

# Alan Heavens

## List of Publications by Year in descending order

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Version: 2024-02-01

161  
papers

12,676  
citations

29994

54  
h-index

25716

108  
g-index

162  
all docs

162  
docs citations

162  
times ranked

5257  
citing authors

#	ARTICLE	IF	CITATIONS
1	Karhunenâ€œoeve Eigenvalue Problems in Cosmology: How Should We Tackle Large Data Sets?. Astrophysical Journal, 1997, 480, 22-35.	1.6	802
2	Cosmology and Fundamental Physics with the Euclid Satellite. Living Reviews in Relativity, 2013, 16, 6.	8.2	683
3	Cosmology and fundamental physics with the Euclid satellite. Living Reviews in Relativity, 2018, 21, 2.	8.2	602
4	CFHTLenS tomographic weak lensing cosmological parameter constraints: Mitigating the impact of intrinsic galaxy alignments. Monthly Notices of the Royal Astronomical Society, 2013, 432, 2433-2453.	1.6	506
5	The 2dF Galaxy Redshift Survey: the bias of galaxies and the density of the Universe. Monthly Notices of the Royal Astronomical Society, 2002, 335, 432-440.	1.6	504
6	The star-formation history of the Universe from the stellar populations of nearby galaxies. Nature, 2004, 428, 625-627.	13.7	380
7	Beyond $\Lambda$ CDM: Problems, solutions, and the road ahead. Physics of the Dark Universe, 2016, 12, 56-99.	1.8	361
8	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. Journal of High Energy Astrophysics, 2022, 34, 49-211.	2.4	350
9	Large-scale structure, the cosmic microwave background and primordial non-Gaussianity. Monthly Notices of the Royal Astronomical Society, 2000, 313, 141-147.	1.6	316
10	Measuring the cosmological constant with redshift surveys. Monthly Notices of the Royal Astronomical Society, 1996, 282, 877-888.	1.6	291
11	An accurate halo model for fitting non-linear cosmological power spectra and baryonic feedback models. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1958-1975.	1.6	279
12	The star formation histories of galaxies in the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2007, 378, 1550-1564.	1.6	244
13	Cosmology with weak lensing surveys. Physics Reports, 2008, 462, 67-121.	10.3	244
14	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. Astroparticle Physics, 2021, 131, 102605.	1.9	228
15	Recovering galaxy star formation and metallicity histories from spectra using VESPA. Monthly Notices of the Royal Astronomical Society, 0, 381, 1252-1266.	1.6	200
16	The 2dF Galaxy Redshift Survey: spherical harmonics analysis of fluctuations in the final catalogue. Monthly Notices of the Royal Astronomical Society, 2004, 353, 1201-1218.	1.6	198
17	Bayesian galaxy shape measurement for weak lensing surveys - I. Methodology and a fast-fitting algorithm. Monthly Notices of the Royal Astronomical Society, 2007, 382, 315-324.	1.6	197
18	Massive lossless data compression and multiple parameter estimation from galaxy spectra. Monthly Notices of the Royal Astronomical Society, 2000, 317, 965-972.	1.6	193

#	ARTICLE	IF	CITATIONS
19	Cosmology intertwined III: $\int_0^z \frac{dz'}{H(z')} \frac{dN}{dV dz'}$ and $S_8$ . <i>Astroparticle Physics</i> , 2021, 131, 102604.	1.9	182
20	Large-scale bias in the Universe: bispectrum method. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 290, 651-662.	1.6	148
21	The cosmic evolution of metallicity from the SDSS fossil record. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 391, 1117-1126.	1.6	147
22	Alternatives to the Press-Schechter cosmological mass function. <i>Monthly Notices of the Royal Astronomical Society</i> , 1990, 243, 133-143.	1.6	144
23	A spherical harmonic analysis of redshift space. <i>Monthly Notices of the Royal Astronomical Society</i> , 1995, 275, 483-497.	1.6	142
24	3D weak lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 343, 1327-1334.	1.6	141
25	Potential sources of contamination to weak lensing measurements: constraints from N-body simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 371, 750-760.	1.6	140
26	Tidal torques and local density maxima. <i>Monthly Notices of the Royal Astronomical Society</i> , 1988, 232, 339-360.	1.6	131
27	On model selection forecasting, dark energy and modified gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 380, 1029-1035.	1.6	128
28	Galaxy formation and evolution: low-surface-brightness galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 299, 123-138.	1.6	121
29	Weak lensing with COMBO-17: estimation and removal of intrinsic alignments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 347, 895-908.	1.6	119
30	Weak gravitational lensing: reducing the contamination by intrinsic alignments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 339, 711-720.	1.6	118
31	Bayesian galaxy shape measurement for weak lensing surveys - II. Application to simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 390, 149-167.	1.6	115
32	Star formation and metallicity history of the SDSS galaxy survey: unlocking the fossil record. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 343, 1145-1154.	1.6	111
33	3D cosmic shear: cosmology from CFHTLenS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 1326-1349.	1.6	105
34	No Evidence for Extensions to the Standard Cosmological Model. <i>Physical Review Letters</i> , 2017, 119, 101301. CMB constraints on primordial non-Gaussianity from the bispectrum ( $T_j$ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 127 Td	2.9	104
35			

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37	Probing dark energy with the shear-ratio geometric test. Monthly Notices of the Royal Astronomical Society, 2007, 374, 1377-1403.	1.6	98
38	Relativistic shocks and particle acceleration. Monthly Notices of the Royal Astronomical Society, 1988, 235, 997-1009.	1.6	95
39	Handbook for the GREAT08 Challenge: An image analysis competition for cosmological lensing. Annals of Applied Statistics, 2009, 3, .	0.5	93
40	Estimating non-Gaussianity in the microwave background. Monthly Notices of the Royal Astronomical Society, 1998, 299, 805-808.	1.6	92
41	Particle acceleration at oblique shock fronts. Monthly Notices of the Royal Astronomical Society, 1989, 239, 995-1011.	1.6	91
42	The statistics of maxima in primordial density perturbations. Monthly Notices of the Royal Astronomical Society, 1985, 217, 805-820.	1.6	88
43	A PUBLIC CATALOG OF STELLAR MASSES, STAR FORMATION AND METALLICITY HISTORIES, AND DUST CONTENT FROM THE SLOAN DIGITAL SKY SURVEY USING VESPA. Astrophysical Journal, Supplement Series, 2009, 185, 1-19.	3.0	85
44	Eulerian bias and the galaxy density field. Monthly Notices of the Royal Astronomical Society, 1998, 293, 209-221.	1.6	84
45	The mass function of the stellar component of galaxies in the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2004, 355, 764-768.	1.6	80
46	Spherical harmonic analysis of the PSCz galaxy catalogue: redshift distortions and the real-space power spectrum. Monthly Notices of the Royal Astronomical Society, 1999, 305, 527-546.	1.6	78
47	Measuring dark energy properties with 3D cosmic shear. Monthly Notices of the Royal Astronomical Society, 2006, 373, 105-120.	1.6	77
48	Standard Rulers, Candles, and Clocks from the Low-Redshift Universe. Physical Review Letters, 2014, 113, 241302.	2.9	73
49	THE AGES OF TYPE Ia SUPERNOVA PROGENITORS. Astronomical Journal, 2010, 140, 804-816.	1.9	71
50	Cosmological constraints from COMBO-17 using 3D weak lensing. Monthly Notices of the Royal Astronomical Society, 2007, 376, 771-778.	1.6	68
51	F stars, metallicity and the ages of red galaxies at $z > 1$ . Monthly Notices of the Royal Astronomical Society, 2003, 341, 464-476.	1.6	65
52	The limits of cosmic shear. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2737-2749.	1.6	64
53	Recovering physical parameters from galaxy spectra using MOPED. Monthly Notices of the Royal Astronomical Society, 2001, 327, 849-867.	1.6	63
54	The Ages, Metallicities, and Star Formation Histories of Early-Type Galaxies in the SDSS. Astrophysical Journal, 2007, 669, 947-951.	1.6	61

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55	Systematic effects on dark energy from 3D weak shear. Monthly Notices of the Royal Astronomical Society, 2008, 389, 173-190.	1.6	61
56	A new approach to probing primordial non-Gaussianity. Monthly Notices of the Royal Astronomical Society, 2010, 401, 2406-2418.	1.6	60
57	On the complementarity of galaxy clustering with cosmic shear and flux magnification. Monthly Notices of the Royal Astronomical Society, 2014, 437, 2471-2487.	1.6	53
58	Shock acceleration and steep-spectrum synchrotron sources. Monthly Notices of the Royal Astronomical Society, 1992, 259, 89-94.	1.6	52
59	Hierarchical cosmic shear power spectrum inference. Monthly Notices of the Royal Astronomical Society, 2016, 455, 4452-4466.	1.6	51
60	Determining the neutrino mass hierarchy with cosmology. Physical Review D, 2009, 80, .	1.6	49
61	Baryonic conversion tree: the global assembly of stars and dark matter in galaxies from the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2005, 356, 495-501.	1.6	48
62	3D photometric cosmic shear. Monthly Notices of the Royal Astronomical Society, 2011, 413, 2923-2934.	1.6	48
63	Results of the GREAT08 Challenge: an image analysis competition for cosmological lensing. Monthly Notices of the Royal Astronomical Society, 0, , no-no.	1.6	47
64	Multiple methods for estimating the bispectrum of the cosmic microwave background with application to the MAXIMA data. Monthly Notices of the Royal Astronomical Society, 2003, 341, 623-643.	1.6	46
65	Massive data compression for parameter-dependent covariance matrices. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4244-4250.	1.6	45
66	Particle acceleration in the hotspot of the jet of quasar 3C273. Nature, 1986, 323, 419-422.	13.7	42
67	The correlation of peaks in the microwave background. Monthly Notices of the Royal Astronomical Society, 1999, 310, 1062-1070.	1.6	41
68	On the Trispectrum as a Gaussian Test for Cosmology. Astrophysical Journal, 2001, 553, 14-24.	1.6	41
69	On lensing by a cosmological constant. Monthly Notices of the Royal Astronomical Society, 2010, 402, 2009-2016.	1.6	40
70	Cosmological parameters, shear maps and power spectra from CFHTLenS using Bayesian hierarchical inference. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3272-3292.	1.6	40
71	On the insufficiency of arbitrarily precise covariance matrices: non-Gaussian weak-lensing likelihoods. Monthly Notices of the Royal Astronomical Society, 2018, 473, 2355-2363.	1.6	39
72	Snowmass2021 - Letter of interest cosmology intertwined IV: The age of the universe and its curvature. Astroparticle Physics, 2021, 131, 102607.	1.9	39

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73	Observations of the Hubble Deep Field South with the Infrared Space Observatory- II. Associations and star formation rates. Monthly Notices of the Royal Astronomical Society, 2002, 332, 549-574.	1.6	38
74	Snowmass2021 - Letter of interest cosmology intertwined I: Perspectives for the next decade. Astroparticle Physics, 2021, 131, 102606.	1.9	37
75	Gravitational Lensing Accuracy Testing 2010 (GREAT10) Challenge Handbook. Annals of Applied Statistics, 2011, 5, .	0.5	36
76	sunglass: a new weak-lensing simulation pipeline. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2235-2245.	1.6	35
77	The stellar evolution of luminous red galaxies, and its dependence on colour, redshift, luminosity and modelling. Monthly Notices of the Royal Astronomical Society, 2011, 413, 434-460.	1.6	34
78	Discrepancies between CFHTLenS cosmic shear and Planck: new physics or systematic effects?. Monthly Notices of the Royal Astronomical Society, 2016, 459, 971-981.	1.6	34
79	New optimized estimators for the primordial trispectrum. Monthly Notices of the Royal Astronomical Society, 2011, 412, 1993-2016.	1.6	33
80	The clustering of peaks in a random Gaussian field. Monthly Notices of the Royal Astronomical Society, 1989, 238, 293-318.	1.6	32
81	The real-space power spectrum of IRAS galaxies on large scales and the redshift distortion. Monthly Notices of the Royal Astronomical Society, 1995, 276, L59-L63.	1.6	32
82	The bispectrum of the Lyman $\hat{A}$ forest at $z < 2-2.4$ from a large sample of LIVES QSO absorption spectra (LUQAS). Monthly Notices of the Royal Astronomical Society, 2004, 347, L26-L30.	1.6	32
83	Bayesian Evidence for a cosmological constant using new high-redshift supernova data. Monthly Notices of the Royal Astronomical Society, 2007, 379, 169-175.	1.6	32
84	Environment and the Cosmic Evolution of Star Formation. Astrophysical Journal, 2006, 650, L25-L28.	1.6	30
85	Non-Gaussianity in the Wilkinson Microwave Anisotropy Probe data using the peak-peak correlation function. Monthly Notices of the Royal Astronomical Society, 2006, 365, 265-275.	1.6	30
86	Reducing sample variance: halo biasing, non-linearity and stochasticity. Monthly Notices of the Royal Astronomical Society, 2010, 407, 772-790.	1.6	30
87	Combining size and shape in weak lensing. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 433, L6-L10.	1.2	29
88	Weak lensing with sizes, magnitudes and shapes. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1202-1216.	1.6	29
89	Bayesian evidence against the Harrison-Zel'dovich spectrum in tensions with cosmological data sets. Physical Review D, 2018, 98, .	1.6	29
90	First-order Fermi acceleration at oblique relativistic magnetohydrodynamic shocks. Monthly Notices of the Royal Astronomical Society, 1991, 251, 438-448.	1.6	28

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91	Projected bispectrum in spherical harmonics and its application to angular galaxy catalogues. Monthly Notices of the Royal Astronomical Society, 2000, 318, 584-598.	1.6	28
92	Redshift-space distortions in the PSCz galaxy catalogue. Monthly Notices of the Royal Astronomical Society, 2001, 327, 689-696.	1.6	27
93	Matching Bayesian and frequentist coverage probabilities when using an approximate data covariance matrix. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3207-3221.	1.6	27
94	The role of star formation in the Tullyâ€Fisher law. Monthly Notices of the Royal Astronomical Society, 1999, 305, 770-774.	1.6	25
95	The role of spin in the formation and evolution of galaxies. Monthly Notices of the Royal Astronomical Society, 2008, 391, 197-204.	1.6	25
96	CMB bispectrum, trispectrum, non-Gaussianity, and the Cramer-Rao bound. Physical Review D, 2011, 83, .	1.6	24
97	3D weak gravitational lensing of the CMB and galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 449, 2205-2214.	1.6	24
98	Full-sky correlations of peaks in the microwave background. Monthly Notices of the Royal Astronomical Society, 2001, 324, 960-968.	1.6	23
99	Secondary non-Gaussianity and cross-correlation analysis. Monthly Notices of the Royal Astronomical Society, 2011, 414, 3173-3197.	1.6	22
100	Measuring unified dark matter with 3D cosmic shear. Monthly Notices of the Royal Astronomical Society, 2011, 415, 399-409.	1.6	22
101	Probing modified gravity theories with ISW and CMB lensing. Monthly Notices of the Royal Astronomical Society, 2014, 442, 821-837.	1.6	22
102	Higher order statistics for three-dimensional shear and flexion. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1629-1653.	1.6	21
103	The richness dependence of cluster correlations. Monthly Notices of the Royal Astronomical Society, 1993, 263, 798-816.	1.6	20
104	Evidence for Progressive Loss of Starâ€Fforming Gas in SDSS Galaxies. Astrophysical Journal, 2008, 682, 252-261.	1.6	19
105	Weak lensing: Dark Matter, Dark Energy and Dark Gravity. Nuclear Physics, Section B, Proceedings Supplements, 2009, 194, 76-81.	0.5	19
106	Size magnification as a complement to cosmic shear. Monthly Notices of the Royal Astronomical Society, 2013, 430, 2844-2853.	1.6	19
107	Bayesian forward modelling of cosmic shear data. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3035-3044.	1.6	19
108	Non-Gaussianity in WMAP data due to the correlation of CMB lensing potential with secondary anisotropies. Physical Review D, 2010, 81, .	1.6	18

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109	Lifting weak lensing degeneracies with a field-based likelihood. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3194-3202.	1.6	18
110	Cosmic magnification: nulling intrinsic clustering. Monthly Notices of the Royal Astronomical Society, 2011, 415, 1681-1690.	1.6	17
111	New approaches to probing Minkowski functionals. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2830-2855.	1.6	16
112	Galaxy redshifts: improved techniques. Monthly Notices of the Royal Astronomical Society, 1993, 263, 735-741.	1.6	15
113	Fast parameter estimation from the cosmic microwave background power spectrum. Monthly Notices of the Royal Astronomical Society, 2002, 334, 167-172.	1.6	15
114	Higher-order convergence statistics for three-dimensional weak gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2011, 411, 2161-2185.	1.6	15
115	TESTING HOMOGENEITY WITH GALAXY STAR FORMATION HISTORIES. Astrophysical Journal Letters, 2013, 762, L9.	3.0	15
116	Bayesian photometric redshifts of blended sources. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2487-2505.	1.6	15
117	Primordial power spectrum and cosmology from black-box galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4237-4253.	1.6	15
118	Design and analysis of redshift surveys. Monthly Notices of the Royal Astronomical Society, 1997, 290, 456-464.	1.6	14
119	Higher order statistics of weak lensing shear and flexion. Monthly Notices of the Royal Astronomical Society, 2011, 411, 2241-2258.	1.6	14
120	Simulating the effect of non-linear mode coupling in cosmological parameter estimation. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1045-1055.	1.6	14
121	Perturbation theory for BAO reconstructed fields: One-loop results in the real-space matter density field. Physical Review D, 2017, 96, .	1.6	14
122	Testing dark matter with high-redshift supernovae. Monthly Notices of the Royal Astronomical Society, 2002, 330, 378-382.	1.6	13
123	Space-quality data from balloon-borne telescopes: The High Altitude Lensing Observatory (HALO). Astroparticle Physics, 2012, 38, 31-40.	1.9	13
124	Parameter inference for weak lensing using Gaussian Processes and MOPED. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2213-2226.	1.6	12
125	Extreme data compression while searching for new physics. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3440-3451.	1.6	12
126	Primordial non-Gaussianity from a joint analysis of the cosmic microwave background temperature and polarization. Monthly Notices of the Royal Astronomical Society, 2011, 410, 1295-1319.	1.6	11



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127	The bias of weighted dark matter haloes from peak theory. Monthly Notices of the Royal Astronomical Society, 2014, 443, 122-137.	1.6	11
128	Generalized Fisher matrices. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1687-1693.	1.6	11
129	On the accuracy and precision of correlation functions and field-level inference in cosmology. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 506, L85-L90.	1.2	11
130	The integrated angular bispectrum of weak lensing. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 055.	1.9	10
131	Kernel-based emulator for the 3D matter power spectrum from CLASS. Astronomy and Computing, 2021, 38, 100508.	0.8	10
132	The gravitational collapse of triaxial protoclusters. Monthly Notices of the Royal Astronomical Society, 1986, 220, 189-202.	1.6	9
133	Exact hierarchical clustering in one dimension. Monthly Notices of the Royal Astronomical Society, 1991, 250, 458-476.	1.6	9
134	Cosmological streaming velocities and large-scale density maxima. Monthly Notices of the Royal Astronomical Society, 1987, 229, 469-483.	1.6	8
135	The double quasar Q2138 – 431: lensing by a dark galaxy?. Monthly Notices of the Royal Astronomical Society, 1997, 291, 811-818.	1.6	8
136	The star formation histories of elliptical galaxies across the Fundamental Plane. Monthly Notices of the Royal Astronomical Society, 2007, 375, 371-380.	1.6	7
137	Secondary anisotropies in CMB, skew-spectra and Minkowski Functionals. Monthly Notices of the Royal Astronomical Society, 2013, 428, 2628-2644.	1.6	7
138	Generalisations of Fisher Matrices. Entropy, 2016, 18, 236.	1.1	7
139	Perfectly parallel cosmological simulations using spatial comoving Lagrangian acceleration. Astronomy and Astrophysics, 2020, 639, A91.	2.1	7
140	Fast sampling from Wiener posteriors for image data with dataflow engines. Astronomy and Computing, 2018, 25, 230-237.	0.8	6
141	Quantum coherence of photons to cosmological distances. Physical Review D, 2021, 104, .	1.6	6
142	Large-scale structure in the Universe. Monthly Notices of the Royal Astronomical Society, 1985, 213, 143-155.	1.6	5
143	Adiabatic versus isocurvature non-Gaussianity. Monthly Notices of the Royal Astronomical Society, 2010, , .	1.6	5
144	Mapping weak lensing distortions in the Kerr metric. Physical Review D, 2017, 95, .	1.6	5

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145	The gravitational and lensing-ISW bispectrum of 21 cm radiation. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4259-4275.	1.6	5
146	Great Attractors and the value of $\omega_m$ . Monthly Notices of the Royal Astronomical Society, 1991, 251, 267-280.	1.6	4
147	The Kaiser-Rocket effect: three decades and counting. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 027.	1.9	4
148	Large-scale periodicity: problems with cellular models. Monthly Notices of the Royal Astronomical Society, 1991, 252, 43P-46P.	1.6	3
149	The bispectrum of MAXIMA. New Astronomy Reviews, 2003, 47, 815-820.	5.2	3
150	Reionization and CMB non-Gaussianity. Monthly Notices of the Royal Astronomical Society, 2014, 442, 3427-3442.	1.6	3
151	Gaussian mixture models for blended photometric redshifts. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3966-3986.	1.6	3
152	Cosmology with Gravitational Lensing. Astrophysics and Space Science Library, 2011, , 177-216.	1.0	1
153	Cosmological Streaming Velocities & Large-Scale Density Maxima. Symposium - International Astronomical Union, 1988, 130, 551-551.	0.1	0
154	Explosions in pancake models of galaxy formation. Symposium - International Astronomical Union, 1988, 130, 583-583.	0.1	0
155	Analyzing the Cosmological Velocity Potential. Annals of the New York Academy of Sciences, 1991, 647, 701-706.	1.8	0
156	The correlation between bulk and shell velocities in cosmology. Monthly Notices of the Royal Astronomical Society, 1996, 279, 1303-1309.	1.6	0
157	Redshift surveys. Astronomy and Geophysics, 2004, 45, 2.35-2.36.	0.1	0
158	Geometry of the Universe. Nature, 2010, 468, 511-512.	13.7	0
159	Weak gravitational lensing, dark energy and modified gravity. , 0, , 279-318.		0
160	The Star-formation History of the Universe. American Scientist, 2005, 93, 36.	0.1	0
161	Bayesian hierarchical modelling of weak lensing: The golden goal. , 2017, , .		0