

Antony Lewis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/443935/publications.pdf>

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25
papers

5,675
citations

471061

17
h-index

580395

25
g-index

25
all docs

25
docs citations

25
times ranked

3004
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Computation of Cosmic Microwave Background Anisotropies in Closed Friedmann-Robertson-Walker Models. <i>Astrophysical Journal</i> , 2000, 538, 473-476.	1.6	3,745
2	The Simons Observatory: science goals and forecasts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 056-056.	1.9	741
3	Cobaya: code for Bayesian analysis of hierarchical physical models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 057.	1.9	173
4	The shape of the CMB lensing bispectrum. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 018-018.	1.9	143
5	Lensed CMB power spectra from all-sky correlation functions. <i>Physical Review D</i> , 2005, 71, .	1.6	130
6	Asymmetric beams and CMB statistical anisotropy. <i>Physical Review D</i> , 2010, 81, .	1.6	86
7	Constraining primordial magnetism. <i>Physical Review D</i> , 2012, 86, .	1.6	84
8	Impact of post-Born lensing on the CMB. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 047-047.	1.9	82
9	Weak lensing of the CMB. <i>General Relativity and Gravitation</i> , 2010, 42, 2197-2218.	0.7	81
10	Recovering 3D clustering information with angular correlations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 1891-1902.	1.6	69
11	Maximum a posteriori CMB lensing reconstruction. <i>Physical Review D</i> , 2017, 96, .	1.6	63
12	Full covariance of CMB and lensing reconstruction power spectra. <i>Physical Review D</i> , 2017, 95, .	1.6	51
13	Joint analysis of CMB temperature and lensing-reconstruction power spectra. <i>Physical Review D</i> , 2013, 88, .	1.6	49
14	CMB lensing reconstruction biases in cross-correlation with large-scale structure probes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 057-057.	1.9	42
15	Quadratic estimators for CMB weak lensing. <i>Physical Review D</i> , 2021, 103, .	1.6	28
16	Effect of lensing non-Gaussianity on the CMB power spectra. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 003-003.	1.9	23
17	Impact of polarization on the intrinsic cosmic microwave background bispectrum. <i>Physical Review D</i> , 2014, 90, .	1.6	22
18	Simons Observatory: Constraining inflationary gravitational waves with multitracer B -mode delensing. <i>Physical Review D</i> , 2022, 105, .	1.6	13

#	ARTICLE	IF	CITATIONS
19	Optimal filtering for CMB lensing reconstruction. Physical Review D, 2019, 100, .	1.6	12
20	CMB lensing reconstruction using cut sky polarization maps and pureBmodes. Physical Review D, 2014, 90, .	1.6	10
21	Instrumental systematics biases in CMB lensing reconstruction: A simulation-based assessment. Physical Review D, 2021, 103, .	1.6	8
22	Lensed CMB power spectrum biases from masking extragalactic sources. Physical Review D, 2021, 103, .	1.6	7
23	Improving CMB non-Gaussianity estimators using tracers of local structure. Physical Review D, 2011, 83, .	1.6	6
24	Quadratic Lagrangians and Topology in Gauge Theory Gravity. General Relativity and Gravitation, 2000, 32, 161-174.	0.7	4
25	Electron Scattering without Spin Sums. International Journal of Theoretical Physics, 2001, 40, 363-376.	0.5	3