

# Antony Lewis

## List of Publications by Year in descending order

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

Version: 2024-02-01

25  
papers

5,675  
citations

471509

17  
h-index

580821

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.	4.5	3,745
2	The Simons Observatory: science goals and forecasts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 056-056.	5.4	741
3	Cobaya: code for Bayesian analysis of hierarchical physical models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 057.	5.4	173
4	The shape of the CMB lensing bispectrum. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 018-018.	5.4	143
5	Lensed CMB power spectra from all-sky correlation functions. <i>Physical Review D</i> , 2005, 71, .	4.7	130
6	Asymmetric beams and CMB statistical anisotropy. <i>Physical Review D</i> , 2010, 81, .	4.7	86
7	Constraining primordial magnetism. <i>Physical Review D</i> , 2012, 86, .	4.7	84
8	Impact of post-Born lensing on the CMB. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 047-047.	5.4	82
9	Weak lensing of the CMB. <i>General Relativity and Gravitation</i> , 2010, 42, 2197-2218.	2.0	81
10	Recovering 3D clustering information with angular correlations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 1891-1902.	4.4	69
11	Maximum a posteriori CMB lensing reconstruction. <i>Physical Review D</i> , 2017, 96, .	4.7	63
12	Full covariance of CMB and lensing reconstruction power spectra. <i>Physical Review D</i> , 2017, 95, .	4.7	51
13	Joint analysis of CMB temperature and lensing-reconstruction power spectra. <i>Physical Review D</i> , 2013, 88, .	4.7	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.	5.4	42
15	Quadratic estimators for CMB weak lensing. <i>Physical Review D</i> , 2021, 103, .	4.7	28
16	Effect of lensing non-Gaussianity on the CMB power spectra. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 003-003.	5.4	23
17	Impact of polarization on the intrinsic cosmic microwave background bispectrum. <i>Physical Review D</i> , 2014, 90, .	4.7	22
18	Simons Observatory: Constraining inflationary gravitational waves with multitracer $B$ -mode delensing. <i>Physical Review D</i> , 2022, 105, .	4.7	13

#	ARTICLE	IF	CITATIONS
19	Optimal filtering for CMB lensing reconstruction. Physical Review D, 2019, 100, .	4.7	12
20	CMB lensing reconstruction using cut sky polarization maps and pureBmodes. Physical Review D, 2014, 90, .	4.7	10
21	Instrumental systematics biases in CMB lensing reconstruction: A simulation-based assessment. Physical Review D, 2021, 103, .	4.7	8
22	Lensed CMB power spectrum biases from masking extragalactic sources. Physical Review D, 2021, 103, .	4.7	7
23	Improving CMB non-Gaussianity estimators using tracers of local structure. Physical Review D, 2011, 83, .	4.7	6
24	Quadratic Lagrangians and Topology in Gauge Theory Gravity. General Relativity and Gravitation, 2000, 32, 161-174.	2.0	4
25	Electron Scattering without Spin Sums. International Journal of Theoretical Physics, 2001, 40, 363-376.	1.2	3