

# John A Ogren

## List of Publications by Citations

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198  
papers

13,511  
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61  
h-index

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216  
ext. papers

14,757  
ext. citations

4.9  
avg, IF

5.8  
L-index

#	Paper	IF	Citations
198	Indian Ocean Experiment: An integrated analysis of the climate forcing and effects of the great Indo-Asian haze. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 28371-28398		1041
197	Determining Aerosol Radiative Properties Using the TSI 3563 Integrating Nephelometer. <i>Aerosol Science and Technology</i> , <b>1998</b> , 29, 57-69	3.4	682
196	Recommendations for reporting &quot;black carbon&quot; measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 8365-8379	6.8	635
195	Mobility particle size spectrometers: harmonization of technical standards and data structure to facilitate high quality long-term observations of atmospheric particle number size distributions. <i>Atmospheric Measurement Techniques</i> , <b>2012</b> , 5, 657-685	4	531
194	Towards Aerosol Light-Absorption Measurements with a 7-Wavelength Aethalometer: Evaluation with a Photoacoustic Instrument and 3-Wavelength Nephelometer. <i>Aerosol Science and Technology</i> , <b>2005</b> , 39, 17-29	3.4	448
193	Performance Characteristics of a High-Sensitivity, Three-Wavelength, Total Scatter/Backscatter Nephelometer. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>1996</b> , 13, 967-986	2	389
192	Quantifying and Minimizing Uncertainty of Climate Forcing by Anthropogenic Aerosols. <i>Bulletin of the American Meteorological Society</i> , <b>1994</b> , 75, 375-400	6.1	297
191	Characterization and intercomparison of aerosol absorption photometers: result of two intercomparison workshops. <i>Atmospheric Measurement Techniques</i> , <b>2011</b> , 4, 245-268	4	226
190	Evaluation of Multiangle Absorption Photometry for Measuring Aerosol Light Absorption. <i>Aerosol Science and Technology</i> , <b>2005</b> , 39, 40-51	3.4	218
189	Variability of Aerosol Optical Properties at Four North American Surface Monitoring Sites. <i>Journals of the Atmospheric Sciences</i> , <b>2002</b> , 59, 1135-1150	2.1	218
188	Organic material in the global troposphere. <i>Reviews of Geophysics</i> , <b>1983</b> , 21, 921	23.1	218
187	Characteristics, sources, and transport of aerosols measured in spring 2008 during the aerosol, radiation, and cloud processes affecting Arctic Climate (ARCPAC) Project. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 2423-2453	6.8	217
186	A 3-year record of simultaneously measured aerosol chemical and optical properties at Barrow, Alaska. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, AAC 8-1-AAC 8-15		202
185	The Reno Aerosol Optics Study: An Evaluation of Aerosol Absorption Measurement Methods. <i>Aerosol Science and Technology</i> , <b>2005</b> , 39, 1-16	3.4	199
184	Mesoscale Variations of Tropospheric Aerosols*. <i>Journals of the Atmospheric Sciences</i> , <b>2003</b> , 60, 119-136	2.1	194
183	Comparison of methods for deriving aerosol asymmetry parameter. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		188
182	Pan-Arctic enhancements of light absorbing aerosol concentrations due to North American boreal forest fires during summer 2004. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		180

181	Four years of continuous surface aerosol measurements from the Department of Energy's Atmospheric Radiation Measurement Program Southern Great Plains Cloud and Radiation Testbed site. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 20735-20747		169
180	Explaining global surface aerosol number concentrations in terms of primary emissions and particle formation. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 4775-4793	6.8	167
179	Variations and sources of the equivalent black carbon in the high Arctic revealed by long-term observations at Alert and Barrow: 1989-2003. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		167
178	Design and Calibration of a Counterflow Virtual Impactor for Sampling of Atmospheric Fog and Cloud Droplets. <i>Aerosol Science and Technology</i> , <b>1988</b> , 8, 235-244	3.4	160
177	Photoacoustic and filter-based ambient aerosol light absorption measurements: Instrument comparisons and the role of relative humidity. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, AAC 15-1		145
176	Direct aerosol forcing: Calculation from observables and sensitivities to inputs. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		138
175	Carbonaceous aerosols over the Indian Ocean during the Indian Ocean Experiment (INDOEX): Chemical characterization, optical properties, and probable sources. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, INX2 29-1		132
174	In-situ sampling of clouds with a droplet to aerosol converter. <i>Geophysical Research Letters</i> , <b>1985</b> , 12, 121-124	4.9	121
173	An assessment of aerosol-cloud interactions in marine stratus clouds based on surface remote sensing. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		120
172	An A-Train Strategy for Quantifying Direct Climate Forcing by Anthropogenic Aerosols. <i>Bulletin of the American Meteorological Society</i> , <b>2005</b> , 86, 1795-1810	6.1	119
171	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1983</b> , 35B, 241-254	3.3	119
170	Aerosol backscatter fraction and single scattering albedo: Measured values and uncertainties at a coastal station in the Pacific Northwest. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 26793-26807		116
169	Aerosol direct radiative effects over the northwest Atlantic, northwest Pacific, and North Indian Oceans: estimates based on in-situ chemical and optical measurements and chemical transport modeling. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 1657-1732	6.8	115
168	Intercomparison and evaluation of global aerosol microphysical properties among AeroCom models of a range of complexity. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 4679-4713	6.8	114
167	Hygroscopic growth of aerosol particles and its influence on nucleation scavenging in cloud: Experimental results from Kleiner Feldberg. <i>Journal of Atmospheric Chemistry</i> , <b>1994</b> , 19, 129-152	3.2	112
166	Prediction of cloud condensation nucleus number concentration using measurements of aerosol size distributions and composition and light scattering enhancement due to humidity. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		108
165	Comment on "Calibration and Intercomparison of Filter-Based Measurements of Visible Light Absorption by Aerosols" <i>Aerosol Science and Technology</i> , <b>2010</b> , 44, 589-591	3.4	105
164	CCN predictions using simplified assumptions of organic aerosol composition and mixing state: a synthesis from six different locations. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 4795-4807	6.8	105

163	Aerosol decadal trends [Part 1: In-situ optical measurements at GAW and IMPROVE stations. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 869-894	6.8	102
162	Spectral albedos of an alpine snowpack. <i>Cold Regions Science and Technology</i> , <b>1981</b> , 4, 121-127	3.8	99
161	INDOEX aerosol: A comparison and summary of chemical, microphysical, and optical properties observed from land, ship, and aircraft. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, INX2 32-1		98
160	Cloud droplets: Solute concentration is size dependent. <i>Journal of Geophysical Research</i> , <b>1988</b> , 93, 9477		98
159	Climatology of aerosol radiative properties in the free troposphere. <i>Atmospheric Research</i> , <b>2011</b> , 102, 365-393	5.4	97
158	Black carbon in the atmosphere and snow, from pre-industrial times until present. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 6809-6836	6.8	95
157	Aerosol retrievals from AVHRR radiances: effects of particle nonsphericity and absorption and an updated long-term global climatology of aerosol properties. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2003</b> , 79-80, 953-972	2.1	95
156	Aerosol Optical properties at Sagres, Portugal during ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2000</b> , 52, 694-715	3.3	92
155	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 556-569	3.3	92
154	Aerosol light scattering properties at Cape Grim, Tasmania, during the First Aerosol Characterization Experiment (ACE 1). <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 16565-16574		91
153	Observations of relative humidity effects on aerosol light scattering in the Yangtze River Delta of China. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 8439-8454	6.8	89
152	Aerosol optical, chemical and physical properties at Gosan, Korea during Asian dust and pollution episodes in 2001. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 39-50	5.3	86
151	Intercomparisons and Aerosol Calibrations of 12 Commercial Integrating Nephelometers of Three Manufacturers. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2006</b> , 23, 902-914	2	79
150	Spatial variability of submicrometer aerosol radiative properties over the Indian Ocean during INDOEX. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, INX2 10-1		74
149	Apportionment of light scattering and hygroscopic growth to aerosol composition. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 513-516	4.9	72
148	Racoro Extended-Term Aircraft Observations of Boundary Layer Clouds. <i>Bulletin of the American Meteorological Society</i> , <b>2012</b> , 93, 861-878	6.1	71
147	Measurement of relative humidity dependent light scattering of aerosols. <i>Atmospheric Measurement Techniques</i> , <b>2010</b> , 3, 39-50	4	70
146	Why Hasn't Earth Warmed as Much as Expected?. <i>Journal of Climate</i> , <b>2010</b> , 23, 2453-2464	4.4	68

145	In situ aerosol profiles over the Southern Great Plains cloud and radiation test bed site: 1. Aerosol optical properties. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109, n/a-n/a		68
144	Observations of the vertical and regional variability of aerosol optical properties over central and eastern North America. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 16793-16805		68
143	The Kleiner Feldberg Cloud Experiment 1990. An overview. <i>Journal of Atmospheric Chemistry</i> , <b>1994</b> , 19, 3-35	3.2	67
142	Evaluation of daytime measurements of aerosols and water vapor made by an operational Raman lidar over the Southern Great Plains. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		63
141	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1989</b> , 41B, 24-31	3.3	63
140	Long-term cloud condensation nuclei number concentration, particle number size distribution and chemical composition measurements at regionally representative observatories. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2853-2881	6.8	62
139	Aerosol decadal trends [Part 2: In-situ aerosol particle number concentrations at GAW and ACTRIS stations. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 895-916	6.8	61
138	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 448-468	3.3	61
137	The Po Valley Fog Experiment 1989. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 448-468	3.3	60
136	Evaporation of Ammonium Nitrate Aerosol in a Heated Nephelometer: Implications for Field Measurements. <i>Environmental Science &amp; Technology</i> , <b>1997</b> , 31, 2878-2883	10.3	58
135	Surface submicron aerosol chemical composition: What fraction is not sulfate?. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 6785-6805		57
134	Classifying aerosol type using in situ surface spectral aerosol optical properties. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 12097-12120	6.8	55
133	Measurement of the removal rate of elemental carbon from the atmosphere. <i>Science of the Total Environment</i> , <b>1984</b> , 36, 329-338	10.2	55
132	A multi-year study of lower tropospheric aerosol variability and systematic relationships from four North American regions. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 12487-12517	6.8	53
131	Changes in aerosol size- and phase distributions due to physical and chemical processes in fog. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 489-504	3.3	53
130	ARM Southern Great Plains Site Observations of the Smoke Pall Associated with the 1998 Central American Fires. <i>Bulletin of the American Meteorological Society</i> , <b>2000</b> , 81, 2563-2591	6.1	52
129	Seasonality of aerosol optical properties in the Arctic. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 11590-11623	6.8	50
128	Aerosol properties at a midlatitude northern hemisphere continental site. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 3019-3032		50

127	Phase partitioning of aerosol particles in clouds at Kleiner Feldberg. <i>Journal of Atmospheric Chemistry</i> , <b>1994</b> , 19, 107-127	3.2	50
126	Determination of elemental carbon in rainwater. <i>Analytical Chemistry</i> , <b>1983</b> , 55, 1569-1572	7.8	50
125	PARAGON: An Integrated Approach for Characterizing Aerosol Climate Impacts and Environmental Interactions. <i>Bulletin of the American Meteorological Society</i> , <b>2004</b> , 85, 1491-1502	6.1	49
124	Particulate air pollutants: A comparison of British Smoke with optical absorption coefficient and elemental carbon concentration. <i>Atmospheric Environment</i> , <b>1983</b> , 17, 2337-2341		49
123	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 489-504	3.3	46
122	On Aethalometer measurement uncertainties and an instrument correction factor for the Arctic. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 5039-5062	4	45
121	Aerosol light-scattering enhancement due to water uptake during the TCAP campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 7031-7043	6.8	45
120	An evaluation of three methods for measuring black carbon in Alert, Canada. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 15225-15243	6.8	45
119	The influence of aerosol particle composition on cloud droplet formation. <i>Journal of Atmospheric Chemistry</i> , <b>1994</b> , 19, 153-171	3.2	45
118	International Arctic Systems for Observing the Atmosphere: An International Polar Year Legacy Consortium. <i>Bulletin of the American Meteorological Society</i> , <b>2016</b> , 97, 1033-1056	6.1	44
117	In Situ Observations of Cirrus Cloud Microphysical Properties Using the Counterflow Virtual Impactor. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>1993</b> , 10, 294-303	2	44
116	Continuous light absorption photometer for long-term studies. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 4805-4818	4	43
115	Elemental carbon in the atmosphere: cycle and lifetime. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1983</b> , 35, 241-254	3.3	43
114	Evaluation of ground-based black carbon measurements by filter-based photometers at two Arctic sites. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 3544-3572	4.4	41
113	Observation of enhanced water vapor in Asian dust layer and its effect on atmospheric radiative heating rates. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4.9	41
112	Hygroscopic growth of aerosol particles in the Po Valley. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 556-569	3.3	41
111	Comparison of AOD, AAOD and column single scattering albedo from AERONET retrievals and in situ profiling measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 6041-6072	6.8	40
110	Coupling aerosol size distributions and size-resolved hygroscopicity to predict humidity-dependent optical properties and cloud condensation nuclei spectra. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		39

109	Microphysics of clouds at Kleiner Feldberg. <i>Journal of Atmospheric Chemistry</i> , <b>1994</b> , 19, 59-85	3.2	39
108	Seasonal differences in the vertical profiles of aerosol optical properties over rural Oklahoma. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 10661-10676	6.8	38
107	Comparison between lidar and nephelometer measurements of aerosol hygroscopicity at the Southern Great Plains Atmospheric Radiation Measurement site. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		38
106	Comparison of aerosol optical depth inferred from surface measurements with that determined by Sun photometry for cloud-free conditions at a continental U.S. site. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 6807-6816		38
105	Sensitivity of Retrieved Aerosol Properties to Assumptions in the Inversion of Spectral Optical Depths. <i>Journals of the Atmospheric Sciences</i> , <b>1996</b> , 53, 3669-3683	2.1	38
104	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 208-225	3.3	38
103	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 570-580	3.3	37
102	Vertical profiles of aerosol optical properties over central Illinois and comparison with surface and satellite measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 11695-11721	6.8	36
101	Implications for models and measurements of chemical inhomogeneities among cloud droplets. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 208-225	3.3	36
100	The size distribution of submicrometer particles within and about stratocumulus cloud droplets on Mt. Beskutan, Sweden. <i>Atmospheric Research</i> , <b>1989</b> , 24, 89-101	5.4	36
99	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 545-555	3.3	33
98	A global analysis of climate-relevant aerosol properties retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 4353-4392	4	32
97	Overview of the Cumulus Humilis Aerosol Processing Study. <i>Bulletin of the American Meteorological Society</i> , <b>2009</b> , 90, 1653-1668	6.1	31
96	Carbonaceous aerosols contributed by traffic and solid fuel burning at a polluted rural site in Northwestern England. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 1603-1619	6.8	31
95	Computer modelling of clouds at Kleiner Feldberg. <i>Journal of Atmospheric Chemistry</i> , <b>1994</b> , 19, 189-229	3.2	31
94	Californian forest fire plumes over Southwestern British Columbia: lidar, sunphotometry, and mountaintop chemistry observations. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 465-477	6.8	30
93	A Three-Wavelength Optical Extinction Cell for Measuring Aerosol Light Extinction and Its Application to Determining Light Absorption Coefficient. <i>Aerosol Science and Technology</i> , <b>2005</b> , 39, 52-67	3.4	30
92	Phase partitioning for different aerosol species in fog. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 545-555	3.3	30

91	Sources of discrepancy between aerosol optical depth obtained from AERONET and in-situ aircraft profiles. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 2987-3003	6.8	29
90	Aerosol optical properties at Mauna Loa Observatory: Long-range transport from Kuwait?. <i>Geophysical Research Letters</i> , <b>1992</b> , 19, 581-584	4.9	29
89	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1984</b> , 36B, 262-271	3.3	29
88	Collocated observations of cloud condensation nuclei, particle size distributions, and chemical composition. <i>Scientific Data</i> , <b>2017</b> , 4, 170003	8.2	27
87	Scattering and absorption coefficients vs. Chemical composition of fine atmospheric aerosol particles under regional conditions in Hungary. <i>Journal of Aerosol Science</i> , <b>1998</b> , 29, 1171-1178	4.3	27
86	An intercomparison of aerosol light extinction and 180° backscatter as derived using in situ instruments and Raman lidar during the INDOEX field campaign. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, INX2 13-1		27
85	Overview of the NOAA/ESRL Federated Aerosol Network. <i>Bulletin of the American Meteorological Society</i> , <b>2019</b> , 100, 123-135	6.1	26
84	Size distribution and optical properties of African mineral dust after intercontinental transport. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 7117-7138	4.4	25
83	Atmospheric Radiation Measurements Aerosol Intensive Operating Period: Comparison of aerosol scattering during coordinated flights. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		24
82	Relationship between long-range transported atmospheric black carbon and carbon monoxide at a high-altitude background station in East Asia. <i>Atmospheric Environment</i> , <b>2019</b> , 210, 86-99	5.3	23
81	Retrieval and climatology of the aerosol asymmetry parameter in the NOAA aerosol monitoring network. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		23
80	Preface to special section: Atmospheric Radiation Measurement Program May 2003 Intensive Operations Period examining aerosol properties and radiative influences. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		22
79	Aerosol Data Sources and Their Roles within PARAGON. <i>Bulletin of the American Meteorological Society</i> , <b>2004</b> , 85, 1511-1522	6.1	22
78	Aerosol optical properties during INDOEX based on measured aerosol particle size and composition. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, INX2 33-1		22
77	Airborne sampling system for plume monitoring. <i>Atmospheric Environment</i> , <b>1978</b> , 12, 613-620		22
76	Measurements of the size dependence of the concentration of nonvolatile material in fog droplets. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 570-580	3.3	22
75	Parameterization of the Aerosol Upscatter Fraction as Function of the Backscatter Fraction and Their Relationships to the Asymmetry Parameter for Radiative Transfer Calculations. <i>Atmosphere</i> , <b>2017</b> , 8, 133	2.7	21
74	Contributions of dust and biomass burning to aerosols at a Colorado mountain-top site. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 13665-13679	6.8	21

73	An examination of clouds at a mountain-top site in central Sweden: The distribution of solute within cloud droplets. <i>Atmospheric Research</i> , <b>1990</b> , 25, 3-15	5.4	21
72	In situ aerosol profiles over the Southern Great Plains cloud and radiation test bed site: 2. Effects of mixing height on aerosol properties. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109, n/a-n/a		19
71	Measurements of the absorption coefficient of stratospheric aerosols. <i>Geophysical Research Letters</i> , <b>1981</b> , 8, 9-12	4.9	19
70	Absorption of visible radiation by aerosols in the volcanic plume of mount st. Helens. <i>Science</i> , <b>1981</b> , 211, 834-6	33.3	19
69	Constrained two-stream algorithm for calculating aerosol light absorption coefficient from the Particle Soot Absorption Photometer. <i>Atmospheric Measurement Techniques</i> , <b>2014</b> , 7, 4049-4070	4	18
68	Comparisons of aerosol optical depth and surface shortwave irradiance and their effect on the aerosol surface radiative forcing estimation. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		18
67	Small crystals in cirriform clouds: A case study of residue size distribution, cloud water content and related cloud properties. <i>Atmospheric Research</i> , <b>1994</b> , 32, 125-141	5.4	18
66	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1991</b> , 43, 280-290	3.3	18
65	Stratospheric aerosol light absorption before and after El Chichon. <i>Geophysical Research Letters</i> , <b>1983</b> , 10, 1017-1020	4.9	18
64	The influence of fog and airmass history on aerosol optical, physical and chemical properties at Pt. Reyes National Seashore. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 2559-2568	5.3	17
63	Validation of aerosol extinction and water vapor profiles from routine Atmospheric Radiation Measurement Program Climate Research Facility measurements. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		17
62	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 505-521	3.3	17
61	Vertical profiles of aerosol properties in the summer troposphere of central Europe, scandinavia and the svalbard region. <i>Atmospheric Environment Part A General Topics</i> , <b>1991</b> , 25, 621-627		17
60	Annual cycle of Antarctic baseline aerosol: controlled by photooxidation-limited aerosol formation. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 3083-3093	6.8	16
59	Further developments in closure experiments for surface diffuse irradiance under cloud-free skies at a continental site. <i>Geophysical Research Letters</i> , <b>2004</b> , 31, n/a-n/a	4.9	16
58	SAM-CAAM: A Concept for Acquiring Systematic Aircraft Measurements to Characterize Aerosol Air Masses. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 2215-2228	6.1	15
57	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1998</b> , 50, 59-75	3.3	15
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