

Andrew R Liddle

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

239 papers	17,403 citations	63 h-index	126 g-index
247 ext. papers	18,478 ext. citations	5.4 avg, IF	6.79 L-index

#	Paper	IF	Citations
239	Cosmological Inflation and Large-Scale Structure 2000 ,		1173
238	Exponential potentials and cosmological scaling solutions. <i>Physical Review D</i> , 1998 , 57, 4686-4690	4.9	909
237	False vacuum inflation with Einstein gravity. <i>Physical Review D</i> , 1994 , 49, 6410-6433	4.9	788
236	Reconstructing the inflaton potential—an overview. <i>Reviews of Modern Physics</i> , 1997 , 69, 373-410	40.5	640
235	The cold dark matter density perturbation. <i>Physics Reports</i> , 1993 , 231, 1-105	27.7	578
234	New approach to the evolution of cosmological perturbations on large scales. <i>Physical Review D</i> , 2000 , 62,	4.9	546
233	Information criteria for astrophysical model selection. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2007 , 377, L74-L78	4.3	494
232	Classification of scalar field potentials with cosmological scaling solutions. <i>Physical Review D</i> , 1998 , 59,	4.9	464
231	Formalizing the slow-roll approximation in inflation. <i>Physical Review D</i> , 1994 , 50, 7222-7232	4.9	445
230	The Primordial Density Perturbation: Cosmology, Inflation and the Origin of Structure 2009 ,		378
229	How long before the end of inflation were observable perturbations produced?. <i>Physical Review D</i> , 2003 , 68,	4.9	362
228	Assisted inflation. <i>Physical Review D</i> , 1998 , 58,	4.9	349
227	The Dark Energy Survey: Data Release 1. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 239, 18	8	313
226	COBE, gravitational waves, inflation and extended inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 291, 391-398	4.2	310
225	How many cosmological parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 351, L49-L53	4.3	302
224	The cluster abundance in flat and open cosmologies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996 , 281, 323-332	4.3	286
223	Probing Inflation with CMB Polarization 2009 ,		236

222	A Nested Sampling Algorithm for Cosmological Model Selection. <i>Astrophysical Journal</i> , 2006 , 638, L51-L54	4.7	209
221	The dearth of halo dwarf galaxies: is there power on short scales?. <i>Physical Review Letters</i> , 2000 , 84, 4525-8	4.8	190
220	Constraints on the density perturbation spectrum from primordial black holes. <i>Physical Review D</i> , 1997 , 56, 6166-6174	4.9	159
219	Perturbation spectra from intermediate inflation. <i>Physical Review D</i> , 1993 , 47, R5219-R5223	4.9	154
218	Steep inflation: Ending braneworld inflation by gravitational particle production. <i>Physical Review D</i> , 2001 , 64,	4.9	151
217	The XMM Cluster Survey: A Massive Galaxy Cluster at $z = 1.45$. <i>Astrophysical Journal</i> , 2006 , 646, L13-L16	4.7	146
216	Cosmological parameter estimation and the inflationary cosmology. <i>Physical Review D</i> , 2002 , 66,	4.9	144
215	Reconstructing the inflaton potential: In principle and in practice. <i>Physical Review D</i> , 1993 , 48, 2529-2547	4.9	140
214	Dark Energy Survey Year 1 Results: A Precise H_0 Estimate from DES Y1, BAO, and D/H Data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 3879-3888	4.3	136
213	A Serendipitous Galaxy Cluster Survey with XMM: Expected Catalog Properties and Scientific Applications. <i>Astrophysical Journal</i> , 2001 , 547, 594-608	4.7	130
212	A new view of k-essence. <i>Physical Review D</i> , 2003 , 67,	4.9	129
211	Early assembly of the most massive galaxies. <i>Nature</i> , 2009 , 458, 603-6	50.4	128
210	THE STRUCTURE AND FORMATION OF BOSON STARS. <i>International Journal of Modern Physics D</i> , 1992 , 01, 101-143	2.2	128
209	Enhancement of superhorizon scale inflationary curvature perturbations. <i>Physical Review D</i> , 2001 , 64,	4.9	127
208	The cosmology of black hole relics. <i>Physical Review D</i> , 1992 , 46, 645-657	4.9	123
207	The XMM Cluster Survey: optical analysis methodology and the first data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 423, 1024-1052	4.3	115
206	Four-year COBE normalization of inflationary cosmologies. <i>Physical Review D</i> , 1996 , 54, R5917-R5921	4.9	113
205	Hydrodynamical simulations of the Sunyaev-Zel'dovich effect: cluster scaling relations and X-ray properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 348, 1401-1408	4.3	107

204	THEXMMCLUSTER SURVEY: ACTIVE GALACTIC NUCLEI AND STARBURST GALAXIES IN XMMXCS J2215.9-1738 ATz= 1.46. <i>Astrophysical Journal</i> , 2010 , 718, 133-147	4.7	103
203	Constraining slow-roll inflation with WMAP and 2dF. <i>Physical Review D</i> , 2003 , 68,	4.9	102
202	New calculation of the mass fraction of primordial black holes. <i>Physical Review D</i> , 2004 , 70,	4.9	100
201	Inflationary perturbations near horizon crossing. <i>Physical Review D</i> , 2001 , 63,	4.9	100
200	Simplest curvaton model. <i>Physical Review D</i> , 2002 , 65,	4.9	100
199	Exponential Potentials, Scaling Solutions and Inflation. <i>Annals of the New York Academy of Sciences</i> , 1993 , 688, 647-52	6.5	96
198	THEXMMCLUSTER SURVEY: THE BUILD-UP OF STELLAR MASS IN BRIGHTEST CLUSTER GALAXIES AT HIGH REDSHIFT. <i>Astrophysical Journal</i> , 2010 , 718, 23-30	4.7	94
197	k-essence and the coincidence problem. <i>Physical Review D</i> , 2003 , 68,	4.9	91
196	Hydrodynamical simulations of the Sunyaev-Zel'dovich effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000 , 317, 37-44	4.3	89
195	Constraining the Matter Power Spectrum Normalization Using the Sloan Digital Sky Survey/[ITAL]ROSAT/[ITAL] All-Sky Survey and REFLEX Cluster Surveys. <i>Astrophysical Journal</i> , 2002 , 569, L75-L78	4.7	87
194	Intermediate inflation in light of the three-year WMAP observations. <i>Physical Review D</i> , 2006 , 74,	4.9	83
193	Cold dark matter models with a cosmological constant. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996 , 282, 281-290	4.3	81
192	Inflation, dark matter, and dark energy in the string landscape. <i>Physical Review Letters</i> , 2006 , 97, 161301	7.4	79
191	Power-law inflation with exponential potentials. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 220, 502-508	4.2	78
190	Bayesian model selection analysis of WMAP3. <i>Physical Review D</i> , 2006 , 73,	4.9	76
189	Observing the inflaton potential. <i>Physical Review Letters</i> , 1993 , 71, 219-222	7.4	74
188	THEXMMCLUSTER SURVEY: GALAXY MORPHOLOGIES AND THE COLOR-MAGNITUDE RELATION IN XMMXCS J2215.9-1738 ATz= 1.46. <i>Astrophysical Journal</i> , 2009 , 697, 436-451	4.7	72
187	Present and future evidence for evolving dark energy. <i>Physical Review D</i> , 2006 , 74,	4.9	69

186	Baryogenesis in extended inflation. II. Baryogenesis via primordial black holes. <i>Physical Review D</i> , 1991 , 43, 984-994	4.9	69
185	The evolution of clusters in the CLEF cosmological simulation: X-ray structural and scaling properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007 , 377, 317-334	4.3	66
184	Structure formation constraints on the Jordan-Brans-Dicke theory. <i>Physical Review D</i> , 2005 , 71,	4.9	66
183	Tachyon dark energy models: Dynamics and constraints. <i>Physical Review D</i> , 2006 , 74,	4.9	66
182	Bayesian model selection and isocurvature perturbations. <i>Physical Review D</i> , 2005 , 71,	4.9	66
181	Direct reconstruction of the quintessence potential. <i>Physical Review D</i> , 2005 , 72,	4.9	65
180	Super-horizon perturbations and preheating. <i>Physical Review D</i> , 2000 , 61,	4.9	65
179	Perturbation evolution in cosmologies with a decaying cosmological constant. <i>Physical Review D</i> , 1998 , 57, 674-684	4.9	65
178	Reconstructing the inflaton potential: Perturbative reconstruction to second order. <i>Physical Review D</i> , 1994 , 49, 1840-1844	4.9	64
177	Inflationary flow equations. <i>Physical Review D</i> , 2003 , 68,	4.9	63
176	Sunyaev-Zeldovich clusters in Millennium gas simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 422, 1999-2023	4.3	61
175	The XMM Cluster Survey: the interplay between the brightest cluster galaxy and the intracluster medium via AGN feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 422, 2213-2229	4.3	60
174	Oscillations in the inflaton potential?. <i>Physical Review D</i> , 2009 , 79,	4.9	60
173	Hyperextended inflation: Dynamics and constraints. <i>Physical Review D</i> , 1992 , 45, 2665-2673	4.9	60
172	The XMM Cluster Survey: testing chameleon gravity using the profiles of clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 452, 1171-1183	4.3	59
171	The XMM Cluster Survey: X-ray analysis methodology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 418, 14-53	4.3	59
170	Black hole constraints on the running-mass inflation model. <i>Physical Review D</i> , 2000 , 62,	4.9	59
169	Constraints on braneworld inflation from CMB anisotropies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2004 , 2004, 001-001	6.4	57

168	N-flation: Multifield inflationary dynamics and perturbations. <i>Physical Review D</i> , 2006 , 74,	4.9	54
167	Curvaton reheating: An application to braneworld inflation. <i>Physical Review D</i> , 2003 , 68,	4.9	54
166	Quintessence reconstructed: New constraints and tracker viability. <i>Physical Review D</i> , 2007 , 75,	4.9	53
165	Primordial black holes in braneworld cosmologies: Formation, cosmological evolution, and evaporation. <i>Physical Review D</i> , 2002 , 66,	4.9	52
164	The Impact of Cooling and Preheating on the Sunyaev-Zeldovich Effect. <i>Astrophysical Journal</i> , 2001 , 561, L15-L18	4.7	50
163	Combined boson-fermion stars: Configurations and stability. <i>Nuclear Physics B</i> , 1990 , 337, 737-761	2.8	50
162	Radiation-matter transition in Jordan-Brans-Dicke theory. <i>Physical Review D</i> , 1998 , 58,	4.9	49
161	The inflationary energy scale. <i>Physical Review D</i> , 1994 , 49, 739-747	4.9	49
160	Cosmic microwave background anomalies in an open universe. <i>Physical Review Letters</i> , 2013 , 111, 111302.	4.4	48
159	The XMM Cluster Survey: forecasting cosmological and cluster scaling-relation parameter constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 397, 577-607	4.3	48
158	N-flation: Non-Gaussianity in the horizon-crossing approximation. <i>Physical Review D</i> , 2006 , 74,	4.9	48
157	Model selection as a science driver for dark energy surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 369, 1725-1734	4.3	48
156	Primordial black holes in braneworld cosmologies: Accretion after formation. <i>Physical Review D</i> , 2002 , 66,	4.9	47
155	Second-order reconstruction of the inflationary potential. <i>Physical Review D</i> , 1994 , 50, 758-768	4.9	47
154	Cosmic microwave anisotropies from BPS semilocal strings. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008 , 2008, 010	6.4	46
153	On what scale should inflationary observables be constrained?. <i>Physical Review D</i> , 2007 , 75,	4.9	45
152	Combined boson-fermion stars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 233, 99-106	4.2	45
151	Can topological defects mimic the BICEP2 B-mode signal?. <i>Physical Review Letters</i> , 2014 , 112, 171301	7.4	44

150	TheXMMCluster Survey: The Dynamical State of XMMXCS J2215.9-738 at $z=1.457$. <i>Astrophysical Journal</i> , 2007 , 670, 1000-1009	4.7	44
149	Model selection in cosmology. <i>Astronomy and Geophysics</i> , 2006 , 47, 4.30-4.33	0.2	44
148	Perturbations in cosmologies with a scalar field and a perfect fluid. <i>Physical Review D</i> , 2004 , 70,	4.9	44
147	Non-Gaussianity in axion N-flation models. <i>Physical Review Letters</i> , 2010 , 105, 181302	7.4	43
146	Critical collapse and the primordial black hole initial mass function. <i>Physical Review D</i> , 1999 , 60,	4.9	42
145	THEXMMCLUSTER SURVEY: THE STELLAR MASS ASSEMBLY OF FOSSIL GALAXIES. <i>Astrophysical Journal</i> , 2012 , 752, 12	4.7	42
144	Exploring a string-like landscape. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011 , 2011, 026-026	6.4	41
143	The gravitational redshift of boson stars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 404, 25-32	4.2	41
142	Initial conditions for hybrid inflation. <i>Physical Review D</i> , 2000 , 62,	4.9	41
141	GALAXIES IN X-RAY SELECTED CLUSTERS AND GROUPS IN DARK ENERGY SURVEY DATA. I. STELLAR MASS GROWTH OF BRIGHT CENTRAL GALAXIES SINCE $z \sim 1.2$. <i>Astrophysical Journal</i> , 2016 , 816, 98	4.7	39
140	Observational constraints on braneworld chaotic inflation. <i>Physical Review D</i> , 2003 , 68,	4.9	39
139	Triple unification of inflation, dark matter, and dark energy using a single field. <i>Physical Review D</i> , 2008 , 77,	4.9	38
138	Pursuing parameters for critical-density dark matter models. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996 , 281, 531-551	4.3	37
137	Inflationary potentials yielding constant scalar perturbation spectral indices. <i>Physical Review D</i> , 2004 , 69,	4.9	37
136	Accurate determination of inflationary perturbations. <i>Physical Review D</i> , 1996 , 54, 7191-7198	4.9	36
135	Extended inflation with a curvature-coupled inflaton. <i>Physical Review D</i> , 1994 , 49, 1827-1839	4.9	36
134	Multifield consequences for D-brane inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012 , 2012, 020-020	6.4	35
133	Cold dark matter models with high baryon content. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996 , 283, 107-118	4.3	35

132	Multi-field inflation with random potentials: field dimension, feature scale and non-Gaussianity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012 , 2012, 039-039	6.4	34
131	Dynamics of assisted quintessence. <i>Physical Review D</i> , 2005 , 72,	4.9	34
130	Cosmological perturbations and the reionization epoch. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 348, 105-110	4.3	34
129	Supermassive black holes in scalar field galaxy halos. <i>Physical Review D</i> , 2002 , 66,	4.9	34
128	Cosmic microwave background constraints on the epoch of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999 , 308, 854-862	4.3	34
127	Statistical Methods for Cosmological Parameter Selection and Estimation. <i>Annual Review of Nuclear and Particle Science</i> , 2009 , 59, 95-114	15.7	33
126	Hydrodynamical simulations of the Sunyaev-Zel'dovich effect: the kinetic effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 326, 155-163	4.3	33
125	Unified dark energy and dark matter from a scalar field different from quintessence. <i>Physical Review D</i> , 2010 , 81,	4.9	32
124	Can simulations reproduce the observed temperature-mass relation for clusters of galaxies?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002 , 330, L48-L52	4.3	32
123	Microwave background constraints on inflationary parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003 , 341, 1151-1156	4.3	32
122	Initial conditions for quintessence after inflation. <i>Physical Review D</i> , 2002 , 66,	4.9	32
121	Constraining the dark fluid. <i>Physical Review D</i> , 2009 , 80,	4.9	31
120	Inflaton potential reconstruction in the braneworld scenario. <i>Physical Review D</i> , 2002 , 65,	4.9	31
119	Gravitational memory of boson stars. <i>Physical Review D</i> , 1998 , 57, 4821-4825	4.9	31
118	Open universe Grishchuk-Zel'dovich effect. <i>Physical Review D</i> , 1995 , 52, 6750-6759	4.9	31
117	Dynamics and perturbations in assisted chaotic inflation. <i>Physical Review D</i> , 2000 , 61,	4.9	30
116	Brans - Dicke boson stars: configurations and stability through cosmic history. <i>Classical and Quantum Gravity</i> , 1998 , 15, 3701-3718	3.3	30
115	Inflaton potential reconstruction without slow roll. <i>Physical Review D</i> , 2000 , 61,	4.9	29

114	Inflation during oscillations of the inflaton. <i>Physical Review D</i> , 1998 , 58,	4.9	29
113	Primordial black holes in braneworld cosmologies: Astrophysical constraints. <i>Physical Review D</i> , 2003 , 68,	4.9	28
112	Formation Rate of Semilocal Strings. <i>Physical Review Letters</i> , 1999 , 82, 3742-3745	7.4	28
111	Detecting and distinguishing topological defects in future data from the CMBPol satellite. <i>Physical Review D</i> , 2011 , 83,	4.9	27
110	The power spectrum amplitude from clusters revisited: Ω_B using simulations with pre-heating and cooling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003 , 346, 319-326	4.3	27
109	Black holes and gravitational waves in string cosmology. <i>Physical Review D</i> , 1998 , 58,	4.9	27
108	Constraining topological defects with temperature and polarization anisotropies. <i>Physical Review D</i> , 2014 , 90,	4.9	26
107	Cosmological constraints from primordial black holes. <i>Physics Reports</i> , 1998 , 307, 125-131	27.7	26
106	Degeneracy between primordial tensor modes and cosmic strings in future CMB data from the Planck satellite. <i>Physical Review D</i> , 2008 , 77,	4.9	26
105	Cosmic microwave background multipole alignments in slab topologies. <i>Physical Review D</i> , 2006 , 73,	4.9	26
104	The XMMCluster Survey: evidence for energy injection at high redshift from evolution of the X-ray luminosity-temperature relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 424, 2086-2098	4.3	25
103	Comprehensive analysis of the simplest curvaton model. <i>Physical Review D</i> , 2014 , 90,	4.9	25
102	Model selection forecasts for the spectral index from the Planck satellite. <i>Physical Review D</i> , 2006 , 73,	4.9	25
101	Inflationary slow-roll formalism and perturbations in the Randall-Sundrum type II braneworld. <i>Physical Review D</i> , 2004 , 69,	4.9	25
100	AN EVOLUTIONARY PARADIGM FOR DUSTY ACTIVE GALAXIES AT LOW REDSHIFT. <i>Astrophysical Journal</i> , 2009 , 700, 395-416	4.7	24
99	Structure formation from power law (and extended) inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 279, 244-249	4.2	24
98	Primordial black hole constraints in cosmologies with early matter domination. <i>Physical Review D</i> , 1997 , 56, 7559-7565	4.9	23
97	Sunyaev-Zel'dovich predictions for the Planck Surveyor satellite using the Hubble Volume simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 325, 835-844	4.3	23

96	Evolution of large-scale perturbations in quintessence models. <i>Physical Review D</i> , 2002 , 66,	4.9	23
95	On the reliability of inflaton potential reconstruction. <i>Physical Review D</i> , 1998 , 58,	4.9	23
94	Stability of boson-fermion stars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 251, 511-516	4.2	23
93	Observational constraints on K-inflation models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012 , 2012, 011-011	6.4	21
92	Perturbation amplitude in isocurvature inflation scenarios. <i>Physical Review D</i> , 2000 , 61,	4.9	21
91	Can the gravitational wave background from inflation be detected locally?. <i>Physical Review D</i> , 1994 , 49, 3805-3809	4.9	21
90	Cosmology of minimal varying Lambda theories. <i>Physical Review D</i> , 2019 , 100,	4.9	20
89	WMAP normalization of inflationary cosmologies. <i>Physical Review D</i> , 2006 , 74,	4.9	20
88	Conditions for successful extended inflation. <i>Physical Review D</i> , 1996 , 54, 2557-2563	4.9	20
87	Baryogenesis in extended inflation. I. Baryogenesis via production and decay of supermassive bosons. <i>Physical Review D</i> , 1991 , 43, 977-983	4.9	20
86	Observational constraints on thawing quintessence models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 395, 1585-1590	4.3	19
85	False vacuum inflation with a quartic potential. <i>Physical Review D</i> , 1995 , 51, 4122-4128	4.9	19
84	Neutron stars and extra dimensions. <i>Classical and Quantum Gravity</i> , 1990 , 7, 1009-1021	3.3	19
83	A separate universe view of the asymmetric sky. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015 , 2015, 029-029	6.4	18
82	Stability of multifield cosmological solutions. <i>Physical Review D</i> , 2008 , 77,	4.9	18
81	N-flation: Observable predictions from the random matrix mass spectrum. <i>Physical Review D</i> , 2007 , 76,	4.9	18
80	Initial conditions for global texture. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 258, 310-317	4.2	18
79	Observational constraints on Tachyon and DBI inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014 , 2014, 044-044	6.4	17

78	Can Inflation be Falsified?. <i>General Relativity and Gravitation</i> , 1997 , 29, 1503-1510	2.3	17
77	Stochastic approaches to inflation model building. <i>Physical Review D</i> , 2005 , 71,	4.9	17
76	Open inflationary universes in the induced gravity theory. <i>Physical Review D</i> , 1997 , 55, 609-615	4.9	16
75	The Sunyaev-Zel'dovich temperature of the intracluster medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 386, 2110-2114	4.3	16
74	Consistency equation hierarchy in single-field inflation models. <i>Physical Review D</i> , 2006 , 73,	4.9	16
73	Acceleration of the Universe. <i>New Astronomy Reviews</i> , 2001 , 45, 235-253	7.9	16
72	The evolution and persistence of dumbbells. <i>Journal of High Energy Physics</i> , 2002 , 2002, 033-033	5.4	16
71	Inflation as the unique causal mechanism for generating density perturbations on scales well above the Hubble radius. <i>Physical Review D</i> , 1995 , 51, R5347-R5351	4.9	16
70	Zero-parameter extension of general relativity with a varying cosmological constant. <i>Physical Review D</i> , 2019 , 100,	4.9	15
69	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	4.3	15
68	When can the Planck satellite measure spectral index running?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007 , 381, 489-493	4.3	15
67	Cosmological parameter estimation and the spectral index from inflation. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998 , 298, 1233-1238	4.3	15
66	The cosmological formation of boson stars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 251, 507-510	4.2	15
65	Non-Gaussianity in axion N-flation models: Detailed predictions and mass spectra. <i>Physical Review D</i> , 2012 , 85,	4.9	14
64	The lepton asymmetry: the last chance for a critical-density cosmology?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 327, 1307-1312	4.3	14
63	Testing gravity on cosmological scales with cosmic shear, cosmic microwave background anisotropies, and redshift-space distortions. <i>Physical Review D</i> , 2019 , 99,	4.9	13
62	Bayesian model averaging in astrophysics: a review. <i>Statistical Analysis and Data Mining</i> , 2013 , 6, 3-14	1.4	13
61	From the production of primordial perturbations to the end of inflation. <i>Physical Review D</i> , 2004 , 69,	4.9	13

60	Semilocal string formation in two dimensions. <i>Physical Review D</i> , 1998 , 57, 3742-3748	4.9	13
59	Texture-induced microwave background anisotropies. <i>Physical Review D</i> , 1994 , 50, 2469-2478	4.9	13
58	Unification models with reheating via primordial black holes. <i>Physical Review D</i> , 2012 , 85,	4.9	12
57	Complete power spectrum for an induced gravity open inflation model. <i>Physical Review D</i> , 1997 , 55, 4603-4613	4.9	11
56	Planck satellite constraints on pseudo-Nambu-Goldstone boson quintessence. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017 , 2017, 023-023	6.4	10
55	Linear perturbations in viable $f(R)$ theories. <i>Physical Review D</i> , 2013 , 88,	4.9	10
54	Designing decisive detections. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 414, 2337-2344	4.3	10
53	Dark energy view of inflation. <i>Physical Review D</i> , 2010 , 81,	4.9	10
52	Application of Bayesian model averaging to measurements of the primordial power spectrum. <i>Physical Review D</i> , 2010 , 82,	4.9	10
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