

# Hee-Jong Seo

## List of Publications by Year in descending order

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68  
papers

20,665  
citations

44069

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106344

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g-index

68  
all docs

68  
docs citations

68  
times ranked

9484  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | 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     |
| 2  | 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     |
| 3  | 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     |
| 4  | THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. <i>Astronomical Journal</i> , 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. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 24-62.                        | 4.4 | 1,168     |
| 6  | Cosmological constraints from the SDSS luminous red galaxies. <i>Physical Review D</i> , 2006, 74, .  | 4.7 | 1,132     |
| 7  | The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.  | 7.7 | 826       |
| 8  | Overview of the DESI Legacy Imaging Surveys. <i>Astronomical Journal</i> , 2019, 157, 168.  | 4.7 | 825       |
| 9  | THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. <i>Astronomical Journal</i> , 2016, 151, 44.   | 4.7 | 582       |
| 10 | Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Cosmological implications from two decades of spectroscopic surveys at the Apache Point Observatory. <i>Physical Review D</i> , 2021, 103, .  | 4.7 | 527       |
| 11 | Cosmological implications of baryon acoustic oscillation measurements. <i>Physical Review D</i> , 2015, 92, .   | 4.7 | 487       |
| 12 | Improving Cosmological Distance Measurements by Reconstruction of the Baryon Acoustic Peak. <i>Astrophysical Journal</i> , 2007, 664, 675-679.  | 4.5 | 391       |
| 13 | On the Robustness of the Acoustic Scale in the Low-Redshift Clustering of Matter. <i>Astrophysical Journal</i> , 2007, 664, 660-674.  | 4.5 | 335       |
| 14 | The Sloan Digital Sky Survey Quasar Catalog: Fourteenth data release. <i>Astronomy and Astrophysics</i> , 2018, 613, A51.   | 5.1 | 333       |
| 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. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4773-4794. | 4.4 | 301       |
| 16 | The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 23.   | 7.7 | 299       |
| 17 | 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       |
| 18 | The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: anisotropic galaxy clustering in Fourier space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2242-2260.                                      | 4.4 | 248       |

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|----|---|-----|-----------|
| 19 | DESI and other Dark Energy experiments in the era of neutrino mass measurements. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 023-023.   | 5.4 | 243       |
| 20 | 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       |
| 21 | The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: observational systematics and baryon acoustic oscillations in the correlation function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1168-1191.  | 4.4 | 183       |
| 22 | A 2.5 per cent measurement of the growth rate from small-scale redshift space clustering of SDSS-III CMASS galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 476-502.   | 4.4 | 178       |
| 23 | The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the Fourier space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 3409-3430.   | 4.4 | 174       |
| 24 | The Completed SDSS-IV Extended Baryon Oscillation Spectroscopic Survey: Baryon Acoustic Oscillations with Ly $\alpha$ Forests. <i>Astrophysical Journal</i> , 2020, 901, 153.   | 4.5 | 174       |
| 25 | The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measuring $D_A$ and $H$ at $z=0.57$ 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       |
| 26 | The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: measurement of the BAO and growth rate of structure of the luminous red galaxy sample from the anisotropic correlation function between redshifts 0.6 and 1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 736-762.               | 4.4 | 154       |
| 27 | THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION. <i>Astrophysical Journal, Supplement Series</i> , 2015, 221, 27.   | 7.7 | 153       |
| 28 | The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: Cosmological implications of the configuration-space clustering wedges. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1640-1658.  | 4.4 | 143       |
| 29 | The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: measurement of the BAO and growth rate of structure of the luminous red galaxy sample from the anisotropic power spectrum between redshifts 0.6 and 1.0. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2492-2531.                 | 4.4 | 137       |
| 30 | The SDSS-IV Extended Baryon Oscillation Spectroscopic Survey: Baryon Acoustic Oscillations at Redshift of 0.72 with the DR14 Luminous Red Galaxy Sample. <i>Astrophysical Journal</i> , 2018, 863, 110.   | 4.5 | 125       |
| 31 | The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: structure growth rate measurement from the anisotropic quasar power spectrum in the redshift range 0.8 &lt;math>z</math> &lt;math>2.2</math>. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 1604-1638. | 4.4 | 118       |
| 32 | The clustering of galaxies in the SDSS-III DR9 Baryon Oscillation Spectroscopic Survey: constraints on primordial non-Gaussianity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 1116-1127.   | 4.4 | 117       |
| 33 | 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       |
| 34 | The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: measurement of the growth rate of structure from the anisotropic correlation function between redshift 0.8 and 2.2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 1639-1663.                           | 4.4 | 109       |
| 35 | HIGH-PRECISION PREDICTIONS FOR THE ACOUSTIC SCALE IN THE NONLINEAR REGIME. <i>Astrophysical Journal</i> , 2010, 720, 1650-1667.   | 4.5 | 104       |
| 36 | The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Large-scale structure catalogues for cosmological analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2354-2371.  | 4.4 | 100       |

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|----|--|-----|-----------|
| 37 | 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        |
| 38 | THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: LUMINOUS RED GALAXY TARGET SELECTION. Astrophysical Journal, Supplement Series, 2016, 224, 34.   | 7.7 | 87        |
| 39 | The three-point correlation function of luminous red galaxies in the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2007, 378, 1196-1206.  | 4.4 | 85        |
| 40 | 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        |
| 41 | ACOUSTIC SCALE FROM THE ANGULAR POWER SPECTRA OF SDSS-III DR8 PHOTOMETRIC LUMINOUS GALAXIES. Astrophysical Journal, 2012, 761, 13.   | 4.5 | 77        |
| 42 | 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        |
| 43 | GALAXY BIAS AND ITS EFFECTS ON THE BARYON ACOUSTIC OSCILLATION MEASUREMENTS. Astrophysical Journal, 2011, 734, 94.   | 4.5 | 71        |
| 44 | The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: large-scale structure catalogues and measurement of the isotropic BAO between redshift 0.6 and 1.1 for the Emission Line Galaxy Sample. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3254-3274. | 4.4 | 62        |
| 45 | The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: anisotropic clustering analysis in configuration space. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2521-2534.  | 4.4 | 61        |
| 46 | 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        |
| 47 | The BOSS "WiggleZ overlap region" I. Baryon acoustic oscillations. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3230-3248.  | 4.4 | 58        |
| 48 | The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: Cosmological implications of the Fourier space wedges of the final sample. Monthly Notices of the Royal Astronomical Society, 0, , stw3384.  | 4.4 | 58        |
| 49 | A complete FFT-based decomposition formalism for the redshift-space bispectrum. Monthly Notices of the Royal Astronomical Society, 2019, 484, 364-384.   | 4.4 | 58        |
| 50 | Modeling the reconstructed BAO in Fourier space. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2453-2471.  | 4.4 | 50        |
| 51 | The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measuring $H(z)$ and $D_A(z)$ at $z \approx 0.57$ with clustering wedges. Monthly Notices of the Royal Astronomical Society, 2013, 435, 64-86.   | 4.4 | 44        |
| 52 | Perturbation theory approach to predict the covariance matrices of the galaxy power spectrum and bispectrum in redshift space. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1684-1711.  | 4.4 | 44        |
| 53 | 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        |
| 54 | The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: combining correlated Gaussian posterior distributions. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1493-1501.  | 4.4 | 35        |

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|----|---|-----|-----------|
| 55 | The completed SDSS-IV extended baryon oscillation spectroscopic survey: pairwise-inverse probability and angular correction for fibre collisions in clustering measurements. Monthly Notices of the Royal Astronomical Society, 2020, 498, 128-143.                                   | 4.4 | 28        |
| 56 | Theoretical Systematics of Future Baryon Acoustic Oscillation Surveys. Monthly Notices of the Royal Astronomical Society, 0, , .  | 4.4 | 27        |
| 57 | Improving galaxy clustering measurements with deep learning: analysis of the DECaLS DR7 data. Monthly Notices of the Royal Astronomical Society, 2020, 495, 1613-1640.  | 4.4 | 27        |
| 58 | REDSHIFT MEASUREMENT AND SPECTRAL CLASSIFICATION FOR eBOSS GALAXIES WITH THE REDMONSTER SOFTWARE. Astronomical Journal, 2016, 152, 205.   | 4.7 | 25        |
| 59 | Primordial non-Gaussianity from the completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey "I: Catalogue preparation and systematic mitigation. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3439-3454.  | 4.4 | 24        |
| 60 | The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: measuring the evolution of the growth rate using redshift-space distortions between redshift 0.8 and 2.2. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3878-3887. | 4.4 | 22        |
| 61 | Towards a self-consistent analysis of the anisotropic galaxy two- and three-point correlation functions on large scales: application to mock galaxy catalogues. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2862-2896.  | 4.4 | 18        |
| 62 | Primordial non-Gaussianity from the completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey II: measurements in Fourier space with optimal weights. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3396-3409.   | 4.4 | 15        |
| 63 | Angular clustering properties of the DESI QSO target selection using DR9 Legacy Imaging Surveys. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3904-3923.   | 4.4 | 11        |
| 64 | Baryon acoustic oscillations in the projected cross-correlation function between the eBOSS DR16 quasars and photometric galaxies from the DESI Legacy Imaging Surveys. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2562-2582.                                       | 4.4 | 9         |
| 65 | The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey quasar sample: testing observational systematics on the Baryon Acoustic Oscillation measurement. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2503-2517.                              | 4.4 | 6         |
| 66 | Iterative reconstruction excursions for Baryon Acoustic Oscillations and beyond. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1557-1573.   | 4.4 | 6         |
| 67 | Modeling iterative reconstruction and displacement field in the large scale structure. Physical Review D, 2021, 104, .  | 4.7 | 5         |
| 68 | Detecting baryon acoustic oscillations in dark matter from kinematic weak lensing surveys. Monthly Notices of the Royal Astronomical Society, 2019, 487, 253-267.   | 4.4 | 1         |