. | 4.4 | 41 |
| 67 | The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: single-probe measurements from DR12 galaxy clustering â€“ towards an accurate model. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2370-2390. | 4.4 | 39 |
| 68 | Testing deviations from Î›CDM with growth rate measurements from six large-scale structure surveys atz= 0.06â€“1. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3743-3756. | 4.4 | 38 |
| 69 | The acoustic peak in the Lyman alpha forest. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 019-019. | 5.4 | 34 |
| 70 | 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 |
| 71 | Large covariance matrices: smooth models from the two-point correlation function. Monthly Notices of the Royal Astronomical Society, 2016, 462, 2681-2694. | 4.4 | 31 |
| 72 | Constraining the initial conditions of the Universe using large scale structure. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 038-038. | 5.4 | 30 |

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| 73 | Probing gravity at large scales through CMB lensing. Monthly Notices of the Royal Astronomical Society, 2015, 449, 4326-4335. | 4.4 | 29 |
| 74 | 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 |
| 75 | Astrometry with the Wide-Field Infrared Space Telescope. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1. | 1.8 | 28 |
| 76 | Cluster Ellipticities as a Cosmological Probe. Astrophysical Journal, 2006, 647, 8-12. | 4.5 | 27 |
| 77 | 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 |
| 78 | LUMINOUS RED GALAXY POPULATION IN CLUSTERS AT 0.2â©½ z â©½0.6. Astrophysical Journal, 2009, 697, 1358-1368. | 4.5 | 25 |
| 79 | Detecting damped Lyâ€‰Î± absorbers with Gaussian processes. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1850-1865. | 4.4 | 25 |
| 80 | Mock Quasar-Lyman-Î± forest data-sets for the SDSS-III Baryon Oscillation Spectroscopic Survey. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 060-060. | 5.4 | 24 |
| 81 | A FIRST LOOK AT CREATING MOCK CATALOGS WITH MACHINE LEARNING TECHNIQUES. Astrophysical Journal, 2013, 772, 147. | 4.5 | 23 |
| 82 | Gravitational-wave population inference with deep flow-based generative network. Physical Review D, 2020, 101, . | 4.7 | 23 |
| 83 | The clustering of Galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: potential systematics in fitting of baryon acoustic feature. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2-28. | 4.4 | 22 |
| 84 | TENTATIVE DETECTION OF QUASAR FEEDBACK FROM WMAP AND SDSS CROSS-CORRELATION. Astrophysical Journal, 2010, 720, 299-305. | 4.5 | 21 |
| 85 | The detection of the imprint of filaments on cosmic microwave background lensing. Nature Astronomy, 2018, 2, 401-406. | 10.1 | 20 |
| 86 | Likelihood non-Gaussianity in large-scale structure analyses. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2956-2969. | 4.4 | 18 |
| 87 | Cluster arc statistics. Astroparticle Physics, 2005, 24, 257-272. | 4.3 | 16 |
| 88 | Characterizing unknown systematics in large scale structure surveys. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 007-007. | 5.4 | 16 |
| 89 | 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 |
| 90 | HInet: Generating Neutral Hydrogen from Dark Matter with Neural Networks. Astrophysical Journal, 2021, 916, 42. | 4.5 | 16 |

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| 91 | On the peculiar momentum of baryons after reionization. Monthly Notices of the Royal Astronomical Society, 2009, 398, 790-806. | 4.4 | 15 |
| 92 | 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 |
| 93 | 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 |
| 94 | Halo Asphericity and the Shear Threeâ€Point Function. Astrophysical Journal, 2004, 607, 40-42. | 4.5 | 11 |
| 95 | Probing gravitational lensing of the CMB with SDSS-IV quasars. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1720-1726. | 4.4 | 10 |
| 96 | 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 |
| 97 | 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 |
| 98 | Constraining primordial non-Gaussianity with CMBâ€“21â€‰cm cross-correlations?. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2017-2023. | 4.4 | 6 |
| 99 | 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 |