

Dan Lubin

List of Publications by Year in descending order

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52
papers

2,122
citations

304743

22
h-index

233421

45
g-index

53
all docs

53
docs citations

53
times ranked

2461
citing authors

#	ARTICLE	IF	CITATIONS
1	Indirect and Semi-direct Aerosol Campaign. Bulletin of the American Meteorological Society, 2011, 92, 183-201.	3.3	228
2	Effects of clouds and stratospheric ozone depletion on ultraviolet radiation trends. Nature, 1995, 377, 710-713.	27.8	205
3	A climatologically significant aerosol longwave indirect effect in the Arctic. Nature, 2006, 439, 453-456.	27.8	185
4	ULTRAVIOLET RADIATION IN ANTARCTICA: INHIBITION OF PRIMARY PRODUCTION. Photochemistry and Photobiology, 1993, 58, 567-570.	2.5	137
5	Tropospheric clouds in Antarctica. Reviews of Geophysics, 2012, 50, .	23.0	124
6	January 2016 extensive summer melt in West Antarctica favoured by strong El Niño. Nature Communications, 2017, 8, 15799.	12.8	116
7	Measurements of enhanced springtime ultraviolet radiation at Palmer Station, Antarctica. Geophysical Research Letters, 1989, 16, 783-785.	4.0	113
8	The Ultraviolet Radiation Environment of the Antarctic Peninsula: The Roles of Ozone and Cloud Cover. Journal of Applied Meteorology and Climatology, 1991, 30, 478-493.	1.7	110
9	The Atmospheric Infrared Sounder version 6 cloud products. Atmospheric Chemistry and Physics, 2014, 14, 399-426.	4.9	99
10	Meteorological Drivers and Large-Scale Climate Forcing of West Antarctic Surface Melt. Journal of Climate, 2019, 32, 665-684.	3.2	62
11	Longwave radiative forcing of Indian Ocean tropospheric aerosol. Journal of Geophysical Research, 2002, 107, INX2 3-1.	3.3	58
12	The Impact of Antarctic Cloud Radiative Properties on a GCM Climate Simulation*. Journal of Climate, 1998, 11, 447-462.	3.2	54
13	AWARE: The Atmospheric Radiation Measurement (ARM) West Antarctic Radiation Experiment. Bulletin of the American Meteorological Society, 2020, 101, E1069-E1091.	3.3	46
14	Remote Sensing of Surface and Cloud Properties in the Arctic from AVHRR Measurements. Journal of Applied Meteorology and Climatology, 1999, 38, 989-1012.	1.7	43
15	Antarctic Peninsula mesoscale cyclone variability and climatic impacts influenced by the SAM. Geophysical Research Letters, 2008, 35, .	4.0	41
16	Cloud scattering optical depth and local surface albedo in the Antarctic: Simultaneous retrieval using ground-based radiometry. Journal of Geophysical Research, 1995, 100, 21091.	3.3	34
17	West Antarctic Ice Sheet Cloud Cover and Surface Radiation Budget from NASA A-Train Satellites. Journal of Climate, 2017, 30, 6151-6170.	3.2	33
18	Total sea ice concentration retrieval from the SSM/I 85.5 GHz channels during the arctic summer. Remote Sensing of Environment, 1997, 62, 63-76.	11.0	31

#	ARTICLE	IF	CITATIONS
19	High summertime aerosol organic functional group concentrations from marine and seabird sources at Ross Island, Antarctica, during AWARE. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8571-8587.	4.9	31
20	Short wave versus long wave radiative forcing by Indian Ocean aerosols: Role of sea-surface winds. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	28
21	Impact of a deep ozone hole on Southern Ocean primary production. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	28
22	Unique manifestations of mixed-phase cloud microphysics over Ross Island and the Ross Ice Shelf, Antarctica. <i>Geophysical Research Letters</i> , 2016, 43, 2936-2945.	4.0	27
23	Microphysical examination of excess cloud absorption in the tropical atmosphere. <i>Journal of Geophysical Research</i> , 1996, 101, 16961-16972.	3.3	22
24	Cloud Radiative Properties over the South Pole from AVHRR Infrared Data. <i>Journal of Climate</i> , 1996, 9, 3405-3418.	3.2	20
25	Mixed-phase cloud radiative properties over Ross Island, Antarctica: The influence of various synoptic-scale atmospheric circulation regimes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6702-6723.	3.3	20
26	Expected magnitude of the aerosol shortwave indirect effect in springtime Arctic liquid water clouds. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	17
27	Arctic Radiation-IceBridge Sea and Ice Experiment: The Arctic Radiant Energy System during the Critical Seasonal Ice Transition. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1399-1426.	3.3	17
28	Infrared Radiative Properties Of the Maritime Antarctic Atmosphere. <i>Journal of Climate</i> , 1994, 7, 121-140.	3.2	16
29	Observational quantification of a total aerosol indirect effect in the Arctic. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 62, 181.	1.6	15
30	The influence of mixed-phase clouds on surface shortwave irradiance during the Arctic spring. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	15
31	Measurement of surface radiation fluxes and cloud optical properties during the 1994 Arctic Ocean Section. <i>Journal of Geophysical Research</i> , 1997, 102, 4275-4286.	3.3	14
32	Cloud Properties over the North Slope of Alaska: Identifying the Prevailing Meteorological Regimes. <i>Journal of Climate</i> , 2012, 25, 8238-8258.	3.2	14
33	Comparison of Antarctic and Arctic Single-Layer Stratiform Mixed-Phase Cloud Properties Using Ground-Based Remote Sensing Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10186-10204.	3.3	14
34	Increased greenhouse gases enhance regional climate response to a Maunder Minimum. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	11
35	Remote Sensing of Earth's Polar Regions: Opportunities for Computational Science. <i>Computing in Science and Engineering</i> , 2007, 9, 58-71.	1.2	10
36	Spectral Longwave Emission in the Tropics: FTIR Measurement at the Sea Surface and Comparison with Fast Radiation Codes. <i>Journal of Climate</i> , 1995, 8, 286-295.	3.2	9

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37	Thermodynamic phase of maritime Antarctic clouds from FTIR and supplementary radiometric data. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	9
38	Energetics of surface melt in West Antarctica. <i>Cryosphere</i> , 2021, 15, 3459-3494.	3.9	9
39	Variability in AIRS-retrieved cloud amount and thermodynamic phase over west versus east Antarctica influenced by the SAM. <i>Geophysical Research Letters</i> , 2015, 42, 1259-1267.	4.0	7
40	Monte Carlo Study of UAV-Measurable Albedo over Arctic Sea Ice. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018, 35, 57-66.	1.3	7
41	Assessment of a three dimensional model for atmospheric radiative transfer over heterogeneous land cover. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	4.0	6
42	Significance of multidimensional radiative transfer effects measured in surface fluxes at an Antarctic coastline. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 10-1.	3.3	5
43	Increased exposure of Southern Ocean phytoplankton to ultraviolet radiation. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	5
44	Cloud Optical Properties Over West Antarctica From Shortwave Spectroradiometer Measurements During AWARE. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9559-9570.	3.3	5
45	Ultraviolet radiation environment of Antarctica: 1. Effect of sea ice on top-of-atmosphere albedo and on satellite retrievals. <i>Journal of Geophysical Research</i> , 2001, 106, 33453-33461.	3.3	4
46	Linescan camera evaluation of SSM/I 85.5 GHz sea ice retrieval. <i>Remote Sensing of Environment</i> , 2002, 83, 472-487.	11.0	4
47	Increasing reflectivity of the Antarctic ocean-atmosphere system: Analysis of Total Ozone Mapping Spectrometer (TOMS) and passive microwave data for 1979-1994. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	4
48	Infrared Radiative Properties of the Antarctic Plateau from AVHRR Data. Part I: Effect of the Snow Surface. <i>Journal of Applied Meteorology and Climatology</i> , 2004, 43, 350-362.	1.7	4
49	Transect method for Antarctic cloud property retrieval using AVHRR data. <i>International Journal of Remote Sensing</i> , 2011, 32, 2887-2903.	2.9	3
50	Evaluating the principles of cloud remote sensing with AVHRR and MAS imagery over SHEBA. <i>Journal of Geophysical Research</i> , 2002, 107, SHE 10-1.	3.3	2
51	Derivation of a threshold function for the Advanced Very High Resolution Radiometer 3.75 μm channel and its application in automatic cloud discrimination over snow/ice surfaces. <i>International Journal of Remote Sensing</i> , 2004, 25, 2995-3017.	2.9	1
52	Examination of Humidity and Ice Supersaturation Profiles Over West Antarctica Using Ground-Based G-Band Radiometer Retrievals. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-16.	6.3	0