

David Parkinson

List of Publications by Year in descending order

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94
papers

5,846
citations

87888

38
h-index

74163

75
g-index

95
all docs

95
docs citations

95
times ranked

4543
citing authors

#	ARTICLE	IF	CITATIONS
1	The WiggleZ Dark Energy Survey: mapping the distance-redshift relation with baryon acoustic oscillations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 1707-1724.	4.4	782
2	KiDS-1000 Cosmology: Multi-probe weak gravitational lensing and spectroscopic galaxy clustering constraints. <i>Astronomy and Astrophysics</i> , 2021, 646, A140.	5.1	393
3	A Nested Sampling Algorithm for Cosmological Model Selection. <i>Astrophysical Journal</i> , 2006, 638, L51-L54.	4.5	251
4	KiDS-450 + 2dFLenS: Cosmological parameter constraints from weak gravitational lensing tomography and overlapping redshift-space galaxy clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4894-4924.	4.4	212
5	The WiggleZ Dark Energy Survey: Final data release and cosmological results. <i>Physical Review D</i> , 2012, 86, .	4.7	205
6	Cosmology with Phase 1 of the Square Kilometre Array Red Book 2018: Technical specifications and performance forecasts. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	195
7	Foundations of observing dark energy dynamics with the Wilkinson Microwave Anisotropy Probe. <i>Physical Review D</i> , 2004, 70, .	4.7	191
8	The WiggleZ Dark Energy Survey: testing the cosmological model with baryon acoustic oscillations at $z = 0.6$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 2892-2909.	4.4	190
9	CFHTLenS revisited: assessing concordance with Planck including astrophysical systematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2033-2052.	4.4	185
10	Fundamental physics with the Square Kilometre Array. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	179
11	SUPERNOVA SIMULATIONS AND STRATEGIES FOR THE DARK ENERGY SURVEY. <i>Astrophysical Journal</i> , 2012, 753, 152.	4.5	152
12	CFHTLenS: testing the laws of gravity with tomographic weak lensing and redshift-space distortions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 2249-2263.	4.4	149
13	Results from the Supernova Photometric Classification Challenge. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 1415-1431.	3.1	130
14	Measuring the effective complexity of cosmological models. <i>Physical Review D</i> , 2006, 74, .	4.7	109
15	The SPTpol Extended Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 25.	7.7	101
16	Bayesian model selection analysis of WMAP3. <i>Physical Review D</i> , 2006, 73, .	4.7	81
17	Universal fitting formulae for baryon oscillation surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 365, 255-264.	4.4	81
18	Model selection and multi-model inference. , 0, , 79-98.		80

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19	KiDS-1000 Cosmology: Constraints beyond flat Λ CDM. <i>Astronomy and Astrophysics</i> , 2021, 649, A88.	5.1	80
20	Correlation-consistency cartography of the double-inflation landscape. <i>Physical Review D</i> , 2003, 67, .	4.7	78
21	Present and future evidence for evolving dark energy. <i>Physical Review D</i> , 2006, 74, .	4.7	75
22	OzDES multifibre spectroscopy for the Dark Energy Survey: first-year operation and results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 3047-3063.	4.4	75
23	Direct reconstruction of the quintessence potential. <i>Physical Review D</i> , 2005, 72, .	4.7	69
24	OzDES multifibre spectroscopy for the Dark Energy Survey: 3-yr results and first data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 273-288.	4.4	65
25	The Evolutionary Map of the Universe pilot survey. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	3.4	64
26	Constraining models of $f(R)$ gravity with Planck and WiggleZ power spectrum data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 046-046.	5.4	63
27	Mapping the dark energy with varying alpha. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 578, 235-240.	4.1	60
28	Quintessence reconstructed: New constraints and tracker viability. <i>Physical Review D</i> , 2007, 75, .	4.7	55
29	Photometric redshifts for the Kilo-Degree Survey. <i>Astronomy and Astrophysics</i> , 2018, 616, A69.	5.1	54
30	The 2-degree Field Lensing Survey: design and clustering measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 4240-4265.	4.4	53
31	Model selection as a science driver for dark energy surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 1725-1734.	4.4	51
32	Testing for double inflation with WMAP. <i>Physical Review D</i> , 2005, 71, .	4.7	47
33	Model selection in cosmology. <i>Astronomy and Geophysics</i> , 2006, 47, 4.30-4.33.	0.2	47
34	WiggleZ Dark Energy Survey: Cosmological neutrino mass constraint from blue high-redshift galaxies. <i>Physical Review D</i> , 2012, 85, .	4.7	46
35	Condensate cosmology: Dark energy from dark matter. <i>Physical Review D</i> , 2003, 68, .	4.7	43
36	OzDES multi-object fibre spectroscopy for the Dark Energy Survey: results and second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 19-35.	4.4	43

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37	Combining Planck data with large scale structure information gives a strong neutrino mass constraint. <i>Physical Review D</i> , 2014, 89, .	4.7	42
38	KiDS+2dFLenS+GAMA: testing the cosmological model with the EG statistic. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 3422-3437.	4.4	42
39	Unified dark energy and dark matter from a scalar field different from quintessence. <i>Physical Review D</i> , 2010, 81, .	4.7	40
40	Nested sampling for physical scientists. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	21.2	40
41	Probing primordial non-Gaussianity via iSW measurements with SKA continuum surveys. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 042-042.	5.4	39
42	SIMULTANEOUS CONSTRAINTS ON THE NUMBER AND MASS OF RELATIVISTIC SPECIES. <i>Astrophysical Journal</i> , 2013, 763, 89.	4.5	38
43	Planck priors for dark energy surveys. <i>Physical Review D</i> , 2008, 78, .	4.7	37
44	Constraints and tensions in testing general relativity from Planck and CFHTLenS data including intrinsic alignment systematics. <i>Physical Review D</i> , 2015, 92, .	4.7	36
45	Searching for modified gravity: scale and redshift dependent constraints from galaxy peculiar velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2725-2744.	4.4	36
46	A combined measurement of cosmic growth and expansion from clusters of galaxies, the CMB and galaxy clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 973-985.	4.4	35
47	2dFLenS and KiDS: determining source redshift distributions with cross-correlations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 4118-4132.	4.4	35
48	Optimizing baryon acoustic oscillation surveys - I. Testing the concordance Λ CDM cosmology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 377, 185-197.	4.4	33
49	Constraining the dark fluid. <i>Physical Review D</i> , 2009, 80, .	4.7	33
50	Model-independent dark energy test with ℓ 8 using results from the Wilkinson Microwave Anisotropy Probe. <i>Physical Review D</i> , 2004, 70, .	4.7	32
51	Statistical classification techniques for photometric supernova typing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 1987-2004.	4.4	29
52	DASH: Deep Learning for the Automated Spectral Classification of Supernovae and Their Hosts. <i>Astrophysical Journal</i> , 2019, 885, 85.	4.5	29
53	Testing gravity using galaxy-galaxy lensing and clustering amplitudes in KiDS-1000, BOSS, and 2dFLenS. <i>Astronomy and Astrophysics</i> , 2020, 642, A158.	5.1	27
54	Model selection forecasts for the spectral index from the Planck satellite. <i>Physical Review D</i> , 2006, 73, .	4.7	26

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55	The 2QDES Pilot: the luminosity and redshift dependence of quasar clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 1179-1200.	4.4	24
56	KiDS-i-800: comparing weak gravitational lensing measurements from same-sky surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 4285-4307.	4.4	24
57	Optimizing future imaging survey of galaxies to confront dark energy and modified gravity models. <i>Physical Review D</i> , 2007, 76, .	4.7	23
58	The WiggleZ Dark Energy Survey: constraining the evolution of Newton's constant using the growth rate of structure. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 037-037.	5.4	23
59	Measuring the 2D baryon acoustic oscillation signal of galaxies in WiggleZ: cosmological constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 4807-4822.	4.4	23
60	What Is Half a Neutrino? Reviewing Cosmological Constraints on Neutrinos and Dark Radiation. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	22
61	WMAP normalization of inflationary cosmologies. <i>Physical Review D</i> , 2006, 74, .	4.7	20
62	Future constraints on angle-dependent non-Gaussianity from large radio surveys. <i>Physics of the Dark Universe</i> , 2017, 15, 35-46.	4.9	20
63	Cosmology with the Einstein telescope: No Slip Gravity model and redshift specifications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 5563-5575.	4.4	20
64	Optimizing baryon acoustic oscillation surveys - II. Curvature, redshifts and external data sets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 2169-2180.	4.4	19
65	Designer Cosmology. <i>Astrophysical Journal</i> , 2005, 626, L1-L4.	4.5	18
66	Bayesian model averaging in astrophysics: a review. <i>Statistical Analysis and Data Mining</i> , 2013, 6, 3-14.	2.8	17
67	A cosmographic analysis of the transition to acceleration using SN-Ia and BAO. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 052-052.	5.4	17
68	Impact of bias and redshift-space modelling for the halo power spectrum: testing the effective field theory of large-scale structure. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 011-011.	5.4	17
69	The WiggleZ Dark Energy Survey: probing the epoch of radiation domination using large-scale structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 1902-1912.	4.4	16
70	Discovery of a Radio Relic in the Massive Merging Cluster SPT-CL J2023-5535 from the ASKAP-EMU Pilot Survey. <i>Astrophysical Journal</i> , 2020, 900, 127.	4.5	16
71	When can the Planck satellite measure spectral index running?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 381, 489-493.	4.4	15
72	Developing a unified pipeline for large-scale structure data analysis with angular power spectra II. A case study for magnification bias and radio continuum surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4869-4883.	4.4	15

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73	Probing Λ CDM cosmology with the Evolutionary Map of the Universe survey. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 030-030.	5.4	14
74	A new approach to multiwavelength associations of astronomical sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 400, 1062-1074.	4.4	13
75	Measuring BAO and non-Gaussianity via QSO clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 1916-1925.	4.4	13
76	HIR4: cosmology from a simulated neutral hydrogen full sky using Horizon Run 4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 1788-1806.	4.4	12
77	Application of Bayesian model averaging to measurements of the primordial power spectrum. <i>Physical Review D</i> , 2010, 82, .	4.7	11
78	The 2-degree Field Lensing Survey: photometric redshifts from a large new training sample to $z \leq 1.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1582-1596.	4.4	11
79	Beyond the growth rate of cosmic structure: Testing modified gravity models with an extra degree of freedom. <i>Physical Review D</i> , 2017, 96, .	4.7	8
80	Identifying Complex Sources in Large Astronomical Data Sets Using a Coarse-grained Complexity Measure. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 108007.	3.1	7
81	Cosmic Flow Measurement and Mock Sampling Algorithm of Cosmicflows-4 Tully's Fisher Catalog. <i>Astrophysical Journal</i> , 2021, 922, 59.	4.5	7
82	Using measurements of the cosmic bulk flow to constrain $f(R)$ Gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 75-80.	4.4	6
83	COSMOLOGICAL MODEL SELECTION. <i>International Journal of Modern Physics A</i> , 2008, 23, 787-802.	1.5	5
84	Tensors, BICEP2 results, prior dependence, and dust. <i>Physical Review D</i> , 2015, 92, .	4.7	4
85	Reconstructing thawing quintessence with multiple datasets. <i>Physical Review D</i> , 2016, 93, .	4.7	4
86	On the prior dependence of constraints on the tensor-to-scalar ratio. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 027-027.	5.4	3
87	Optimizing future dark energy surveys for model selection goals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 313-324.	4.4	3
88	HIR4: cosmological signatures imprinted on the cross-correlation between a 21-cm map and galaxy clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 4613-4625.	4.4	3
89	Characterizing Dark Energy Through Supernovae. , 2017, , 2623-2645.		2
90	Characterizing Dark Energy Through Supernovae. , 2016, , 1-23.		2

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91	S-Tag: Supernova Tagging and Classification. <i>Astrophysical Journal</i> , 2022, 925, 186.	4.5	2
92	Bayesian experimental design and model selection forecasting. , 0, , 99-125.		1
93	Future radio continuum cosmology clustering surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4121-4130.	4.4	1
94	TESTING GRAVITY AT COSMIC SCALES WITH CLUSTERS OF GALAXIES, THE CMB AND GALAXY CLUSTERING. , 2015, , .		0