

# Jeffrey Reid

## List of Publications by Year in descending order

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188  
papers

17,460  
citations

22099

59  
h-index

17055

122  
g-index

224  
all docs

224  
docs citations

224  
times ranked

10103  
citing authors

#	ARTICLE	IF	CITATIONS
1	Retrieving particulate matter concentrations over the contiguous United States using CALIOP observations. <i>Atmospheric Environment</i> , 2022, 274, 118979.	1.9	2
2	Inferring iron-oxide species content in atmospheric mineral dust from DSCOVR EPIC observations. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 1395-1423.	1.9	13
3	A Coupled Evaluation of Operational MODIS and Model Aerosol Products for Maritime Environments Using Sun Photometry: Evaluation of the Fine and Coarse Mode. <i>Remote Sensing</i> , 2022, 14, 2978.	1.8	6
4	Development of an Ozone Monitoring Instrument (OMI) aerosol index (AI) data assimilation scheme for aerosol modeling over bright surfaces – a step toward direct radiance assimilation in the UV spectrum. <i>Geoscientific Model Development</i> , 2021, 14, 27-42.	1.3	10
5	Measurement report: Long-range transport patterns into the tropical northwest Pacific during the CAMP&lt;sup&gt;2&lt;/sup&lt;sup&gt;2&lt;/sup&lt;/sup&gt;Ex aircraft campaign: chemical composition, size distributions, and the impact of convection. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3777-3802.	1.9	22
6	Peat-forest burning smoke in Maritime Continent: Impacts on receptor PM2.5 and implications at emission sources. <i>Environmental Pollution</i> , 2021, 275, 116626.	3.7	9
7	Measurement report: Firework impacts on air quality in Metro Manila, Philippines, during the 2019 New Year revelry. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6155-6173.	1.9	14
8	Improving WRF-Chem meteorological analyses and forecasts over aerosol polluted regions by incorporating NAAPS aerosol analyses. <i>Journal of Applied Meteorology and Climatology</i> , 2021, , .	0.6	4
9	Total organic carbon and the contribution from speciated organics in cloud water: airborne data analysis from the CAMP&lt;sup&gt;2&lt;/sup&lt;sup&gt;2&lt;/sup&lt;/sup&gt;Ex field campaign. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14109-14129.	1.9	10
10	First Retrieval of AOD at Fine Resolution Over Shallow and Turbid Coastal Waters From MODIS. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094344.	1.5	6
11	First retrieval of absorbing aerosol height over dark target using TROPOMI oxygen B band: Algorithm development and application for surface particulate matter estimates. <i>Remote Sensing of Environment</i> , 2021, 265, 112674.	4.6	13
12	Community Challenges and Prospects in the Operational Forecasting of Extreme Biomass Burning Smoke. , 2021, , .		0
13	Nighttime smoke aerosol optical depth over U.S. rural areas: First retrieval from VIIRS moonlight observations. <i>Remote Sensing of Environment</i> , 2021, 267, 112717.	4.6	15
14	Detecting nighttime fire combustion phase by hybrid application of visible and infrared radiation from Suomi NPP VIIRS. <i>Remote Sensing of Environment</i> , 2020, 237, 111466.	4.6	32
15	Albedo Impacts of Changing Agricultural Practices in the United States through Space-Borne Analysis. <i>Remote Sensing</i> , 2020, 12, 2887.	1.8	3
16	Predicting Vertical Concentration Profiles in the Marine Atmospheric Boundary Layer With a Markov Chain Random Walk Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032731.	1.2	1
17	Insights into coarse particle optics based on field evidence of particle morphology, chemical composition and internal structure. <i>Atmospheric Environment</i> , 2020, 232, 117338.	1.9	9
18	An algorithm for hyperspectral remote sensing of aerosols: 3. Application to the GEO-TASO data in KORUS-AQ field campaign. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 253, 107161.	1.1	16

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19	An Integrated Method for Identifying Present Status and Risk of Drought in Bangladesh. Remote Sensing, 2020, 12, 2686.	1.8	6
20	An Eye on the Storm: Integrating a Wealth of Data for Quickly Advancing the Physical Understanding and Forecasting of Tropical Cyclones. Bulletin of the American Meteorological Society, 2020, 101, E1718-E1742.	1.7	8
21	Investigating size-segregated sources of elemental composition of particulate matter in the South China Sea during the 2011 &lt;i>Vasco</i> cruise. Atmospheric Chemistry and Physics, 2020, 20, 1255-1276.	1.9	23
22	Development of a nighttime shortwave radiative transfer model for remote sensing of nocturnal aerosols and fires from VIIRS. Remote Sensing of Environment, 2020, 241, 111727.	4.6	18
23	Environmental Controls on Tropical Sea Breeze Convection and Resulting Aerosol Redistribution. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031699.	1.2	8
24	The Uncharacteristic Occurrence of the June 2013 Biomass-Burning Haze Event in Southeast Asia: Effects of the Madden-Julian Oscillation and Tropical Cyclone Activity. Atmosphere, 2020, 11, 55.	1.0	8
25	Revisiting the relationship between Atlantic dust and tropical cyclone activity using aerosol optical depth reanalyses: 2003â€“2018. Atmospheric Chemistry and Physics, 2020, 20, 15357-15378.	1.9	19
26	Leveraging spatial textures, through machine learning, to identify aerosols and distinct cloud types from multispectral observations. Atmospheric Measurement Techniques, 2020, 13, 5459-5480.	1.2	14
27	Detecting Layer Height of Smoke and Dust Aerosols Over Vegetated Land and Water Surfaces via Oxygen Absorption Bands. , 2020, , .		0
28	Evaluating Sensitivities of Economic Factors through Coupled Economicsâ€“ALMANAC Model System. Agronomy Journal, 2019, 111, 1865-1878.	0.9	1
29	Detecting layer height of smoke aerosols over vegetated land and water surfaces via oxygen absorption bands: hourly results from EPIC/DSCOVR in deep space. Atmospheric Measurement Techniques, 2019, 12, 3269-3288.	1.2	40
30	Characterization and application of artificial light sources for nighttime aerosol optical depth retrievals using the Visible Infrared Imager Radiometer Suite Day/Night Band. Atmospheric Measurement Techniques, 2019, 12, 3209-3222.	1.2	17
31	Observations and hypotheses related to low to middle free tropospheric aerosol, water vapor and altocumulus cloud layers within convective weather regimes: a SEAC&lt;sup>4</sup>/RS case study. Atmospheric Chemistry and Physics, 2019, 19, 11413-11442.	1.9	4
32	&lt;i>A Tale of Two Dust Storms</i>: analysis of a complex dust event in the Middle East. Atmospheric Measurement Techniques, 2019, 12, 5101-5118.	1.2	14
33	On the Relative Sensitivity of a Tropical Deep Convective Storm to Changes in Environment and Cloud Microphysical Parameters. Journals of the Atmospheric Sciences, 2019, 76, 1163-1185.	0.6	14
34	A bulk-mass-modeling-based method for retrieving particulate matter pollution using CALIOP observations. Atmospheric Measurement Techniques, 2019, 12, 1739-1754.	1.2	18
35	Current state of the global operational aerosol multiâ€“model ensemble: An update from the International Cooperative for Aerosol Prediction (ICAP). Quarterly Journal of the Royal Meteorological Society, 2019, 145, 176-209.	1.0	66
36	AERONET Remotely Sensed Measurements and Retrievals of Biomass Burning Aerosol Optical Properties During the 2015 Indonesian Burning Season. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4722-4740.	1.2	40

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37	Impacts of peat-forest smoke on urban PM <sub>2.5</sub> in the Maritime Continent during 2012–2015: Carbonaceous profiles and indicators. <i>Environmental Pollution</i> , 2019, 248, 496-505.	3.7	40
38	An Eye on the Storm: Uncovering Multi-Variate Relationships with a Science-Driven System For Interactive Analysis and Visualization; Motivating Machine-Learning Discoveries for Hurricane Rapid Intensity Changes. , 2019, , .		0
39	Investigation of CATS aerosol products and application toward global diurnal variation of aerosols. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12687-12707.	1.9	20
40	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
41	An overview of mesoscale aerosol processes, comparisons, and validation studies from DRAGON networks. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 655-671.	1.9	72
42	Chemical characterization of PM <sub>2.5</sub> collected from a rural coastal island of the Bay of Bengal (Bhola,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.7	12
43	Status and future of numerical atmospheric aerosol prediction with a focus on data requirements. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10615-10643.	1.9	64
44	Exploring the first aerosol indirect effect over Southeast Asia using a 10-year collocated MODIS, CALIOP, and model dataset. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12747-12764.	1.9	20
45	Minimum aerosol layer detection sensitivities and their subsequent impacts on aerosol optical thickness retrievals in CALIPSO level 2 data products. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 499-514.	1.2	40
46	Parameterized Vertical Concentration Profiles for Aerosols in the Marine Atmospheric Boundary Layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9688-9702.	1.2	7
47	Role of the Madden–Julian Oscillation in the Transport of Smoke From Sumatra to the Malay Peninsula During Severe Non-El Niño Haze Events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6282-6294.	1.2	17
48	Assessing the Challenges of Surface-Level Aerosol Mass Estimates From Remote Sensing During the SEAC <sup>4</sup> RS and SEARCH Campaigns: Baseline Surface Observations and Remote Sensing in the Southeastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7530-7562.	1.2	13
49	A quantitative assessment of distributions and sources of tropospheric halocarbons measured in Singapore. <i>Science of the Total Environment</i> , 2018, 619-620, 528-544.	3.9	13
50	Ground-based High Spectral Resolution Lidar observation of aerosol vertical distribution in the summertime Southeast United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2970-3004.	1.2	35
51	An algorithm for hyperspectral remote sensing of aerosols: 2. Information content analysis for aerosol parameters and principal components of surface spectra. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 192, 14-29.	1.1	40
52	Mesoscale modeling of smoke transport from equatorial Southeast Asian Maritime Continent to the Philippines: First comparison of ensemble analysis with in situ observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5380-5398.	1.2	18
53	Dew water chemical composition and source characterization in the IGP outflow location (coastal) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	16
54	Has China been exporting less particulate air pollution over the past decade?. <i>Geophysical Research Letters</i> , 2017, 44, 2941-2948.	1.5	63

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55	Assimilation of AERONET and MODIS AOT observations using variational and ensemble data assimilation methods and its impact on aerosol forecasting skill. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4967-4992.	1.2	47
56	Passive remote sensing of altitude and optical depth of dust plumes using the oxygen A and B bands: First results from EPIC/DSCOVR at Lagrange point. <i>Geophysical Research Letters</i> , 2017, 44, 7544-7554.	1.5	69
57	Factors That Modulate Properties of Primary Marine Aerosol Generated From Ambient Seawater on Ships at Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,961.	1.2	22
58	A study of 15-year aerosol optical thickness and direct shortwave aerosol radiative effect trends using MODIS, MISR, CALIOP and CERES. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 13849-13868.	1.9	32
59	Size-resolved aerosol and cloud condensation nuclei (CCN) properties in the remote marine South China Sea – Part 1: Observations and source classification. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1105-1123.	1.9	28
60	Modes of vertical thermodynamic and wind variability over the Maritime Continent. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 4611-4626.	1.9	5
61	MODIS Retrieval of Aerosol Optical Depth over Turbid Coastal Water. <i>Remote Sensing</i> , 2017, 9, 595.	1.8	25
62	An 11-year global gridded aerosol optical thickness reanalysis (v1.0) for atmospheric and climate sciences. <i>Geoscientific Model Development</i> , 2016, 9, 1489-1522.	1.3	149
63	An algorithm for hyperspectral remote sensing of aerosols: 1. Development of theoretical framework. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 178, 400-415.	1.1	45
64	Temporal variability of aerosol optical thickness vertical distribution observed from CALIOP. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9117-9139.	1.2	25
65	Planning, implementation, and scientific goals of the Studies of Emissions and Atmospheric Composition, Clouds and Climate Coupling by Regional Surveys (SEACRS) field mission. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4967-5009.	1.2	158
66	Aerosol meteorology of the Maritime Continent for the 2012 7SEAS southwest monsoon intensive study – Part 1: regional-scale phenomena. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14041-14056.	1.9	28
67	Aerosol meteorology of Maritime Continent for the 2012 7SEAS southwest monsoon intensive study – Part 2: Philippine receptor observations of fine-scale aerosol behavior. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14057-14078.	1.9	38
68	An evaluation of the impact of aerosol particles on weather forecasts from a biomass burning aerosol event over the Midwestern United States: observational-based analysis of surface temperature. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 6475-6494.	1.9	29
69	Development of the Ensemble Navy Aerosol Analysis Prediction System (ENAAPS) and its application of the Data Assimilation Research Testbed (DART) in support of aerosol forecasting. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3927-3951.	1.9	56
70	Investigating the frequency and interannual variability in global above-cloud aerosol characteristics with CALIOP and OMI. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 47-69.	1.9	22
71	Surface dimming by the 2013 Rim Fire simulated by a sectional aerosol model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7079-7087.	1.2	16
72	Investigation of the relative fine and coarse mode aerosol loadings and properties in the Southern Arabian Gulf region. <i>Atmospheric Research</i> , 2016, 169, 171-182.	1.8	10

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73	Relationship between Aerosol Optical Depth and Particulate Matter over Singapore: Effects of Aerosol Vertical Distributions. <i>Aerosol and Air Quality Research</i> , 2016, 16, 2818-2830.	0.9	30
74	Development towards a global operational aerosol consensus: basic climatological characteristics of the International Cooperative for Aerosol Prediction Multi-Model Ensemble (ICAP-MME). <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 335-362.	1.9	76
75	Observations of the temporal variability in aerosol properties and their relationships to meteorology in the summer monsoonal South China Sea/East Sea: the scale-dependent role of monsoonal flows, the Madden-Julian Oscillation, tropical cyclones, squall lines and cold pools. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1745-1768.	1.9	39
76	Corrigendum to "Development towards a global operational aerosol consensus: basic climatological characteristics of the International Cooperative for Aerosol Prediction Multi-Model Ensemble (ICAP-MME)" published in <i>Atmos. Chem. Phys.</i> , 15, 335-362, 2015. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2533-2534.	1.9	2
77	An improved method for retrieving nighttime aerosol optical thickness from the VIIRS Day/Night Band. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 4773-4783.	1.2	34
78	A theoretical study of the effect of subsurface oceanic bubbles on the enhanced aerosol optical depth band over the southern oceans as detected from MODIS and MISR. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 2149-2160.	1.2	3
79	Sensitivity of infrared sea surface temperature retrievals to the vertical distribution of airborne dust aerosol. <i>Remote Sensing of Environment</i> , 2015, 159, 1-13.	4.6	18
80	Evaluating the impact of multisensor data assimilation on a global aerosol particle transport model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 4674-4689.	1.2	53
81	Critical evaluation of cloud contamination in the MISR aerosol products using MODIS cloud mask products. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 1791-1801.	1.2	63
82	Verification and application of the extended spectral deconvolution algorithm (SDA+) methodology to estimate aerosol fine and coarse mode extinction coefficients in the marine boundary layer. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3399-3412.	1.2	25
83	Evaluating the impact of aerosol particles above cloud on cloud optical depth retrievals from MODIS. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 5410-5423.	1.2	22
84	Mesoscale modeling of smoke transport over the Southeast Asian Maritime Continent: coupling of smoke direct radiative effect below and above the low-level clouds. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 159-174.	1.9	67
85	Observations of rapid aerosol optical depth enhancements in the vicinity of polluted cumulus clouds. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 11633-11656.	1.9	58
86	Impact of data quality and surface-to-column representativeness on the PM <sub>2.5</sub> / satellite AOD relationship for the contiguous United States. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6049-6062.	1.9	60
87	Operational Dust Prediction. , 2014, , 223-265.		28
88	Impacts of biomass burning smoke on the distributions and concentrations of C <sub>2</sub> -C <sub>5</sub> dicarboxylic acids and dicarboxylates in a tropical urban environment. <i>Atmospheric Environment</i> , 2013, 78, 211-218.	1.9	35
89	Aerosol particle vertical distributions and optical properties over Singapore. <i>Atmospheric Environment</i> , 2013, 79, 599-613.	1.9	35
90	An overview of regional experiments on biomass burning aerosols and related pollutants in Southeast Asia: From BASE-ASIA and the Dongsha Experiment to 7-SEAS. <i>Atmospheric Environment</i> , 2013, 78, 1-19.	1.9	166

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91	Characterizing the vertical profile of aerosol particle extinction and linear depolarization over Southeast Asia and the Maritime Continent: The 2007–2009 view from CALIOP. <i>Atmospheric Research</i> , 2013, 122, 520-543.	1.8	79
92	Chemical speciation of trace metals emitted from Indonesian peat fires for health risk assessment. <i>Atmospheric Research</i> , 2013, 122, 571-578.	1.8	98
93	Size resolved measurements of springtime aerosol particles over the northern South China Sea. <i>Atmospheric Environment</i> , 2013, 78, 134-143.	1.9	33
94	Analysis of source regions for smoke events in Singapore for the 2009 El Nino burning season. <i>Atmospheric Environment</i> , 2013, 78, 219-230.	1.9	45
95	Smoke aerosol transport patterns over the Maritime Continent. <i>Atmospheric Research</i> , 2013, 122, 469-485.	1.8	70
96	Patterns of fire activity over Indonesia and Malaysia from polar and geostationary satellite observations. <i>Atmospheric Research</i> , 2013, 122, 504-519.	1.8	69
97	Physical and optical characteristics of the October 2010 haze event over Singapore: A photometric and lidar analysis. <i>Atmospheric Research</i> , 2013, 122, 555-570.	1.8	55
98	Investigating enhanced Aqua MODIS aerosol optical depth retrievals over the mid-to-high latitude Southern Oceans through intercomparison with co-located CALIOP, MAN, and AERONET data sets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4700-4714.	1.2	56
99	Observing and understanding the Southeast Asian aerosol system by remote sensing: An initial review and analysis for the Seven Southeast Asian Studies (7SEAS) program. <i>Atmospheric Research</i> , 2013, 122, 403-468.	1.8	269
100	Mesoscale modeling of smoke transport over the Southeast Asian Maritime Continent: Interplay of sea breeze, trade wind, typhoon, and topography. <i>Atmospheric Research</i> , 2013, 122, 486-503.	1.8	97
101	From BASE-ASIA toward 7-SEAS: A satellite-surface perspective of boreal spring biomass-burning aerosols and clouds in Southeast Asia. <i>Atmospheric Environment</i> , 2013, 78, 20-34.	1.9	64
102	Ensemble filter based estimation of spatially distributed parameters in a mesoscale dust model: experiments with simulated and real data. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3481-3500.	1.9	25
103	A seasonal trend of single scattering albedo in southern African biomass-burning particles: Implications for satellite products and estimates of emissions for the world's largest biomass-burning source. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6414-6432.	1.2	99
104	Preliminary investigations toward nighttime aerosol optical depth retrievals from the VIIRS Day/Night Band. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 1245-1255.	1.2	58
105	Critical evaluation of the MODIS Deep Blue aerosol optical depth product for data assimilation over North Africa. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 949-969.	1.2	90
106	Evaluating nighttime CALIOP 0.532 $\mu$ m aerosol optical depth and extinction coefficient retrievals. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2143-2160.	1.2	56
107	Multi-scale meteorological conceptual analysis of observed active fire hotspot activity and smoke optical depth in the Maritime Continent. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 2117-2147.	1.9	134
108	Fog- and cloud-induced aerosol modification observed by the Aerosol Robotic Network (AERONET). <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	99

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109	International Cooperative for Aerosol Prediction Workshop on Aerosol Forecast Verification. Bulletin of the American Meteorological Society, 2011, 92, ES48-ES53.	1.7	14
110	Multiangle implementation of atmospheric correction (MAIAC): 2. Aerosol algorithm. Journal of Geophysical Research, 2011, 116, .	3.3	284
111	Evaluating the impact of assimilating CALIOP-derived aerosol extinction profiles on a global mass transport model. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	70
112	An over-land aerosol optical depth data set for data assimilation by filtering, correction, and aggregation of MODIS Collection 5 optical depth retrievals. Atmospheric Measurement Techniques, 2011, 4, 379-408.	1.2	237
113	A sensitivity study on the effects of particle chemistry, asphericity and size on the mass extinction efficiency of mineral dust in the earth's atmosphere: from the near to thermal IR. Atmospheric Chemistry and Physics, 2011, 11, 1527-1547.	1.9	38
114	Emission factors for open and domestic biomass burning for use in atmospheric models. Atmospheric Chemistry and Physics, 2011, 11, 4039-4072.	1.9	1,527
115	An analysis of the collection 5 MODIS over-ocean aerosol optical depth product for its implication in aerosol assimilation. Atmospheric Chemistry and Physics, 2011, 11, 557-565.	1.9	154
116	Tropical cirrus cloud contamination in sun photometer data. Atmospheric Environment, 2011, 45, 6724-6731.	1.9	131
117	Observations of Saharan dust microphysical and optical properties from the Eastern Atlantic during NAMMA airborne field campaign. Atmospheric Chemistry and Physics, 2011, 11, 723-740.	1.9	80
118	A critical examination of spatial biases between MODIS and MISR aerosol products – application for potential AERONET deployment. Atmospheric Measurement Techniques, 2011, 4, 2823-2836.	1.2	93
119	International Operational Aerosol Observability Workshop. Bulletin of the American Meteorological Society, 2011, 92, ES21-ES24.	1.7	19
120	Maritime aerosol network as a component of AERONET – first results and comparison with global aerosol models and satellite retrievals. Atmospheric Measurement Techniques, 2011, 4, 583-597.	1.2	152
121	A decadal regional and global trend analysis of the aerosol optical depth using a data-assimilation grade over-water MODIS and Level 2 MISR aerosol products. Atmospheric Chemistry and Physics, 2010, 10, 10949-10963.	1.9	328
122	CALIOP Aerosol Subset Processing for Global Aerosol Transport Model Data Assimilation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 203-214.	2.3	30
123	An Assessment of the Surface Longwave Direct Radiative Effect of Airborne Saharan Dust during the NAMMA Field Campaign. Journals of the Atmospheric Sciences, 2010, 67, 1048-1065.	0.6	58
124	Climatological aspects of the optical properties of fine/coarse mode aerosol mixtures. Journal of Geophysical Research, 2010, 115, .	3.3	325
125	A conceptual model for the link between Central American biomass burning aerosols and severe weather over the south central United States. Environmental Research Letters, 2009, 4, 015003.	2.2	43
126	Global Monitoring and Forecasting of Biomass-Burning Smoke: Description of and Lessons From the Fire Locating and Modeling of Burning Emissions (FLAMBE) Program. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2009, 2, 144-162.	2.3	294



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127	Introduction to the Issue on Fostering Applications of Earth Observations of the Atmosphere. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2009, 2, 142-143.	2.3	0
128	Introduction to the Issue on Fostering Applications of Earth Observations of the Atmosphere—Part II. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2009, 2, 270-270.	2.3	0
129	An analysis of clear sky and contextual biases using an operational over ocean MODIS aerosol product. Geophysical Research Letters, 2009, 36, .	1.5	56
130	Impact of modeled versus satellite measured tropical precipitation on regional smoke optical thickness in an aerosol transport model. Geophysical Research Letters, 2009, 36, .	1.5	35
131	Optical properties of boreal region biomass burning aerosols in central Alaska and seasonal variation of aerosol optical depth at an Arctic coastal site. Journal of Geophysical Research, 2009, 114, .	3.3	123
132	Baseline uncertainties in biomass burning emission models resulting from spatial error in satellite active fire location data. Geophysical Research Letters, 2009, 36, .	1.5	42
133	Haboob dust storms of the southern Arabian Peninsula. Journal of Geophysical Research, 2008, 113, .	3.3	129
134	Spatial and temporal variability of column-integrated aerosol optical properties in the southern Arabian Gulf and United Arab Emirates in summer. Journal of Geophysical Research, 2008, 113, .	3.3	119
135	Coarse mode optical information retrievable using ultraviolet to short-wave infrared Sun photometry: Application to United Arab Emirates Unified Aerosol Experiment data. Journal of Geophysical Research, 2008, 113, .	3.3	23
136	A system for operational aerosol optical depth data assimilation over global oceans. Journal of Geophysical Research, 2008, 113, .	3.3	210
137	An overview of UAE flight operations: Observations of summertime atmospheric thermodynamic and aerosol profiles of the southern Arabian Gulf. Journal of Geophysical Research, 2008, 113, .	3.3	34
138	A Multisensor satellite-based assessment of biomass burning aerosol radiative impact over Amazonia. Journal of Geophysical Research, 2008, 113, .	3.3	24
139	A climatological study of the sea and land breezes in the Arabian Gulf region. Journal of Geophysical Research, 2008, 113, .	3.3	67
140	Dynamics of southwest Asian dust particle size characteristics with implications for global dust research. Journal of Geophysical Research, 2008, 113, .	3.3	98
141	Remote sensing of mineral dust aerosol using AERI during the UAE: A modeling and sensitivity study. Journal of Geophysical Research, 2008, 113, .	3.3	20
142	Correction to Robust optical features of fine mode size distributions: Application to the Qubec smoke event of 2002. Journal of Geophysical Research, 2008, 113, .	3.3	5
143	Strategy for studying nocturnal aerosol optical depth using artificial lights. International Journal of Remote Sensing, 2008, 29, 4599-4613.	1.3	33
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