Martina Gerbino

List of Publications by Year
in descending order

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Version: 2024-02-01

82 papers	25,147 citations	101543 36 h-index	88630 70 g-index
82 all docs	82 docs citations	82 times ranked	17227 citing authors

#	Article	IF	Citations
1	Detailed study of HWP non-idealities and their impact on future measurements of CMB polarization anisotropies from space. Astronomy and Astrophysics, 2022, 658, A15.	5.1	3
2	In-flight polarization angle calibration for LiteBIRD: blind challenge and cosmological implications. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 039.	5.4	9
3	CMB-S4: Forecasting Constraints on Primordial Gravitational Waves. Astrophysical Journal, 2022, 926, 54.	4.5	79
4	The Simons Observatory: gain, bandpass and polarization-angle calibration requirements for B-mode searches. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 032.	5.4	14
5	Updated cosmological constraints on Macroscopic Dark Matter. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 027.	5.4	1
6	The large scale polarization explorer (LSPE) for CMB measurements: performance forecast. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 008.	5.4	27
7	Planck 2018 results. Astronomy and Astrophysics, 2021, 652, C4.	5.1	627
8	Bounds on light sterile neutrino mass and mixing from cosmology and laboratory searches. Physical Review D, 2021, 104, .	4.7	32
9	Probing the weak gravity conjecture in the cosmic microwave background. Physical Review D, 2020, 101, .	4.7	6
10	Cornering (quasi) degenerate neutrinos with cosmology. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
11	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A6.	5.1	6,722
12	Likelihood Methods for CMB Experiments. Frontiers in Physics, 2020, 8, .	2.1	12
13	Planck 2018 results. Astronomy and Astrophysics, 2020, 641, A3.	5.1	158
14	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A2.	5.1	72
15	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A1.	5.1	804
16	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A4.	5.1	218
17	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A12.	5.1	105
18	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A8.	5.1	400

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19	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A10.	5.1	1,261
20	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A7.	5.1	172
21	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A9.	5.1	319
22	Planck 2018 results. Astronomy and Astrophysics, 2020, 641, A5.	5.1	558
23	Planck intermediate results. Astronomy and Astrophysics, 2020, 644, A99.	5.1	4
24	Planck intermediate results. Astronomy and Astrophysics, 2020, 644, A100.	5.1	20
25	Planck intermediate results. Astronomy and Astrophysics, 2020, 643, A42.	5.1	123
26	Overview of the medium and high frequency telescopes of the LiteBIRD space mission. , 2020, , .		3
27	LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization. , 2020, , .		79
28	Concept design of low frequency telescope for CMB B-mode polarization satellite LiteBIRD. , 2020, , .		4
29	The Simons Observatory: science goals and forecasts. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 056-056.	5.4	741
30	Exploring cosmic origins with CORE: Survey requirements and mission design. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 014-014.	5.4	98
31	Exploring cosmic origins with CORE: The instrument. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 015-015.	5.4	25
32	Exploring cosmic origins with CORE: Inflation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 016-016.	5.4	75
33	Exploring cosmic origins with CORE: Cosmological parameters. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 017-017.	5.4	73
34	Exploring cosmic origins with CORE: Gravitational lensing of the CMB. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 018-018.	5.4	29
35	Exploring cosmic origins with CORE: Cluster science. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 019-019.	5.4	17
36	Exploring cosmic origins with CORE: Extragalactic sources in cosmic microwave background maps. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 020-020.	5.4	20

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37	Exploring cosmic origins with CORE: Effects of observer peculiar motion. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 021-021.	5.4	18
38	Exploring cosmic origins with CORE: Mitigation of systematic effects. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 022-022.	5.4	14
39	Exploring cosmic origins with CORE:B-mode component separation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 023-023.	5.4	44
40	Airborne, Far-Field Calibrators for Cosmic Microwave Background Telescopes: POLOCALC. , 2018, , .		0
41	Planck intermediate results. Astronomy and Astrophysics, 2018, 619, A94.	5.1	18
42	Planck intermediate results. Astronomy and Astrophysics, 2018, 617, A48.	5.1	22
43	Constraints on the sum of the neutrino masses in dynamical dark energy models with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>w</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>z</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 497 Td /stretchy="false") are tighter than those obtained in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" disp	5.4	14
44	Bias due to neutrinos must not uncorrect'd go. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 001-001.	5.4	65
45	Status of Neutrino Properties and Future Prospectsâ€”Cosmological and Astrophysical Constraints. Frontiers in Physics, 2018, 5, .	2.1	102
46	The Simons Observatory: instrument overview. , 2018, , .		56
47	Studies of systematic uncertainties for Simons Observatory: polarization modulator related effects. , 2018, , .		6
48	Development of calibration strategies for the Simons Observatory. , 2018, , .		4
49	Planck intermediate results. Astronomy and Astrophysics, 2017, 599, A51.	5.1	46
50	POLOCALC: A Novel Method to Measure the Absolute Polarization Orientation of the Cosmic Microwave Background. Journal of Astronomical Instrumentation, 2017, 06, .	1.5	25
51	On the impact of large angle CMB polarization data on cosmological parameters. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 041-041.	5.4	15
52	Unveiling <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi></mml:math> secrets with cosmological data: Neutrino masses and mass hierarchy. Physical Review D, 2017, 96, .	4.7	277
53	A novel approach to quantifying the sensitivity of current and future cosmological datasets to the neutrino mass ordering through Bayesian hierarchical modeling. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 239-250.	4.1	36
54	Impact of neutrino properties on the estimation of inflationary parameters from current and future observations. Physical Review D, 2017, 95, .	4.7	70

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55	Planck intermediate results. Astronomy and Astrophysics, 2017, 607, A95.	5.1	131
56	Planckintermediate results. Astronomy and Astrophysics, 2017, 607, A122.	5.1	24
57	The hunt for the neutrino hierarchy. , 2017, , .		0
58	Joint constraints on neutrino masses from cosmology and particle physics. , 2017, , .		0
59	Constraints on the early and late integrated Sachs-Wolfe effects after Planck 2015. , 2017, , .		0
60	Constraints on cosmological birefringence from PLANCK and Bicep2/Keck data. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 001-001.	5.4	23
61	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A105.	5.1	47
62	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A1.	5.1	738
63	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A108.	5.1	375
64	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A109.	5.1	185
65	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A13.	5.1	8,344
66	Recent results and perspectives on cosmology and fundamental physics from microwave surveys. International Journal of Modern Physics D, 2016, 25, 1630016.	2.1	0
67	Breaking Be: a sterile neutrino solution to the cosmological lithium problem. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 022-022.	5.4	14
68	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.	5.4	34
69	Updated constraints and forecasts on primordial tensor modes. Physical Review D, 2016, 93, .	4.7	46
70	Dark radiation and inflationary freedom after Planck 2015. Physical Review D, 2016, 93, .	4.7	26
71	<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, .	4.7	21
72	Improvement of cosmological neutrino mass bounds. Physical Review D, 2016, 94, .	4.7	136

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73	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A110.	5.1	64
74	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A107.	5.1	359
75	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A11.	5.1	613
76	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, .	4.7	24
77	Blue gravity waves from BICEP2?. Physical Review D, 2014, 90, .	4.7	23
78	Neutrino mass scale in the era of precision cosmology. Journal of Physics: Conference Series, 2014, 566, 012003.	0.4	0
79	Planck constraints on the effective neutrino number and the CMB power spectrum lensing amplitude. Physical Review D, 2013, 88, .	4.7	16
80	Cosmological data and indications for new physics. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 030-030.	5.4	8
81	Neutrino anisotropies after Planck. Physical Review D, 2013, 88, .	4.7	19
82	Dark radiation and the CMB bispectrum. Physical Review D, 2013, 87, .	4.7	1