Gerrit de Leeuw

List of Publications by Year
in descending order

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208 papers	11,917 citations	34105 52 h-index	39675 94 g-index

280 all docs	280 docs citations	280 times ranked	9677 citing authors

#	Article	IF	Citations
1	Mobility particle size spectrometers: harmonization of technical standards and data structure to facilitate high quality long-term observations of atmospheric particle number size distributions. Atmospheric Measurement Techniques, 2012, 5, 657-685.	3.1	689
2	Marine aerosol production: a review of the current knowledge. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 1753-1774.	3.4	575
3	Production flux of sea spray aerosol. Reviews of Geophysics, 2011, 49, .	23.0	458
4	Primary submicron marine aerosol dominated by insoluble organic colloids and aggregates. Geophysical Research Letters, 2008, 35, .	4.0	380
5	The ESA Climate Change Initiative: Satellite Data Records for Essential Climate Variables. Bulletin of the American Meteorological Society, 2013, 94, 1541-1552.	3.3	355
6	Global observations of aerosol-cloud-precipitation-climate interactions. Reviews of Geophysics, 2014, 52, 750-808.	23.0	316
7	Characterization and intercomparison of aerosol absorption photometers: result of two intercomparison workshops. Atmospheric Measurement Techniques, 2011, 4, 245-268.	3.1	284
8	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) â€“ integrating aerosol research from nano to global scales. Atmospheric Chemistry and Physics, 2011, 11, 13061-13143.	4.9	278
9	EUCAARI ion spectrometer measurements at 12 European sites â€“ analysis of new particle formation events. Atmospheric Chemistry and Physics, 2010, 10, 7907-7927.	4.9	248
10	Production of sea spray aerosol in the surf zone. Journal of Geophysical Research, 2000, 105, 29397-29409.	3.3	223
11	Number size distributions and seasonality of submicron particles in Europe 2008â€“2009. Atmospheric Chemistry and Physics, 2011, 11, 5505-5538.	4.9	214
12	Exploring the relation between aerosol optical depth and PM_{2.5} at Cabauw, the Netherlands. Atmospheric Chemistry and Physics, 2009, 9, 909-925.	4.9	211
13	A dedicated study of New Particle Formation and Fate in the Coastal Environment (PARFORCE): Overview of objectives and achievements. Journal of Geophysical Research, 2002, 107, PAR 1-1.	3.3	165
14	Surfactants and submicron sea spray generation. Journal of Geophysical Research, 2006, 111, .	3.3	155
15	Retrieval of aerosol optical depth over land using two-angle view satellite radiometry during TARFOX. Geophysical Research Letters, 1998, 25, 3135-3138.	4.0	148
16	Laboratory-generated primary marine aerosol via bubble-bursting and atomization. Atmospheric Measurement Techniques, 2010, 3, 141-162.	3.1	142
17	The Arctic Summer Cloud Ocean Study (ASCOS): overview and experimental design. Atmospheric Chemistry and Physics, 2014, 14, 2823-2869.	4.9	140
18	Development, Production and Evaluation of Aerosol Climate Data Records from European Satellite Observations (Aerosol_cci). Remote Sensing, 2016, 8, 421.	4.0	131

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19	Comparison of ambient aerosol extinction coefficients obtained from in-situ, MAX-DOAS and LIDAR measurements at Cabauw. Atmospheric Chemistry and Physics, 2011, 11, 2603-2624.	4.9	126
20	Coastal new particle formation: Environmental conditions and aerosol physicochemical characteristics during nucleation bursts. Journal of Geophysical Research, 2002, 107, PAR 12-1.	3.3	121
21	The Impact of the Control Measures during the COVID-19 Outbreak on Air Pollution in China. Remote Sensing, 2020, 12, 1613.	4.0	117
22	A sea spray aerosol flux parameterization encapsulating wave state. Atmospheric Chemistry and Physics, 2014, 14, 1837-1852.	4.9	113
23	Evaluation of seven European aerosol optical depth retrieval algorithms for climate analysis. Remote Sensing of Environment, 2015, 162, 295-315.	11.0	112
24	Nine-year spatial and temporal evolution of desert dust aerosols over South and East Asia as revealed by CALIOP. Atmospheric Chemistry and Physics, 2018, 18, 1337-1362.	4.9	112
25	Relationship of oceanic whitecap coverage to wind speed and wind history. Geophysical Research Letters, 2008, 35, .	4.0	111
26	On the impacts of phytoplankton-derived organic matter on the properties of the primary marine aerosol â€“ Part 1: Source fluxes. Atmospheric Chemistry and Physics, 2010, 10, 9295-9317.	4.9	109
27	A regional-to-global model of emission and transport of sea salt particles in the atmosphere. Journal of Geophysical Research, 2011, 116, .	3.3	109
28	Aerosol remote sensing in polar regions. Earth-Science Reviews, 2015, 140, 108-157.	9.1	106
29	Two decades of satellite observations of AOD over mainland China using ATSR-2, AATSR and MODIS/Terra: data set evaluation and large-scale patterns. Atmospheric Chemistry and Physics, 2018, 18, 1573-1592.	4.9	105
30	Uncertainty information in climate data records from Earth observation. Earth System Science Data, 2017, 9, 511-527.	9.9	100
31	Modeling coastal aerosol transport and effects of surf-produced aerosols on processes in the marine atmospheric boundary layer. Journal of Geophysical Research, 2001, 106, 20225-20238.	3.3	99
32	Merging regional and global aerosol optical depth records from major available satellite products. Atmospheric Chemistry and Physics, 2020, 20, 2031-2056.	4.9	98
33	Submicron sea spray fluxes. Geophysical Research Letters, 2005, 32, .	4.0	92
34	The Cabauw Intercomparison campaign for Nitrogen Dioxide measuring Instruments (CINDI): design, execution, and early results. Atmospheric Measurement Techniques, 2012, 5, 457-485.	3.1	83
35	Overview of the synoptic and pollution situation over Europe during the EUCAARI-LONGREX field campaign. Atmospheric Chemistry and Physics, 2011, 11, 1065-1082.	4.9	79
36	Air pollution scenario over Pakistan: Characterization and ranking of extremely polluted cities using long-term concentrations of aerosols and trace gases. Remote Sensing of Environment, 2021, 264, 112617.	11.0	79

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37	Sea-salt aerosol source functions and emissions. Advances in Global Change Research, 2004, , 333-359.	1.6	78
38	Characteristic features of air ions at Mace Head on the west coast of Ireland. Atmospheric Research, 2008, 90, 278-286.	4.1	77
39	Aerosol retrieval experiments in the ESA Aerosol_cci project. Atmospheric Measurement Techniques, 2013, 6, 1919-1957.	3.1	76
40	Reconciliation of coarse mode sea-salt aerosol particle size measurements and parameterizations at a subtropical ocean receptor site. Journal of Geophysical Research, 2006, 111, .	3.3	72
41	Seasonal cycle, size dependencies, and source analyses of aerosol optical properties at the SMEAR II measurement station in HyytiÃlÃ, Finland. Atmospheric Chemistry and Physics, 2011, 11, 4445-4468.	4.9	72
42	Angular Illumination and Truncation of Three Different Integrating Nephelometers: Implications for Empirical, Size-Based Corrections. Aerosol Science and Technology, 2009, 43, 581-586.	3.1	71
43	Relative contribution of submicron and supermicron particles to aerosol light scattering in the marine boundary layer. Journal of Geophysical Research, 2002, 107, PAR 8-1.	3.3	70
44	Transfer Across the Air-Sea Interface. Springer Earth System Sciences, 2014, , 55-112.	0.2	69
45	Optical Measurement of Bubbles: System Design and Application. Journal of Atmospheric and Oceanic Technology, 2003, 20, 1317-1332.	1.3	68
46	Spatial and seasonal variations of aerosols over China from two decades of multi-satellite observations â€“ Part 2: AOD time series for 1995â€“2017 combined from ATSR ADV and MODIS C6.1 and AOD tendency estimations. Atmospheric Chemistry and Physics, 2018, 18, 16631-16652.	4.9	67
47	Regional Distribution of Aerosol over Land, Derived from ATSR-2 and GOME. Remote Sensing of Environment, 2000, 74, 377-386.	11.0	66
48	The North Atlantic Marine Boundary Layer Experiment(NAMBLEX). Overview of the campaign held at Mace Head, Ireland, in summer 2002. Atmospheric Chemistry and Physics, 2006, 6, 2241-2272.	4.9	65
49	Modelling of bubble-mediated gas transfer: Fundamental principles and a laboratory test. Journal of Marine Systems, 2007, 66, 71-91.	2.1	65
50	Investigating Primary Marine Aerosol Properties: CCN Activity of Sea Salt and Mixed Inorganicâ€“Organic Particles. Environmental Science & Technology, 2012, 46, 10405-10412.	10.0	64
51	South African EUCAARI measurements: seasonal variation of trace gases and aerosol optical properties. Atmospheric Chemistry and Physics, 2012, 12, 1847-1864.	4.9	62
52	Modeling Spatio-Temporal Land Transformation and Its Associated Impacts on land Surface Temperature (LST). Remote Sensing, 2020, 12, 2987.	4.0	62
53	In situ laboratory sea spray production during the Marine Aerosol Production 2006 cruise on the northeastern Atlantic Ocean. Journal of Geophysical Research, 2010, 115, .	3.3	58
54	A new algorithm to determine the spectral aerosol optical depth from satellite radiometer measurements. Journal of Aerosol Science, 1998, 29, 1237-1248.	3.8	57

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55	Pan-Eurasian Experiment (PEEX): towards a holistic understanding of the feedbacks and interactions in the landâ€“atmosphereâ€“oceanâ€“society continuum in the northern Eurasian region. Atmospheric Chemistry and Physics, 2016, 16, 14421-14461.	4.9	57
56	Assessment of the atmospheric nitrogen and sulphur inputs into the North Sea using a Lagrangian model. Physics and Chemistry of the Earth, 2002, 27, 1507-1515.	2.9	56
57	Deposition of atmospheric trace elements into the north sea. Atmospheric Environment, 1998, 32, 3011-3025.	4.1	55
58	Aerosol optical depth retrieval using ATSR-2 and AVHRR data during TARFOX. Journal of Geophysical Research, 1999, 104, 2253-2260.	3.3	55
59	Natural and anthropogenic contributions to long-term variations of SO2, NO2, CO, and AOD over East China. Atmospheric Research, 2019, 215, 284-293.	4.1	55
60	The ADV/ASV AATSR aerosol retrieval algorithm: current status and presentation of a full-mission AOD dataset. International Journal of Digital Earth, 2016, 9, 545-561.	3.9	54
61	The RED Experiment: An Assessment of Boundary Layer Effects in a Trade Winds Regime on Microwave and Infrared Propagation over the Sea. Bulletin of the American Meteorological Society, 2004, 85, 1355-1366.	3.3	53
62	Intercomparison of aerosol extinction profiles retrieved from MAX-DOAS measurements. Atmospheric Measurement Techniques, 2016, 9, 3205-3222.	3.1	53
63	Physical Exchanges at the Airâ€“Sea Interface: UKâ€“SOLAS Field Measurements. Bulletin of the American Meteorological Society, 2009, 90, 629-644.	3.3	52
64	Spatial and seasonal variations of aerosols over China from two decades of multi-satellite observations â€“ Part 1: ATSR (1995â€“2011) and MODIS C6.1 (2000â€“2017). Atmospheric Chemistry and Physics, 2018, 18, 11389-11407.	4.9	52
65	Aerosol optical depth over Europe in August 1997 derived from ATSR-2 data. Geophysical Research Letters, 2000, 27, 955-958.	4.0	51
66	Soot on Snow experiment: bidirectional reflectance factor measurements of contaminated snow. Cryosphere, 2015, 9, 2323-2337.	3.9	50
67	Measurements of bubble size spectra within leads in the Arctic summer pack ice. Ocean Science, 2011, 7, 129-139.	3.4	50
68	Atmospheric nitrogen inputs into the North Sea: effect on productivity. Continental Shelf Research, 2003, 23, 1743-1755.	1.8	48
69	Eddy covariance measurements of sea spray particles over the Atlantic Ocean. Atmospheric Chemistry and Physics, 2008, 8, 555-563.	4.9	48
70	Joint retrieval of the aerosol fine mode fraction and optical depth using MODIS spectral reflectance over northern and eastern China: Artificial neural network method. Remote Sensing of Environment, 2020, 249, 112006.	11.0	48
71	A consistent aerosol optical depth (AOD) dataset over mainland China by integration of several AOD products. Atmospheric Environment, 2015, 114, 48-56.	4.1	47
72	Modeling aerosol particle size distributions over the North Sea. Journal of Geophysical Research, 1992, 97, 14417-14429.	3.3	46

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73	Retrieval of aerosol optical depth and surface reflectance over land from NOAA AVHRR data. Remote Sensing of Environment, 2013, 133, 1-20.	11.0	46
74	Spatial distributions and seasonal cycles of aerosols in India and China seen in global climate-aerosol model. Atmospheric Chemistry and Physics, 2011, 11, 7975-7990.	4.9	45
75	Analysis of aerosol effects on warm clouds over the Yangtze River Delta from multi-sensor satellite observations. Atmospheric Chemistry and Physics, 2017, 17, 5623-5641.	4.9	45
76	Development of the Mediterranean extinction code (MEDEX). Optical Engineering, 2003, 42, 912.	1.0	44
77	On the representativeness of coastal aerosol studies to open ocean studies: Mace Head â€“ a case study. Atmospheric Chemistry and Physics, 2009, 9, 9635-9646.	4.9	44
78	Technical note: First comparison of wind observations from ESA's satellite mission Aeolus and ground-based radar wind profiler network of China. Atmospheric Chemistry and Physics, 2021, 21, 2945-2958.	4.9	43
79	Lidar observations of atmospheric boundary layer structure and sea spray aerosol plumes generation and transport at Mace Head, Ireland (PARFORCE experiment). Journal of Geophysical Research, 2002, 107, PAR 11-1.	3.3	42
80	Interactions between the atmosphere, cryosphere, and ecosystems at northern high latitudes. Atmospheric Chemistry and Physics, 2019, 19, 2015-2061.	4.9	42
81	Atmospheric input of nitrogen into the North Sea: ANICE project overview. Continental Shelf Research, 2001, 21, 2073-2094.	1.8	41
82	Variations in tropospheric submicron particle size distributions across the European continent 2008â€“2009. Atmospheric Chemistry and Physics, 2014, 14, 4327-4348.	4.9	41
83	Evolving research directions in Surface Ocean - Lower Atmosphere (SOLAS) science. Environmental Chemistry, 2013, 10, 1.	1.5	40
84	An AeroComâ€“AeroSat study: intercomparison of satellite AOD datasets for aerosol model evaluation. Atmospheric Chemistry and Physics, 2020, 20, 12431-12457.	4.9	40
85	Evaluating the assumptions of surface reflectance and aerosol type selection within the MODIS aerosol retrieval over land: the problem of dust type selection. Atmospheric Measurement Techniques, 2011, 4, 201-214.	3.1	38
86	Effect of the summer monsoon on aerosols at two measurement stations in Northern India â€“ Part 2: Physical and optical properties. Atmospheric Chemistry and Physics, 2011, 11, 8283-8294.	4.9	38
87	Parameterization of oceanic whitecap fraction based on satellite observations. Atmospheric Chemistry and Physics, 2016, 16, 13725-13751.	4.9	38
88	Wintertime Arctic Ocean sea water properties and primary marine aerosol concentrations. Atmospheric Chemistry and Physics, 2012, 12, 10405-10421.	4.9	37
89	Retrieval of aerosol optical depth over land based on a time series technique using MSG/SEVIRI data. Atmospheric Chemistry and Physics, 2012, 12, 9167-9185.	4.9	37
90	Near-surface measurements of sea spray aerosol production over whitecaps in the open ocean. Ocean Science, 2013, 9, 133-145.	3.4	37

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91	Insulation effects of Icelandic dust and volcanic ash on snow and ice. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	37
92	Spatial and temporal distribution characteristics of haze days and associated factors in China from 1973 to 2017. Atmospheric Environment, 2019, 214, 116862.	4.1	37
93	Growth rates during coastal and marine new particle formation in western Ireland. Journal of Geophysical Research, 2010, 115, .	3.3	36
94	Aerosol optical depth retrieval in the Arctic region using MODIS data over snow. Remote Sensing of Environment, 2013, 128, 234-245.	11.0	36
95	Collocation mismatch uncertainties in satellite aerosol retrieval validation. Atmospheric Measurement Techniques, 2018, 11, 925-938.	3.1	36
96	Integration of remote sensing data and surface observations to estimate the impact of the Russian wildfires over Europe and Asia during August 2010. Biogeosciences, 2011, 8, 3771-3791.	3.3	35
97	Brief communication: Light-absorbing impurities can reduce the density of melting snow. Cryosphere, 2014, 8, 991-995.	3.9	35
98	Post-processing to remove residual clouds from aerosol optical depth retrieved using the Advanced Along Track Scanning Radiometer. Atmospheric Measurement Techniques, 2017, 10, 491-505.	3.1	35
99	Spatial variation of aerosol properties over Europe derived from satellite observations and comparison with model calculations. Atmospheric Chemistry and Physics, 2003, 3, 521-533.	4.9	34
100	Benchmarking CMIP5 models with a subset of ESA CCI Phase 2 data using the ESMValTool. Remote Sensing of Environment, 2017, 203, 9-39.	11.0	34
101	Electro-optical propagation assessment in coastal environments (EOPACE): summary and accomplishments. Optical Engineering, 2001, 40, 1486.	1.0	33
102	Global modelling of direct and indirect effects of sea spray aerosol using a source function encapsulating wave state. Atmospheric Chemistry and Physics, 2014, 14, 11731-11752.	4.9	33
103	Bubbles generated from wind-steepened breaking waves: 1. Bubble plume bubbles. Journal of Geophysical Research, 2006, 111, .	3.3	32
104	Retrieval of aerosol optical depth over land surfaces from AVHRR data. Atmospheric Measurement Techniques, 2014, 7, 2411-2420.	3.1	32
105	Low hygroscopic scattering enhancement of boreal aerosol and the implications for a columnar optical closure study. Atmospheric Chemistry and Physics, 2015, 15, 7247-7267.	4.9	32
106	The first estimates of global nucleation mode aerosol concentrations based on satellite measurements. Atmospheric Chemistry and Physics, 2011, 11, 10791-10801.	4.9	31
107	Long-time series aerosol optical depth retrieval from AVHRR data over land in North China and Central Europe. Remote Sensing of Environment, 2017, 198, 471-489.	11.0	31
108	Himawari-8 Aerosol Optical Depth (AOD) Retrieval Using a Deep Neural Network Trained Using AERONET Observations. Remote Sensing, 2020, 12, 4125.	4.0	31

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109	Secondary bubble production from breaking waves: The bubble burst mechanism. Geophysical Research Letters, 2000, 27, 4077-4080.	4.0	30
110	Estimates of the aerosol indirect effect over the Baltic Sea region derived from 12Âyears of MODIS observations. Atmospheric Chemistry and Physics, 2017, 17, 3133-3143.	4.9	29
111	Variations and photochemical transformations of atmospheric constituents in North China. Atmospheric Environment, 2018, 189, 213-226.	4.1	29
112	Estimating Spatio-Temporal Variations of PM2.5 Concentrations Using VIIRS-Derived AOD in the Guanzhong Basin, China. Remote Sensing, 2019, 11, 2679.	4.0	29
113	Oceanâ€“Atmosphere Interactions of Particles. Springer Earth System Sciences, 2014, , 171-246.	0.2	29
114	Formation and production of sea spray aerosol. Journal of Aerosol Science, 1996, 27, S65-S66.	3.8	28
115	Measurements of Humidity and Temperature in the Marine Environment during the HEXOS Main Experiment. Journal of Atmospheric and Oceanic Technology, 1994, 11, 964-981.	1.3	27
116	Calibrating optical bubble size by the displaced-mass method. Chemical Engineering Science, 2003, 58, 5211-5216.	3.8	27
117	A Compact Lightweight Aerosol Spectrometer Probe (CLASP). Journal of Atmospheric and Oceanic Technology, 2008, 25, 1996-2006.	1.3	27
118	Preliminary Investigation of a New AHI Aerosol Optical Depth (AOD) Retrieval Algorithm and Evaluation with Multiple Source AOD Measurements in China. Remote Sensing, 2018, 10, 748.	4.0	27
119	AEROCOM and AEROSAT AAOD and SSA study â€“ PartÂ1: Evaluation and intercomparison of satellite measurements. Atmospheric Chemistry and Physics, 2021, 21, 6895-6917.	4.9	27
120	Tropical and Boreal Forest â€“ Atmosphere Interactions: A Review. Tellus, Series B: Chemical and Physical Meteorology, 2022, 74, 24.	1.6	27
121	Aerosol retrieval over land using the (A)ATSR dual-view algorithm. , 2009, , 135-159.		26
122	Extension of the Navy aerosol model to coastal areas. Optical Engineering, 2000, 39, 1620.	1.0	25
123	Evaluation and comparison of CMIP6 models and MERRA-2 reanalysis AOD against Satellite observations from 2000 to 2014 over China. Geoscience Frontiers, 2022, 13, 101325.	8.4	25
124	Ash plume top height estimation using AATSR. Atmospheric Measurement Techniques, 2014, 7, 2437-2456.	3.1	24
125	Establishment of Conceptual Schemas of Surface Synoptic Meteorological Situations Affecting Fine Particulate Pollution Across Eastern China in the Winter. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033153.	3.3	24
126	Meteorological influences on coastal new particle formation. Journal of Geophysical Research, 2002, 107, PAR 7-1.	3.3	23

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127	Primary sources control the variability of aerosol optical properties in the Antarctic Peninsula. Tellus, Series B: Chemical and Physical Meteorology, 2022, 70, 1414571.	1.6	23
128	Bubbles generated from wind-steepened breaking waves: 2. Bubble plumes, bubbles, and wave characteristics. Journal of Geophysical Research, 2006, 111, .	3.3	22
129	Variability of NO₂ concentrations over China and effect on air quality derived from satellite and ground-based observations. Atmospheric Chemistry and Physics, 2021, 21, 7723-7748.	4.9	22
130	Evaluation of simulated aerosol properties with the aerosol-climate model ECHAM5-HAM using observations from the IMPACT field campaign. Atmospheric Chemistry and Physics, 2010, 10, 7709-7722.	4.9	21
131	Aerosol retrievals over China with the AATSR dual view algorithm. Remote Sensing of Environment, 2012, 116, 189-198.	11.0	21
132	The Impacts of the COVID-19 Lockdown on Air Quality in the Guanzhong Basin, China. Remote Sensing, 2020, 12, 3042.	4.0	21
133	Profiling of aerosol concentrations, particle size distributions and relative humidity in the atmospheric surface layer over the North Sea. Tellus, Series B: Chemical and Physical Meteorology, 2022, 42, 342.	1.6	21
134	Aerosol optical depth retrieval over snow using AATSR data. International Journal of Remote Sensing, 2013, 34, 5030-5041.	2.9	20
135	Stratospheric aerosol data records for the climate change initiative: Development, validation and application to chemistry-climate modelling. Remote Sensing of Environment, 2017, 203, 296-321.	11.0	20
136	Interdecadal Changes in Aerosol Optical Depth over Pakistan Based on the MERRA-2 Reanalysis Data during 1980â€“2018. Remote Sensing, 2021, 13, 822.	4.0	20
137	Characterization of aerosols at a coastal site near Vindeby (Denmark). Journal of Geophysical Research, 1999, 104, 3277-3287.	3.3	19
138	On the variation of aerosol properties over Finland based on the optical columnar measurements. Atmospheric Research, 2012, 116, 46-55.	4.1	19
139	Satellite observations of changes in snow-covered land surface albedo during spring in the Northern Hemisphere. Cryosphere, 2015, 9, 1879-1893.	3.9	19
140	PAN EURASIAN EXPERIMENT (PEEX) - A RESEARCH INITIATIVE MEETING THE GRAND CHALLENGES OF THE CHANGING ENVIRONMENT OF THE NORTHERN PAN-EURASIAN ARCTIC-BOREAL AREAS. Geography, Environment, Sustainability, 2014, 7, 13-48.	1.3	19
141	On the use of a satellite remote-sensing-based approach for determining aerosol direct radiative effect over land: a case study over China. Atmospheric Chemistry and Physics, 2015, 15, 505-518.	4.9	18
142	Dry deposition of particles to ocean surfaces. Ophelia, 1995, 42, 193-204.	0.3	17
143	Low-altitude infrared propagation in a coastal zone: refraction and scattering. Applied Optics, 2002, 41, 3706.	2.1	17
144	Atmospheric effect on the ground-based measurements of broadband surface albedo. Atmospheric Measurement Techniques, 2012, 5, 2675-2688.	3.1	17

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145	Prescribed burning of logging slash in the boreal forest of Finland: emissions and effects on meteorological quantities and soil properties. Atmospheric Chemistry and Physics, 2014, 14, 4473-4502.	4.9	17
146	Improved inversion of aerosol components in the atmospheric column from remote sensing data. Atmospheric Chemistry and Physics, 2020, 20, 12795-12811.	4.9	17
147	Optical modeling of volcanic ash particles using ellipsoids. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4102-4116.	3.3	16
148	Near-surface aerosol transmission in the marine environment. , 2003, 4884, 160.		15
149	Flux divergence of nitric acid in the marine atmospheric surface layer. Journal of Geophysical Research, 2005, 110, .	3.3	15
150	Characterization of satellite-based proxies for estimating nucleation mode particles over South Africa. Atmospheric Chemistry and Physics, 2015, 15, 4983-4996.	4.9	15
151	Eddy Correlation Measurements of Sea Spray Aerosol Fluxes. Environmental Science and Engineering, 2007, , 297-311.	0.2	15
152	Modeling Of Aerosols In The Marine Mixed-Layer. , 1989, , .		13
153	Data flow of spectral UV measurements at SodankylÃ and Jokioinen. Geoscientific Instrumentation, Methods and Data Systems, 2016, 5, 193-203.	1.6	13
154	A neural network algorithm for cloud fraction estimation using NASA-Aura OMI VIS radiance measurements. Atmospheric Measurement Techniques, 2013, 6, 2301-2309.	3.1	12
155	Evaluation of aerosol and cloud properties in three climate models using MODIS observations and its corresponding COSP simulator, as well as their application in aerosolâ€“cloud interactions. Atmospheric Chemistry and Physics, 2020, 20, 1607-1626.	4.9	12
156	PAN-EURASIAN EXPERIMENT (PEEX) PROGRAM: AN OVERVIEW OF THE FIRST 5 YEARS IN OPERATION AND FUTURE PROSPECTS. Geography, Environment, Sustainability, 2018, 11, 6-19.	1.3	11
157	Integration of Surface Reflectance and Aerosol Retrieval Algorithms for Multi-Resolution Aerosol Optical Depth Retrievals over Urban Areas. Remote Sensing, 2022, 14, 373.	4.0	11
158	Spatiotemporal changes in aerosols over Bangladesh using 18 years of MODIS and reanalysis data. Journal of Environmental Management, 2022, 315, 115097.	7.8	11
159	Physical and optical aerosol properties at the Dutch North Sea coast based on AERONET observations. Atmospheric Chemistry and Physics, 2007, 7, 3481-3495.	4.9	10
160	Impact of ammonium nitrate chemistry on the AOT in Cabauw, the Netherlands. Atmospheric Environment, 2011, 45, 5640-5646.	4.1	10
161	Understanding MODIS dark-target collection 5 and 6 aerosol data over China: Effect of surface type, aerosol loading and aerosol absorption. Atmospheric Research, 2019, 228, 161-175.	4.1	10
162	Spatiotemporal variation and provincial scale differences of the AOD across China during 2000â€“2021. Atmospheric Pollution Research, 2022, 13, 101359.	3.8	10

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163	Comparison of aerosol optical properties at the sub-arctic stations ALOMAR-Andenes, Abisko and SodankylÃ in late spring and summer 2007. Atmospheric Research, 2012, 107, 20-30.	4.1	9
164	Bubbles Outside the Plume During the LUMINY Wind-Wave Experiment. Geophysical Monograph Series, 0, , 295-301.	0.1	9
165	Satellite-based estimate of the variability of warm cloud properties associated with aerosol and meteorological conditions. Atmospheric Chemistry and Physics, 2018, 18, 18187-18202.	4.9	9
166	Satellite Observations of PM2.5 Changes and Driving Factors Based Forecasting Over China 2000â€“2025. Remote Sensing, 2020, 12, 2518.	4.0	9
167	Solar UV radiation measurements in Marambio, Antarctica, during years 2017â€“2019. Atmospheric Chemistry and Physics, 2020, 20, 6037-6054.	4.9	9
168	Multi-dimensional satellite observations of aerosol properties and aerosol types over three major urban clusters in eastern China. Atmospheric Chemistry and Physics, 2021, 21, 12331-12358.	4.9	9
169	New continuous total ozone, UV, VIS and PAR measurements at Marambio, 64Â°â€‰S, Antarctica. Earth System Science Data, 2020, 12, 947-960.	9.9	9
170	An automated day-time cloud detection technique applied to MSG-SEVIRI data over Western Europe. International Journal of Remote Sensing, 2010, 31, 6073-6093.	2.9	8
171	Determination of land surface reflectance using the AATSR dual-view capability. Atmospheric Measurement Techniques, 2015, 8, 891-906.	3.1	8
172	Six years of surface remote sensing of stratiform warm clouds in marine and continental air over Mace Head, Ireland. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14,538.	3.3	8
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