

# Michele Limon

## List of Publications by Year in descending order

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44  
papers

7,153  
citations

516561

16  
h-index

414303

32  
g-index

45  
all docs

45  
docs citations

45  
times ranked

10159  
citing authors

#	ARTICLE	IF	CITATIONS
1	NINE-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE ( WMAP ) OBSERVATIONS: COSMOLOGICAL PARAMETER RESULTS. <i>Astrophysical Journal, Supplement Series</i> , 2013, 208, 19.	3.0	3,998
2	NINE-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE ( WMAP ) OBSERVATIONS: FINAL MAPS AND RESULTS. <i>Astrophysical Journal, Supplement Series</i> , 2013, 208, 20.	3.0	1,810
3	The Simons Observatory: science goals and forecasts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 056-056.	1.9	741
4	EBEX: a balloon-borne CMB polarization experiment. <i>Proceedings of SPIE</i> , 2010, , .	0.8	68
5	The Simons Observatory: instrument overview. , 2018, , .		56
6	Electromagnetic and Thermal Properties of a Conductively Loaded Epoxy. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2008, 29, 51-61.	0.6	41
7	High-resolution observations and modeling of turbulence sources, structures, and intensities in the upper mesosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 162, 57-78.	0.6	35
8	Horn-coupled, commercially-fabricated aluminum lumped-element kinetic inductance detectors for millimeter wavelengths. <i>Review of Scientific Instruments</i> , 2014, 85, 123117.	0.6	32
9	PMC Turbo: Studying Gravity Wave and Instability Dynamics in the Summer Mesosphere Using Polar Mesospheric Cloud Imaging and Profiling From a Stratospheric Balloon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6423-6443.	1.2	27
10	The EBEX Balloon-borne Experimentâ€™Gondola, Attitude Control, and Control Software. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 9.	3.0	26
11	The EBEX Balloon-borne Experimentâ€™Optics, Receiver, and Polarimetry. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 7.	3.0	23
12	A large-diameter hollow-shaft cryogenic motor based on a superconducting magnetic bearing for millimeter-wave polarimetry. <i>Review of Scientific Instruments</i> , 2017, 88, 105102.	0.6	21
13	Photon noise from chaotic and coherent millimeter-wave sources measured with horn-coupled, aluminum lumped-element kinetic inductance detectors. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	20
14	Design and performance of dual-polarization lumped-element kinetic inductance detectors for millimeter-wave polarimetry. <i>Astronomy and Astrophysics</i> , 2018, 610, A45.	2.1	20
15	A cryogenic half-wave plate polarimeter using a superconducting magnetic bearing. <i>Proceedings of SPIE</i> , 2011, , .	0.8	19
16	Stratospheric imaging of polar mesospheric clouds: A new window on small-scale atmospheric dynamics. <i>Geophysical Research Letters</i> , 2015, 42, 6058-6065.	1.5	17
17	Mesospheric Bore Evolution and Instability Dynamics Observed in PMC Turbo Imaging and Rayleigh Lidar Profiling Over Northeastern Canada on 13 July 2018. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032037.	1.2	17
18	The optical design of the six-meter CCAT-prime and Simons Observatory telescopes. , 2018, , .		16

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19	The EBEX Balloon-borne Experiment's Detectors and Readout. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 8.	3.0	13
20	The Simons Observatory: modeling optical systematics in the Large Aperture Telescope. <i>Applied Optics</i> , 2021, 60, 823.	0.9	13
21	The Simons Observatory: metamaterial microwave absorber and its cryogenic applications. <i>Applied Optics</i> , 2021, 60, 864.	0.9	13
22	EBEX: the E and B Experiment. <i>Proceedings of SPIE</i> , 2008, , .	0.8	12
23	The Simons Observatory Large Aperture Telescope Receiver. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 23.	3.0	11
24	The performance of the bolometer array and readout system during the 2012/2013 flight of the E and B experiment (EBEX). <i>Proceedings of SPIE</i> , 2014, , .	0.8	9
25	Simons Observatory large aperture telescope receiver design overview. , 2018, , .		9
26	The Simons Observatory: The Large Aperture Telescope (LAT). <i>Research Notes of the AAS</i> , 2021, 5, 100.	0.3	8
27	Software systems for operation, control, and monitoring of the EBEX instrument. <i>Proceedings of SPIE</i> , 2010, , .	0.8	7
28	STARS: a software application for the EBEX autonomous daytime star cameras. <i>Proceedings of SPIE</i> , 2014, , .	0.8	7
29	The PMC Turbo Balloon Mission to Measure Gravity Waves and Turbulence in Polar Mesospheric Clouds: Camera, Telemetry, and Software Performance. <i>Earth and Space Science</i> , 2020, 7, e2020EA001238.	1.1	7
30	Cold optical design for the large aperture Simons' Observatory telescope. , 2018, , .		7
31	The Simons Observatory: the Large Aperture Telescope Receiver (LATR) integration and validation results. , 2020, , .		6
32	FIREBall-2: The Faint Intergalactic Medium Redshifted Emission Balloon Telescope. <i>Astrophysical Journal</i> , 2020, 898, 170.	1.6	6
33	First implementation of TES bolometer arrays with SQUID-based multiplexed readout on a balloon-borne platform. <i>Proceedings of SPIE</i> , 2010, , .	0.8	5
34	The Detector System for the Stratospheric Kinetic Inductance Polarimeter (Skip). <i>Journal of Low Temperature Physics</i> , 2014, 176, 741-748.	0.6	5
35	THE EBEX CRYOSTAT AND SUPPORTING ELECTRONICS. , 2012, , .		5
36	Cooldown strategies and transient thermal simulations for the Simons Observatory. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
37	Simons Observatory large aperture receiver simulation overview. , 2018, , .		4
38	Systematic uncertainties in the Simons Observatory: optical effects and sensitivity considerations. , 2018, , .		4
39	Development of dual-polarization LEKIDs for CMB observations. Proceedings of SPIE, 2016, , .	0.8	3
40	A Titanium Nitride Absorber for Controlling Optical Crosstalk in Horn-Coupled Aluminum LEKID Arrays for Millimeter Wavelengths. Journal of Low Temperature Physics, 2016, 184, 154-160.	0.6	3
41	Intensity-coupled Polarization in Instruments with a Continuously Rotating Half-wave Plate. Astrophysical Journal, 2019, 876, 54.	1.6	2
42	Temperature calibration of the E and B Experiment. , 2017, , .		2
43	The Simons Observatory: A large-diameter truss for a refracting telescope cooled to 1 K. Review of Scientific Instruments, 2022, 93, .	0.6	1
44	Simons Observatory HoloSim-ML: machine learning applied to the efficient analysis of radio holography measurements of complex optical systems. Applied Optics, 2021, 60, 9029.	0.9	0