

# Alessandro Melchiorri

## List of Publications by Year in descending order

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242  
papers

18,195  
citations

13827

67  
h-index

14156

128  
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243  
all docs

243  
docs citations

243  
times ranked

6507  
citing authors

#	ARTICLE	IF	CITATIONS
1	A flat Universe from high-resolution maps of the cosmic microwave background radiation. <i>Nature</i> , 2000, 404, 955-959.	13.7	2,232
2	Joint Analysis of BICEP2/Keck Array and Planck Data. <i>Physical Review Letters</i> , 2015, 114, 101301.	2.9	819
3	In the realm of the Hubble tension—a review of solutions <sup>*</sup> . <i>Classical and Quantum Gravity</i> , 2021, 38, 153001.	1.5	816
4	A Measurement by BOOMERANG of Multiple Peaks in the Angular Power Spectrum of the Cosmic Microwave Background. <i>Astrophysical Journal</i> , 2002, 571, 604-614.	1.6	751
5	Cosmology from MAXIMA-1, BOOMERANG, and COBE DMR Cosmic Microwave Background Observations. <i>Physical Review Letters</i> , 2001, 86, 3475-3479.	2.9	433
6	The state of the dark energy equation of state. <i>Physical Review D</i> , 2003, 68, .	1.6	367
7	Planck evidence for a closed Universe and a possible crisis for cosmology. <i>Nature Astronomy</i> , 2020, 4, 196-203.	4.2	363
8	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. <i>Journal of High Energy Astrophysics</i> , 2022, 34, 49-211.	2.4	350
9	Multiple Peaks in the Angular Power Spectrum of the Cosmic Microwave Background: Significance and Consequences for Cosmology. <i>Astrophysical Journal</i> , 2002, 564, 559-566.	1.6	283
10	Reconciling Planck with the local value of $H_0$ in extended parameter space. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 761, 242-246.	1.5	279
11	Planck 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A19.	2.1	273
12	Can interacting dark energy solve the $H_0$ tension?. <i>Physical Review D</i> , 2017, 96, .	1.6	268
13	Probing Inflation with CMB Polarization. , 2009, , .		252
14	CMB constraints on dark matter models with large annihilation cross section. <i>Physical Review D</i> , 2009, 80, .	1.6	250
15	Global constraints on absolute neutrino masses and their ordering. <i>Physical Review D</i> , 2017, 95, .	1.6	245
16	Large scale structure as a probe of gravitational slip. <i>Physical Review D</i> , 2008, 77, .	1.6	230
17	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. <i>Astroparticle Physics</i> , 2021, 131, 102605.	1.9	228
18	Indications of a Late-Time Interaction in the Dark Sector. <i>Physical Review Letters</i> , 2014, 113, 181301.	2.9	225

#	ARTICLE	IF	CITATIONS
19	A Measurement of the CMB $\Lambda$ CDM Spectrum from the 2003 Flight of BOOMERANG. <i>Astrophysical Journal</i> , 2006, 647, 813-822.	1.6	217
20	Nonminimal dark sector physics and cosmological tensions. <i>Physical Review D</i> , 2020, 101, .	1.6	211
21	A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. <i>Astrophysical Journal</i> , 2006, 647, 823-832.	1.6	186
22	Interacting dark energy in the early 2020s: A promising solution to the $H_0$ and cosmic shear tensions. <i>Physics of the Dark Universe</i> , 2020, 30, 100666.	1.8	184
23	Cosmology intertwined III. $S_8$ and $\sigma_8$ . <i>Astroparticle Physics</i> , 2021, 131, 102604.	1.9	182
24	A Measurement of $\Omega_m$ from the North American Test Flight of Boomerang. <i>Astrophysical Journal</i> , 2000, 536, L63-L66.	1.6	169
25	Cosmological Parameters from the 2003 Flight of BOOMERANG. <i>Astrophysical Journal</i> , 2006, 647, 799-812.	1.6	159
26	Early-universe constraints on dark energy. <i>Physical Review D</i> , 2001, 64, .	1.6	154
27	Inflation model constraints from the Wilkinson Microwave Anisotropy Probe three-year data. <i>Physical Review D</i> , 2006, 74, .	1.6	150
28	Constraining dark energy dynamics in extended parameter space. <i>Physical Review D</i> , 2017, 96, .	1.6	149
29	Updated CMB constraints on dark matter annihilation cross sections. <i>Physical Review D</i> , 2011, 84, .	1.6	144
30	Planck 2013 results. XIII. Galactic CO emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A13.	2.1	144
31	Cosmic structure formation with topological defects. <i>Physics Reports</i> , 2002, 364, 1-81.	10.3	143
32	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 006-006.	1.9	138
33	Cosmic microwave weak lensing data as a test for the dark universe. <i>Physical Review D</i> , 2008, 77, .	1.6	134
34	Inflation and WMAP three year data: Features are still present. <i>Physical Review D</i> , 2006, 74, .	1.6	128
35	Measurement of a Peak in the Cosmic Microwave Background Power Spectrum from the North American Test Flight of Boomerang. <i>Astrophysical Journal</i> , 2000, 536, L59-L62.	1.6	126
36	Constraints on a new post-general relativity cosmological parameter. <i>Physical Review D</i> , 2007, 76, .	1.6	126

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37	A Measurement of the Polarization-temperature Angular Cross-power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. <i>Astrophysical Journal</i> , 2006, 647, 833-839.	1.6	123
38	Vacuum phase transition solves the $H^2 > 0$ tension. <i>Physical Review D</i> , 2018, 97, .	1.6	119
39	Case for dark radiation. <i>Physical Review D</i> , 2011, 84, .	1.6	118
40	Cosmological and astrophysical neutrino mass measurements. <i>Astroparticle Physics</i> , 2011, 35, 177-184.	1.9	108
41	New constraints on oscillations in the primordial spectrum of inflationary perturbations. <i>Physical Review D</i> , 2007, 76, .	1.6	107
42	Constraining dark energy with cross-correlated CMB and large scale structure data. <i>Physical Review D</i> , 2005, 71, .	1.6	105
43	Unfinished fabric of the three neutrino paradigm. <i>Physical Review D</i> , 2021, 104, .	1.6	103
44	Constraining neutrino physics with big bang nucleosynthesis and cosmic microwave background radiation. <i>Physical Review D</i> , 2001, 65, .	1.6	102
45	Improved Measurement of the Angular Power Spectrum of Temperature Anisotropy in the Cosmic Microwave Background from Two New Analyses of BOOMERANG Observations. <i>Astrophysical Journal</i> , 2003, 599, 786-805.	1.6	102
46	Cosmological bounds on dark-matter-neutrino interactions. <i>Physical Review D</i> , 2006, 74, .	1.6	101
47	Current constraints on the dark energy equation of state. <i>Physical Review D</i> , 2002, 65, .	1.6	100
48	Investigating Cosmic Discordance. <i>Astrophysical Journal Letters</i> , 2021, 908, L9.	3.0	96
49	Black hole formation and slow-roll inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 038.	1.9	95
50	Exploring the dark energy redshift desert with the Sandage-Loeb test. <i>Physical Review D</i> , 2007, 75, .	1.6	91
51	The impact of an extra background of relativistic particles on the cosmological parameters derived from the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 334, 760-768.	1.6	84
52	Beyond six parameters: Extending $\lambda$ -CDM. <i>Physical Review D</i> , 2015, 92, .	1.6	83
53	Cosmological constraints in extended parameter space from the Planck 2018 Legacy release. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 013-013.	1.9	83
54	Constraints on massive sterile neutrino species from current and future cosmological data. <i>Physical Review D</i> , 2011, 83, .	1.6	82

#	ARTICLE	IF	CITATIONS
55	Cosmological axion and neutrino mass constraints from Planck 2015 temperature and polarization data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 752, 182-185.	1.5	79
56	New constraints on the reheating temperature of the universe after WMAP-5. <i>Astroparticle Physics</i> , 2008, 30, 192-195.	1.9	77
57	Limits on dark radiation, early dark energy, and relativistic degrees of freedom. <i>Physical Review D</i> , 2011, 83, .	1.6	77
58	The galaxy power spectrum take on spatial curvature and cosmic concordance. <i>Physics of the Dark Universe</i> , 2021, 33, 100851.	1.8	76
59	Inflationary physics from the Wilkinson Microwave Anisotropy Probe. <i>Physical Review D</i> , 2004, 69, .	1.6	75
60	New constraints on parametrised modified gravity from correlations of the CMB with large scale structure. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 030-030.	1.9	74
61	Relic neutrinos, thermal axions, and cosmology in early 2014. <i>Physical Review D</i> , 2014, 90, .	1.6	74
62	New constraints on primordial gravitational waves from Planck 2015. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 823-825.	1.5	74
63	The BOOMERanG experiment and the curvature of the universe. <i>Progress in Particle and Nuclear Physics</i> , 2002, 48, 243-261.	5.6	73
64	Analytic marginalization over CMB calibration and beam uncertainty. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 335, 1193-1200.	1.6	70
65	Constraints on neutrino-dark matter interactions from cosmic microwave background and large scale structure data. <i>Physical Review D</i> , 2010, 81, .	1.6	70
66	CONSTRAINTS ON DARK ENERGY AND DISTANCE DUALITY FROM SUNYAEVâ€™ZEL'DOVICH EFFECT AND CHANDRA X-RAY MEASUREMENTS. <i>International Journal of Modern Physics D</i> , 2006, 15, 759-766.	0.9	69
67	Sterile neutrinos in light of recent cosmological and oscillation data: a multi-flavor scheme approach. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 036-036.	1.9	68
68	Future CMB constraints on early, cold, or stressed dark energy. <i>Physical Review D</i> , 2011, 83, .	1.6	68
69	Indication for Primordial Anisotropies in the Neutrino Background from the Wilkinson Microwave Anisotropy Probe and the Sloan Digital Sky Survey. <i>Physical Review Letters</i> , 2005, 95, 011305.	2.9	66
70	No evidence for dark energy dynamics from a global analysis of cosmological data. <i>Physical Review D</i> , 2009, 80, .	1.6	65
71	Measuring $\hat{\tau}$ in the early Universe: cosmic microwave background polarization, re-ionization and the Fisher matrix analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 352, 20-38.	1.6	63
72	Present bounds on the relativistic energy density in the Universe from cosmological observables. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 006-006.	1.9	62

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73	Addendum to "Global constraints on absolute neutrino masses and their ordering", Physical Review D, 2020, 101, .	1.6	58
74	Is the cosmic microwave background circularly polarized?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 554, 1-6.	1.5	57
75	CMB polarization systematics, cosmological birefringence, and the gravitational waves background. Physical Review D, 2009, 80, .	1.6	56
76	Sterile neutrinos: Cosmology versus short-baseline experiments. Physical Review D, 2013, 87, .	1.6	55
77	Cosmic Microwave Background Temperature at Galaxy Clusters. Astrophysical Journal, 2002, 580, L101-L104.	1.6	54
78	New constraints on inflation from the cosmic microwave background. Physical Review D, 2000, 63, .	1.6	53
79	Improved cosmological bound on the thermal axion mass. Physical Review D, 2007, 76, .	1.6	53
80	A constraint on Planck-scale modifications to electrodynamics with CMB polarization data. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 021-021.	1.9	52
81	Cosmological lepton asymmetry with a nonzero mixing angle $\theta_{13}$ . Physical Review D, 2012, 86, .	1.6	52
82	Cosmological limits on neutrino unknowns versus low redshift priors. Physical Review D, 2016, 93, .	1.6	52
83	Testing $3+1$ and $3+2$ neutrino mass models with cosmology and short baseline experiments. Physical Review D, 2012, 86, .	1.6	50
84	Testing standard and degenerate big bang nucleosynthesis with BOOMERANG and MAXIMA-1. Physical Review D, 2001, 63, .	1.6	49
85	Determining the neutrino mass hierarchy with cosmology. Physical Review D, 2009, 80, .	1.6	49
86	Cosmological hints of modified gravity?. Physical Review D, 2016, 93, .	1.6	49
87	Impact of $H_0 > 0$ prior on the evidence for dark radiation. Physical Review D, 2012, 86, .	1.6	46
88	Updated constraints and forecasts on primordial tensor modes. Physical Review D, 2016, 93, .	1.6	46
89	Are domain walls ruled out?. Astroparticle Physics, 2004, 21, 443-449.	1.9	45
90	Future CMB cosmological constraints in a dark coupled universe. Physical Review D, 2010, 81, .	1.6	44

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91	Trispectrum of 21-cm background anisotropies as a probe of primordial non-Gaussianity. <i>Physical Review D</i> , 2008, 77, .	1.6	43
92	Search for Non-Gaussian Signals in the BOOMERANG Maps: Pixel-Space Analysis. <i>Astrophysical Journal</i> , 2002, 572, L27-L31.	1.6	43
93	Constraining the shape of the CMB: A peak-by-peak analysis. <i>Physical Review D</i> , 2003, 67, .	1.6	40
94	Constraining fundamental physics with future CMB experiments. <i>Physical Review D</i> , 2010, 82, .	1.6	40
95	From Cavendish to PLANCK: Constraining Newton's gravitational constant with CMB temperature and polarization anisotropy. <i>Physical Review D</i> , 2009, 80, .	1.6	39
96	Probing nuclear rates with Planck and BICEP2. <i>Physical Review D</i> , 2014, 90, .	1.6	39
97	Snowmass2021 - Letter of interest cosmology intertwined IV: The age of the universe and its curvature. <i>Astroparticle Physics</i> , 2021, 131, 102607.	1.9	39
98	Is Cosmology Compatible with Sterile Neutrinos?. <i>Physical Review Letters</i> , 2006, 97, 041301.	2.9	38
99	Latest inflation model constraints from cosmic microwave background measurements: Addendum. <i>Physical Review D</i> , 2008, 78, .	1.6	37
100	Multiparameter investigation of gravitational slip. <i>Physical Review D</i> , 2009, 80, .	1.6	37
101	Dark radiation and interacting scenarios. <i>Physical Review D</i> , 2013, 87, .	1.6	37
102	Snowmass2021 - Letter of interest cosmology intertwined I: Perspectives for the next decade. <i>Astroparticle Physics</i> , 2021, 131, 102606.	1.9	37
103	Interacting dark energy in a closed universe. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 502, L23-L28.	1.2	37
104	Testing cosmology with cosmic sound waves. <i>Physical Review D</i> , 2008, 77, .	1.6	36
105	Constraining modified gravitational theories by weak lensing with Euclid. <i>Physical Review D</i> , 2011, 83, .	1.6	35
106	2021-H <sub>0</sub> odyssey: closed, phantom and interacting dark energy cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 008.	1.9	35
107	New constraints on variations of the fine structure constant from CMB anisotropies. <i>Physical Review D</i> , 2009, 80, .	1.6	34
108	Future weak lensing constraints in a dark coupled universe. <i>Physical Review D</i> , 2011, 84, .	1.6	34

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109	Constraining variations in the fine structure constant in the presence of early dark energy. <i>Physical Review D</i> , 2011, 84, .	1.6	34
110	Dark radiation sterile neutrino candidates after Planck data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 018-018.	1.9	34
111	Testing chirality of primordial gravitational waves with Planck and future CMB data: no hope from angular power spectra. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 044-044.	1.9	34
112	$\tau$ distortions or running: A guaranteed discovery from CMB spectrometry. <i>Physical Review D</i> , 2016, 93, .	1.6	33
113	Setting new constraints on the age of the Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 327, L47-L51.	1.6	32
114	Bayesian Evidence for a cosmological constant using new high-redshift supernova data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 379, 169-175.	1.6	32
115	Interplay between curvature and Planck-scale effects in astrophysics and cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 030-030.	1.9	32
116	The Gravitational Wave Contribution to the Cosmic Microwave Background Anisotropies. <i>Astrophysical Journal</i> , 1999, 518, 562-569.	1.6	31
117	Density of cold dark matter. <i>Physical Review D</i> , 2002, 66, .	1.6	31
118	Recombining WMAP: Constraints on ionizing and resonance radiation at recombination. <i>Physical Review D</i> , 2003, 68, .	1.6	31
119	Dark radiation in extended cosmological scenarios. <i>Physical Review D</i> , 2012, 86, .	1.6	31
120	Neutrino Mass Bounds in the Era of Tension Cosmology. <i>Astrophysical Journal Letters</i> , 2022, 931, L18.	3.0	31
121	Cosmic Microwave Background Anisotropies and Extra Dimensions in String Cosmology. <i>Physical Review Letters</i> , 1999, 83, 4464-4467.	2.9	30
122	Triple Experiment Spectrum of the Sunyaev-Zel'dovich Effect in the Coma Cluster: H 0. <i>Astrophysical Journal</i> , 2003, 598, L75-L78.	1.6	30
123	Neutrino and dark radiation properties in light of recent CMB observations. <i>Physical Review D</i> , 2013, 87, .	1.6	30
124	Constraints on the running of the running of the scalar tilt from CMB anisotropies and spectral distortions. <i>Physical Review D</i> , 2016, 94, .	1.6	30
125	New cosmological bounds on hot relics: axions and neutrinos. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2703-2711.	1.6	30
126	Sterile neutrino models and nonminimal cosmologies. <i>Physical Review D</i> , 2012, 85, .	1.6	29



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127	Bayesian evidence against the Harrison-Zel'dovich spectrum in tensions with cosmological data sets. Physical Review D, 2018, 98, .	1.6	29
128	WMAP-normalized inflationary model predictions and the search for primordial gravitational waves with direct detection experiments. Physical Review D, 2006, 74, .	1.6	28
129	When did cosmic acceleration start?. Physical Review D, 2007, 76, .	1.6	28
130	Cosmological constraints on the matter equation of state. Physical Review D, 2009, 80, .	1.6	28
131	Running-mass inflation model and WMAP. Physical Review D, 2004, 70, .	1.6	27
132	CMB lensing constraints on dark energy and modified gravity scenarios. Physical Review D, 2009, 80, .	1.6	27
133	Cosmic birefringence test of the Hubble tension. Physical Review D, 2020, 101, .	1.6	27
134	Cosmic Microwave Background Anisotropy at Degree Angular Scales and the Thermal History of the Universe. Astrophysical Journal, 1997, 480, 1-5.	1.6	26
135	Non-linear corrections to the cosmological matter power spectrum and scale-dependent galaxy bias: implications for parameter estimation. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 017.	1.9	26
136	Varying couplings in the early universe: Correlated variations of $\hat{I}_{\pm}$ and $G$ . Physical Review D, 2010, 82, .	1.6	26
137	Fine structure constant and the CMB damping scale. Physical Review D, 2012, 85, .	1.6	26
138	New constraints on the dark energy equation of state. Physical Review D, 2013, 88, .	1.6	26
139	Cosmological impact of future constraints on $H_0$ from gravitational-wave standard sirens. Physical Review D, 2018, 98, .	1.6	26
140	From Anisotropy to Omega. New Astronomy Reviews, 2001, 45, 321-328.	5.2	25
141	New constraints on varying $\hat{I}_{\pm}$ . New Astronomy Reviews, 2003, 47, 863-869.	5.2	25
142	The cosmic neutrino background and the age of the Universe. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 020.	1.9	25
143	Cosmological constraints on the Hu-Sawicki modified gravity scenario. Physical Review D, 2009, 79, .	1.6	25
144	Features in the primordial spectrum: New constraints from WMAP7 and ACT data and prospects for the Planck mission. Physical Review D, 2011, 84, .	1.6	25

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145	Chaplygin gas in light of recent integrated Sachs-Wolfe effect data. <i>Classical and Quantum Gravity</i> , 2006, 23, 4125-4132.	1.5	24
146	Constraints on the early and late integrated Sachs-Wolfe effects from the Planck 2015 cosmic microwave background anisotropies in the angular power spectra. <i>Physical Review D</i> , 2015, 92, . <a href="http://www.w3.org/1998/Math/MathML" style="color: yellow;">http://www.w3.org/1998/Math/MathML</a> $H^2$	1.6	24
147	ex machina: Vacuum metamorphosis and beyond $H^2$ <a href="http://www.w3.org/1998/Math/MathML" style="color: yellow;">http://www.w3.org/1998/Math/MathML</a> $H^2$ <a href="http://www.w3.org/1998/Math/MathML" style="color: yellow;">http://www.w3.org/1998/Math/MathML</a> $H^2$ <i>Physics of the Dark Universe</i> , 2020, 30, 100733.	1.8	24
148	Cosmic Microwave Background Constraints on a Baryonic Dark Matter-dominated Universe. <i>Astrophysical Journal</i> , 2001, 553, L5-L9.	1.6	23
149	Blue gravity waves from BICEP2?. <i>Physical Review D</i> , 2014, 90, .	1.6	23
150	New constraints on the running-mass inflation model. <i>Physical Review D</i> , 2003, 67, .	1.6	22
151	Axion cold dark matter: Status after Planck and BICEP2. <i>Physical Review D</i> , 2014, 90, .	1.6	22
152	Anisotropies in the cosmic neutrino background after Wilkinson Microwave Anisotropy Probe five-year data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 013.	1.9	21
153	$H^2$ generation: Present and future constraints on neutrino masses from global analysis of cosmology and laboratory experiments. <i>Physical Review D</i> , 2016, 93, .	1.6	21
154	Constraining the dark universe. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2002, 110, 167-172.	0.5	20
155	Test of modified Newtonian dynamics with recent Boomerang data. <i>Physical Review D</i> , 2005, 72, .	1.6	20
156	Improved limit on the neutrino mass with CMB and redshift-dependent halo bias-mass relations from SDSS, DEEP2, and Lyman-break galaxies. <i>Physical Review D</i> , 2008, 78, .	1.6	20
157	BOOMERanG constraints on primordial non-Gaussianity from analytical Minkowski functionals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 1658-1665.	1.6	20
158	Planck-scale modifications to electrodynamics characterized by a spacelike symmetry-breaking vector. <i>Physical Review D</i> , 2010, 82, .	1.6	20
159	Parametrized modified gravity and the CMB bispectrum. <i>Physical Review D</i> , 2012, 86, .	1.6	20
160	Cornering the $H^2$ $H^2$ $H^2$ tension with future CMB data. <i>Physical Review D</i> , 2018, 97, .	1.6	20
161	Cosmological constraints on slow roll inflation: An update. <i>Physical Review D</i> , 2021, 104, .	1.6	20
162	Delayed recombination and cosmic parameters. <i>Physical Review D</i> , 2008, 78, .	1.6	19

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163	Harrison-Zelâ€™dovich primordial spectrum is consistent with observations. Physical Review D, 2010, 81, .	1.6	19
164	First cosmological constraints combining Planck with the recent gravitational-wave standard siren measurement of the Hubble constant. Physical Review D, 2018, 97, .	1.6	19
165	Searching for Non-Gaussian Signals in the BOOMERANG 2003 CMB Maps. Astrophysical Journal, 2007, 670, L73-L76.	1.6	18
166	Non-Gaussianity in WMAP data due to the correlation of CMB lensing potential with secondary anisotropies. Physical Review D, 2010, 81, .	1.6	18
167	Future constraints on neutrino isocurvature perturbations in the curvaton scenario. Physical Review D, 2012, 85, .	1.6	18
168	Cosmological Constraints from a Combined Analysis of the Cluster Mass Function and Microwave Background Anisotropies. Astrophysical Journal, 2003, 586, L1-L3.	1.6	17
169	Current constraints on cosmological parameters from microwave background anisotropies. Physical Review D, 2003, 67, .	1.6	16
170	The impact of neutrino masses on the determination of dark energy properties. Astroparticle Physics, 2007, 27, 406-410.	1.9	16
171	Featuring the primordial power spectrum: New constraints on interrupted slow-roll from CMB and LRG data. Physical Review D, 2013, 87, .	1.6	16
172	Cosmic Microwave Background constraints on non-minimal couplings in inflationary models with power law potentials. Physics of the Dark Universe, 2019, 24, 100297.	1.8	16
173	Cosmological constraints in the presence of ionizing and resonance radiation at recombination. Physical Review D, 2007, 75, .	1.6	15
174	Neutrino mass and mixing: 2006 status. Nuclear Physics, Section B, Proceedings Supplements, 2007, 168, 341-343.	0.5	15
175	Impact of point source clustering on cosmological parameters with CMB anisotropies. Physical Review D, 2008, 78, .	1.6	15
176	Is cosmology compatible with blue gravity waves?. Physical Review D, 2008, 77, .	1.6	15
177	What is the amplitude of the gravitational waves background expected in the Starobinsky model?. Physics of the Dark Universe, 2020, 27, 100450.	1.8	15
178	Inflationary gravity waves in light of recent cosmic microwave background anisotropies data. Physical Review D, 2003, 67, .	1.6	14
179	Impact of general reionization scenarios on extraction of inflationary parameters. Physical Review D, 2010, 82, .	1.6	14
180	Constraints on modified gravity from the Atacama Cosmology Telescope and the South Pole Telescope. Physical Review D, 2013, 87, .	1.6	14

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181	Tickling the CMB damping tail: Scrutinizing the tension between the Atacama Cosmology Telescope and South Pole Telescope experiments. <i>Physical Review D</i> , 2013, 88, .	1.6	14
182	Lensed cosmic microwave background constraints on post-general-relativity parameters. <i>Physical Review D</i> , 2009, 79, .	1.6	13
183	Delayed recombination and standard rulers. <i>Physical Review D</i> , 2009, 79, .	1.6	13
184	Small angular scale CMB anisotropies from CBI and BIMA experiments: Early universe or local structures?. <i>Physical Review D</i> , 2002, 66, .	1.6	12
185	Indirect limit on the amplitude of primordial gravitational wave background from CMB-galaxy cross correlation. <i>Physical Review D</i> , 2005, 72, .	1.6	12
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