Alessandro Melchiorri

List of Publications by Year
in descending order

242	18,195	13827 67	14156 128
papers	citations	h-index	g-index

243	243	243	6507
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Neutrino Mass Bounds in the Era of Tension Cosmology. Astrophysical Journal Letters, 2022, 931, L18.	3.0	31
3	Testing the Î›CDM paradigm with growth rate data and machine learning. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 047.	1.9	5
4	Higher-curvature corrections and tensor modes. Physical Review D, 2021, 103, .	1.6	11
5	Investigating Cosmic Discordance. Astrophysical Journal Letters, 2021, 908, L9.	3.0	96
6	Probing the inflationary background of gravitational waves from large to small scales. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136137.	1.5	8
7	New cosmological bounds on hot relics: axions and neutrinos. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2703-2711.	1.6	30
8	In the realm of the Hubble tensionâ€”a review of solutions [*]. Classical and Quantum Gravity, 2021, 38, 153001.	1.5	816
9	Snowmass2021 - Letter of interest cosmology intertwined I: Perspectives for the next decade. Astroparticle Physics, 2021, 131, 102606.	1.9	37
10	The galaxy power spectrum take on spatial curvature and cosmic concordance. Physics of the Dark Universe, 2021, 33, 100851.	1.8	76
11	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. Astroparticle Physics, 2021, 131, 102605.	1.9	228
12	Snowmass2021 - Letter of interest cosmology intertwined IV: The age of the universe and its curvature. Astroparticle Physics, 2021, 131, 102607.	1.9	39
13	Cosmology intertwined III: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:mrow><mml:mi>f</mml:mi><mml:msub><mml:mi>Ïƒ</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mr and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.svg"><mml:msub><mml:mi>S</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:math>. Astroparticle Physics, 2021, 131, 102604.	1.9	182
14	Interacting dark energy in a closed universe. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 502, L23-L28.	1.2	37
15	Unfinished fabric of the three neutrino paradigm. Physical Review D, 2021, 104, .	1.6	103
16	2021-H₀ odyssey: closed, phantom and interacting dark energy cosmologies. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 008.	1.9	35
17	Cosmological constraints on slow roll inflation: An update. Physical Review D, 2021, 104, .	1.6	20
18	Planck evidence for a closed Universe and a possible crisis for cosmology. Nature Astronomy, 2020, 4, 196-203.	4.2	363

#	Article	IF	Citations
19	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
20	Addendum to â€œGlobal constraints on absolute neutrino masses and their orderingâ€• Physical Review D, 2020, 101, .	1.6	58
21	Interacting dark energy in the early 2020s: A promising solution to the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1519" altimg="si57.svg"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>0</mml:mn></mml:mrow></m and cosmic shear tensions. Physics of the Dark Universe, 2020, 30, 100666.	1.8	184
22	Cosmic birefringence test of the Hubble tension. Physical Review D, 2020, 101, .	1.6	27
23	Cosmological constraints in extended parameter space from the Planck 2018 Legacy release. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 013-013.	1.9	83
24	Nonminimal dark sector physics and cosmological tensions. Physical Review D, 2020, 101, .	1.6	211
25	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e10468" altimg="si642.svg"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>0</mml:mn></mml:mrow> ex machina: Vacuum metamorphosis and beyond <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e10478" altimg="si642.svg"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>0</mml:mn></mml:mrow> Physics of the Dark Universe, 2020, 30, 100733.	1.8	24
26	Testing the inflationary slow-roll condition with tensor modes. Physical Review D, 2019, 99, .	1.6	10
27	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
28	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
29	Vacuum phase transition solves the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>H</mml:mi><mml:mn>0</mml:mn></mml:msub></mml:math> tension. Physical Review D, 2018, 97, .	1.6	119
30	Impact of theoretical assumptions in the determination of the neutrino effective number from future CMB measurements. Physical Review D, 2018, 97, .	1.6	8
31	Cosmological impact of future constraints on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>0</mml:mn></mml:mrow></m from gravitational-wave standard sirens. Physical Review D, 2018, 98, .	1.6	26
32	Bayesian evidence against the Harrison-Zelâ€™dovich spectrum in tensions with cosmological data sets. Physical Review D, 2018, 98, .	1.6	29
33	Cornering the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>P</mml:mi><mml:mi>l</mml:mi><mml:mi>a</mml:mi><mml:mi>n</mml:mi><mml:mi>c</mml:mi><mml:m <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>A</mml:mi><mml:mrow><mml:mi>lens</mml:mi></mml:mrow></mml:msub></mml:math> tension with future CMB data. Physical Review D, 2018, 97, .	1.6	20
34	The impact of primordial magnetic fields on future CMB bounds on inflationary gravitational waves. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 038-038.	1.9	11
35	Constraining dark energy dynamics in extended parameter space. Physical Review D, 2017, 96, .	1.6	149
36	Global constraints on absolute neutrino masses and their ordering. Physical Review D, 2017, 95, .	1.6	245

#	Article	IF	Citations
37	Global constraints on neutrino masses and their ordering. AIP Conference Proceedings, 2017, , .	0.3	0
38	Can interacting dark energy solve the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>H</mml:mi><mml:mn>0</mml:mn></mml:msub></mml:math> tension?. Physical Review D, 2017, 96, .	1.6	268
39	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A19.	2.1	273
40	Cosmological axion and neutrino mass constraints from Planck 2015 temperature and polarization data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 182-185.	1.5	79
41	New constraints on primordial gravitational waves from Planck 2015. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 823-825.	1.5	74
42	Testing chirality of primordial gravitational waves with Planck and future CMB data: no hope from angular power spectra. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 044-044.	1.9	34
43	Cosmological hints of modified gravity?. Physical Review D, 2016, 93, .	1.6	49
44	Updated constraints and forecasts on primordial tensor modes. Physical Review D, 2016, 93, .	1.6	46
45	Î¼distortions or running: A guaranteed discovery from CMB spectrometry. Physical Review D, 2016, 93, .	1.6	33
46	Cosmological limits on neutrino unknowns versus low redshift priors. Physical Review D, 2016, 93, .	1.6	52
47	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi></mml:math>generation: Present and future constraints on neutrino masses from global analysis of cosmology and laboratory experiments. Physical Review D, 2016, 93, .	1.6	21
48	Reconciling Planck with the local value of H 0 in extended parameter space. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 242-246.	1.5	279
49	Constraints on the running of the running of the scalar tilt from CMB anisotropies and spectral distortions. Physical Review D, 2016, 94, .	1.6	30
50	Constraints on the early and late integrated Sachs-Wolfe effects from the Planck 2015 cosmic microwave background anisotropies in the angular power spectra. Physical Review D, 2015, 92, .	1.6	24
51	Beyond six parameters: Extending<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">Î</mml:mi><mml:mi>CDM</mml:mi></mml:math>. Physical Review D, 2015, 92, .	1.6	83
52	Joint Analysis of BICEP2/Keck ArrayandPlanckData. Physical Review Letters, 2015, 114, 101301.	2.9	819
53	Planck2013 results. XIII. Galactic CO emission. Astronomy and Astrophysics, 2014, 571, A13.	2.1	144
54	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 006-006.	1.9	138

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55	The power spectrum of systematics in cosmic shear tomography and the bias on cosmological parameters. Monthly Notices of the Royal Astronomical Society, 2014, 439, 202-220.	1.6	10
56	Blue gravity waves from BICEP2?. Physical Review D, 2014, 90, .	1.6	23
57	Planck constraints on neutrino isocurvature density perturbations. Physical Review D, 2014, 90, .	1.6	5
58	Is Planck data consistent with primordial deuterium measurements?. Physical Review D, 2014, 90, .	1.6	1
59	Probing nuclear rates with Planck and BICEP2. Physical Review D, 2014, 90, .	1.6	39
60	Axion cold dark matter: Status after Planck and BICEP2. Physical Review D, 2014, 90, .	1.6	22
61	Indications of a Late-Time Interaction in the Dark Sector. Physical Review Letters, 2014, 113, 181301.	2.9	225
62	Relic neutrinos, thermal axions, and cosmology in early 2014. Physical Review D, 2014, 90, .	1.6	74
63	Constraints on neutrino physics from cosmology. Journal of Physics: Conference Series, 2014, 485, 012014.	0.3	4
64	New constraints on the dark energy equation of state. Physical Review D, 2013, 88, .	1.6	26
65	Dark radiation and interacting scenarios. Physical Review D, 2013, 87, .	1.6	37
66	Constraints on modified gravity from the Atacama Cosmology Telescope and the South Pole Telescope. Physical Review D, 2013, 87, .	1.6	14
67	Featuring the primordial power spectrum: New constraints on interrupted slow-roll from CMB and LRG data. Physical Review D, 2013, 87, .	1.6	16
68	Cosmological data and indications for new physics. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 030-030.	1.9	8
69	Dark radiation sterile neutrino candidates after Planck data. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 018-018.	1.9	34
70	Sterile neutrinos: Cosmology versus short-baseline experiments. Physical Review D, 2013, 87, .	1.6	55
71	Tickling the CMB damping tail: Scrutinizing the tension between the Atacama Cosmology Telescope and South Pole Telescope experiments. Physical Review D, 2013, 88, .	1.6	14
72	Dark radiation and the CMB bispectrum. Physical Review D, 2013, 87, .	1.6	1

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73	Neutrino and dark radiation properties in light of recent CMB observations. Physical Review D, 2013, 87, .	1.6	30
74	NEW LIMITS ON THE FUNDAMENTAL CONSTANTS FROM THE CMB DATA. International Journal of Modern Physics Conference Series, 2013, 23, 391-399.	0.7	1
75	Parametrized modified gravity and the CMB bispectrum. Physical Review D, 2012, 86, .	1.6	20
76	Future constraints on the Hu-Sawicki modified gravity scenario. Physical Review D, 2012, 85, .	1.6	12
77	Fine structure constant and the CMB damping scale. Physical Review D, 2012, 85, .	1.6	26
78	Future constraints on variations of the fine structure constant from combined CMB and weak lensing measurements. Physical Review D, 2012, 85, .	1.6	2
79	Impact of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>H</mml:mi><mml:mn>0</mml:mn></mml:msub></mml:math>prior on the evidence for dark radiation. Physical Review D, 2012, 86, .	1.6	46
80	Optimizing observational strategy for future<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>f</mml:mi><mml:mi>gas</mml:mi></mml:msub></mml:math>constraints. Physical Review D, 2012, 86, .	1.6	0
81	Future constraints on neutrino isocurvature perturbations in the curvaton scenario. Physical Review D, 2012, 85, .	1.6	18
82	Testing3+1and3+2neutrino mass models with cosmology and short baseline experiments. Physical Review D, 2012, 86, .	1.6	50
83	NEW LIMITS ON THE NEUTRINO MASS FROM COSMOLOGY. International Journal of Modern Physics Conference Series, 2012, 12, 368-379.	0.7	2
84	Impact of assuming flatness in the determination of neutrino properties from cosmological data. Physical Review D, 2012, 85, .	1.6	12
85	Amplitudes of thermal and kinetic Sunyaev-Zelâ€™dovich signals from small-scale CMB anisotropies. Physical Review D, 2012, 85, .	1.6	2
86	Dark radiation in extended cosmological scenarios. Physical Review D, 2012, 86, .	1.6	31
87	Sterile neutrino models and nonminimal cosmologies. Physical Review D, 2012, 85, .	1.6	29
88	Cosmological lepton asymmetry with a nonzero mixing angle<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î¸</mml:mi><mml:mn>13</mml:mn></mml:msub></mml:math>. Physical Review D, 2012, 86, .	1.6	52
89	Case for dark radiation. Physical Review D, 2011, 84, .	1.6	118
90	Future weak lensing constraints in a dark coupled universe. Physical Review D, 2011, 84, .	1.6	34

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91	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
92	Constraining modified gravitational theories by weak lensing with Euclid. Physical Review D, 2011, 83, .	1.6	35
93	Future CMB constraints on early, cold, or stressed dark energy. Physical Review D, 2011, 83, .	1.6	68
94	Limits on dark radiation, early dark energy, and relativistic degrees of freedom. Physical Review D, 2011, 83, .	1.6	77
95	Constraining variations in the fine structure constant in the presence of early dark energy. Physical Review D, 2011, 84, .	1.6	34
96	Cosmological and astrophysical neutrino mass measurements. Astroparticle Physics, 2011, 35, 177-184.	1.9	108
97	The impact of Reionization modelling on CMB Neutrino Mass Bounds. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 65-67.	0.5	0
98	Using CMB data to constrain non-isotropic Planck-scale modifications to Electrodynamics. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 003-003.	1.9	10
99	Updated CMB constraints on dark matter annihilation cross sections. Physical Review D, 2011, 84, .	1.6	144
100	Constraints on massive sterile neutrino species from current and future cosmological data. Physical Review D, 2011, 83, .	1.6	82
101	TESTING THE INFLATIONARY NULL ENERGY CONDITION WITH CURRENT AND FUTURE COSMIC MICROWAVE BACKGROUND DATA. International Journal of Modern Physics D, 2011, 20, 1183-1189.	0.9	5
102	Testing the Variation of Fundamental Constants with the CMB. Thirty Years of Astronomical Discovery With UKIRT, 2011, , 59-67.	0.3	2
103	Constraints on Cosmological Parameters from Future Cosmic Microwave Background Experiments. Journal of Physics: Conference Series, 2010, 259, 012004.	0.3	1
104	BOOMERanG constraints on primordial non-Gaussianity from analytical Minkowski functionals. Monthly Notices of the Royal Astronomical Society, 2010, 408, 1658-1665.	1.6	20
105	Non-Gaussianity in WMAP data due to the correlation of CMB lensing potential with secondary anisotropies. Physical Review D, 2010, 81, .	1.6	18
106	CONSTRAINTS ON THE DARK ENERGY EQUATION OF STATE IN PRESENCE OF A VARYING FINE STRUCTURE CONSTANT. International Journal of Modern Physics D, 2010, 19, 507-512.	0.9	6
107	Limits on the neutrino mass from cosmology. , 2010, , .		2
108	New constraints on parametrised modified gravity from correlations of the CMB with large scale structure. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 030-030.	1.9	74

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109	Interplay between curvature and Planck-scale effects in astrophysics and cosmology. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 030-030.	1.9	32
110	Constraints on primordial non-Gaussianity from WMAP7 and luminous red galaxies power spectrum and forecast for future surveys. Physical Review D, 2010, 82, .	1.6	10
111	Inflation with primordial broken power law spectrum as an alternative to the concordance cosmological model. Physical Review D, 2010, 81, .	1.6	1
112	CMB neutrino mass bounds and reionization. Physical Review D, 2010, 82, .	1.6	7
113	Impact of general reionization scenarios on extraction of inflationary parameters. Physical Review D, 2010, 82, .	1.6	14
114	Harrison-Zelâ€™dovich primordial spectrum is consistent with observations. Physical Review D, 2010, 81, .	1.6	19
115	Constraints on neutrino-dark matter interactions from cosmic microwave background and large scale structure data. Physical Review D, 2010, 81, .	1.6	70
116	Constraining fundamental physics with future CMB experiments. Physical Review D, 2010, 82, .	1.6	40
117	Planck-scale modifications to electrodynamics characterized by a spacelike symmetry-breaking vector. Physical Review D, 2010, 82, .	1.6	20
118	Varying couplings in the early universe: Correlated variations of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>G</mml:mi></mml:math>. Physical Review D, 2010, 82, .	1.6	26
119	Future CMB cosmological constraints in a dark coupled universe. Physical Review D, 2010, 81, .	1.6	44
120	Multiparameter investigation of gravitational slip. Physical Review D, 2009, 80, .	1.6	37
121	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
122	Sterile neutrinos in light of recent cosmological and oscillation data: a multi-flavor scheme approach. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 036-036.	1.9	68
123	Lensed Cosmic Microwave Background Constraints on Post-General Relativity Parameters. Nuclear Physics, Section B, Proceedings Supplements, 2009, 194, 320-325.	0.5	0
124	Latest inflation model constraints from cosmic microwave background measurements. Nuclear Physics, Section B, Proceedings Supplements, 2009, 194, 86-90.	0.5	0
125	A cosmological bound on the thermal axion mass. Nuclear Physics, Section B, Proceedings Supplements, 2009, 194, 100-104.	0.5	1
126	New constraints on variations of the fine structure constant from CMB anisotropies. Physical Review D, 2009, 80, .	1.6	34

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127	No evidence for dark energy dynamics from a global analysis of cosmological data. Physical Review D, 2009, 80, .	1.6	65
128	CMB polarization systematics, cosmological birefringence, and the gravitational waves background. Physical Review D, 2009, 80, .	1.6	56
129	Lensed cosmic microwave background constraints on post-general-relativity parameters. Physical Review D, 2009, 79, .	1.6	13
130	Determining the neutrino mass hierarchy with cosmology. Physical Review D, 2009, 80, .	1.6	49
131	Cosmological constraints on the matter equation of state. Physical Review D, 2009, 80, .	1.6	28
132	CMB lensing constraints on dark energy and modified gravity scenarios. Physical Review D, 2009, 80, .	1.6	27
133	Cosmological constraints on the Hu-Sawicki modified gravity scenario. Physical Review D, 2009, 79, .	1.6	25
134	CMB constraints on dark matter models with large annihilation cross section. Physical Review D, 2009, 80, .	1.6	250
135	Delayed recombination and standard rulers. Physical Review D, 2009, 79, .	1.6	13
136	From Cavendish to PLANCK: Constraining Newtonâ€™s gravitational constant with CMB temperature and polarization anisotropy. Physical Review D, 2009, 80, .	1.6	39
137	Probing Inflation with CMB Polarization. , 2009, , .		252
138	SUBDEGREE SUNYAEV-ZEL'DOVICH SIGNAL FROM MULTIFREQUENCY BOOMERANG OBSERVATIONS. Astrophysical Journal, 2009, 702, L61-L65.	1.6	10
139	New constraints on the reheating temperature of the universe after WMAP-5. Astroparticle Physics, 2008, 30, 192-195.	1.9	77
140	Latest inflation model constraints from cosmic microwave background measurements: Addendum. Physical Review D, 2008, 78, .	1.6	37
141	Improved limit on the neutrino mass with CMB and redshift-dependent halo bias-mass relations from SDSS, DEEP2, and Lyman-break galaxies. Physical Review D, 2008, 78, .	1.6	20
142	Trispectrum of 21-cm background anisotropies as a probe of primordial non-Gaussianity. Physical Review D, 2008, 77, .	1.6	43
143	Impact of point source clustering on cosmological parameters with CMB anisotropies. Physical Review D, 2008, 78, .	1.6	15
144	Is cosmology compatible with blue gravity waves?. Physical Review D, 2008, 77, .	1.6	15

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145	Anisotropies in the cosmic neutrino background after Wilkinson Microwave Anisotropy Probe five-year data. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 013.	1.9	21
146	The cosmic neutrino background and the age of the Universe. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 020.	1.9	25
147	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
148	Large scale structure as a probe of gravitational slip. Physical Review D, 2008, 77, .	1.6	230
149	Testing cosmology with cosmic sound waves. Physical Review D, 2008, 77, .	1.6	36
150	Cosmic microwave weak lensing data as a test for the dark universe. Physical Review D, 2008, 77, .	1.6	134
151	Delayed recombination and cosmic parameters. Physical Review D, 2008, 78, .	1.6	19
152	Black hole formation and slow-roll inflation. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 038.	1.9	95
153	Red density perturbations and inflationary gravitational waves. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 009.	1.9	6
154	Cosmological Constraints on Neutrino Masses. , 2008, , 265-270.		0
155	Status of Neutrino Oscillations. , 2008, , 219-224.		0
156	Present bounds on the relativistic energy density in the Universe from cosmological observables. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 006-006.	1.9	62
157	New constraints on oscillations in the primordial spectrum of inflationary perturbations. Physical Review D, 2007, 76, .	1.6	107
158	Searching for Non-Gaussian Signals in the BOOMERANG 2003 CMB Maps. Astrophysical Journal, 2007, 670, L73-L76.	1.6	18
159	Cosmological constraints in the presence of ionizing and resonance radiation at recombination. Physical Review D, 2007, 75, .	1.6	15
160	Constraints on a new post-general relativity cosmological parameter. Physical Review D, 2007, 76, .	1.6	126
161	When did cosmic acceleration start?. Physical Review D, 2007, 76, .	1.6	28
162	Improved cosmological bound on the thermal axion mass. Physical Review D, 2007, 76, .	1.6	53

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163	Exploring the dark energy redshift desert with the Sandage-Loeb test. Physical Review D, 2007, 75, .	1.6	91
164	The impact of neutrino masses on the determination of dark energy properties. Astroparticle Physics, 2007, 27, 406-410.	1.9	16
165	Massive neutrinos and dark energy. Nuclear Physics, Section B, Proceedings Supplements, 2007, 168, 31-33.	0.5	1
166	Probing low energy and mass scales. Nuclear Physics, Section B, Proceedings Supplements, 2007, 168, 383-388.	0.5	0
167	Neutrino mass and mixing: 2006 status. Nuclear Physics, Section B, Proceedings Supplements, 2007, 168, 341-343.	0.5	15
168	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
169	Cosmological Parameters from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 799-812.	1.6	159
170	Cosmological bounds on dark-matter-neutrino interactions. Physical Review D, 2006, 74, .	1.6	101
171	Inflation and WMAP three year data: Features are still present. Physical Review D, 2006, 74, .	1.6	128
172	Inflation model constraints from the Wilkinson Microwave Anisotropy Probe three-year data. Physical Review D, 2006, 74, .	1.6	150
173	Anisotropies in the neutrino background: An update. Physical Review D, 2006, 74, .	1.6	11
174	WMAP-normalized inflationary model predictions and the search for primordial gravitational waves with direct detection experiments. Physical Review D, 2006, 74, .	1.6	28
175	A Measurement of the Polarizationâ€Temperature Angular Crossâ€Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 833-839.	1.6	123
176	A Measurement of the CMB âŒ©EEâŒª Spectrum from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 813-822.	1.6	217
177	A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 823-832.	1.6	186
178	New constraints on neutrino masses from cosmology. New Astronomy Reviews, 2006, 50, 1020-1024.	5.2	2
179	Constraints on dynamical dark energy: an update. New Journal of Physics, 2006, 8, 325-325.	1.2	0
180	Chaplygin gas in light of recent integrated Sachsâ€“Wolfe effect data. Classical and Quantum Gravity, 2006, 23, 4125-4132.	1.5	24

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