

# Florian Beutler

## List of Publications by Year in descending order

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92  
papers

20,714  
citations

38742

50  
h-index

49909

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92  
all docs

92  
docs citations

92  
times ranked

9550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iterative reconstruction excursions for Baryon Acoustic Oscillations and beyond. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1557-1573.	4.4	6
2	<scp>matryoshka</scp>: halo model emulator for the galaxy power spectrum. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3768-3784.	4.4	13
3	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. Astrophysical Journal, Supplement Series, 2022, 259, 35.	7.7	405
4	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
5	Ensemble slice sampling. Statistics and Computing, 2021, 31, 1.	1.5	17
6	<tt>zeus</tt>: a <scp>python</scp> implementation of ensemble slice sampling for efficient Bayesian parameter inference. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3589-3603.	4.4	28
7	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
8	Unified galaxy power spectrum measurements from 6dFGS, BOSS, and eBOSS. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 031.	5.4	32
9	Modeling iterative reconstruction and displacement field in the large scale structure. Physical Review D, 2021, 104, .	4.7	5
10	Impact of relativistic effects on the primordial non-Gaussianity signature in the large-scale clustering of quasars. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2598-2607.	4.4	22
11	Assessing non-linear models for galaxy clustering “ II. Model validation and forecasts for Stage IV surveys. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5301-5322.	4.4	7
12	Modeling relativistic contributions to the halo power spectrum dipole. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 048-048.	5.4	34
13	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
14	Efficient cosmological analysis of the SDSS/BOSS data from the Effective Field Theory of Large-Scale Structure. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 001-001.	5.4	103
15	Testing Low-Redshift Cosmic Acceleration with Large-Scale Structure. Physical Review Letters, 2020, 124, 221301.	7.8	31
16	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. Astrophysical Journal, Supplement Series, 2020, 249, 3.	7.7	826
17	The impact of the fiducial cosmology assumption on BAO distance scale measurements. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2076-2089.	4.4	35
18	The cosmological analysis of the SDSS/BOSS data from the Effective Field Theory of Large-Scale Structure. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 005-005.	5.4	244

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19	Interpreting measurements of the anisotropic galaxy power spectrum. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 040-040.	5.4	45
20	Redshift-weighted constraints on primordial non-Gaussianity from the clustering of the eBOSS DR14 quasars in Fourier space. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 010-010.	5.4	82
21	A complete FFT-based decomposition formalism for the redshift-space bispectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 364-384.	4.4	58
22	Likelihood non-Gaussianity in large-scale structure analyses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2956-2969.	4.4	18
23	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
24	Overview of the DESI Legacy Imaging Surveys. <i>Astronomical Journal</i> , 2019, 157, 168.	4.7	825
25	First constraint on the neutrino-induced phase shift in the spectrum of baryon acoustic oscillations. <i>Nature Physics</i> , 2019, 15, 465-469.	16.7	37
26	The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: a tomographic measurement of cosmic structure growth and expansion rate based on optimal redshift weights. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 3497-3513.	4.4	142
27	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. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 3878-3887.	4.4	22
28	Primordial features from linear to nonlinear scales. <i>Physical Review Research</i> , 2019, 1, .	3.6	38
29	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
30	Low redshift baryon acoustic oscillation measurement from the reconstructed 6-degree field galaxy survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2371-2383.	4.4	59
31	nbodykit: An Open-source, Massively Parallel Toolkit for Large-scale Structure. <i>Astronomical Journal</i> , 2018, 156, 160.	4.7	182
32	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: theoretical systematics and Baryon Acoustic Oscillations in the galaxy correlation function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 1153-1188.	4.4	60
33	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: constraining modified gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 2122-2131.	4.4	44
34	The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: measuring the anisotropic baryon acoustic oscillations with redshift weights. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 1096-1105.	4.4	27
35	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 42.	7.7	796
36	The large-scale three-point correlation function of the SDSS BOSS DR12 CMASS galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 1070-1083.	4.4	72

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37	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the Fourier space. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3409-3430.	4.4	174
38	Dynamical dark energy in light of the latest observations. Nature Astronomy, 2017, 1, 627-632.	10.1	332
39	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	4.7	1,100
40	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
41	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
42	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
43	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: Cosmological implications of the configuration-space clustering wedges. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1640-1658.	4.4	143
44	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: tomographic BAO analysis of DR12 combined sample in Fourier space. Monthly Notices of the Royal Astronomical Society, 2017, 466, 762-779.	4.4	54
45	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: anisotropic galaxy clustering in Fourier space. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2242-2260.	4.4	248
46	Constraining the relative velocity effect using the Baryon Oscillation Spectroscopic Survey. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2723-2735.	4.4	17
47	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
48	Imprints of reionization in galaxy clustering. Physical Review D, 2017, 96, .	4.7	12
49	Extending the modeling of the anisotropic galaxy power spectrum to $k = 0.4$ $h^{-1} \text{Mpc}^{-1}$ . Journal of Cosmology and Astroparticle Physics, 2017, 2017, 009-009.	5.4	51
50	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
51	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
52	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: angular clustering tomography and its cosmological implications. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2938-2956.	4.4	37
53	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: mock galaxy catalogues for the BOSS Final Data Release. Monthly Notices of the Royal Astronomical Society, 2016, 456, 4156-4173.	4.4	213
54	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

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55	The BOSS "WiggleZ overlap region" II. Dependence of cosmic growth on galaxy type. Monthly Notices of the Royal Astronomical Society, 2016, 455, 4046-4056.	4.4	24
56	Modeling the reconstructed BAO in Fourier space. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2453-2471.	4.4	50
57	Fast and accurate mock catalogue generation for low-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2118-2129.	4.4	54
58	The BOSS "WiggleZ overlap region" I. Baryon acoustic oscillations. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3230-3248.	4.4	58
59	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
60	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
61	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. Astronomical Journal, 2016, 151, 44.	4.7	582
62	The 6dF Galaxy Survey: bulk flows on $50-70 h^{-1} \text{Mpc}$ scales. Monthly Notices of the Royal Astronomical Society, 2016, 455, 386-401.	4.4	68
63	Cosmological implications of baryon acoustic oscillation measurements. Physical Review D, 2015, 92, .	4.7	487
64	Eulerian BAO reconstructions and $N$ -point statistics. Physical Review D, 2015, 92, .	4.7	57
65	TESTING GRAVITY AT COSMIC SCALES WITH CLUSTERS OF GALAXIES, THE CMB AND GALAXY CLUSTERING. , 2015, , .		0
66	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
67	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
68	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
69	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measuring $D_A$ and $H$ at $z \approx 0.57$ 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
70	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: signs of neutrino mass in current cosmological data sets. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3501-3516.	4.4	100
71	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
72	The 6dF Galaxy Survey: Fundamental Plane data. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1231-1251.	4.4	49

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73	Quasar-Lyman $\hat{\pm}$ forest cross-correlation from BOSS DR11: Baryon Acoustic Oscillations. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 027-027.	5.4	392
74	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
75	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
76	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
77	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
78	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
79	The 6dF Galaxy Survey: dependence of halo occupation on stellar mass. Monthly Notices of the Royal Astronomical Society, 2013, 429, 3604-3618.	4.4	26
80	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: single-probe measurements and the strong power of $f(z)\Delta^8(z)$ on constraining dark energy. Monthly Notices of the Royal Astronomical Society, 2013, 433, 3559-3571.	4.4	128
81	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measuring $H(z)$ and $DA(z)$ at $z\hat{A}=0.57$ with clustering wedges. Monthly Notices of the Royal Astronomical Society, 2013, 435, 64-86.	4.4	44
82	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological constraints from the full shape of the clustering wedges. Monthly Notices of the Royal Astronomical Society, 2013, 433, 1202-1222.	4.4	93
83	A combined measurement of cosmic growth and expansion from clusters of galaxies, the CMB and galaxy clustering. Monthly Notices of the Royal Astronomical Society, 2013, 432, 973-985.	4.4	35
84	THE CLUSTERING OF GALAXIES AROUND RADIO-LOUD ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2013, 772, 64.	4.5	17
85	Measuring $H_{0}$ from the 6dF Galaxy Survey and future low-redshift surveys. Proceedings of the International Astronomical Union, 2012, 8, 319-322.	0.0	2
86	The 6dF Galaxy Survey: $z\hat{\%}^0$ measurements of the growth rate and $\hat{f}$ . Monthly Notices of the Royal Astronomical Society, 2012, 423, 3430-3444.	4.4	390
87	The 6dF Galaxy Survey: baryon acoustic oscillations and the local Hubble constant. Monthly Notices of the Royal Astronomical Society, 2011, 416, 3017-3032.	4.4	1,915
88	The WiggleZ Dark Energy Survey: mapping the distance-redshift relation with baryon acoustic oscillations. Monthly Notices of the Royal Astronomical Society, 2011, 418, 1707-1724.	4.4	782
89	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
90	The Clustering of Galaxies in the Completed SDSS-III Baryon Oscillation Spectroscopic Survey: Cosmic Flows and Cosmic Web from Luminous Red Galaxies. Monthly Notices of the Royal Astronomical Society, 0, , stx178.	4.4	13

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91	Theoretical Systematics of Future Baryon Acoustic Oscillation Surveys. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	27
92	The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: measurement of the BAO and growth rate of structure of the emission line galaxy sample from the anisotropic power spectrum between redshift 0.6 and 1.1. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	91