

Matthieu Tristram

List of Publications by Year in descending order

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46
papers

21,102
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126907

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44
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all docs


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docs citations

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times ranked

17091
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A13.	5.1	8,344
2	<i>Planck</i> 2013 results. XVI. Cosmological parameters. Astronomy and Astrophysics, 2014, 571, A16.	5.1	4,703
3	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A20.	5.1	1,233
4	Joint Analysis of BICEP2/<i>Keck Array</i> and <i>Planck</i> Data. Physical Review Letters, 2015, 114, 101301.	7.8	819
5	<i>Planck</i> 2013 results. XXII. Constraints on inflation. Astronomy and Astrophysics, 2014, 571, A22.	5.1	806
6	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A11.	5.1	613
7	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A108.	5.1	375
8	<i>Planck</i> 2013 results. XV. CMB power spectra and likelihood. Astronomy and Astrophysics, 2014, 571, A15.	5.1	364
9	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A15.	5.1	360
10	<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
11	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A22.	5.1	274
12	<i>Planck</i> 2013 results. XXX. Cosmic infrared background measurements and implications for star formation. Astronomy and Astrophysics, 2014, 571, A30.	5.1	210
13	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A8.	5.1	209
14	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
15	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A26.	5.1	182
16	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A133.	5.1	173
17	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A3.	5.1	158
18	<i>Planck</i> 2013 results. XIII. Galactic CO emission. Astronomy and Astrophysics, 2014, 571, A13.	5.1	144

#	ARTICLE	IF	CITATIONS
19	<i>Planck</i> 2013 results. XXI. Power spectrum and high-order statistics of the <i>Planck</i> all-sky Compton parameter map. <i>Astronomy and Astrophysics</i> , 2014, 571, A21.	5.1	133
20	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2017, 607, A95.	5.1	131
21	<i>Planck</i> 2013 results. IX. HFI spectral response. <i>Astronomy and Astrophysics</i> , 2014, 571, A9.	5.1	129
22	<i>Planck</i> intermediate results. XXII. Frequency dependence of thermal emission from Galactic dust in intensity and polarization. <i>Astronomy and Astrophysics</i> , 2015, 576, A107.	5.1	125
23	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2020, 643, A42.	5.1	123
24	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A12.	5.1	117
25	XSPECT, estimation of the angular power spectrum by computing cross-power spectra with analytical error bars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 358, 833-842.	4.4	110
26	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A7.	5.1	94
27	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A23.	5.1	89
28	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2014, 566, A54.	5.1	80
29	LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization. , 2020, , .		79
30	<i>Planck</i> constraints on the tensor-to-scalar ratio. <i>Astronomy and Astrophysics</i> , 2021, 647, A128.	5.1	78
31	Improved limits on the tensor-to-scalar ratio using BICEP and P_{ℓ}^{TB} data. <i>Physical Review D</i> , 2022, 105, .	4.7	71
32	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A110.	5.1	64
33	Cosmic Birefringence from the <i>Planck</i> Data Release 4. <i>Physical Review Letters</i> , 2022, 128, 091302.	7.8	54
34	Cosmological constraints on the neutrino mass including systematic uncertainties. <i>Astronomy and Astrophysics</i> , 2017, 606, A104.	5.1	34
35	Large-scale cosmic microwave background temperature and polarization cross-spectra likelihoods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 3175-3190.	4.4	25
36	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A102.	5.1	25

#	ARTICLE	IF	CITATIONS
37	Relieving tensions related to the lensing of the cosmic microwave background temperature power spectra. <i>Astronomy and Astrophysics</i> , 2017, 597, A126.	5.1	21
38	Cosmology with the cosmic microwave background temperature-polarization correlation. <i>Astronomy and Astrophysics</i> , 2017, 602, A41.	5.1	19
39	Quadratic estimator for CMB cross-correlation. <i>Physical Review D</i> , 2018, 98, .	4.7	18
40	In-flight polarization angle calibration for LiteBIRD: blind challenge and cosmological implications. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 039.	5.4	9
41	 T_E correlation coefficient of P_l  P_l	4.7	5
42	Consistency of CMB experiments beyond cosmic variance. <i>Physical Review D</i> , 2019, 100, .	4.7	3
43	Comparison of results on N_{eff} from various Planck likelihoods. <i>Astronomy and Astrophysics</i> , 2019, 623, A9.	5.1	3
44	Polarization angle requirements for CMB B-mode experiments. Application to the LiteBIRD satellite. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 029.	5.4	3
45	Cosmology with the Planck T_E correlation coefficient. <i>Physical Review D</i> , 2021, 104, .	4.7	2
46	Cosmic backgrounds from the radio to the far-infrared: recent results and perspectives from cosmological and astrophysical surveys. <i>International Journal of Modern Physics D</i> , 0, .	2.1	0