Vincent Noel

List of Publications by Year
in descending order

47 papers	1,524 citations	331538 21 h-index	330025 37 g-index
68 all docs	68 docs citations	68 times ranked	1566 citing authors

#	Article	IF	Citations
1	Comparison of scattering ratio profiles retrieved from ALADIN/Aeolus and CALIOP/CALIPSO observations and preliminary estimates of cloud fraction profiles. Atmospheric Measurement Techniques, 2022, 15, 1055-1074.	1.2	4
2	Link Between Opaque Cloud Properties and Atmospheric Dynamics in Observations and Simulations of Current Climate in the Tropics, and Impact on Future Predictions. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033899.	1.2	4
3	The diurnal cycle of the clouds extending above the tropical tropopause observed by spaceborne lidar. Atmospheric Chemistry and Physics, 2020, 20, 3921-3929.	1.9	8
4	Cloud Occurrence Frequency at Puy de DÃ´me (France) Deduced from an Automatic Camera Image Analysis: Method, Validation, and Comparisons with Larger Scale Parameters. Atmosphere, 2019, 10, 808.	1.0	8
5	Diurnal variations of cloud and relative humidity profiles across the tropics. Scientific Reports, 2019, 9, 16045.	1.6	32
6	Space lidar observations constrain longwave cloud feedback. Scientific Reports, 2018, 8, 16570.	1.6	15
7	How Well Are Clouds Simulated over Greenland in Climate Models? Consequences for the Surface Cloud Radiative Effect over the Ice Sheet. Journal of Climate, 2018, 31, 9293-9312.	1.2	12
8	The Potential of a Multidecade Spaceborne Lidar Record to Constrain Cloud Feedback. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5433-5454.	1.2	15
9	The diurnal cycle of cloud profiles over land and ocean between 51Â°â€‰S and 51Â°â€‰N, seen by the CATS spaceborne lidar from the International Space Station. Atmospheric Chemistry and Physics, 2018, 18, 9457-9473.	1.9	56
10	Direct atmosphere opacity observations from CALIPSO provide new constraints on cloudâ€radiation interactions. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1066-1085.	1.2	38
11	Using Space Lidar Observations to Decompose Longwave Cloud Radiative Effect Variations Over the Last Decade. Geophysical Research Letters, 2017, 44, 11,994.	1.5	10
12	Greenland Clouds Observed in <i>CALIPSO</i>-GOCCP: Comparison with Ground-Based Summit Observations. Journal of Climate, 2017, 30, 6065-6083.	1.2	18
13	Observational Constraints on Cloud Feedbacks: The Role of Active Satellite Sensors. Surveys in Geophysics, 2017, 38, 1483-1508.	2.1	24
14	The link between outgoing longwave radiation and the altitude at which a spaceborne lidar beam is fully attenuated. Atmospheric Measurement Techniques, 2017, 10, 4659-4685.	1.2	16
15	Observational Constraints on Cloud Feedbacks: The Role of Active Satellite Sensors. Space Sciences Series of ISSI, 2017, , 311-336.	0.0	1
16	Using in situ airborne measurements to evaluate three cloud phase products derived from CALIPSO. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5788-5808.	1.2	71
17	Remote sensing ice supersaturation inside and near cirrus clouds: a case study in the subtropics. Atmospheric Science Letters, 2016, 17, 639-645.	0.8	1
18	An EarthCARE/ATLID simulator to evaluate cloud description in climate models. Journal of Geophysical Research D: Atmospheres, 2015, 120, 11,090.	1.2	17

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19	Effects of solar activity on noise in CALIOP profiles above the South Atlantic Anomaly. Atmospheric Measurement Techniques, 2014, 7, 1597-1603.	1.2	14
20	Where and when will we observe cloud changes due to climate warming?. Geophysical Research Letters, 2014, 41, 8387-8395.	1.5	56
21	A decadal cirrus clouds climatology from ground-based and spaceborne lidars above the south of France (43.9Â° Nâ€"5.7Â° E). Atmospheric Chemistry and Physics, 2013, 13, 6951-6963.	1.9	26
22	On the origin of subvisible cirrus clouds in the tropical upper troposphere. Atmospheric Chemistry and Physics, 2012, 12, 12081-12101.	1.9	19
23	Gravity wave events from mesoscale simulations, compared to polar stratospheric clouds observed from spaceborne lidar over the Antarctic Peninsula. Journal of Geophysical Research, 2012, 117, .	3.3	21
24	Properties of cirrus and subvisible cirrus from nighttime Cloud-Aerosol Lidar with Orthogonal Polarization (CALIOP), related to atmospheric dynamics and water vapor. Journal of Geophysical Research, 2011, 116, .	3.3	51
25	Macrophysical and optical properties of midlatitude cirrus clouds from four groundâ€based lidars and collocated CALIOP observations. Journal of Geophysical Research, 2010, 115, .	3.3	42
26	A global view of horizontally oriented crystals in ice clouds from Cloudâ€Aerosol Lidar and Infrared Pathfinder Satellite Observation (CALIPSO). Journal of Geophysical Research, 2010, 115, .	3.3	70
27	Thermodynamic phase profiles of optically thin midlatitude clouds and their relation to temperature. Journal of Geophysical Research, 2010, 115, .	3.3	16
28	Reply to comment by Poole et al. on â€œA tropical â€˜NATâ€likeâ€™ belt observed from spaceâ€. Geophysical Research Letters, 2009, 36, .	1.5	3
29	CALIPSO observations of waveâ€induced PSCs with nearâ€unity optical depth over Antarctica in 2006â€"2007. Journal of Geophysical Research, 2009, 114, .	3.3	17
30	A tropical â€œNATâ€likeâ€ belt observed from space. Geophysical Research Letters, 2009, 36, .	1.5	10
31	Polar stratospheric clouds over Antarctica from the CALIPSO spaceborne lidar. Journal of Geophysical Research, 2008, 113, .	3.3	46
32	Comparison of CALIPSO-Like, LaRC, and MODIS Retrievals of Ice-Cloud Properties over SIRTA in France and Florida during CRYSTAL-FACE. Journal of Applied Meteorology and Climatology, 2007, 46, 249-272.	0.6	30
33	SIRTA, a multi-sensor platform for clouds and aerosols characterization in the atmosphere: infrastructure, objective and prospective. , 2007, 6750, 343.		1
34	Extinction coefficients retrieved in deep tropical ice clouds from lidar observations using a CALIPSO-like algorithm compared to in-situ measurements from the cloud integrating nephelometer during CRYSTAL-FACE. Atmospheric Chemistry and Physics, 2007, 7, 1415-1422.	1.9	15
35	Midlatitude cirrus clouds and multiple tropopauses from a 2002â€"2006 climatology over the SIRTA observatory. Journal of Geophysical Research, 2007, 112, .	3.3	16
36	Simple relation between lidar multiple scattering and depolarization for water clouds. Optics Letters, 2006, 31, 1809.	1.7	84

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37	Classification of Ice Crystal Shapes in Midlatitude Ice Clouds from Three Years of Lidar Observations over the SIRTA Observatory. Journals of the Atmospheric Sciences, 2006, 63, 2978-2991.	0.6	26
38	Dual Lidar Observations at 10.6 Î¼m and 532 nm for Retrieving Semitransparent Cirrus Cloud Properties. Journal of Applied Meteorology and Climatology, 2006, 45, 537-555.	0.6	3
39	Study of Planar Ice Crystal Orientations in Ice Clouds from Scanning Polarization Lidar Observations. Journal of Applied Meteorology and Climatology, 2005, 44, 653-664.	1.7	99
40	SIRTA, a ground-based atmospheric observatory for cloud and aerosol research. Annales Geophysicae, 2005, 23, 253-275.	0.6	240
41	Particle habit in tropical ice clouds during CRYSTAL-FACE: Comparison of two remote sensing techniques with in situ observations. Journal of Geophysical Research, 2005, 110, .	3.3	10
42	Classification of particle shapes from lidar depolarization ratio in convective ice clouds compared to in situ observations during CRYSTAL-FACE. Journal of Geophysical Research, 2004, 109, .	3.3	41
43	Study of Ice Crystal Orientation in Cirrus Clouds Based on Satellite Polarized Radiance Measurements. Journals of the Atmospheric Sciences, 2004, 61, 2073-2081.	0.6	63
44	Improving Retrievals of Cirrus Cloud Particle Size Coupling Lidar and Three-Channel Radiometric Techniques. Monthly Weather Review, 2004, 132, 1684-1700.	0.5	26
45	Classification of particle effective shape ratios in cirrus clouds based on the lidar depolarization ratio. Applied Optics, 2002, 41, 4245.	2.1	79
46	Analysis of lidar measurements of ice clouds at multiple incidence angles. Geophysical Research Letters, 2002, 29, 52-1-52-4.	1.5	17
47	Computation of a single-scattering matrix for nonspherical particles randomly or horizontally oriented in space. Applied Optics, 2001, 40, 4365.	2.1	29