

Alexander Smirnov

List of Publications by Year in descending order

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139
papers

27,716
citations

20797

60
h-index

12585

132
g-index

163
all docs

163
docs citations

163
times ranked

9139
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground-based lidar measurements of aerosols during ACE-2: instrument description, results, and comparisons with other ground-based and airborne measurements. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 636.	0.8	102
2	Augmenting Heritage Ocean-Color Aerosol Models for Enhanced Remote Sensing of Inland and Nearshore Coastal Waters. <i>Frontiers in Remote Sensing</i> , 2022, 3, .	1.3	2
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	The retrieval of cloud properties based on spectral solar light diffuse transmittance measurements under optically thick cloud cover conditions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 251, 107008.	1.1	4
5	The Determination of Snow Albedo from Satellite Measurements Using Fast Atmospheric Correction Technique. <i>Remote Sensing</i> , 2020, 12, 234.	1.8	24
6	Influence of cloud, fog, and high relative humidity during pollution transport events in South Korea: Aerosol properties and PM2.5 variability. <i>Atmospheric Environment</i> , 2020, 232, 117530.	1.9	37
7	The AERONET Version 3 aerosol retrieval algorithm, associated uncertainties and comparisons to Version 2. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3375-3411.	1.2	176
8	Remote Sensing of Arctic Atmospheric Aerosols. <i>Springer Polar Sciences</i> , 2020, , 505-589.	0.0	0
9	Observationally constrained analysis of sea salt aerosol in the marine atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10773-10785.	1.9	40
10	Oceanic Aerosol Loading Derived From MISR's 4.4 km (V23) Aerosol Product. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10154-10174.	1.2	6
11	Global validation of columnar water vapor derived from EOS MODIS-MAIAC algorithm against the ground-based AERONET observations. <i>Atmospheric Research</i> , 2019, 225, 181-192.	1.8	32
12	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> , 2019, 124, 4722-4740.	1.2	40
13	Advancements in the Aerosol Robotic Network (AERONET) Version 3 database – automated near-real-time quality control algorithm with improved cloud screening for Sun photometer aerosol optical depth (AOD) measurements. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 169-209.	1.2	707
14	Intercomparison of aerosol volume size distributions derived from AERONET ground-based remote sensing and LARGE in situ aircraft profiles during the 2011–2014 DRAGON and DISCOVER-AQ experiments. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5289-5301.	1.2	9
15	Precipitable water vapor over oceans from the Maritime Aerosol Network: Evaluation of global models and satellite products under clear sky conditions. <i>Atmospheric Research</i> , 2019, 215, 294-304.	1.8	10
16	Limitations of AERONET SDA product in presence of cirrus clouds. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 206, 338-341.	1.1	11
17	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
18	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

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19	Aerosol Optical Characteristics Retrieved from CIMEL Sun Photometer Measurements (AERONET) near St. Petersburg. <i>Atmospheric and Oceanic Optics</i> , 2018, 31, 635-641.	0.6	13
20	Satellite Ocean Aerosol Retrieval (SOAR) Algorithm Extension to S&NPP VIIRS as Part of the "Deep Blue" Aerosol Project. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 380-400.	1.2	72
21	Variations in aerosol optical and microphysical characteristics along the route of Russian Antarctic Expeditions in the East Atlantic. <i>Atmospheric and Oceanic Optics</i> , 2017, 30, 89-102.	0.6	14
22	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
23	Evaluation of NASA Deep Blue/SOAR aerosol retrieval algorithms applied to AVHRR measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9945-9967.	1.2	39
24	Error analysis of integrated water vapor measured by CIMEL photometer. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2017, 53, 58-64.	0.2	9
25	Radiative characteristics of aerosol during extreme fire event over Siberia in summer 2012. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 179-198.	1.2	32
26	Maritime Aerosol Network optical depth measurements and comparison with satellite retrievals from various different sensors. , 2017, , .		2
27	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
28	Analysis of variability and the interrelations between characteristics of atmospheric aerosols according to data of multiyear measurements along eastern route of Russian Antarctic expeditions. , 2016, , .		0
29	Statistical study of day and night hourly patterns of columnar aerosol properties using sun and star photometry. <i>Proceedings of SPIE</i> , 2016, , .	0.8	6
30	An assessment of the quality of aerosol retrievals over the Red Sea and evaluation of the climatological cloud-free dust direct radiative effect in the region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 10,862-10,878.	1.2	24
31	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
32	Analysis of approaches to modeling the annual and spectral behaviors of atmospheric aerosol optical depth in Siberia and Primorye. <i>Atmospheric and Oceanic Optics</i> , 2015, 28, 145-157.	0.6	10
33	Spatial distribution of atmospheric aerosol optical depth over Atlantic Ocean along the route of Russian Antarctic expeditions. , 2015, , .		0
34	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
35	Aerosol remote sensing in polar regions. <i>Earth-Science Reviews</i> , 2015, 140, 108-157.	4.0	106
36	Intercomparison of aerosol single-scattering albedo derived from AERONET surface radiometers and LARGE in situ aircraft profiles during the 2011 DRAGON-MD and DISCOVER-AQ experiments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 7439-7452.	1.2	37

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37	Results of spectral measurements of atmospheric aerosol optical depth with sun photometers in the 58th Russian Antarctic Expedition. <i>Atmospheric and Oceanic Optics</i> , 2014, 27, 393-402.	0.6	13
38	On results of studies of atmospheric aerosol optical depth in arctic regions. <i>Atmospheric and Oceanic Optics</i> , 2014, 27, 517-528.	0.6	13
39	Annual behavior of the aerosol optical depth in some regions of Asian part of Russia. <i>Proceedings of SPIE</i> , 2014, , .	0.8	2
40	Latitudinal distribution of the aerosol optical depth over oceans in southern hemisphere. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
41	Evaluation of AERONET precipitable water vapor versus microwave radiometry, GPS, and radiosondes at ARM sites. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9596-9613.	1.2	100
42	AERONET-based models of smoke-dominated aerosol near source regions and transported over oceans, and implications for satellite retrievals of aerosol optical depth. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 11493-11523.	1.9	75
43	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
44	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
45	Influence of observed diurnal cycles of aerosol optical depth on aerosol direct radiative effect. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7895-7901.	1.9	32
46	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
47	Aerosol optical depths over oceans: A view from MISR retrievals and collocated MAN and AERONET in situ observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,620.	1.2	27
48	Effect of wind speed on aerosol optical depth over remote oceans, based on data from the Maritime Aerosol Network. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 377-388.	1.2	30
49	Smoke aerosol and its radiative effects during extreme fire event over Central Russia in summer 2010. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 557-568.	1.2	106
50	Corrigendum to "Accumulation of aerosols over the Indo-Gangetic plains and southern slopes of the Himalayas: distribution, properties and radiative effects during the 2009 pre-monsoon season" published in <i>Atmos. Chem. Phys.</i> , 11, 12841-12863, 2011. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1525-1525.	1.9	0
51	Estimating marine aerosol particle volume and number from Maritime Aerosol Network data. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8889-8909.	1.9	29
52	Assessment of error in aerosol optical depth measured by AERONET due to aerosol forward scattering. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	45
53	Fog- and cloud-induced aerosol modification observed by the Aerosol Robotic Network (AERONET). <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	99
54	SeaWiFS Ocean Aerosol Retrieval (SOAR): Algorithm, validation, and comparison with other data sets. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	108

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55	A pure marine aerosol model, for use in remote sensing applications. Journal of Geophysical Research, 2012, 117, .	3.3	77
56	Aerosol daytime variations over North and South America derived from multiyear AERONET measurements. Journal of Geophysical Research, 2012, 117, .	3.3	30
57	Evaluations of cirrus contamination and screening in ground aerosol observations using collocated lidar systems. Journal of Geophysical Research, 2012, 117, .	3.3	18
58	An analysis of AERONET aerosol absorption properties and classifications representative of aerosol source regions. Journal of Geophysical Research, 2012, 117, .	3.3	311
59	Evaluation and Wind Speed Dependence of MODIS Aerosol Retrievals Over Open Ocean. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 429-435.	2.7	31
60	Comparison of Moderate Resolution Imaging Spectroradiometer ocean aerosol retrievals with ship-based Sun photometer measurements from the Around the Americas expedition. Journal of Geophysical Research, 2011, 116, .	3.3	10
61	Reduction of aerosol absorption in Beijing since 2007 from MODIS and AERONET. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	27
62	Dust optical properties over North Africa and Arabian Peninsula derived from the AERONET dataset. Atmospheric Chemistry and Physics, 2011, 11, 10733-10741.	1.9	112
63	Investigating organic aerosol loading in the remote marine environment. Atmospheric Chemistry and Physics, 2011, 11, 8847-8860.	1.9	54
64	Accumulation of aerosols over the Indo-Gangetic plains and southern slopes of the Himalayas: distribution, properties and radiative effects during the 2009 pre-monsoon season. Atmospheric Chemistry and Physics, 2011, 11, 12841-12863.	1.9	232
65	Optical and microphysical parameters of the aerosol in the smoky atmosphere of the Moscow region in 2010. Doklady Earth Sciences, 2011, 437, 513-517.	0.2	34
66	Assessments of urban aerosol pollution in Moscow and its radiative effects. Atmospheric Measurement Techniques, 2011, 4, 367-378.	1.2	26
67	Multiyear Observations of the Tropical Atlantic Atmosphere: Multidisciplinary Applications of the NOAA Aerosols and Ocean Science Expeditions. Bulletin of the American Meteorological Society, 2011, 92, 765-789.	1.7	42
68	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
69	AEROSOL PROPERTIES IN MOSCOW ACCORDING TO 10 YEARS OF AERONET MEASUREMENTS AT THE METEOROLOGICAL OBSERVATORY OF MOSCOW STATE UNIVERSITY. Geography, Environment, Sustainability, 2011, 4, 19-32.	0.6	21
70	Validation of SeaWiFS and MODIS aerosol products with globally distributed AERONET data. Remote Sensing of Environment, 2010, 114, 230-250.	4.6	56
71	Climatological aspects of the optical properties of fine/coarse mode aerosol mixtures. Journal of Geophysical Research, 2010, 115, .	3.3	325
72	Optical and physical characteristics of Bay of Bengal aerosols during WāCICARB: Spatial and vertical heterogeneities in the marine atmospheric boundary layer and in the vertical column. Journal of Geophysical Research, 2010, 115, .	3.3	53

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73	Multiangule Imaging SpectroRadiometer global aerosol product assessment by comparison with the Aerosol Robotic Network. Journal of Geophysical Research, 2010, 115, .	3.3	459
74	Aerosol optical properties over the South Atlantic and Southern Ocean during the 140th cruise of the M/VS.A. Agulhas. Atmospheric Research, 2010, 98, 285-296.	1.8	12
75	Characteristics of the annual behavior of the spectral aerosol optical depth of the atmosphere under conditions of Siberia. Atmospheric and Oceanic Optics, 2009, 22, 446-456.	0.6	24
76	Aerosol optical properties at Nam Co, a remote site in central Tibetan Plateau. Atmospheric Research, 2009, 92, 42-48.	1.8	93
77	Columnar water vapor retrievals from multifilter rotating shadowband radiometer data. Journal of Geophysical Research, 2009, 114, .	3.3	67
78	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
79	Maritime Aerosol Network as a component of Aerosol Robotic Network. Journal of Geophysical Research, 2009, 114, .	3.3	258
80	Comparison of aerosol optical depths from the Ozone Monitoring Instrument (OMI) on Aura with results from airborne sunphotometry, other space and ground measurements during MILAGRO/INTEX-B. Atmospheric Chemistry and Physics, 2009, 9, 6743-6765.	1.9	46
81	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
82	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
83	Does the Madden-Julian Oscillation influence aerosol variability?. Journal of Geophysical Research, 2008, 113, .	3.3	63
84	Aerosol optical and microphysical properties over the Atlantic Ocean during the 19th cruise of the Research Vessel Akademik Sergey Vavilov. Journal of Geophysical Research, 2007, 112, .	3.3	19
85	How well do state-of-the-art techniques measuring the vertical profile of tropospheric aerosol extinction compare?. Journal of Geophysical Research, 2006, 111, .	3.3	74
86	Ship-based aerosol optical depth measurements in the Atlantic Ocean: Comparison with satellite retrievals and GOCART model. Geophysical Research Letters, 2006, 33, .	1.5	59
87	Local analysis of MISR surface BRDF and albedo over GSFC and mongu AERONET sites. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 1707-1718.	2.7	19
88	Aeronet's Version 2.0 quality assurance criteria. , 2006, 6408, 134.		179
89	MISR Calibration and Implications for Low-Light-Level Aerosol Retrieval over Dark Water. Journals of the Atmospheric Sciences, 2005, 62, 1032-1052.	0.6	65
90	Aerosol load characterization over South-East Italy for one year of AERONET sun-photometer measurements. Atmospheric Research, 2005, 75, 111-133.	1.8	58

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91	Aerosol optical depth over the mountainous region in central Asia (Issyk-Kul Lake, Kyrgyzstan). Geophysical Research Letters, 2005, 32, .	1.5	18
92	Columnar aerosol optical properties at AERONET sites in central eastern Asia and aerosol transport to the tropical mid-Pacific. Journal of Geophysical Research, 2005, 110, n/a-n/a.	3.3	377
93	Global validation of two-channel AVHRR aerosol optical thickness retrievals over the oceans. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 88, 97-109.	1.1	33
94	Regional evaluation of an advanced very high resolution radiometer (AVHRR) two-channel aerosol retrieval algorithm. Journal of Geophysical Research, 2004, 109, .	3.3	26
95	Monthly averages of aerosol properties: A global comparison among models, satellite data, and AERONET ground data. Journal of Geophysical Research, 2003, 108, .	3.3	258
96	Variability of biomass burning aerosol optical characteristics in southern Africa during the SAFARI 2000 dry season campaign and a comparison of single scattering albedo estimates from radiometric measurements. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	158
97	Comparison of size and morphological measurements of coarse mode dust particles from Africa. Journal of Geophysical Research, 2003, 108, .	3.3	257
98	Analysis of measurements of Saharan dust by airborne and ground-based remote sensing methods during the Puerto Rico Dust Experiment (PRIDE). Journal of Geophysical Research, 2003, 108, .	3.3	145
99	Airborne Sun photometer measurements of aerosol optical depth and columnar water vapor during the Puerto Rico Dust Experiment and comparison with land, aircraft, and satellite measurements. Journal of Geophysical Research, 2003, 108, .	3.3	43
100	Maritime component in aerosol optical models derived from Aerosol Robotic Network data. Journal of Geophysical Research, 2003, 108, AAC 14-1.	3.3	115
101	Spectral discrimination of coarse and fine mode optical depth. Journal of Geophysical Research, 2003, 108, .	3.3	541
102	High aerosol optical depth biomass burning events: A comparison of optical properties for different source regions. Geophysical Research Letters, 2003, 30, .	1.5	179
103	Effect of wind speed on columnar aerosol optical properties at Midway Island. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	97
104	Atmospheric Aerosol Optical Properties in the Persian Gulf. Journals of the Atmospheric Sciences, 2002, 59, 620-634.	0.6	177
105	Development of a Global Validation Package for Satellite Oceanic Aerosol Optical Thickness Retrieval Based on AERONET Observations and Its Application to NOAA/NESDIS Operational Aerosol Retrievals. Journals of the Atmospheric Sciences, 2002, 59, 294-312.	0.6	81
106	Optical properties of boreal forest fire smoke derived from Sun photometry. Journal of Geophysical Research, 2002, 107, AAC 6-1-AAC 6-19.	3.3	71
107	Diurnal variability of aerosol optical depth observed at AERONET (Aerosol Robotic Network) sites. Geophysical Research Letters, 2002, 29, 30-1-30-4.	1.5	190
108	Correction to "Optical properties of boreal forest fire smoke derived from Sun photometry" by N. T. O'Neill, T. F. Eck, B. N. Holben, A. Smirnov, A. Royer, and Z. Li. Journal of Geophysical Research, 2002, 107, AAC 9-1.	3.3	7

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109	Variability of Absorption and Optical Properties of Key Aerosol Types Observed in Worldwide Locations. <i>Journals of the Atmospheric Sciences</i> , 2002, 59, 590-608.	0.6	2,558
110	Optical Properties of Atmospheric Aerosol in Maritime Environments. <i>Journals of the Atmospheric Sciences</i> , 2002, 59, 501-523.	0.6	333
111	Validation of MODIS aerosol retrieval over ocean. <i>Geophysical Research Letters</i> , 2002, 29, MOD3-1.	1.5	325
112	Remote sensing of non-aerosol absorption in cloud free atmosphere. <i>Geophysical Research Letters</i> , 2002, 29, 4-1-4-4.	1.5	10
113	How well do aerosol retrievals from satellites and representation in global circulation models match ground-based AERONET aerosol statistics?. <i>Advances in Global Change Research</i> , 2001, , 103-158.	1.6	10
114	Column-integrated aerosol optical properties over the Maldives during the northeast monsoon for 1998-2000. <i>Journal of Geophysical Research</i> , 2001, 106, 28555-28566.	3.3	137
115	An emerging ground-based aerosol climatology: Aerosol optical depth from AERONET. <i>Journal of Geophysical Research</i> , 2001, 106, 12067-12097.	3.3	1,737
116	Bimodal size distribution influences on the variation of Angstrom derivatives in spectral and optical depth space. <i>Journal of Geophysical Research</i> , 2001, 106, 9787-9806.	3.3	205
117	Characterization of the optical properties of biomass burning aerosols in Zambia during the 1997 ZIBBEE field campaign. <i>Journal of Geophysical Research</i> , 2001, 106, 3425-3448.	3.3	207
118	Climatology of dust aerosol size distribution and optical properties derived from remotely sensed data in the solar spectrum. <i>Journal of Geophysical Research</i> , 2001, 106, 18205-18217.	3.3	161
119	Evolution of the vertical profile and flux of large sea-salt particles in a coastal zone. <i>Journal of Geophysical Research</i> , 2001, 106, 12039-12053.	3.3	64
120	Baseline maritime aerosol: Methodology to Derive the optical thickness and scattering properties. <i>Geophysical Research Letters</i> , 2001, 28, 3251-3254.	1.5	114
121	A Study of Global Aerosol Optical Climatology with Two-Channel AVHRR Remote Sensing. <i>Journal of Climate</i> , 2000, 13, 2011-2027.	1.2	77
122	Cloud-Screening and Quality Control Algorithms for the AERONET Database. <i>Remote Sensing of Environment</i> , 2000, 73, 337-349.	4.6	1,285
123	Ground-based lidar measurements of aerosols during ACE-2: instrument description, results, and comparisons with other ground-based and airborne measurements. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2000, 52, 636-651.	0.8	84
124	Accuracy assessments of aerosol optical properties retrieved from Aerosol Robotic Network (AERONET) Sun and sky radiance measurements. <i>Journal of Geophysical Research</i> , 2000, 105, 9791-9806.	3.3	1,532
125	Relationship between column aerosol optical thickness and in situ ground based dust concentrations over Barbados. <i>Geophysical Research Letters</i> , 2000, 27, 1643-1646.	1.5	77
126	Measurement of atmospheric optical parameters on U.S. Atlantic coast sites, ships, and Bermuda during TARFOX. <i>Journal of Geophysical Research</i> , 2000, 105, 9887-9901.	3.3	51

#	ARTICLE	IF	CITATIONS
127	Comparison of aerosol optical properties and water vapor among ground and airborne lidars and Sun photometers during TARFOX. <i>Journal of Geophysical Research</i> , 2000, 105, 9917-9933.	3.3	41
128	Will aerosol measurements from Terra and Aqua Polar Orbiting satellites represent the daily aerosol abundance and properties?. <i>Geophysical Research Letters</i> , 2000, 27, 3861-3864.	1.5	123
129	Retrieval of aerosol optical thickness and size distribution over ocean from the MODIS airborne simulator during TARFOX. <i>Journal of Geophysical Research</i> , 1999, 104, 2261-2278.	3.3	81
130	Comparisons of the TOMS aerosol index with Sun-photometer aerosol optical thickness: Results and applications. <i>Journal of Geophysical Research</i> , 1999, 104, 6269-6279.	3.3	272
131	Comparison of aerosol optical depth from four solar radiometers during the fall 1997 ARM intensive observation period. <i>Geophysical Research Letters</i> , 1999, 26, 2725-2728.	1.5	112
132	Wavelength dependence of the optical depth of biomass burning, urban, and desert dust aerosols. <i>Journal of Geophysical Research</i> , 1999, 104, 31333-31349.	3.3	1,737
133	AERONET—A Federated Instrument Network and Data Archive for Aerosol Characterization. <i>Remote Sensing of Environment</i> , 1998, 66, 1-16.	4.6	6,370
134	Optical properties of Saharan dust during ACE 2. <i>Journal of Geophysical Research</i> , 1998, 103, 28079-28092.	3.3	59
135	Single-scattering albedo of smoke retrieved from the sky radiance and solar transmittance measured from ground. <i>Journal of Geophysical Research</i> , 1998, 103, 31903-31923.	3.3	109
136	Aerosol optical depth over Canada and the link with synoptic air mass types. <i>Journal of Geophysical Research</i> , 1996, 101, 19299-19318.	3.3	29
137	<title>Measurement of aerosol optical depth in the Atlantic Ocean and Mediterranean Sea</title>. , 1995, 2582, 203.		19
138	Aerosol optical depth over the oceans: Analysis in terms of synoptic air mass types. <i>Journal of Geophysical Research</i> , 1995, 100, 16639.	3.3	101
139	A study of the link between synoptic air mass type and atmospheric optical parameters. <i>Journal of Geophysical Research</i> , 1994, 99, 20967.	3.3	56