

Alexander Smirnov

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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.

148
papers

22,440
citations

58
h-index

149
g-index

163
ext. papers

24,936
ext. citations

4.5
avg, IF

6.03
L-index

#	Paper	IF	Citations
148	AERONET: A Federated Instrument Network and Data Archive for Aerosol Characterization. <i>Remote Sensing of Environment</i> , 1998 , 66, 1-16	13.2	5114
147	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	2.1	2159
146	An emerging ground-based aerosol climatology: Aerosol optical depth from AERONET. <i>Journal of Geophysical Research</i> , 2001 , 106, 12067-12097		1459
145	Wavelength dependence of the optical depth of biomass burning, urban, and desert dust aerosols. <i>Journal of Geophysical Research</i> , 1999 , 104, 31333-31349		1437
144	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		1272
143	Cloud-Screening and Quality Control Algorithms for the AERONET Database. <i>Remote Sensing of Environment</i> , 2000 , 73, 337-349	13.2	1101
142	The MERRA-2 Aerosol Reanalysis, 1980 - onward, Part I: System Description and Data Assimilation Evaluation. <i>Journal of Climate</i> , 2017 , 30, 6823-6850	4.4	451
141	Spectral discrimination of coarse and fine mode optical depth. <i>Journal of Geophysical Research</i> , 2003 , 108,		446
140	Multiangle Imaging SpectroRadiometer global aerosol product assessment by comparison with the Aerosol Robotic Network. <i>Journal of Geophysical Research</i> , 2010 , 115,		398
139	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	4	370
138	Columnar aerosol optical properties at AERONET sites in central eastern Asia and aerosol transport to the tropical mid-Pacific. <i>Journal of Geophysical Research</i> , 2005 , 110, n/a-n/a		323
137	Optical Properties of Atmospheric Aerosol in Maritime Environments. <i>Journals of the Atmospheric Sciences</i> , 2002 , 59, 501-523	2.1	293
136	Climatological aspects of the optical properties of fine/coarse mode aerosol mixtures. <i>Journal of Geophysical Research</i> , 2010 , 115,		276
135	Validation of MODIS aerosol retrieval over ocean. <i>Geophysical Research Letters</i> , 2002 , 29, MOD3-1	4.9	276
134	An analysis of AERONET aerosol absorption properties and classifications representative of aerosol source regions. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		240
133	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		232
132	Comparison of size and morphological measurements of coarse mode dust particles from Africa. <i>Journal of Geophysical Research</i> , 2003 , 108,		230

131	Monthly averages of aerosol properties: A global comparison among models, satellite data, and AERONET ground data. <i>Journal of Geophysical Research</i> , 2003 , 108,		218
130	Maritime Aerosol Network as a component of Aerosol Robotic Network. <i>Journal of Geophysical Research</i> , 2009 , 114,		203
129	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. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12841-12863	6.8	191
128	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		180
127	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		175
126	Atmospheric Aerosol Optical Properties in the Persian Gulf. <i>Journals of the Atmospheric Sciences</i> , 2002 , 59, 620-634	2.1	163
125	Diurnal variability of aerosol optical depth observed at AERONET (Aerosol Robotic Network) sites. <i>Geophysical Research Letters</i> , 2002 , 29, 30-1-30-4	4.9	161
124	Aeronet's Version 2.0 quality assurance criteria 2006 , 6408, 134		151
123	High aerosol optical depth biomass burning events: A comparison of optical properties for different source regions. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	146
122	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		141
121	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. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		124
120	Maritime aerosol network as a component of AERONET [First results and comparison with global aerosol models and satellite retrievals. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 583-597	4	121
119	Analysis of measurements of Saharan dust by airborne and ground-based remote sensing methods during the Puerto Rico Dust Experiment (PRIDE). <i>Journal of Geophysical Research</i> , 2003 , 108,		120
118	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		118
117	Spatial and temporal variability of column-integrated aerosol optical properties in the southern Arabian Gulf and United Arab Emirates in summer. <i>Journal of Geophysical Research</i> , 2008 , 113,		108
116	Optical properties of boreal region biomass burning aerosols in central Alaska and seasonal variation of aerosol optical depth at an Arctic coastal site. <i>Journal of Geophysical Research</i> , 2009 , 114,		105
115	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	4.9	103
114	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	4.9	99

113	Baseline maritime aerosol: Methodology to Derive the optical thickness and scattering properties. <i>Geophysical Research Letters</i> , 2001 , 28, 3251-3254	4.9	98
112	Dust optical properties over North Africa and Arabian Peninsula derived from the AERONET dataset. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 10733-10741	6.8	97
111	Maritime component in aerosol optical models derived from Aerosol Robotic Network data. <i>Journal of Geophysical Research</i> , 2003 , 108, AAC 14-1		95
110	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		94
109	SeaWiFS Ocean Aerosol Retrieval (SOAR): Algorithm, validation, and comparison with other data sets. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		93
108	Aerosol optical depth over the oceans: Analysis in terms of synoptic air mass types. <i>Journal of Geophysical Research</i> , 1995 , 100, 16639		89
107	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	4	87
106	Effect of wind speed on columnar aerosol optical properties at Midway Island. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		84
105	Aerosol remote sensing in polar regions. <i>Earth-Science Reviews</i> , 2015 , 140, 108-157	10.2	83
104	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	4.4	79
103	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	3.3	78
102	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	4.4	76
101	Aerosol optical properties at Nam Co, a remote site in central Tibetan Plateau. <i>Atmospheric Research</i> , 2009 , 92, 42-48	5.4	74
100	A Study of Global Aerosol Optical Climatology with Two-Channel AVHRR Remote Sensing. <i>Journal of Climate</i> , 2000 , 13, 2011-2027	4.4	72
99	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		72
98	Fog- and cloud-induced aerosol modification observed by the Aerosol Robotic Network (AERONET). <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		70
97	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. <i>Journals of the Atmospheric Sciences</i> , 2002 , 59, 294-312	2.1	67
96	The AERONET Version 3 aerosol retrieval algorithm, associated uncertainties and comparisons to Version 2. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 3375-3411	4	67

95	How well do state-of-the-art techniques measuring the vertical profile of tropospheric aerosol extinction compare?. <i>Journal of Geophysical Research</i> , 2006 , 111,		65
94	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	6.8	63
93	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	3.3	63
92	Relationship between column aerosol optical thickness and in situ ground based dust concentrations over Barbados. <i>Geophysical Research Letters</i> , 2000 , 27, 1643-1646	4.9	63
91	A pure marine aerosol model, for use in remote sensing applications. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		58
90	Does the Madden-Julian Oscillation influence aerosol variability?. <i>Journal of Geophysical Research</i> , 2008 , 113,		57
89	MISR Calibration and Implications for Low-Light-Level Aerosol Retrieval over Dark Water. <i>Journals of the Atmospheric Sciences</i> , 2005 , 62, 1032-1052	2.1	57
88	Optical properties of boreal forest fire smoke derived from Sun photometry. <i>Journal of Geophysical Research</i> , 2002 , 107, AAC 6-1-AAC 6-19		57
87	Columnar water vapor retrievals from multifilter rotating shadowband radiometer data. <i>Journal of Geophysical Research</i> , 2009 , 114,		55
86	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		55
85	Optical properties of Saharan dust during ACE 2. <i>Journal of Geophysical Research</i> , 1998 , 103, 28079-28092		52
84	Aerosol load characterization over SouthEast Italy for one year of AERONET sun-photometer measurements. <i>Atmospheric Research</i> , 2005 , 75, 111-133	5.4	51
83	Validation of SeaWiFS and MODIS aerosol products with globally distributed AERONET data. <i>Remote Sensing of Environment</i> , 2010 , 114, 230-250	13.2	49
82	An overview of mesoscale aerosol processes, comparisons, and validation studies from DRAGON networks. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 655-671	6.8	48
81	Ship-based aerosol optical depth measurements in the Atlantic Ocean: Comparison with satellite retrievals and GOCART model. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	48
80	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		48
79	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	4.4	47
78	Investigating organic aerosol loading in the remote marine environment. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 8847-8860	6.8	47

77	Observations of rapid aerosol optical depth enhancements in the vicinity of polluted cumulus clouds. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 11633-11656	6.8	46
76	Optical and physical characteristics of Bay of Bengal aerosols during W-ICARB: Spatial and vertical heterogeneities in the marine atmospheric boundary layer and in the vertical column. <i>Journal of Geophysical Research</i> , 2010 , 115,		45
75	A study of the link between synoptic air mass type and atmospheric optical parameters. <i>Journal of Geophysical Research</i> , 1994 , 99, 20967		45
74	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. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 6743-6765	6.8	43
73	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	4.4	40
72	Multiyear Observations of the Tropical Atlantic Atmosphere: Multidisciplinary Applications of the NOAA Aerosols and Ocean Science Expeditions. <i>Bulletin of the American Meteorological Society</i> , 2011 , 92, 765-789	6.1	38
71	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		38
70	Assessment of error in aerosol optical depth measured by AERONET due to aerosol forward scattering. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	34
69	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> , 2018 , 123, 5560-5587	4.4	33
68	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. <i>Journal of Geophysical Research</i> , 2003 , 108,		33
67	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	4.4	32
66	Optical and microphysical parameters of the aerosol in the smoky atmosphere of the Moscow region in 2010. <i>Doklady Earth Sciences</i> , 2011 , 437, 513-517	0.6	31
65	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	4.4	30
64	Global validation of two-channel AVHRR aerosol optical thickness retrievals over the oceans. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2004 , 88, 97-109	2.1	29
63	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	6.8	28
62	Radiative characteristics of aerosol during extreme fire event over Siberia in summer 2012. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 179-198	4	27
61	Evaluation and Wind Speed Dependence of MODIS Aerosol Retrievals Over Open Ocean. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012 , 50, 429-435	8.1	25
60	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	6.8	24

59	Observationally constrained analysis of sea salt aerosol in the marine atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10773-10785	6.8	24
58	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, 12,620-12,633	4.4	24
57	Influence of observed diurnal cycles of aerosol optical depth on aerosol direct radiative effect. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 7895-7901	6.8	24
56	Reduction of aerosol absorption in Beijing since 2007 from MODIS and AERONET. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	24
55	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	4	24
54	Estimating marine aerosol particle volume and number from Maritime Aerosol Network data. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8889-8909	6.8	24
53	Aerosol optical depth over Canada and the link with synoptic air mass types. <i>Journal of Geophysical Research</i> , 1996 , 101, 19299-19318		24
52	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	4.4	23
51	Regional evaluation of an advanced very high resolution radiometer (AVHRR) two-channel aerosol retrieval algorithm. <i>Journal of Geophysical Research</i> , 2004 , 109,		22
50	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	4.4	21
49	Characteristics of the annual behavior of the spectral aerosol optical depth of the atmosphere under conditions of Siberia. <i>Atmospheric and Oceanic Optics</i> , 2009 , 22, 446-456	0.8	21
48	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	5.3	20
47	Aerosol daytime variations over North and South America derived from multiyear AERONET measurements. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		20
46	Coarse mode optical information retrievable using ultraviolet to short-wave infrared Sun photometry: Application to United Arab Emirates Unified Aerosol Experiment data. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		20
45	Assessments of urban aerosol pollution in Moscow and its radiative effects. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 367-378	4	19
44	Evaluations of cirrus contamination and screening in ground aerosol observations using collocated lidar systems. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		18
43	Aerosol optical and microphysical properties over the Atlantic Ocean during the 19th cruise of the Research Vessel Akademik Sergey Vavilov. <i>Journal of Geophysical Research</i> , 2007 , 112,		17
42	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	5.4	15

41	Local analysis of MISR surface BRF and albedo over GSFC and mongu AERONET sites. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006 , 44, 1707-1718	8.1	15
40	Aerosol optical depth over the mountainous region in central Asia (Issyk-Kul Lake, Kyrgyzstan). <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	14
39	AEROSOL PROPERTIES IN MOSCOW ACCORDING TO 10 YEARS OF AERONET MEASUREMENTS AT THE METEOROLOGICAL OBSERVATORY OF MOSCOW STATE UNIVERSITY. <i>Geography, Environment, Sustainability</i> , 2011 , 4, 19-32	1	14
38	The Determination of Snow Albedo from Satellite Measurements Using Fast Atmospheric Correction Technique. <i>Remote Sensing</i> , 2020 , 12, 234	5	13
37	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	0.8	12
36	On results of studies of atmospheric aerosol optical depth in arctic regions. <i>Atmospheric and Oceanic Optics</i> , 2014 , 27, 517-528	0.8	11
35	Measurement of aerosol optical depth in the Atlantic Ocean and Mediterranean Sea 1995 , 2582, 203		11
34	Limitations of AERONET SDA product in presence of cirrus clouds. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018 , 206, 338-341	2.1	10
33	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	0.8	10
32	Comparison of Moderate Resolution Imaging Spectroradiometer ocean aerosol retrievals with ship-based Sun photometer measurements from the Around the Americas expedition. <i>Journal of Geophysical Research</i> , 2011 , 116,		9
31	Aerosol optical properties over the South Atlantic and Southern Ocean during the 140th cruise of the M/V.S.A. Agulhas. <i>Atmospheric Research</i> , 2010 , 98, 285-296	5.4	9
30	Smoke aerosol and its radiative effects during extreme fire event over Central Russia in summer 2010 2011 ,		8
29	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	0.8	7
28	Remote sensing of non-aerosol absorption in cloud free atmosphere. <i>Geophysical Research Letters</i> , 2002 , 29, 4-1-4-4	4.9	7
27	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	1.2	7
26	Dust optical properties over North Africa and Arabian Peninsula derived from the AERONET dataset		7
25	Aerosol Optical Characteristics Retrieved from CIMEL Sun Photometer Measurements (AERONET) near St. Petersburg. <i>Atmospheric and Oceanic Optics</i> , 2018 , 31, 635-641	0.8	7
24	Statistical study of day and night hourly patterns of columnar aerosol properties using sun and star photometry 2016 ,		6

23	Error analysis of integrated water vapor measured by MPEL photometer. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2017 , 53, 58-64	1	6
22	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. <i>Journal of Geophysical Research</i> , 2002 , 107, AAC 9-1		6
21	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	4-4	5
20	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		5
19	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		5
18	An overview of meso-scale aerosol processes, comparison and validation studies from DRAGON networks 2017 ,		4
17	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		4
16	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	4	4
15	Maritime Aerosol Network as a component of AERONET First results and comparison with global aerosol models and satellite retrievals 2011 ,		3
14	Influence of observed diurnal cycles of aerosol optical depth on aerosol direct radiative effect		3
13	The AERONET Version 3 aerosol retrieval algorithm, associated uncertainties and comparisons to Version 2		3
12	Annual behavior of the aerosol optical depth in some regions of Asian part of Russia 2014 ,		2
11	Maritime Aerosol Network optical depth measurements and comparison with satellite retrievals from various different sensors 2017 ,		2
10	Investigating organic aerosol loading in the remote marine environment		2
9	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	5-4	2
8	Observationally constrained analysis of sea salt aerosol in the marine atmosphere 2019 ,		1
7	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	4	1
6	Aerosol meteorology and Philippine receptor observations of Maritime Continent aerosol emissions for the 2012 7SEAS southwest monsoon intensive study 2016 ,		1

5	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 2014 ,		1
4	Assessments of urban aerosol pollution in Moscow and its radiative effects 2010 ,		1
3	AERONET-based microphysical and optical properties of smoke-dominated aerosol near source regions and transported over oceans, and implications for satellite retrievals of aerosol optical depth		1
2	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	2.1	1
1	Remote Sensing of Arctic Atmospheric Aerosols. <i>Springer Polar Sciences</i> , 2020 , 505-589		0.4