

Virginie Buchard

List of Publications by Year in descending order

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Version: 2024-02-01

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 | The Modern-Era Retrospective Analysis for Research and Applications, Version 2 (MERRA-2). <i>Journal of Climate</i> , 2017, 30, 5419-5454. | 1.2 | 4,520 |
| 2 | The MERRA-2 Aerosol Reanalysis, 1980 Onward. Part I: System Description and Data Assimilation Evaluation. <i>Journal of Climate</i> , 2017, 30, 6823-6850. | 1.2 | 739 |
| 3 | The MERRA-2 Aerosol Reanalysis, 1980 Onward. Part II: Evaluation and Case Studies. <i>Journal of Climate</i> , 2017, 30, 6851-6872. | 1.2 | 469 |
| 4 | Using the OMI aerosol index and absorption aerosol optical depth to evaluate the NASA MERRA Aerosol Reanalysis. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5743-5760. | 1.9 | 184 |
| 5 | Evaluation of the surface PM _{2.5} in Version 1 of the NASA MERRA Aerosol Reanalysis over the United States. <i>Atmospheric Environment</i> , 2016, 125, 100-111. | 1.9 | 169 |
| 6 | 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. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2507-2523. | 1.9 | 91 |
| 7 | Comparison of OMI ozone and UV irradiance data with ground-based measurements at two French sites. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4517-4528. | 1.9 | 77 |
| 8 | 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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5560-5587. | 1.2 | 49 |
| 9 | Evaluation of PM surface concentrations simulated by Version 1 of NASA's MERRA Aerosol Reanalysis over Europe. <i>Atmospheric Pollution Research</i> , 2017, 8, 374-382. | 1.8 | 39 |
| 10 | Evaluation of GEOS-5 sulfur dioxide simulations during the Frostburg, MD 2010 field campaign. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1929-1941. | 1.9 | 37 |
| 11 | Evaluation of PM _{2.5} Surface Concentrations Simulated by Version 1 of NASA's MERRA Aerosol Reanalysis over Israel and Taiwan. <i>Aerosol and Air Quality Research</i> , 2017, 17, 253-261. | 0.9 | 34 |
| 12 | Aerosol Single Scattering Albedo retrieval in the UV range: an application to OMI satellite validation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 331-340. | 1.9 | 32 |
| 13 | Simulation of the Ozone Monitoring Instrument aerosol index using the NASA Goddard Earth Observing System aerosol reanalysis products. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 4121-4134. | 1.2 | 19 |
| 14 | A global model measurement evaluation of particle light scattering coefficients at elevated relative humidity. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10231-10258. | 1.9 | 19 |
| 15 | Aerosol single scattering albedo retrieved from ground-based measurements in the UV and visible region. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 1-7. | 1.2 | 18 |
| 16 | Retrievals of aerosol microphysics from simulations of spaceborne multiwavelength lidar measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 205, 27-39. | 1.1 | 12 |
| 17 | Validation of UV-visible aerosol optical thickness retrieved from spectroradiometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4655-4663. | 1.9 | 6 |
| 18 | Measurements of UV aerosol optical depth in the French Southern Alps. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 6597-6602. | 1.9 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |