

# Matthieu Tristram

## List of Publications by Year in descending order

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46  
papers

21,102  
citations

126907

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243625

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g-index

46  
all docs

46  
docs citations

46  
times ranked

17091  
citing authors

#	ARTICLE	IF	CITATIONS
1	In-flight polarization angle calibration for LiteBIRD: blind challenge and cosmological implications. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 039.	5.4	9
2	Cosmic Birefringence from the Planck Data Release 4. Physical Review Letters, 2022, 128, 091302.	7.8	54
3	Polarization angle requirements for CMB B-mode experiments. Application to the LiteBIRD satellite. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 029.	5.4	3
4	Improved limits on the tensor-to-scalar ratio using BICEP and Planck data. Physical Review D, 2022, 105, .	4.7	71
5	Planck constraints on the tensor-to-scalar ratio. Astronomy and Astrophysics, 2021, 647, A128.	5.1	78
6	Cosmology with the Planck $T\hat{e}$ correlation coefficient. Physical Review D, 2021, 104, .	4.7	2
7	Planck 2018 results. Astronomy and Astrophysics, 2020, 641, A3.	5.1	158
8	Planck intermediate results. Astronomy and Astrophysics, 2020, 643, A42.	5.1	123
9	LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization. , 2020, , .		79
10	Consistency of CMB experiments beyond cosmic variance. Physical Review D, 2019, 100, .	4.7	3
11	Comparison of results on $N_{\text{eff}}$ from various Planck likelihoods. Astronomy and Astrophysics, 2019, 623, A9.	5.1	3
12	LiteBIRD: A Satellite for the Studies of B-Mode Polarization and Inflation from Cosmic Background Radiation Detection. Journal of Low Temperature Physics, 2019, 194, 443-452.	1.4	193
13	Quadratic estimator for CMB cross-correlation. Physical Review D, 2018, 98, .	4.7	5
14	Quadratic estimator for CMB cross-correlation. Physical Review D, 2018, 98, .	4.7	18
15	Cosmology with the cosmic microwave background temperature-polarization correlation. Astronomy and Astrophysics, 2017, 602, A41.	5.1	19
16	Relieving tensions related to the lensing of the cosmic microwave background temperature power spectra. Astronomy and Astrophysics, 2017, 597, A126.	5.1	21
17	Planck intermediate results. Astronomy and Astrophysics, 2017, 607, A95.	5.1	131
18	Cosmological constraints on the neutrino mass including systematic uncertainties. Astronomy and Astrophysics, 2017, 606, A104.	5.1	34

#	ARTICLE	IF	CITATIONS
19	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A7.	5.1	94
20	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A23.	5.1	89
21	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A12.	5.1	117
22	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A8.	5.1	209
23	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A20.	5.1	1,233
24	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A108.	5.1	375
25	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A15.	5.1	360
26	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A133.	5.1	173
27	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A13.	5.1	8,344
28	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A22.	5.1	274
29	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A102.	5.1	25
30	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A110.	5.1	64
31	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A26.	5.1	182
32	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A11.	5.1	613
33	<i>Planck</i> intermediate results. XIX. An overview of the polarized thermal emission from Galactic dust. Astronomy and Astrophysics, 2015, 576, A104.	5.1	296
34	<i>Planck</i> intermediate results. XXII. Frequency dependence of thermal emission from Galactic dust in intensity and polarization. Astronomy and Astrophysics, 2015, 576, A107.	5.1	2015, 576, 2015
35	Joint Analysis of BICEP2/Keck Array and Planck Data. Physical Review Letters, 2015, 114, 101301.	7.8	819
36	Large-scale cosmic microwave background temperature and polarization cross-spectra likelihoods. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3175-3190.	4.4	25

#	ARTICLE	IF	CITATIONS
37	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2014, 566, A54.	5.1	80
38	<i>Planck</i> 2013 results. XIII. Galactic CO emission. Astronomy and Astrophysics, 2014, 571, A13.	5.1	144
39	<i>Planck</i> 2013 results. XXX. Cosmic infrared background measurements and implications for star formation. Astronomy and Astrophysics, 2014, 571, A30.	5.1	210
40	<i>Planck</i> 2013 results. XV. CMB power spectra and likelihood. Astronomy and Astrophysics, 2014, 571, A15.	5.1	364
41	<i>Planck</i> 2013 results. XXI. Power spectrum and high-order statistics of the <i>Planck</i> all-sky Compton parameter map. Astronomy and Astrophysics, 2014, 571, A21.	5.1	133
42	<i>Planck</i> 2013 results. IX. HFI spectral response. Astronomy and Astrophysics, 2014, 571, A9.	5.1	129
43	<i>Planck</i> 2013 results. XXII. Constraints on inflation. Astronomy and Astrophysics, 2014, 571, A22.	5.1	806
44	<i>Planck</i> 2013 results. XVI. Cosmological parameters. Astronomy and Astrophysics, 2014, 571, A16.	5.1	4,703
45	XSPECT, estimation of the angular power spectrum by computing cross-power spectra with analytical error bars. Monthly Notices of the Royal Astronomical Society, 2005, 358, 833-842.	4.4	110
46	Cosmic backgrounds from the radio to the far-infrared: recent results and perspectives from cosmological and astrophysical surveys. International Journal of Modern Physics D, 0, , .	2.1	0