

# Jeffrey Reid

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207  
papers

13,983  
citations

55  
h-index

115  
g-index

224  
ext. papers

15,712  
ext. citations

5.5  
avg, IF

6.15  
L-index

#	Paper	IF	Citations
207	Retrieving particulate matter concentrations over the contiguous United States using CALIOP observations. <i>Atmospheric Environment</i> , <b>2022</b> , 274, 118979	5.3	0
206	Inferring iron-oxide species content in atmospheric mineral dust from DSCOVR EPIC observations. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 1395-1423	6.8	1
205	Nighttime smoke aerosol optical depth over U.S. rural areas: First retrieval from VIIRS moonlight observations. <i>Remote Sensing of Environment</i> , <b>2021</b> , 267, 112717	13.2	4
204	Measurement report: Long-range transport patterns into the tropical northwest Pacific during the CAMP&sup&gt;2&lt;/sup&gt;Ex aircraft campaign: chemical composition, size distributions, and the impact of convection. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 3777-3802	6.8	3
203	Peat-forest burning smoke in Maritime Continent: Impacts on receptor PM and implications at emission sources. <i>Environmental Pollution</i> , <b>2021</b> , 275, 116626	9.3	3
202	Measurement report: Firework impacts on air quality in Metro Manila, Philippines, during the 2019 New Year revelry. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 6155-6173	6.8	3
201	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> , <b>2021</b> , 14, 27-42	6.3	1
200	Total organic carbon and the contribution from speciated organics in cloud water: airborne data analysis from the CAMP&sup&gt;2&lt;/sup&gt;Ex field campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 14109-14129	6.8	2
199	First Retrieval of AOD at Fine Resolution Over Shallow and Turbid Coastal Waters From MODIS. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL094344	4.9	1
198	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> , <b>2021</b> , 265, 112674	13.2	5
197	An Eye on the Storm: Integrating a Wealth of Data for Quickly Advancing the Physical Understanding and Forecasting of Tropical Cyclones. <i>Bulletin of the American Meteorological Society</i> , <b>2020</b> , 101, E1718-E1742	6.1	7
196	Investigating size-segregated sources of elemental composition of particulate matter in the South China Sea during the 2011 &lt;i>Vasco&lt;/i> cruise. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 1255-1276	6.8	10
195	Development of a nighttime shortwave radiative transfer model for remote sensing of nocturnal aerosols and fires from VIIRS. <i>Remote Sensing of Environment</i> , <b>2020</b> , 241, 111727	13.2	8
194	Environmental Controls on Tropical Sea Breeze Convection and Resulting Aerosol Redistribution. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD031699	4.4	1
193	The Uncharacteristic Occurrence of the June 2013 Biomass-Burning Haze Event in Southeast Asia: Effects of the Madden-Julian Oscillation and Tropical Cyclone Activity. <i>Atmosphere</i> , <b>2020</b> , 11, 55	2.7	5
192	Revisiting the relationship between Atlantic dust and tropical cyclone activity using aerosol optical depth reanalyses: 2003&dash;2018. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 15357-15378	6.8	6
191	Leveraging spatial textures, through machine learning, to identify aerosols and distinct cloud types from multispectral observations. <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 5459-5480	4	6

190	Detecting nighttime fire combustion phase by hybrid application of visible and infrared radiation from Suomi NPP VIIRS. <i>Remote Sensing of Environment</i> , <b>2020</b> , 237, 111466	13.2	15
189	Albedo Impacts of Changing Agricultural Practices in the United States through Space-Borne Analysis. <i>Remote Sensing</i> , <b>2020</b> , 12, 2887	5	2
188	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> , <b>2020</b> , 125, e2020JD032731	4.4	9
187	Insights into coarse particle optics based on field evidence of particle morphology, chemical composition and internal structure. <i>Atmospheric Environment</i> , <b>2020</b> , 232, 117338	5.3	8
186	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> , <b>2020</b> , 253, 107167	2.1	4
185	An Integrated Method for Identifying Present Status and Risk of Drought in Bangladesh. <i>Remote Sensing</i> , <b>2020</b> , 12, 2686	5	5
184	Observations and hypotheses related to low to middle free tropospheric aerosol, water vapor and altocumulus cloud layers within convective weather regimes: a SEACRS case study. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 11413-11442	6.8	0
183	&i>A Tale of Two Dust Storms&i>; analysis of a complex dust event in the Middle East. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 5101-5118	4	9
182	On the Relative Sensitivity of a Tropical Deep Convective Storm to Changes in Environment and Cloud Microphysical Parameters. <i>Journals of the Atmospheric Sciences</i> , <b>2019</b> , 76, 1163-1185	2.1	9
181	A bulk-mass-modeling-based method for retrieving particulate matter pollution using CALIOP observations. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 1739-1754	4	13
180	Current state of the global operational aerosol multi-model ensemble: An update from the International Cooperative for Aerosol Prediction (ICAP). <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2019</b> , 145, 176-209	6.4	35
179	AERONET Remotely Sensed Measurements and Retrievals of Biomass Burning Aerosol Optical Properties During the 2015 Indonesian Burning Season. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 4722-4740	4.4	21
178	Impacts of peat-forest smoke on urban PM in the Maritime Continent during 2012-2015: Carbonaceous profiles and indicators. <i>Environmental Pollution</i> , <b>2019</b> , 248, 496-505	9.3	24
177	Evaluating Sensitivities of Economic Factors through Coupled Economics-ALMANAC Model System. <i>Agronomy Journal</i> , <b>2019</b> , 111, 1865-1878	2.2	1
176	Detecting layer height of smoke aerosols over vegetated land and water surfaces via oxygen absorption bands: hourly results from EPIC/DSCOVR in deep space. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 3269-3288	4	26
175	Characterization and application of artificial light sources for nighttime aerosol optical depth retrievals using the Visible Infrared Imager Radiometer Suite Day/Night Band. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 3209-3222	4	9
174	Investigation of CATS aerosol products and application toward global diurnal variation of aerosols. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 12687-12707	6.8	11
173	Observations of the Interaction and Transport of Fine Mode Aerosols with Cloud and/or Fog in Northeast Asia from Aerosol Robotic Network (AERONET) and Satellite Remote Sensing. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 5560-5587	4.4	33

172	An overview of mesoscale aerosol processes, comparisons, and validation studies from DRAGON networks. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 655-671	6.8	48
171	A quantitative assessment of distributions and sources of tropospheric halocarbons measured in Singapore. <i>Science of the Total Environment</i> , <b>2018</b> , 619-620, 528-544	10.2	9
170	Chemical characterization of PM collected from a rural coastal island of the Bay of Bengal (Bhola, Bangladesh). <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 4558-4569	5.1	7
169	Investigation of CATS aerosol products and application toward global diurnal variation of aerosols <b>2018</b> ,		2
168	Status and future of numerical atmospheric aerosol prediction with a focus on data requirements. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 10615-10643	6.8	34
167	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> , <b>2018</b> , 18, 12747-12764	6.8	9
166	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> , <b>2018</b> , 11, 499-514	4	29
165	Parameterized Vertical Concentration Profiles for Aerosols in the Marine Atmospheric Boundary Layer. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 9688-9702	4.4	5
164	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> , <b>2018</b> , 123, 6282-6294	4.4	12
163	Assessing the Challenges of Surface-Level Aerosol Mass Estimates From Remote Sensing During the SEAC4RS and SEARCH Campaigns: Baseline Surface Observations and Remote Sensing in the Southeastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 7530-7562	4.4	9
162	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> , <b>2017</b> , 122, 2970-3004	4.4	25
161	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> , <b>2017</b> , 192, 14-29	2.1	27
160	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> , <b>2017</b> , 122, 5380-5398	4.4	14
159	Dew water chemical composition and source characterization in the IGP outflow location (coastal Bhola, Bangladesh). <i>Air Quality, Atmosphere and Health</i> , <b>2017</b> , 10, 981-990	5.6	10
158	Has China been exporting less particulate air pollution over the past decade?. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 2941-2948	4.9	51
157	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> , <b>2017</b> , 122, 4967-4992	4.4	29
156	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-1 point. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7544-7554	4.9	53
155	Factors That Modulate Properties of Primary Marine Aerosol Generated From Ambient Seawater on Ships at Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 11,961-11,990	4.4	17

154	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> , <b>2017</b> , 17, 13849-13868	6.8	24
153	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> , <b>2017</b> , 17, 1105-1123	6.8	19
152	Modes of vertical thermodynamic and wind variability over the Maritime Continent. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 4611-4626	6.8	5
151	MODIS Retrieval of Aerosol Optical Depth over Turbid Coastal Water. <i>Remote Sensing</i> , <b>2017</b> , 9, 595	5	22
150	An overview of meso-scale aerosol processes, comparison and validation studies from DRAGON networks <b>2017</b> ,		4
149	Aerosol meteorology and Philippine receptor observations of Maritime Continent aerosol emissions for the 2012 7SEAS southwest monsoon intensive study <b>2016</b> ,		1
148	Planning, implementation, and scientific goals of the Studies of Emissions and Atmospheric Composition, Clouds and Climate Coupling by Regional Surveys (SEAC4RS) field mission. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 4967-5009	4.4	129
147	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> , <b>2016</b> , 16, 14041-14056	6.8	17
146	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> , <b>2016</b> , 16, 14057-14078	6.8	24
145	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> , <b>2016</b> , 16, 6475-6494	6.8	17
144	Development of the Ensemble Navy Aerosol Analysis Prediction System (ENAAAPS) and its application of the Data Assimilation Research Testbed (DART) in support of aerosol forecasting. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 3927-3951	6.8	38
143	Investigating the frequency and interannual variability in global above-cloud aerosol characteristics with CALIOP and OMI. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 47-69	6.8	18
142	Surface dimming by the 2013 Rim Fire simulated by a sectional aerosol model. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 7079-7087	4.4	13
141	Investigation of the relative fine and coarse mode aerosol loadings and properties in the Southern Arabian Gulf region. <i>Atmospheric Research</i> , <b>2016</b> , 169, 171-182	5.4	5
140	RELATIONSHIP BETWEEN AEROSOL OPTICAL DEPTH AND PARTICULATE MATTER OVER SINGAPORE: EFFECTS OF AEROSOL VERTICAL DISTRIBUTIONS. <i>Aerosol and Air Quality Research</i> , <b>2016</b> , 16, 2818-2830	4.6	21
139	An 11-year global gridded aerosol optical thickness reanalysis (v1.0) for atmospheric and climate sciences. <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 1489-1522	6.3	99
138	An algorithm for hyperspectral remote sensing of aerosols: 1. Development of theoretical framework. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2016</b> , 178, 400-415	2.1	31
137	Temporal variability of aerosol optical thickness vertical distribution observed from CALIOP. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 9117-9139	4.4	23

136	Investigating the frequency and trends in global above-cloud aerosol characteristics with CALIOP and OMI <b>2015</b> ,		1
135	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> , <b>2015</b> , 8, 2149-2160	4	1
134	Sensitivity of infrared sea surface temperature retrievals to the vertical distribution of airborne dust aerosol. <i>Remote Sensing of Environment</i> , <b>2015</b> , 159, 1-13	13.2	17
133	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> , <b>2015</b> , 15, 335-362	6.8	57
132	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> , <b>2015</b> , 15, 1745-1769	6.8	28
131	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> , <b>2015</b> , 15, 3533-3534	6.8	2
130	An improved method for retrieving nighttime aerosol optical thickness from the VIIRS Day/Night Band. <i>Atmospheric Measurement Techniques</i> , <b>2015</b> , 8, 4773-4783	4	24
129	An improved method for retrieving nighttime aerosol optical thickness from the VIIRS Day/Night Band <b>2015</b> ,		2
128	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> , <b>2014</b> , 14, 159-174	6.8	51
127	Observations of rapid aerosol optical depth enhancements in the vicinity of polluted cumulus clouds. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 11633-11656	6.8	46
126	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> , <b>2014</b> , 14, 6049-6062	6.8	50
125	Evaluating the impact of multisensor data assimilation on a global aerosol particle transport model. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 4674-4689	4.4	41
124	Critical evaluation of cloud contamination in the MISR aerosol products using MODIS cloud mask products. <i>Atmospheric Measurement Techniques</i> , <b>2014</b> , 7, 1791-1801	4	46
123	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> , <b>2014</b> , 7, 3399-3412	4	20
122	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 <b>2014</b> ,		1
121	Evaluating the impact of aerosol particles above cloud on cloud optical depth retrievals from MODIS. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 5410-5423	4.4	19
120	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 <b>2014</b> ,		1
119	Operational Dust Prediction <b>2014</b> , 223-265		21

118	Impacts of biomass burning smoke on the distributions and concentrations of C <sub>20</sub> dicarboxylic acids and dicarboxylates in a tropical urban environment. <i>Atmospheric Environment</i> , <b>2013</b> , 78, 211-218	5-3	30
117	Aerosol particle vertical distributions and optical properties over Singapore. <i>Atmospheric Environment</i> , <b>2013</b> , 79, 599-613	5-3	23
116	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> , <b>2013</b> , 78, 1-19	5-3	128
115	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> , <b>2013</b> , 122, 520-543	5-4	64
114	Chemical speciation of trace metals emitted from Indonesian peat fires for health risk assessment. <i>Atmospheric Research</i> , <b>2013</b> , 122, 571-578	5-4	76
113	Size resolved measurements of springtime aerosol particles over the northern South China Sea. <i>Atmospheric Environment</i> , <b>2013</b> , 78, 134-143	5-3	26
112	Analysis of source regions for smoke events in Singapore for the 2009 El Nino burning season. <i>Atmospheric Environment</i> , <b>2013</b> , 78, 219-230	5-3	35
111	Smoke aerosol transport patterns over the Maritime Continent. <i>Atmospheric Research</i> , <b>2013</b> , 122, 469-485	5-4	46
110	Patterns of fire activity over Indonesia and Malaysia from polar and geostationary satellite observations. <i>Atmospheric Research</i> , <b>2013</b> , 122, 504-519	5-4	51
109	Physical and optical characteristics of the October 2010 haze event over Singapore: A photometric and lidar analysis. <i>Atmospheric Research</i> , <b>2013</b> , 122, 555-570	5-4	47
108	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> , <b>2013</b> , 118, 4700-4714	4-4	47
107	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> , <b>2013</b> , 122, 403-468	5-4	207
106	Mesoscale modeling of smoke transport over the Southeast Asian Maritime Continent: Interplay of sea breeze, trade wind, typhoon, and topography. <i>Atmospheric Research</i> , <b>2013</b> , 122, 486-503	5-4	75
105	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> , <b>2013</b> , 78, 20-34	5-3	49
104	Preliminary investigations toward nighttime aerosol optical depth retrievals from the VIIRS day/night band <b>2013</b> ,		4
103	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> , <b>2013</b> , 13, 3481-3500	6-8	16
102	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> , <b>2013</b> , 118, 6414-6432	4-4	79
101	Preliminary investigations toward nighttime aerosol optical depth retrievals from the VIIRS Day/Night Band. <i>Atmospheric Measurement Techniques</i> , <b>2013</b> , 6, 1245-1255	4	43

100	Critical evaluation of the MODIS Deep Blue aerosol optical depth product for data assimilation over North Africa. <i>Atmospheric Measurement Techniques</i> , <b>2013</b> , 6, 949-969	4	71
99	Fog- and cloud-induced aerosol modification observed by the Aerosol Robotic Network (AERONET). <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		70
98	Evaluating nighttime CALIOP 0.532 $\mu\text{m}$ aerosol optical depth and extinction coefficient retrievals. <i>Atmospheric Measurement Techniques</i> , <b>2012</b> , 5, 2143-2160	4	48
97	Evaluating nighttime CALIOP 0.532 $\mu\text{m}$ aerosol optical depth and extinction coefficient retrievals <b>2012</b> ,		4
96	Critical evaluation of the MODIS Deep Blue aerosol optical depth product for data assimilation over North Africa <b>2012</b> ,		8
95	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> , <b>2012</b> , 12, 2117-2147	6.8	100
94	Multiangle implementation of atmospheric correction (MAIAC): 2. Aerosol algorithm. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		218
93	Evaluating the impact of assimilating CALIOP-derived aerosol extinction profiles on a global mass transport model. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	61
92	An over-land aerosol optical depth data set for data assimilation by filtering, correction, and aggregation of MODIS Collection 5 optical depth retrievals. <i>Atmospheric Measurement Techniques</i> , <b>2011</b> , 4, 379-408	4	195
91	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. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 1527-1547	6.8	31
90	Emission factors for open and domestic biomass burning for use in atmospheric models. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 4039-4072	6.8	1136
89	An analysis of the collection 5 MODIS over-ocean aerosol optical depth product for its implication in aerosol assimilation. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 557-565	6.8	130
88	Tropical cirrus cloud contamination in sun photometer data. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 6724-6731		106
87	International Cooperative for Aerosol Prediction Workshop on Aerosol Forecast Verification. <i>Bulletin of the American Meteorological Society</i> , <b>2011</b> , 92, ES48-ES53	6.1	10
86	Where do we need additional in situ aerosol and sun photometer data?: a critical examination of spatial biases between MODIS and MISR aerosol products <b>2011</b> ,		3
85	Observations of Saharan dust microphysical and optical properties from the Eastern Atlantic during NAMMA airborne field campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 723-740	6.8	67
84	Maritime Aerosol Network as a component of AERONET [first results and comparison with global aerosol models and satellite retrievals <b>2011</b> ,		3
83	A critical examination of spatial biases between MODIS and MISR aerosol products [application for potential AERONET deployment. <i>Atmospheric Measurement Techniques</i> , <b>2011</b> , 4, 2823-2836	4	80



82	International Operational Aerosol Observability Workshop. <i>Bulletin of the American Meteorological Society</i> , <b>2011</b> , 92, ES21-ES24	6.1	16
81	Maritime aerosol network as a component of AERONET [First results and comparison with global aerosol models and satellite retrievals. <i>Atmospheric Measurement Techniques</i> , <b>2011</b> , 4, 583-597	4	121
80	An Assessment of the Surface Longwave Direct Radiative Effect of Airborne Saharan Dust during the NAMMA Field Campaign. <i>Journals of the Atmospheric Sciences</i> , <b>2010</b> , 67, 1048-1065	2.1	46
79	An over-land aerosol optical depth data set for data assimilation by filtering, correction, and aggregation of MODIS Collection 5 optical depth retrievals <b>2010</b> ,		7
78	Climatological aspects of the optical properties of fine/coarse mode aerosol mixtures. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		276
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