

Oleg Dubovik

List of Publications by Year in Descending Order

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

271
papers

25,591
citations

73
h-index

157
g-index

338
ext. papers

28,532
ext. citations

5
avg, IF

6.57
L-index

#	Paper	IF	Citations
271	Inferring iron-oxide species content in atmospheric mineral dust from DSCOVR EPIC observations. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 1395-1423	6.8	1
270	Retrieval of aerosol properties using relative radiance measurements from an all-sky camera. <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 407-433	4	2
269	A satellite-measured view of aerosol component content and optical property in a haze-polluted case over North China Plain. <i>Atmospheric Research</i> , 2022 , 266, 105958	5.4	3
268	Aerosol models from the AERONET database: application to surface reflectance validation. <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 1123-1144	4	1
267	The polarization crossfire (PCF) sensor suite focusing on satellite remote sensing of fine particulate matter PM _{2.5} from space. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022 , 108217	2.1	2
266	A Comprehensive Description of Multi-Term LSM for Applying Multiple a Priori Constraints in Problems of Atmospheric Remote Sensing: GRASP Algorithm, Concept, and Applications. <i>Frontiers in Remote Sensing</i> , 2021 , 2,	1	9
265	Extensive characterization of aerosol optical properties and chemical component concentrations: Application of the GRASP/Component approach to long-term AERONET measurements.. <i>Science of the Total Environment</i> , 2021 , 812, 152553	10.2	3
264	Climate models generally underrepresent the warming by Central Africa biomass-burning aerosols over the Southeast Atlantic. <i>Science Advances</i> , 2021 , 7, eabg9998	14.3	0
263	Derivation of PM ₁₀ mass concentration from advanced satellite retrieval products based on a semi-empirical physical approach. <i>Remote Sensing of Environment</i> , 2021 , 256, 112319	13.2	7
262	A Combined Lidar-Polarimeter Inversion Approach for Aerosol Remote Sensing Over Ocean. <i>Frontiers in Remote Sensing</i> , 2021 , 2,	1	1
261	Synergy processing of diverse ground-based remote sensing and in situ data using the GRASP algorithm: applications to radiometer, lidar and radiosonde observations. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 2575-2614	4	11
260	AEROCOM and AEROSAT AAOD and SSA study [Part 1: Evaluation and intercomparison of satellite measurements. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 6895-6917	6.8	5
259	A Dark Target research aerosol algorithm for MODIS observations over eastern China: increasing coverage while maintaining accuracy at high aerosol loading. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 3449-3468	4	2
258	Aerosol above-cloud direct radiative effect and properties in the Namibian region during the AErosol, RadiatiOn, and CLOUDs in southern Africa (AEROCLO-SA) field campaign [Multi-Viewing, Multi-Channel, Multi-Polarization (3MI) airborne simulator and sun photometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 8233-8253	6.8	0
257	Overview of the SLOPE I and II campaigns: aerosol properties retrieved with lidar and sunsky photometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 9269-9287	6.8	1
256	Spatio-Temporal Variability of Aerosol Components, Their Optical and Microphysical Properties over North China during Winter Haze in 2012, as Derived from POLDER/PARASOL Satellite Observations. <i>Remote Sensing</i> , 2021 , 13, 2682	5	3
255	Characterization of temporal and spatial variability of aerosols from ground-based climatology: towards evaluation of satellite mission requirements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021 , 268, 107627	2.1	0

254	Capability of Superspheroids for Modeling PARASOL Observations Under Dusty-Sky Conditions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126,	4.4	4
253	The Potential of GRASP/GARRLiC Retrievals for Dust Aerosol Model Evaluation: Case Study during the PreTECT Campaign. <i>Remote Sensing</i> , 2021 , 13, 873	5	2
252	Grand Challenges in Satellite Remote Sensing. <i>Frontiers in Remote Sensing</i> , 2021 , 2,	1	14
251	A correlation-based inversion method for aerosol property (CIMAP) retrieval from AERONET measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021 , 272, 107808	2.1	
250	Validation of the aerosol optical property products derived by the GRASP/Component approach from multi-angular polarimetric observations. <i>Atmospheric Research</i> , 2021 , 263, 105802	5.4	4
249	Vertical assessment of the mineral dust optical and microphysical properties as retrieved from the synergy between polarized micro-pulse lidar and sun/sky photometer observations using GRASP code. <i>Atmospheric Research</i> , 2021 , 264, 105818	5.4	0
248	Retrievals of fine mode light-absorbing carbonaceous aerosols from POLDER/PARASOL observations over East and South Asia. <i>Remote Sensing of Environment</i> , 2020 , 247, 111913	13.2	21
247	Intercomparison of Magnitudes and Trends in Anthropogenic Surface Emissions From Bottom-Up Inventories, Top-Down Estimates, and Emission Scenarios. <i>Earth's Future</i> , 2020 , 8, e2020EF001520	7.9	23
246	Impact of Aerosol Vertical Distribution on Aerosol Optical Depth Retrieval from Passive Satellite Sensors. <i>Remote Sensing</i> , 2020 , 12, 1524	5	11
245	Climatology of Fine and Coarse Mode Aerosol Optical Thickness Over East and South Asia Derived From POLDER/PARASOL Satellite. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032665	4.4	6
244	Synergy of Satellite- and Ground-Based Aerosol Optical Depth Measurements Using an Ensemble Kalman Filter Approach. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031884	4.4	6
243	Merging regional and global aerosol optical depth records from major available satellite products. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2031-2056	6.8	56
242	Toward an Operational Anthropogenic CO ₂ Emissions Monitoring and Verification Support Capacity. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1439-E1451	6.1	29
241	Validation of POLDER GRASP aerosol optical retrieval over China using SONET observations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020 , 246, 106931	2.1	23
240	Is the near-spherical shape the new black for smoke?. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 14005-14021	6.8	9
239	Aerosol vertical distribution and interactions with land/sea breezes over the eastern coast of the Red Sea from lidar data and high-resolution WRF-Chem simulations. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 16089-16116	6.8	8
238	Retrieval of aerosol properties from Airborne Hyper-Angular Rainbow Polarimeter (AirHARP) observations during ACEPOL 2017. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 5207-5236	4	6
237	Combined use of Mie-Raman and fluorescence lidar observations for improving aerosol characterization: feasibility experiment. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 6691-6701	4	7

236	Validation of GRASP algorithm product from POLDER/PARASOL data and assessment of multi-angular polarimetry potential for aerosol monitoring. <i>Earth System Science Data</i> , 2020 , 12, 3573-3620	10.5	30
235	Synergetic Observations by Ground-Based and Space Lidar Systems and Aeronet Sun-Radiometers: A Step to Advanced Regional Monitoring of Large Scale Aerosol Changes. <i>EPJ Web of Conferences</i> , 2020 , 237, 02035	0.3	0
234	Mobile Observations by Lidar, Sun Photometer and in Situ in North China Plain. <i>EPJ Web of Conferences</i> , 2020 , 237, 02024	0.3	
233	Retrieval of 500 m Aerosol Optical Depths from MODIS Measurements over Urban Surfaces under Heavy Aerosol Loading Conditions in Winter. <i>Remote Sensing</i> , 2019 , 11, 2218	5	13
232	Constraining global aerosol emissions using POLDER/PARASOL satellite remote sensing observations 2019 ,		1
231	Spatial distribution of aerosol microphysical and optical properties and direct radiative effect from the China Aerosol Remote Sensing Network. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11843-11864	6.8	65
230	Retrievals of Aerosol Size Distribution, Spherical Fraction, and Complex Refractive Index From Airborne In Situ Angular Light Scattering and Absorption Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 7997-8024	4.4	16
229	Retrieval of aerosol properties from ceilometer and photometer measurements: long-term evaluation with in situ data and statistical analysis at Montsec (southern Pyrenees). <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 3255-3267	4	13
228	Long-range-transported Canadian smoke plumes in the lower stratosphere over northern France. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 1173-1193	6.8	65
227	The Fundamental Aerosol Models Over China Region: A Cluster Analysis of the Ground-Based Remote Sensing Measurements of Total Columnar Atmosphere. <i>Geophysical Research Letters</i> , 2019 , 46, 4924-4932	4.9	15
226	A Laboratory Experiment for the Statistical Evaluation of Aerosol Retrieval (STEAR) Algorithms. <i>Remote Sensing</i> , 2019 , 11, 498	5	11
225	Atmospheric Correction of Satellite Ocean-Color Imagery During the PACE Era. <i>Frontiers in Earth Science</i> , 2019 , 7,	3.5	52
224	Merging regional and global AOD records from 15 available satellite products 2019 ,		1
223	Retrieving Aerosol Characteristics From the PACE Mission, Part 2: Multi-Angle and Polarimetry. <i>Frontiers in Environmental Science</i> , 2019 , 7,	4.8	19
222	A Correlated Multi-Pixel Inversion Approach for Aerosol Remote Sensing. <i>Remote Sensing</i> , 2019 , 11, 7465		21
221	Retrieval of aerosol components directly from satellite and ground-based measurements. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 13409-13443	6.8	45
220	Effects of the shape distribution of aerosol particles on their volumetric scattering properties and the radiative transfer through the atmosphere that includes polarization. <i>Applied Optics</i> , 2019 , 58, 1475-1484	1.7	7
219	Constraining global aerosol emissions using POLDER/PARASOL satellite remote sensing observations. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14585-14606	6.8	24

218	Different strategies to retrieve aerosol properties at night-time with the GRASP algorithm. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14149-14171	6.8	18
217	Polarimetric remote sensing of atmospheric aerosols: Instruments, methodologies, results, and perspectives. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019 , 224, 474-511	2.1	124
216	Retrieval of aerosol profiles combining sunphotometer and ceilometer measurements in GRASP code. <i>Atmospheric Research</i> , 2018 , 204, 161-177	5.4	31
215	Aerosol optical properties and direct radiative forcing based on measurements from the China Aerosol Remote Sensing Network (CARSNET) in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 405-425	6.8	72
214	Harnessing remote sensing to address critical science questions on ocean-atmosphere interactions. <i>Elementa</i> , 2018 , 6,	3.6	11
213	Aerosol absorption measurements and retrievals in shadow2 campaign. <i>EPJ Web of Conferences</i> , 2018 , 176, 10003	0.3	
212	Microscopic Observations of Core-Shell Particle Structure and Implications for Atmospheric Aerosol Remote Sensing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13,944	4.4	6
211	Validation of SOAR VIIRS Over-Water Aerosol Retrievals and Context Within the Global Satellite Aerosol Data Record. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13,496	4.4	20
210	Assessing Superspheroids in Modeling the Scattering Matrices of Dust Aerosols. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13,917	4.4	15
209	Aerosol absorption profiling from the synergy of lidar and sun-photometry: the ACTRIS-2 campaigns in Germany, Greece and Cyprus. <i>EPJ Web of Conferences</i> , 2018 , 176, 08005	0.3	4
208	Retrieval of desert dust and carbonaceous aerosol emissions over Africa from POLDER/PARASOL products generated by the GRASP algorithm. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 12551-12580	6.8	44
207	Retrieval of Desert Dust and Carbonaceous Aerosol Emissions over Africa from POLDER/PARASOL Products Generated by GRASP Algorithm 2018 ,		1
206	Reducing Multi-sensor Monthly Mean Aerosol Optical Depth Uncertainty Part II: Optimal Locations for Potential Ground Observation Deployments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , Volume 122, 3920-3928	4.4	3
205	Coupled retrieval of aerosol properties and land surface reflection using the Airborne Multiangle SpectroPolarimetric Imager. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 7004-7026	4.4	48
204	Remote sensing of lunar aureole with a sky camera: Adding information in the nocturnal retrieval of aerosol properties with GRASP code. <i>Remote Sensing of Environment</i> , 2017 , 196, 238-252	13.2	27
203	Contrast in column-integrated aerosol optical properties during heating and non-heating seasons at Urumqi Its causes and implications. <i>Atmospheric Research</i> , 2017 , 191, 34-43	5.4	7
202	Advanced characterisation of aerosol size properties from measurements of spectral optical depth using the GRASP algorithm. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 3743-3781	4	48
201	GARRLiC and LIRIC: strengths and limitations for the characterization of dust and marine particles along with their mixtures. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 4995-5016	4	29

200	Comparative assessment of GRASP algorithm for a dust event over Granada (Spain) during ChArMEx-ADRIMED 2013 campaign. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 4439-4457	4	29
199	Effect of sea breeze circulation on aerosol mixing state and radiative properties in a desert setting. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11331-11353	6.8	15
198	Retrievals of aerosol optical and microphysical properties from Imaging Polar Nephelometer scattering measurements. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 811-824	4	36
197	Aerosol Vertical Profiling Utilizing the Synergy of Lidar, Sunphotometry and In-Situ Measurements in the Framework of the ACTRIS-2 Campaign in Athens. <i>Springer Atmospheric Sciences</i> , 2017 , 891-897	0.7	1
196	Studying aerosol light scattering based on aspect ratio distribution observed by fluorescence microscope. <i>Optics Express</i> , 2017 , 25, A813-A823	3.3	3
195	Study of African Dust with Multi-Wavelength Raman Lidar During Shadow Campaign in Senegal. <i>EPJ Web of Conferences</i> , 2016 , 119, 08003	0.3	1
194	Reducing multisensor satellite monthly mean aerosol optical depth uncertainty: 1. Objective assessment of current AERONET locations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 13609-13627	4.4	15
193	Remote sensing of soot carbon [Part 2: Understanding the absorption β_{str} exponent]. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 1587-1602	6.8	52
192	Remote sensing of soot carbon [Part 1: Distinguishing different absorbing aerosol species]. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 1565-1585	6.8	60
191	Comprehensive tool for calculation of radiative fluxes: illustration of shortwave aerosol radiative effect sensitivities to the details in aerosol and underlying surface characteristics. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 5763-5780	6.8	28
190	Retrieval of optical and physical properties of African dust from multiwavelength Raman lidar measurements during the SHADOW campaign in Senegal. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 7013-7028	6.8	71
189	Profiling of aerosol microphysical properties at several EARLINET/AERONET sites during the July 2012 ChArMEx/EMEP campaign. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 7043-7066	6.8	20
188	Utilization of AERONET polarimetric measurements for improving retrieval of aerosol microphysics: GSFC, Beijing and Dakar data analysis. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016 , 179, 72-97	2.1	19
187	Comparison of aerosol properties retrieved using GARRLiC, LIRIC, and Raman algorithms applied to multi-wavelength lidar and sun/sky-photometer data. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 3391-3405	4	30
186	Joint retrieval of aerosol and water-leaving radiance from multispectral, multiangular and polarimetric measurements over ocean. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 2877-2907	4	53
185	A comparative study of aerosol microphysical properties retrieved from ground-based remote sensing and aircraft in situ measurements during a Saharan dust event. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 1113-1133	4	27
184	Lidar-Radiometer Inversion Code (LIRIC) for the retrieval of vertical aerosol properties from combined lidar/radiometer data: development and distribution in EARLINET. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 1181-1205	4	65
183	Development, Production and Evaluation of Aerosol Climate Data Records from European Satellite Observations (Aerosol_cci). <i>Remote Sensing</i> , 2016 , 8, 421	5	107

182	Application of the Garrlic Algorithm for the Characterization of Dust and Marine Particles Utilizing the Lidar-Sunphotometer Synergy. <i>EPJ Web of Conferences</i> , 2016 , 119, 23021	0.3	1
181	Space-based remote sensing of atmospheric aerosols: The multi-angle spectro-polarimetric frontier. <i>Earth-Science Reviews</i> , 2015 , 145, 85-116	10.2	62
180	Application of aerosol optical properties to estimate aerosol type from ground-based remote sensing observation at urban area of northeastern China. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015 , 132, 37-47	2	23
179	Retrieval of aerosol microphysical properties from AERONET photopolarimetric measurements: 2. A new research algorithm and case demonstration. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 7079-7098	4.4	48
178	Direct radiative effect by brown carbon over the Indo-Gangetic Plain. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 12731-12740	6.8	17
177	Corrigendum to "Recent trends in aerosol optical properties derived from AERONET measurements" published in <i>Atmos. Chem. Phys.</i> , 14, 12271-12289, 2014. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1599-1599	6.8	2
176	High temporal resolution estimates of columnar aerosol microphysical parameters from spectrum of aerosol optical depth by linear estimation: application to long-term AERONET and star-photometry measurements. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 3117-3133	4	22
175	Analytical algorithm for modeling polarized solar radiation transfer through the atmosphere for application in processing complex lidar and radiometer measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015 , 151, 275-286	2.1	1
174	Polarization of cosmic dust simulated with the rough spheroid model. <i>Planetary and Space Science</i> , 2015 , 116, 30-38	2	15
173	Retrieving aerosol microphysical properties by Lidar-Radiometer Inversion Code (LIRIC) for different aerosol types. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 4836-4858	4.4	33
172	Sensitivity of aerosol retrieval to geometrical configuration of ground-based sun/sky radiometer observations. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 847-875	6.8	32
171	Recent trends in aerosol optical properties derived from AERONET measurements. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 12271-12289	6.8	104
170	Column aerosol optical properties and aerosol radiative forcing during a serious haze-fog month over North China Plain in 2013 based on ground-based sunphotometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 2125-2138	6.8	228
169	Aerosol seasonal variations over urban/industrial regions in Ukraine according to AERONET and POLDER measurements. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 1459-1474	4	25
168	Accounting for particle non-sphericity in modeling of mineral dust radiative properties in the thermal infrared. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014 , 149, 219-240	2.1	12
167	Evaluation of the Lidar/Radiometer Inversion Code (LIRIC) to determine microphysical properties of volcanic and desert dust 2013 ,		2
166	Enhancement of aerosol characterization using synergy of lidar and sun-photometer coincident observations: the GARRLiC algorithm. <i>Atmospheric Measurement Techniques</i> , 2013 , 6, 2065-2088	4	105
165	Measurements on pointing error and field of view of Cimel-318 Sun photometers in the scope of AERONET. <i>Atmospheric Measurement Techniques</i> , 2013 , 6, 2207-2220	4	14

164	Evaluation of the Lidar/Radiometer Inversion Code (LIRIC) to determine microphysical properties of volcanic and desert dust. <i>Atmospheric Measurement Techniques</i> , 2013 , 6, 1707-1724	4	67
163	Enhancement of aerosol characterization using synergy of lidar and sun photometer coincident observations: the GARRLiC algorithm 2013 ,		6
162	Retrieval of height-temporal distributions of particle parameters from multiwavelength lidar measurements using linear estimation technique and comparison results with AERONET 2013 ,		2
161	Retrieval of spatio-temporal distributions of particle parameters from multiwavelength lidar measurements using the linear estimation technique and comparison with AERONET. <i>Atmospheric Measurement Techniques</i> , 2013 , 6, 2671-2682	4	24
160	Aerosol physical and chemical properties retrieved from ground-based remote sensing measurements during heavy haze days in Beijing winter. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 10171-10183	6.8	119
159	Aerosol seasonal variations over urban sites in Ukraine and Belarus according to AERONET and POLDER measurements 2013 ,		1
158	Vertical profiles of pure dust and mixed smoke-dust plumes inferred from inversion of multiwavelength Raman/polarization lidar data and comparison to AERONET retrievals and in situ observations. <i>Applied Optics</i> , 2013 , 52, 3178-202	1.7	50
157	Absorption properties of Mediterranean aerosols obtained from multi-year ground-based remote sensing observations. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 9195-9210	6.8	80
156	Variability of aerosol properties over Eastern Europe observed from ground and satellites in the period from 2003 to 2011. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 6587-6602	6.8	33
155	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
154	Retrieval of aerosol microphysical and optical properties above liquid clouds from POLDER/PARASOL polarization measurements. <i>Atmospheric Measurement Techniques</i> , 2013 , 6, 991-1016 ⁴		84
153	Determination of aerosol optical properties from inverse methods 2013 , 101-136		4
152	Raman lidar observations of a Saharan dust outbreak event: Characterization of the dust optical properties and determination of particle size and microphysical parameters. <i>Atmospheric Environment</i> , 2012 , 50, 66-78	5.3	48
151	Model for land surface reflectance treatment: Physical derivation, application for bare soil and evaluation on airborne and satellite measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012 , 113, 2023-2039	2.1	17
150	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
149	Optical properties and radiative forcing of the Eyjafjallajökull volcanic ash layer observed over Lille, France, in 2010. <i>Journal of Geophysical Research</i> , 2012 , 117,		27
148	Aerosol Radiative Forcing: AERONET-Based Estimates 2012 ,		6
147	Retrieval of aerosol microphysical and optical properties above liquid clouds from POLDER/PARASOL polarization measurements 2012 ,		2

146	Development of a new data-processing method for SKYNET sky radiometer observations. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 2723-2737	4	57
145	Linear estimation of particle bulk parameters from multi-wavelength lidar measurements. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 1135-1145	4	51
144	Development of a new data-processing method for SKYNET sky radiometer observations 2012 ,		2
143	Shortwave radiative forcing and efficiency of key aerosol types using AERONET data. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 5129-5145	6.8	111
142	The evolution of microphysical and optical properties of an A380 contrail in the vortex phase. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 6629-6643	6.8	30
141	Mixing of dust and NH ₄ ⁺ observed globally over anthropogenic dust sources. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 7351-7363	6.8	33
140	Comparison of CALIPSO aerosol optical depth retrievals to AERONET measurements, and a climatology for the lidar ratio of dust. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 7431-7452	6.8	158
139	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
138	Assessing boreal forest fire smoke aerosol impacts on U.S. air quality: A case study using multiple data sets. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		40
137	Physico-chemical and optical properties of Sahelian and Saharan mineral dust: in situ measurements during the GERBILS campaign. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011 , 137, 1193-1210	6.4	49
136	Aerosol layer properties over Kyiv from AERONET/PHOTONS sunphotometer measurements during 2008-2009. <i>International Journal of Remote Sensing</i> , 2011 , 32, 657-669	3.1	9
135	Remote sensing of aerosols by using polarized, directional and spectral measurements within the A-Train: the PARASOL mission 2011 ,		13
134	Statistically optimized inversion algorithm for enhanced retrieval of aerosol properties from spectral multi-angle polarimetric satellite observations. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 975-1018	4	360
133	Remote sensing of aerosols by using polarized, directional and spectral measurements within the A-Train: the PARASOL mission. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 1383-1395	4	199
132	Linear estimation of particle bulk parameters from multi-wavelength lidar measurements 2011 ,		1
131	Atmosphere Aerosol Properties Measured with AERONET/PHOTONS Sun-Photometer over Kyiv During 2008-2009. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2011 , 285-294	0.3	3
130	The inter-comparison of major satellite aerosol retrieval algorithms using simulated intensity and polarization characteristics of reflected light. <i>Atmospheric Measurement Techniques</i> , 2010 , 3, 909-932	4	114
129	Statistically optimized inversion algorithm for enhanced retrieval of aerosol properties from spectral multi-angle polarimetric satellite observations 2010 ,		10

128	Climatological aspects of the optical properties of fine/coarse mode aerosol mixtures. <i>Journal of Geophysical Research</i> , 2010 , 115,		276
127	Application of randomly oriented spheroids for retrieval of dust particle parameters from multiwavelength lidar measurements. <i>Journal of Geophysical Research</i> , 2010 , 115,		87
126	Absorption Angstrom Exponent in AERONET and related data as an indicator of aerosol composition. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 1155-1169	6.8	463
125	Simultaneous retrieval of aerosol and surface optical properties from combined airborne- and ground-based direct and diffuse radiometric measurements. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 2777-2794	6.8	19
124	Corrigendum to "Evaluation of black carbon estimations in global aerosol models" published in <i>Atmos. Chem. Phys.</i> , 9, 9001-9026, 2009. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 79-81	6.8	16
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