

Virginie Buchard

List of Publications by Year in descending order

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19
papers

6,522
citations

567144

15
h-index

794469

19
g-index

21
all docs

21
docs citations

21
times ranked

8616
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass concentration estimates of long-range-transported Canadian biomass burning aerosols from a multi-wavelength Raman polarization lidar and a ceilometer in Finland. Atmospheric Measurement Techniques, 2021, 14, 6159-6179.	1.2	3
2	A global modelâ€“measurement evaluation of particle light scattering coefficients at elevated relative humidity. Atmospheric Chemistry and Physics, 2020, 20, 10231-10258.	1.9	19
3	Observations of the Interaction and Transport of Fine Mode Aerosols With Cloud and/or Fog in Northeast Asia From Aerosol Robotic Network and Satellite Remote Sensing. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5560-5587.	1.2	49
4	Retrievals of aerosol microphysics from simulations of spaceborne multiwavelength lidar measurements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 205, 27-39.	1.1	12
5	The Modern-Era Retrospective Analysis for Research and Applications, Version 2 (MERRA-2). Journal of Climate, 2017, 30, 5419-5454.	1.2	4,520
6	The MERRA-2 Aerosol Reanalysis, 1980 Onward. Part I: System Description and Data Assimilation Evaluation. Journal of Climate, 2017, 30, 6823-6850.	1.2	739
7	The MERRA-2 Aerosol Reanalysis, 1980 Onward. Part II: Evaluation and Case Studies. Journal of Climate, 2017, 30, 6851-6872.	1.2	469
8	Evaluation of PM surface concentrations simulated by Version 1 of NASA's MERRA Aerosol Reanalysis over Europe. Atmospheric Pollution Research, 2017, 8, 374-382.	1.8	39
9	Simulation of the Ozone Monitoring Instrument aerosol index using the NASA Goddard Earth Observing System aerosol reanalysis products. Atmospheric Measurement Techniques, 2017, 10, 4121-4134.	1.2	19
10	Evaluation of PM2.5 Surface Concentrations Simulated by Version 1 of NASAâ€™s MERRA Aerosol Reanalysis over Israel and Taiwan. Aerosol and Air Quality Research, 2017, 17, 253-261.	0.9	34
11	Evaluation of the surface PM2.5 in Version 1 of the NASA MERRA Aerosol Reanalysis over the United States. Atmospheric Environment, 2016, 125, 100-111.	1.9	169
12	Interpreting the ultraviolet aerosol index observed with the OMI satellite instrument to understand absorption by organic aerosols: implications for atmospheric oxidation and direct radiative effects. Atmospheric Chemistry and Physics, 2016, 16, 2507-2523.	1.9	91
13	Using the OMI aerosol index and absorption aerosol optical depth to evaluate the NASA MERRA Aerosol Reanalysis. Atmospheric Chemistry and Physics, 2015, 15, 5743-5760.	1.9	184
14	Evaluation of GEOS-5 sulfur dioxide simulations during the Frostburg, MD 2010 field campaign. Atmospheric Chemistry and Physics, 2014, 14, 1929-1941.	1.9	37
15	Aerosol single scattering albedo retrieved from ground-based measurements in the UV and visible region. Atmospheric Measurement Techniques, 2011, 4, 1-7.	1.2	18
16	Aerosol Single Scattering Albedo retrieval in the UV range: an application to OMI satellite validation. Atmospheric Chemistry and Physics, 2010, 10, 331-340.	1.9	32
17	Comparison of OMI ozone and UV irradiance data with ground-based measurements at two French sites. Atmospheric Chemistry and Physics, 2008, 8, 4517-4528.	1.9	77
18	Measurements of UV aerosol optical depth in the French Southern Alps. Atmospheric Chemistry and Physics, 2008, 8, 6597-6602.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Validation of UV-visible aerosol optical thickness retrieved from spectroradiometer measurements. Atmospheric Chemistry and Physics, 2008, 8, 4655-4663.	1.9	6