

Nobuo Sugimoto

List of Publications by Year in descending order

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265
papers

8,464
citations

57631

44
h-index

58464

82
g-index

270
all docs

270
docs citations

270
times ranked

6242
citing authors

#	ARTICLE	IF	CITATIONS
1	Possible use of fluorescence from iodine blocking filter in high-spectral-resolution lidar to detect Mie scattering signals. <i>Applied Optics</i> , 2021, 60, 3617.	0.9	1
2	Observation of clouds, aerosols, and precipitation by multiple-field-of-view multiple-scattering polarization lidar at 355 nm. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 271, 107710.	1.1	2
3	Long-Range-Transported Mineral Dust From Africa and Middle East to East Asia Observed with the Asian Dust and Aerosol Lidar Observation Network (AD-Net). <i>EPJ Web of Conferences</i> , 2020, 237, 05009.	0.1	1
4	Development of a 355-nm high-spectral-resolution lidar using a scanning Michelson interferometer for aerosol profile measurement. <i>Optics Express</i> , 2020, 28, 23209.	1.7	13
5	Development of Compact Backscattering Lidars for Aerosol Monitoring Applications Including Indoor Use. , 2020, , .		0
6	Large-scale dust event in East Asia, as revealed by the Himawari-8 DUST RGB, lidar network observations, and field survey. <i>E3S Web of Conferences</i> , 2019, 99, 01004.	0.2	1
7	Long-range transport of mineral dust observed with the Asian Dust and aerosol lidar observation Network (AD-Net). <i>E3S Web of Conferences</i> , 2019, 99, 02001.	0.2	3
8	Ceiliometer Observation of a Dust Event in the Gobi Desert on 29â€“30 April 2015: Sudden Arrival of a Developed Dust Storm and Trapping of Dust Within an Inversion Layer. <i>Scientific Online Letters on the Atmosphere</i> , 2019, 15, 52-56.	0.6	4
9	Dust Heterogeneous Reactions during Long-Range Transport of a Severe Dust Storm in May 2017 over East Asia. <i>Atmosphere</i> , 2019, 10, 680.	1.0	11
10	Aerosol model evaluation using two geostationary satellites over East Asia in May 2016. <i>Atmospheric Research</i> , 2019, 217, 93-113.	1.8	14
11	Transport of Mineral Dust from Africa and Middle East to East Asia Observed with the Lidar Network (AD-Net). <i>Scientific Online Letters on the Atmosphere</i> , 2019, 15, 257-261.	0.6	7
12	Measurement of water mist particle size generated by rocket launch using a two-wavelength multi-static lidar. <i>Applied Optics</i> , 2019, 58, 6274.	0.9	0
13	Large-Scale Dust Event in East Asia in May 2017: Dust Emission and Transport from Multiple Source Regions. <i>Scientific Online Letters on the Atmosphere</i> , 2018, 14, 33-38.	0.6	16
14	Application of multiple-scattering polarization lidar for the evaluation of space-borne lidar algorithms. <i>EPJ Web of Conferences</i> , 2018, 176, 02014.	0.1	0
15	Optical Measurement of Asian Dust over Daejeon City in 2016 by Depolarization Lidar in AD-Network. <i>EPJ Web of Conferences</i> , 2018, 176, 09015.	0.1	0
16	Recent developments with the asian dust and aerosol lidar observation network (AD-NET). <i>EPJ Web of Conferences</i> , 2018, 176, 09001.	0.1	3
17	Lidar network observation of dust layer evolution over the Gobi Desert in MAY 2013. <i>EPJ Web of Conferences</i> , 2018, 176, 05009.	0.1	1
18	Aerosol observation using multi-wavelength Mie-Raman lidars of the Ad-Net and aerosol component analysis. <i>EPJ Web of Conferences</i> , 2018, 176, 09005.	0.1	0

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19	Retrieval of Aerosol Components Using Multi-Wavelength Mie-Raman Lidar and Comparison with Ground Aerosol Sampling. <i>Remote Sensing</i> , 2018, 10, 937.	1.8	20
20	Lidar Network Observation of Dust Layer Development over the Gobi Desert in Association with a Cold Frontal System on 22-23 May 2013. <i>Journal of the Meteorological Society of Japan</i> , 2018, 96, 255-268.	0.7	12
21	Evaluation of ceilometer attenuated backscattering coefficients for aerosol profile measurement. <i>Journal of Applied Remote Sensing</i> , 2018, 12, 1.	0.6	6
22	Meteorological Factors Affecting Winter Particulate Air Pollution in Ulaanbaatar from 2008 to 2016. <i>Asian Journal of Atmospheric Environment</i> , 2018, 12, 244-254.	0.4	11
23	Development of multiple scattering polarization lidar to observe depolarization ratio of optically thick low level clouds. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
24	Significant impacts of heterogeneous reactions on the chemical composition and mixing state of dust particles: A case study during dust events over northern China. <i>Atmospheric Environment</i> , 2017, 159, 83-91.	1.9	60
25	Real-time observational evidence of changing Asian dust morphology with the mixing of heavy anthropogenic pollution. <i>Scientific Reports</i> , 2017, 7, 335.	1.6	53
26	Optical properties of mixed aerosol layers over Japan derived with multi-wavelength Mie-Raman lidar system. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 188, 20-27.	1.1	19
27	Ground-based network observation using Mie-Raman lidars and multi-wavelength Raman lidars and algorithm to retrieve distributions of aerosol components. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 188, 79-93.	1.1	47
28	Technical note: Boundary layer height determination from lidar for improving air pollution episode modeling: development of new algorithm and evaluation. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 6215-6225.	1.9	41
29	Variations of Dust Extinction Coefficient Estimated by Lidar Observations over Japan, 2007-2016. <i>Scientific Online Letters on the Atmosphere</i> , 2017, 13, 205-208.	0.6	6
30	Inverse Modeling of Asian Dust Emissions with POPC Observations: A TEMM Dust Sand Storm 2014 Case Study. <i>Scientific Online Letters on the Atmosphere</i> , 2017, 13, 31-35.	0.6	7
31	Air Particulate Pollution in Ulaanbaatar, Mongolia: Variation in Atmospheric Conditions from Autumn to Winter. <i>Scientific Online Letters on the Atmosphere</i> , 2017, 13, 90-95.	0.6	7
32	Measurement method of high spectral resolution lidar with a multimode laser and a scanning Mach-Zehnder interferometer. <i>Applied Optics</i> , 2017, 56, 5990.	0.9	18
33	The Asian Dust and Aerosol Lidar Observation Network (AD-Net)., 2016, , .		1
34	Depolarization Ratio of Clouds Measured by Multiple-Field of view Multiple Scattering Polarization Lidar. <i>EPJ Web of Conferences</i> , 2016, 119, 11007.	0.1	3
35	Aerosols Monitoring Network to Create a Volcanic ASH Risk Management System in Argentina and Chile. <i>EPJ Web of Conferences</i> , 2016, 119, 19006.	0.1	2
36	The Asian Dust and Aerosol Lidar Observation Network (AD-NET): Strategy and Progress. <i>EPJ Web of Conferences</i> , 2016, 119, 19001.	0.1	13

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37	Development of a multiple-field-of-view multiple-scattering polarization lidar: comparison with cloud radar. <i>Optics Express</i> , 2016, 24, 30053.	1.7	23
38	A Concept of Multi-Mode High Spectral Resolution Lidar Using Mach-Zehnder Interferometer. <i>EPJ Web of Conferences</i> , 2016, 119, 02006.	0.1	2
39	Evolution of a lidar network for tropospheric aerosol detection in East Asia. <i>Optical Engineering</i> , 2016, 56, 031219.	0.5	64
40	Long-range atmospheric transport of volatile monocarboxylic acids with Asian dust over a high mountain snow site, central Japan. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14621-14633.	1.9	25
41	Polarization properties of aerosol particles over western Japan: classification, seasonal variation, and implications for air quality. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9863-9873.	1.9	21
42	Development of a high-spectral-resolution lidar for continuous observation of aerosols in South America. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
43	Effect of desert dust exposure on allergic symptoms. <i>Annals of Allergy, Asthma and Immunology</i> , 2016, 116, 425-430.e7.	0.5	26
44	A method for estimating the fraction of mineral dust in particulate matter using PM _{2.5} -to-PM ₁₀ ratios. <i>Particuology</i> , 2016, 28, 114-120.	2.0	53
45	Observation of the simultaneous transport of Asian mineral dust aerosols with anthropogenic pollutants using a POPC during a long-lasting dust event in late spring 2014. <i>Geophysical Research Letters</i> , 2015, 42, 1593-1598.	1.5	40
46	An evaluation of simulated particulate sulfate over East Asia through global model intercomparison. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6247-6270.	1.2	26
47	Aerosol characteristics in Phimai, Thailand determined by continuous observation with a polarization sensitive Mie-Raman lidar and a sky radiometer. <i>Environmental Research Letters</i> , 2015, 10, 065003.	2.2	13
48	Application of a global nonhydrostatic model with a stretched-grid system to regional aerosol simulations around Japan. <i>Geoscientific Model Development</i> , 2015, 8, 235-259.	1.3	33
49	Dust Event in the Gobi Desert on 22-23 May 2013: Transport of Dust from the Atmospheric Boundary Layer to the Free Troposphere by a Cold Front. <i>Scientific Online Letters on the Atmosphere</i> , 2015, 11, 156-159.	0.6	16
50	Direct comparison of extinction coefficients derived from Mie-scattering lidar and number concentrations of particles, subjective weather report in Japan. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 153, 77-87.	1.1	9
51	Ceilometer calibration for retrieval of aerosol optical properties. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 153, 49-56.	1.1	30
52	Ground-based measurement of fluorescent aerosol particles in Tokyo in the spring of 2013: Potential impacts of nonbiological materials on autofluorescence measurements of airborne particles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1171-1185.	1.2	19
53	Stable dual-wavelength Q-switched Nd:YAG laser using a two-step energy extraction technique. <i>Applied Optics</i> , 2015, 54, 3032.	0.9	7
54	Detection of internally mixed Asian dust with air pollution aerosols using a polarization optical particle counter and a polarization-sensitive two-wavelength lidar. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 150, 107-113.	1.1	54

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55	Estimation of Particle Mass Concentration from Lidar Measurement. <i>Atmosphere</i> , 2015, 25, 169-177.	0.3	3
56	Record Heavy PM _{2.5} ; Air Pollution over China in January 2013: Vertical and Horizontal Dimensions. <i>Scientific Online Letters on the Atmosphere</i> , 2014, 10, 136-140.	0.6	26
57	Birth cohort study on the effects of desert dust exposure on children's health: protocol of an adjunct study of the Japan Environment & Children's Study. <i>BMJ Open</i> , 2014, 4, e004863-e004863.	0.8	11
58	Aerosol characterization with lidar methods. , 2014, , .		1
59	Use of ceilometers for aerosol profile measurements: a comment from AD-Net. , 2014, , .		0
60	Development of a polarization optical particle counter capable of aerosol type classification. <i>Atmospheric Environment</i> , 2014, 97, 486-492.	1.9	39
61	Lidar methods for observing mineral dust. <i>Journal of Meteorological Research</i> , 2014, 28, 173-184.	0.9	28
62	Aerial observations of air masses transported from East Asia to the Western Pacific: Vertical structure of polluted air masses. <i>Atmospheric Environment</i> , 2014, 97, 456-461.	1.9	17
63	Case study of absorption aerosol optical depth closure of black carbon over the East China Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 122-136.	1.2	19
64	Observation of low single scattering albedo of aerosols in the downwind of the East Asian desert and urban areas during the inflow of dust aerosols. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 787-802.	1.2	23
65	Characterization of aerosols in East Asia with the Asian Dust and Aerosol Lidar Observation Network (AD-Net). <i>Proceedings of SPIE</i> , 2014, , .	0.8	19
66	Characterizing the vertical profile of aerosol particle extinction and linear depolarization over Southeast Asia and the Maritime Continent: The 2007-2009 view from CALIOP. <i>Atmospheric Research</i> , 2013, 122, 520-543.	1.8	79
67	Analysis of dust events in 2008 and 2009 using the lidar network, surface observations and the CFORS model. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2013, 49, 27-39.	1.3	24
68	Long term analysis of cirrus clouds' effects on shortwave and longwave radiation derived from data acquired by ground-based and satellite-borne observations. <i>AIP Conference Proceedings</i> , 2013, , .	0.3	3
69	Recommendations for reporting "black carbon" measurements. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8365-8379.	1.9	808
70	Uplifting of Asian Continental Pollution Plumes from the Boundary Layer to the Free Atmosphere over the Northwestern Pacific Rim in Spring. <i>Scientific Online Letters on the Atmosphere</i> , 2013, 9, 40-44.	0.6	7
71	The occurrence of cirrus clouds associated with eastward propagating equatorial inertia-gravity and Kelvin waves in November 2011 during the CINDY2011/DYNAMO campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,941.	1.2	17
72	Remote Sensing of Asian Dust at Daejeon Station in NIES Lidar Network. <i>Lecture Notes in Electrical Engineering</i> , 2013, , 653-659.	0.3	0

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73	Development of a simultaneous dual-wavelength Q-switched Nd:YAG laser at 1064 and 1319 nm. Proceedings of SPIE, 2012, , .	0.8	2
74	Fluorescence from atmospheric aerosols observed with a multi-channel lidar spectrometer. Optics Express, 2012, 20, 20800.	1.7	56
75	Development of polarization optical particle counter to detect particle shape information. , 2012, , .		1
76	Improvement of NIES lidar network observations by adding Raman scatter measurement function. , 2012, , .		0
77	i-LOVE: ISS-JEM lidar for observation of vegetation environment. , 2012, , .		1
78	Study of fluorescence of atmospheric aerosols using a lidar spectrometer. , 2012, , .		2
79	Local distribution of PM _{2.5} concentration over Osaka based on space and ground measurements. Proceedings of SPIE, 2012, , .	0.8	2
80	Observed radiative effects caused by yellow dust aerosol at Sendai. Proceedings of SPIE, 2012, , .	0.8	0
81	Simulation and visualization of echo signals from forest for i-LOVE. , 2012, , .		1
82	Relationship between cloud base height retrieved from lidar and downward longwave irradiance. Proceedings of SPIE, 2012, , .	0.8	0
83	Dust episodes in Hong Kong (South China) and their relationship with the Sharav and Mongolian cyclones and jet streams. Air Quality, Atmosphere and Health, 2012, 5, 413-424.	1.5	11
84	Measuring forest canopy height using ICESat/GLAS data for applying to Japanese spaceborne lidar mission. , 2012, , .		1
85	Atmospheric transport route determines components of Asian dust and health effects in Japan. Atmospheric Environment, 2012, 49, 94-102.	1.9	102
86	Dust, biomass burning smoke, and anthropogenic aerosol detected by polarization-sensitive Mie lidar measurements in Mongolia. Atmospheric Environment, 2012, 54, 231-241.	1.9	9
87	Intercomparisons of cloud-top and cloud-base heights from ground-based Lidar, CloudSat and CALIPSO measurements. International Journal of Remote Sensing, 2011, 32, 1179-1197.	1.3	38
88	Spatial and temporal variations of dust concentrations in the Gobi Desert of Mongolia. Global and Planetary Change, 2011, 78, 14-22.	1.6	83
89	Lidar measurements of Raman scattering at ultraviolet wavelength from mineral dust over East Asia. Optics Express, 2011, 19, 1569.	1.7	17
90	Comparison of Surface Observations and a Regional Dust Transport Model Assimilated with Lidar Network Data in Asian Dust Event of March 29 to April 2, 2007. Scientific Online Letters on the Atmosphere, 2011, 7A, 13-16.	0.6	30

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91	Seasonal Characteristics of Spherical Aerosol Distribution in Eastern Asia: Integrated Analysis Using Ground/Space-Based Lidars and a Chemical Transport Model. Scientific Online Letters on the Atmosphere, 2011, 7, 121-124.	0.6	27
92	Monitoring of Asian Dust and Air-Pollution Aerosols Using A Network of Polarization Lidars. The Review of Laser Engineering, 2011, 39, 579-584.	0.0	1
93	Large Asian dust layers continuously reached North America in April 2010. Atmospheric Chemistry and Physics, 2011, 11, 7333-7341.	1.9	65
94	Influence of blocking effect of mountain and local front on two Asian-dust events observed at Mt. Haruna and Tsukuba in Kanto, Japan, in 2007. Atmospheric Environment, 2011, 45, 4429-4441.	1.9	4
95	Chemical composition of urban airborne particulate matter in Ulaanbaatar. Atmospheric Environment, 2011, 45, 5710-5715.	1.9	36
96	Algorithms to retrieve optical properties of three component aerosols from two-wavelength backscatter and one-wavelength polarization lidar measurements considering nonsphericity of dust. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 254-267.	1.1	40
97	AEROSOL classification retrieval algorithms for EarthCARE/ATLID, CALIPSO/CALIOP, and ground-based lidars. , 2011, , .		0
98	Dual-wavelength High-Spectral-Resolution Lidar for advanced classification and retrieval of aerosols. , 2011, , .		1
99	Relationship between Lidar-derived Dust Extinction Coefficients and Mass Concentrations in Japan. Scientific Online Letters on the Atmosphere, 2011, 7A, 1-5.	0.6	32
100	Short-Term Variations in Aerosol Components during the Same Asian Dust (Kosa) Event Observed in Nagasaki, Japan and Beijing, China. Scientific Online Letters on the Atmosphere, 2011, 7A, 9-12.	0.6	5
101	Lidar for observation of vegetation environment from International Space Station (ISS)/Japanese Experiment Module (JEM)-Exposed Facility (EF). , 2010, , .		3
102	Lidar network observation of tropospheric aerosols. , 2010, , .		5
103	Temporal variations of black carbon in Guangzhou, China, in summer 2006. Atmospheric Chemistry and Physics, 2010, 10, 6471-6485.	1.9	58
104	Asian dust event observed in Seoul, Korea, during 29 th –31 May 2008: Analysis of transport and vertical distribution of dust particles from lidar and surface measurements. Science of the Total Environment, 2010, 408, 1707-1718.	3.9	66
105	Aerosol concentrations observed at Mt. Haruna, Japan, in relation to long-range transport of Asian mineral dust aerosols. Atmospheric Environment, 2010, 44, 4638-4644.	1.9	25
106	Development of a dual-wavelength high-spectral-resolution lidar. , 2010, , .		8
107	Characterization of ice cloud properties obtained by shipborne radar/lidar over the tropical western Pacific Ocean for evaluation of an atmospheric general circulation model. Journal of Geophysical Research, 2010, 115, .	3.3	6
108	Structure of dust and air pollutant outflow over East Asia in the spring. Geophysical Research Letters, 2010, 37, .	1.5	37

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109	Aerosol Observation with Raman LIDAR in Beijing, China. Journal of the Optical Society of Korea, 2010, 14, 215-220.	0.6	10
110	Vertical distribution of water-soluble, sea salt, and dust aerosols in the planetary boundary layer estimated from two-wavelength backscatter and one-wavelength polarization lidar measurements in Guangzhou and Beijing, China. Atmospheric Research, 2010, 96, 602-611.	1.8	18
111	Possibilities of the multichannel lidar spectrometer technique for investigation of the atmospheric aerosols and pollutions. , 2010, , .		1
112	Spectral Dependency of Aerosol Light-Absorption over the East China Sea Region. Scientific Online Letters on the Atmosphere, 2010, 6, 1-4.	0.6	29
113	Cirrus Cloud Radiative Forcing Derived from Synergetic Use of MODIS Analyses and Ground-Based Observations. Scientific Online Letters on the Atmosphere, 2010, 6, 25-28.	0.6	7
114	Optical Characteristics of Forest-Fire Smoke Observed with Two-Wavelength Mie-Scattering Lidars and a High-Spectral-Resolution Lidar over Japan. Scientific Online Letters on the Atmosphere, 2010, 6, 93-96.	0.6	15
115	Dust Emission Estimated with an Assimilated Dust Transport Model Using Lidar Network Data and Vegetation Growth in the Gobi Desert in Mongolia. Scientific Online Letters on the Atmosphere, 2010, 6, 125-128.	0.6	19
116	Continuous Observations of Aerosol Profiles with a Two-Wavelength Mie-Scattering Lidar in Guangzhou in PRD2006. Journal of Applied Meteorology and Climatology, 2009, 48, 1822-1830.	0.6	20
117	Possible change in Asian dust source suggested by atmospheric anthropogenic radionuclides during the 2000s. Atmospheric Environment, 2009, 43, 2971-2980.	1.9	47
118	Asian dust transported one full circuit around the globe. Nature Geoscience, 2009, 2, 557-560.	5.4	689
119	Optical properties of atmospheric aerosols obtained by in situ and remote measurements during 2006 Campaign of Air Quality Research in Beijing (CAREBeijing2006). Journal of Geophysical Research, 2009, 114, .	3.3	91
120	Column-averaged volume mixing ratio of CO ₂ measured with ground-based Fourier transform spectrometer at Tsukuba. Journal of Geophysical Research, 2009, 114, .	3.3	39
121	Asian dust outflow in the PBL and free atmosphere retrieved by NASA CALIPSO and an assimilated dust transport model. Atmospheric Chemistry and Physics, 2009, 9, 1227-1239.	1.9	56
122	Trans-pacific dust transport: integrated analysis of NASA/CALIPSO and a global aerosol transport model. Atmospheric Chemistry and Physics, 2009, 9, 3137-3145.	1.9	112
123	Dust events in Beijing, China (2004-2006): comparison of ground-based measurements with columnar integrated observations. Atmospheric Chemistry and Physics, 2009, 9, 6915-6932.	1.9	40
124	An elevated large-scale dust veil from the Taklimakan Desert: Intercontinental transport and three-dimensional structure as captured by CALIPSO and regional and global models. Atmospheric Chemistry and Physics, 2009, 9, 8545-8558.	1.9	95
125	Internal Mixing of Pollutants for Submicron Particles Observed during Springtime in Japan. Asian Journal of Atmospheric Environment, 2009, 3, 27-41.	0.4	2
126	Algorithm to Retrieve Aerosol Optical Properties From High-Spectral-Resolution Lidar and Polarization Mie-Scattering Lidar Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 4094-4103.	2.7	38

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127	Influences of relative humidity and particle chemical composition on aerosol scattering properties during the 2006 PRD campaign. <i>Atmospheric Environment</i> , 2008, 42, 1525-1536.	1.9	168
128	Transport and transformation of total reactive nitrogen over the East China Sea. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	37
129	Aerosol retrieval from two-wavelength backscatter and one-wavelength polarization lidar measurement taken during the MRO1K02 cruise of the R/V <i>Mirai</i> and evaluation of a global aerosol transport model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	23
130	Characteristics of aerosol optical properties in pollution and Asian dust episodes over Beijing, China. <i>Applied Optics</i> , 2008, 47, 4945.	2.1	80
131	Vertical cloud properties in the tropical western Pacific Ocean: Validation of the CCSR/NIES/FRCGC GCM by shipborne radar and lidar. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	39
132	Lidar Network for Monitoring Asian Dust and Air Pollution Aerosols. , 2008, , .		8
133	Lidar network observations of tropospheric aerosols. , 2008, , .		54
134	A model tool for assessing real-time mixing of mineral and anthropogenic pollutants in East Asia: a case study of April 2005. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 3603-3622.	1.9	10
135	Adjoint inversion modeling of Asian dust emission using lidar observations. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 2869-2884.	1.9	157
136	Airborne dust distributions over the Tibetan Plateau and surrounding areas derived from the first year of CALIPSO lidar observations. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5045-5060.	1.9	256
137	Relationships between submicrometer particulate air pollution and air mass history in Beijing, China, 2004-2006. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 6155-6168.	1.9	114
138	Ground-Based Mie-Scattering Lidar Measurements of Aerosol Extinction Profiles during ABC-EAREX 2005: Comparisons of Instruments and Inversion Algorithms. <i>Journal of the Meteorological Society of Japan</i> , 2008, 86, 377-396.	0.7	15
139	MODIS AOT Based Inverse Modeling for Asian Dust. <i>Scientific Online Letters on the Atmosphere</i> , 2008, 4, 89-92.	0.6	4
140	Characterization of dust aerosols with dual wavelengths (532 nm/1064 nm) polarization lidar. , 2007, , .		0
141	Lidar method for determination of quartz concentration in the tropospheric mineral aerosols. , 2007, , .		0
142	Stratospheric ozone layer observations over tsukuba, Japan by NIES ozone DIAL.. , 2007, , .		0
143	Characteristics of aerosol and cloud particle size distributions in the tropical tropopause layer measured with optical particle counter and lidar. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 3507-3518.	1.9	19
144	Long-range transport of Asian dust and air pollutants to Taiwan: observed evidence and model simulation. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 423-434.	1.9	96

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145	Lidar Methods for Studying Asian Dust Phenomena. , 2007, , .		0
146	An algorithm that retrieves aerosol properties from dual-wavelength polarized lidar measurements. Journal of Geophysical Research, 2007, 112, .	3.3	41
147	Vertical cloud structure observed from shipborne radar and lidar: Midlatitude case study during the MR01/K02 cruise of the research vessel Mirai. Journal of Geophysical Research, 2007, 112, .	3.3	47
148	Vertical distribution and optical properties of aerosols observed over Japan during the Atmospheric Brown Clouds“East Asia Regional Experiment 2005. Journal of Geophysical Research, 2007, 112, .	3.3	53
149	Aerosol radiative characteristics at Gosan, Korea, during the Atmospheric Brown Cloud East Asian Regional Experiment 2005. Journal of Geophysical Research, 2007, 112, .	3.3	34
150	Overview of the Atmospheric Brown Cloud East Asian Regional Experiment 2005 and a study of the aerosol direct radiative forcing in east Asia. Journal of Geophysical Research, 2007, 112, .	3.3	263
151	Variations of the increasing trend of tropospheric NO2 over central east China during the past decade. Atmospheric Environment, 2007, 41, 4865-4876.	1.9	89
152	Observations of cloud properties using the millimeter-wave FM-CW radar of Chiba Univ.. , 2006, , .		0
153	Scavenging of pollutant acid substances by Asian mineral dust particles. Geophysical Research Letters, 2006, 33, .	1.5	24
154	Algorithm improvement and validation of National Institute for Environmental Studies ozone differential absorption lidar at the Tsukuba Network for Detection of Stratospheric Change complementary station. Applied Optics, 2006, 45, 3561.	2.1	12
155	Characteristics of dust aerosols inferred from lidar depolarization measurements at two wavelengths. Applied Optics, 2006, 45, 7468.	2.1	122
156	Feasibility study of microwave modulation DIAL system for global CO 2 monitoring. , 2006, , .		0
157	Melting Layer Cloud Observed during R/V Mirai Cruise MR01-K05. Journals of the Atmospheric Sciences, 2006, 63, 3020-3032.	0.6	22
158	Volcanic Aerosol Layer Observed by Shipboard Lidar over the Tropical Western Pacific. Scientific Online Letters on the Atmosphere, 2006, 2, 1-4.	0.6	11
159	Yellow Sand Dust Event on 13 April 2003 over Western Kyushu, Japan. Scientific Online Letters on the Atmosphere, 2006, 2, 100-103.	0.6	3
160	<title>Observations of Asian dust and air-pollution aerosols using a network of ground-based Mie-scattering lidars (Invited Paper)</title>. , 2005, , .		1
161	Observations of the seasonal variations of the tropospheric aerosols optical properties by high-spectral-resolution lidar over Tsukuba, Japan. , 2005, , .		3
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