

Janet L Machol

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

752
citations

759233

12
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

1130
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibronic quantum beats in PbS microcrystallites. <i>Physical Review B</i> , 1993, 48, 2819-2822.	3.2	289
2	Comparison of Magnesium II core-to-wing ratio observations during solar minimum 23/24. <i>Journal of Space Weather and Space Climate</i> , 2014, 4, A04.	3.3	78
3	Development and Application of a Compact, Tunable, Solid-State Airborne Ozone Lidar System for Boundary Layer Profiling. <i>Journal of Atmospheric and Oceanic Technology</i> , 2011, 28, 1258-1272.	1.3	64
4	An Improved Lyman- α Composite. <i>Earth and Space Science</i> , 2019, 6, 2263-2272.	2.6	56
5	Preliminary measurements with an automated compact differential absorption lidar for the profiling of water vapor. <i>Applied Optics</i> , 2004, 43, 3110.	2.1	48
6	New Solar Irradiance Measurements from the Miniature X-Ray Solar Spectrometer Cubesat. <i>Astrophysical Journal</i> , 2017, 835, 122.	4.5	37
7	Evaluation of OVATION Prime as a forecast model for visible aurorae. <i>Space Weather</i> , 2012, 10, .	3.7	34
8	Solar Irradiance Variability: Modeling the Measurements. <i>Earth and Space Science</i> , 2020, 7, e2019EA000645.	2.6	23
9	Optical studies of IV- VI quantum dots. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 207, 427-434.	2.6	22
10	First Detection of Solar Flare Emission in Mid-ultraviolet Balmer Continuum. <i>Astrophysical Journal Letters</i> , 2018, 867, L24.	8.3	19
11	Comparison of the pseudorandom noise code and pulsed direct-detection lidars for atmospheric probing. <i>Applied Optics</i> , 1997, 36, 6021.	2.1	16
12	The GOES-R EUVS model for EUV irradiance variability. <i>Journal of Space Weather and Space Climate</i> , 2019, 9, A43.	3.3	14
13	A Revised Magnesium II Core-to-Wing Ratio From SORCE SOLSTICE. <i>Earth and Space Science</i> , 2019, 6, 2106-2114.	2.6	13
14	Scanning tropospheric ozone and aerosol lidar with double-gated photomultipliers. <i>Applied Optics</i> , 2009, 48, 512.	2.1	11
15	Solar Spectral Proxy Irradiance from GOES (SSPRING): a model for solar EUV irradiance. <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A10.	3.3	8
16	Preliminary measurements with an automated compact differential absorption lidar for the profiling of water vapor: errata. <i>Applied Optics</i> , 2006, 45, 3544.	2.1	5
17	GOES-R Series Solar X-ray and Ultraviolet Irradiance. , 2020, , 233-242.		5
18	Observation of a Flare and Filament Eruption in Lyman- α on 8 September 2011 by the PProject for OnBoard Autonomy/Large Yield Radiometer (PROBA2/LYRA). <i>Solar Physics</i> , 2022, 297, 1.	2.5	4

#	ARTICLE	IF	CITATIONS
19	Identification and replacement of proton-contaminated real-time ACE solar wind measurements. Space Weather, 2013, 11, 434-440.	3.7	3
20	Tunable ultraviolet femtosecond pulses at kilohertz repetition rates. Applied Optics, 1992, 31, 836.	2.1	1
21	Magnesium II Index measurements from SORCE SOLSTICE and GOES-16 EUVS. Proceedings of the International Astronomical Union, 2018, 13, 167-168.	0.0	1