

Jhoon Kim

List of Publications by Year in descending order

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198
papers

5,187
citations

76326

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253
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253
docs citations

253
times ranked

4548
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics of the Spectral Response Function of Geostationary Environment Monitoring Spectrometer Analyzed by Ground and In-Orbit Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	3
2	Inferring iron-oxide species content in atmospheric mineral dust from DSCOVR EPIC observations. Atmospheric Chemistry and Physics, 2022, 22, 1395-1423.	4.9	13
3	Continuous mapping of fine particulate matter (PM _{2.5}) air quality in East Asia at daily 6°–6°km ² resolution by application of a random forest algorithm to 2011–2019 GOCI geostationary satellite data. Atmospheric Measurement Techniques, 2022, 15, 1075-1091.	3.1	5
4	Geostationary satellite-derived ground-level particulate matter concentrations using real-time machine learning in Northeast Asia. Environmental Pollution, 2022, 306, 119425.	7.5	5
5	Cloud Impacts on Korea Shortwave Radiation Budget: Estimation from a Deterministic Model with Surface Measurements. Asia-Pacific Journal of Atmospheric Sciences, 2021, 57, 321-330.	2.3	1
6	Role of emissions and meteorology in the recent PM _{2.5} changes in China and South Korea from 2015 to 2018. Environmental Pollution, 2021, 270, 116233.	7.5	33
7	Assessment of long-range transboundary aerosols in Seoul, South Korea from Geostationary Ocean Color Imager (GOCI) and ground-based observations. Environmental Pollution, 2021, 269, 115924.	7.5	12
8	Investigation of the relationship between the fine mode fraction and Ångström exponent: Cases in Korea. Atmospheric Research, 2021, 248, 105217.	4.1	4
9	Assessment of Aerosol optical depth under background and polluted conditions using AERONET and VIIRS datasets. Atmospheric Environment, 2021, 245, 117994.	4.1	5
10	First TROPOMI Retrieval of Aerosol Effective Height Using O ₂ Absorption Band at 477 nm and Aerosol Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9873-9886.	6.3	2
11	A Fast Retrieval of Cloud Parameters Using a Triplet of Wavelengths of Oxygen Dimer Band around 477 nm. Remote Sensing, 2021, 13, 152.	4.0	4
12	The Korea–United States Air Quality (KORUS-AQ) field study. Elementa, 2021, 9, 1-27.	3.2	82
13	Potential role of urban forest in removing PM _{2.5} : A case study in Seoul by deep learning with satellite data. Urban Climate, 2021, 36, 100795.	5.7	20
14	Direct radiative forcing of biomass burning aerosols from the extensive Australian wildfires in 2019–2020. Environmental Research Letters, 2021, 16, 044041.	5.2	21
15	Effect of solar zenith angle on satellite cloud retrievals based on O ₂ –O ₂ absorption band. International Journal of Remote Sensing, 2021, 42, 4224-4240.	2.9	3
16	Quantifying the Impact of Synoptic Weather Systems on High PM _{2.5} Episodes in the Seoul Metropolitan Area, Korea. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034085.	3.3	12
17	Integration of GOCI and AHI Yonsei aerosol optical depth products during the 2016 KORUS-AQ and 2018 EMERG campaigns. Atmospheric Measurement Techniques, 2021, 14, 4575-4592.	3.1	10
18	Modeling Asian Dust Storms Using WRF–Chem During the DRAGON–Asia Field Campaign in April 2012. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034793.	3.3	13

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19	Aerosol data assimilation and forecast using Geostationary Ocean Color Imager aerosol optical depth and in-situ observations during the KORUS-AQ observing period. <i>GIScience and Remote Sensing</i> , 2021, 58, 1175-1194.	5.9	11
20	Relating geostationary satellite measurements of aerosol optical depth (AOD) over East Asia to fine particulate matter (PM _{2.5}): insights from the KORUS-AQ aircraft campaign and GEOS-Chem model simulations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16775-16791.	4.9	18
21	Comparison of PM _{2.5} in Seoul, Korea Estimated from the Various Ground-Based and Satellite AOD. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10755.	2.5	11
22	New Era of Air Quality Monitoring from Space: Geostationary Environment Monitoring Spectrometer (GEMS). <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1-E22.	3.3	165
23	Satellite-based estimation of hourly PM _{2.5} levels during heavy winter pollution episodes in the Yangtze River Delta, China. <i>Chemosphere</i> , 2020, 239, 124678.	8.2	28
24	Spectral Calibration Algorithm for the Geostationary Environment Monitoring Spectrometer (GEMS). <i>Remote Sensing</i> , 2020, 12, 2846.	4.0	10
25	Synergistic Use of Hyperspectral UV-Visible OMI and Broadband Meteorological Imager MODIS Data for a Merged Aerosol Product. <i>Remote Sensing</i> , 2020, 12, 3987.	4.0	9
26	Ground-based retrievals of aerosol column absorption in the UV spectral region and their implications for GEMS measurements. <i>Remote Sensing of Environment</i> , 2020, 245, 111759.	11.0	7
27	Development of Korean Air Quality Prediction System version 1 (KAQPS v1) with focuses on practical issues. <i>Geoscientific Model Development</i> , 2020, 13, 1055-1073.	3.6	16
28	High-resolution mapping of SO ₂ using airborne observations from the GeoTASO instrument during the KORUS-AQ field study: PCA-based vertical column retrievals. <i>Remote Sensing of Environment</i> , 2020, 241, 111725.	11.0	10
29	Refractive Index for Asian Dust in the Ultraviolet-Visible Region Determined From Compositional Analysis and Validated With OMI Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD030629.	3.3	3
30	Understanding and improving model representation of aerosol optical properties for a Chinese haze event measured during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6455-6478.	4.9	18
31	Editorial: special issue on "air quality monitoring, assessment, & forecasting using GIScience and remote sensing". <i>GIScience and Remote Sensing</i> , 2020, 57, 157-158.	5.9	1
32	Estimation of spatially continuous daytime particulate matter concentrations under all sky conditions through the synergistic use of satellite-based AOD and numerical models. <i>Science of the Total Environment</i> , 2020, 713, 136516.	8.0	39
33	Influence of cloud, fog, and high relative humidity during pollution transport events in South Korea: Aerosol properties and PM _{2.5} variability. <i>Atmospheric Environment</i> , 2020, 232, 117530.	4.1	37
34	The implication of the air quality pattern in South Korea after the COVID-19 outbreak. <i>Scientific Reports</i> , 2020, 10, 22462.	3.3	43
35	An overview of and issues with sky radiometer technology and SKYNET. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4195-4218.	3.1	65
36	Southern Hemisphere mid- and high-latitudinal AOD, CO, NO ₂ , and HCHO: spatiotemporal patterns revealed by satellite observations. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	3.0	8

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37	The Impact of the Direct Effect of Aerosols on Meteorology and Air Quality Using Aerosol Optical Depth Assimilation During the KORUS-AQ Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8303-8319.	3.3	49
38	Description of a formaldehyde retrieval algorithm for the Geostationary Environment Monitoring Spectrometer (GEMS). <i>Atmospheric Measurement Techniques</i> , 2019, 12, 3551-3571.	3.1	16
39	Empirical evidence of a positive climate forcing of aerosols at elevated albedo. <i>Atmospheric Research</i> , 2019, 229, 269-279.	4.1	14
40	Cross-evaluation of GEMS tropospheric ozone retrieval performance using OMI data and the use of an ozonesonde dataset over East Asia for validation. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5201-5215.	3.1	12
41	Validation, comparison, and integration of GOCI, AHI, MODIS, MISR, and VIIRS aerosol optical depth over East Asia during the 2016 KORUS-AQ campaign. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 4619-4641.	3.1	71
42	Atmospheric Transmission of Ultraviolet and Total Solar Radiation by Clouds, Aerosols, and Ozone in Seoul, Korea: a Comparison of Semi-Empirical Model Predictions with Observations. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2019, 55, 165-175.	2.3	7
43	Broadband dependence of atmospheric transmissions in the UV and total solar radiation. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2019, 71, 1503-1513.	1.6	3
44	Effects of spatiotemporal O ₄ column densities and temperature-dependent O ₄ absorption cross-section on an aerosol effective height retrieval algorithm using the O ₄ air mass factor from the ozone monitoring instrument. <i>Remote Sensing of Environment</i> , 2019, 229, 223-233.	11.0	6
45	Primary and secondary sources of ambient formaldehyde in the Yangtze River Delta based on Ozone Mapping and Profiler Suite (OMPS) observations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6717-6736.	4.9	60
46	Estimation of ground-level particulate matter concentrations through the synergistic use of satellite observations and process-based models over South Korea. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1097-1113.	4.9	69
47	Analysis of long-range transboundary transport (LRTT) effect on Korean aerosol pollution during the KORUS-AQ campaign. <i>Atmospheric Environment</i> , 2019, 204, 53-67.	4.1	57
48	Retrieval of NO ₂ Column Amounts from Ground-Based Hyperspectral Imaging Sensor Measurements. <i>Remote Sensing</i> , 2019, 11, 3005.	4.0	3
49	Underestimation of column NO _x amounts from the OMI satellite compared to diurnally varying ground-based retrievals from multiple PANDORA spectrometer instruments. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5593-5612.	3.1	39
50	Aerosol model evaluation using two geostationary satellites over East Asia in May 2016. <i>Atmospheric Research</i> , 2019, 217, 93-113.	4.1	14
51	Introducing the geostationary environment monitoring spectrometer (Erratum). <i>Journal of Applied Remote Sensing</i> , 2019, 13, 1.	1.3	9
52	TEMPO Green Paper: Chemistry, physics, and meteorology experiments with the Tropospheric Emissions: monitoring of pollution instrument. , 2019, , .		14
53	Assimilating AOD retrievals from GOCI and VIIRS to forecast surface PM _{2.5} episodes over Eastern China. <i>Atmospheric Environment</i> , 2018, 179, 288-304.	4.1	47
54	Observations of the Interaction and Transport of Fine Mode Aerosols With Cloud and/or Fog in Northeast Asia From Aerosol Robotic Network and Satellite Remote Sensing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5560-5587.	3.3	49

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55	An overview of mesoscale aerosol processes, comparisons, and validation studies from DRAGON networks. Atmospheric Chemistry and Physics, 2018, 18, 655-671.	4.9	72
56	Characteristics of cloud occurrence using ceilometer measurements and its relationship to precipitation over Seoul. Atmospheric Research, 2018, 201, 46-57.	4.1	11
57	Optimal Estimation-Based Algorithm to Retrieve Aerosol Optical Properties for GEMS Measurements over Asia. Remote Sensing, 2018, 10, 162.	4.0	30
58	Diurnal variation of aerosol optical depth and PM _{2.5} in South Korea: a synthesis from AERONET, satellite (GOCI), KORUS-AQ observation, and the WRF-Chem model. Atmospheric Chemistry and Physics, 2018, 18, 15125-15144.	4.9	55
59	Monitoring Atmospheric Composition by Geo-Kompsat-2: Goci-2, Ami and Gems. , 2018, , .		1
60	Retrieval Accuracy of HCHO Vertical Column Density from Ground-Based Direct-Sun Measurement and First HCHO Column Measurement Using Pandora. Remote Sensing, 2018, 10, 173.	4.0	4
61	Total ozone characteristics associated with regional meteorology in West Antarctica. Atmospheric Environment, 2018, 195, 78-88.	4.1	3
62	NO ₂ and HCHO measurements in Korea from 2012 to 2016 from Pandora spectrometer instruments compared with OMI retrievals and with aircraft measurements during the KORUS-AQ campaign. Atmospheric Measurement Techniques, 2018, 11, 4583-4603.	3.1	39
63	GOCI Yonsei aerosol retrieval version 2 products: an improved algorithm and error analysis with uncertainty estimation from 5-year validation over East Asia. Atmospheric Measurement Techniques, 2018, 11, 385-408.	3.1	89
64	AHI/Himawari-8 Yonsei Aerosol Retrieval (YAER): Algorithm, Validation and Merged Products. Remote Sensing, 2018, 10, 699.	4.0	58
65	Impact of high-resolution a priori profiles on satellite-based formaldehyde retrievals. Atmospheric Chemistry and Physics, 2018, 18, 7639-7655.	4.9	2
66	Comparisons of spectral aerosol single scattering albedo in Seoul, South Korea. Atmospheric Measurement Techniques, 2018, 11, 2295-2311.	3.1	33
67	Introducing the geostationary environment monitoring spectrometer. Journal of Applied Remote Sensing, 2018, 12, 1.	1.3	15
68	Regional Characteristics of NO ₂ Column Densities from Pandora Observations during the MAPS-Seoul Campaign. Aerosol and Air Quality Research, 2018, 18, 2207-2219.	2.1	11
69	Characteristics of Classified Aerosol Types in South Korea during the MAPS-Seoul Campaign. Aerosol and Air Quality Research, 2018, 18, 2195-2206.	2.1	14
70	The Variation in Aerosol Optical Depth over the Polar Stations of Korea. Aerosol and Air Quality Research, 2018, 18, 3202-3210.	2.1	2
71	Intercomparing the Aerosol Optical Depth Using the Geostationary Satellite Sensors (AHI, GOCI and Tj ETQq1 1 0.784314 rgBT /Overlo 39, 119-130.	0.2	1
72	Hyperspectral remote sensing of air pollution from geosynchronous orbit with GEMS and TEMPO. , 2018, , .		2

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73	Effect of temperature-dependent cross sections on O4 slant column density estimation by a space-borne UV-visible hyperspectral sensor. <i>Atmospheric Environment</i> , 2017, 152, 98-110.	4.1	4
74	Correlation analysis between regional carbon monoxide and black carbon from satellite measurements. <i>Atmospheric Research</i> , 2017, 196, 29-39.	4.1	7
75	Assessing the effect of long-range pollutant transportation on air quality in Seoul using the conditional potential source contribution function method. <i>Atmospheric Environment</i> , 2017, 150, 33-44.	4.1	44
76	Validation of Brewer and Pandora measurements using OMI total ozone. <i>Atmospheric Environment</i> , 2017, 160, 165-175.	4.1	6
77	Monitoring Aerosol Properties in East Asia from Geostationary Orbit: GOCI, MI and GEMS. , 2017, , 323-333.		9
78	Aerosol pollution and its potential impacts on outdoor human thermal sensation: East Asian perspectives. <i>Environmental Research</i> , 2017, 158, 753-758.	7.5	10
79	Tropospheric emissions: Monitoring of pollution (TEMPO). <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 186, 17-39.	2.3	239
80	Comparison of SEVIRI-Derived Cloud Occurrence Frequency and Cloud-Top Height with A-Train Data. <i>Remote Sensing</i> , 2017, 9, 24.	4.0	9
81	Aerosol Property Retrieval Algorithm over Northeast Asia from TANSO-CAI Measurements Onboard GOSAT. <i>Remote Sensing</i> , 2017, 9, 687.	4.0	2
82	The Effects of Aerosol on the Retrieval Accuracy of NO2 Slant Column Density. <i>Remote Sensing</i> , 2017, 9, 867.	4.0	7
83	Investigation of Simultaneous Effects of Aerosol Properties and Aerosol Peak Height on the Air Mass Factors for Space-Borne NO2 Retrievals. <i>Remote Sensing</i> , 2017, 9, 208.	4.0	21
84	Intercomparison of total column ozone data from the Pandora spectrophotometer with Dobson, Brewer, and OMI measurements over Seoul, Korea. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 3661-3676.	3.1	10
85	Detection of Absorbing Aerosol Using Single Near-UV Radiance Measurements from a Cloud and Aerosol Imager. <i>Remote Sensing</i> , 2017, 9, 378.	4.0	3
86	Assessing the Altitudinal Potential Source Contribution Function of Aerosol Optical Depth in the West Coast of Korean Peninsula during the DRAGON-KORUS-AQ Campaign. <i>Journal of Korean Society for Atmospheric Environment</i> , 2017, 33, 19-30.	1.1	5
87	GOCI Yonsei Aerosol Retrieval (YAER) algorithm and validation during the DRAGON-NE Asia 2012 campaign. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 1377-1398.	3.1	86
88	GIST-PM-Asia v1: development of a numerical system to improve particulate matter forecasts in South Korea using geostationary satellite-retrieved aerosol optical data over Northeast Asia. <i>Geoscientific Model Development</i> , 2016, 9, 17-39.	3.6	31
89	Impact of Aerosol Property on the Accuracy of a CO2 Retrieval Algorithm from Satellite Remote Sensing. <i>Remote Sensing</i> , 2016, 8, 322.	4.0	22
90	Computationally efficient air quality forecasting tool: implementation of STOPS v1.5 model into CMAQ v5.0.2 for a prediction of Asian dust. <i>Geoscientific Model Development</i> , 2016, 9, 3671-3684.	3.6	12

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91	Spatio-Temporal Characteristics in the Clearness Index Derived from Global Solar Radiation Observations in Korea. <i>Atmosphere</i> , 2016, 7, 55.	2.3	12
92	Retrieving XCO ₂ from GOSAT FTS over East Asia Using Simultaneous Aerosol Information from CAL. <i>Remote Sensing</i> , 2016, 8, 994.	4.0	8
93	Springtime trans-Pacific transport of Asian pollutants characterized by the Western Pacific (WP) pattern. <i>Atmospheric Environment</i> , 2016, 147, 166-177.	4.1	6
94	Utilization of τ_{440} slant column density to derive aerosol layer height from a space-borne UV-visible hyperspectral sensor: sensitivity and case study. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1987-2006.	4.9	20
95	Evaluation of VIIRS, GOCI, and MODIS Collection 6 AOD retrievals against ground sunphotometer observations over East Asia. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1255-1269.	4.9	110
96	An optimal-estimation-based aerosol retrieval algorithm using OMI near-UV observations. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 177-193.	4.9	35
97	Aerosol optical properties derived from the DRAGON-NE Asia campaign, and implications for a single-channel algorithm to retrieve aerosol optical depth in spring from Meteorological Imager (MI) on-board the Communication, Ocean, and Meteorological Satellite (COMS). <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1789-1808.	4.9	29
98	Monitoring atmospheric composition by GEO-KOMPSAT-1 and 2: GOCI, MI and GEMS. , 2016, , .		1
99	Trend estimates of AERONET-observed and model-simulated AOTs between 1993 and 2013. <i>Atmospheric Environment</i> , 2016, 125, 33-47.	4.1	27
100	Wavelength dependence of Ångström exponent and single scattering albedo observed by skyradiometer in Seoul, Korea. <i>Atmospheric Research</i> , 2016, 181, 12-19.	4.1	13
101	Estimation of surface-level PM concentration from satellite observation taking into account the aerosol vertical profiles and hygroscopicity. <i>Chemosphere</i> , 2016, 143, 32-40.	8.2	10
102	Ozone production efficiency of a ship-plume: ITCT 2K2 case study. <i>Chemosphere</i> , 2016, 143, 17-23.	8.2	3
103	Retrieval and Validation of Aerosol Optical Properties Using Japanese Next Generation Meteorological Satellite, Himawari-8. <i>Korean Journal of Remote Sensing</i> , 2016, 32, 681-691.	0.4	7
104	Estimation of PM ₁₀ concentrations over Seoul using multiple empirical models with AERONET and MODIS data collected during the DRAGON-Asia campaign. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 319-334.	4.9	52
105	The effect of dry and wet deposition of condensable vapors on secondary organic aerosols concentrations over the continental US. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1-18.	4.9	132
106	Estimating ground-level PM _{2.5} in eastern China using aerosol optical depth determined from the GOCI satellite instrument. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13133-13144.	4.9	61
107	The effects of ENSO under negative AO phase on spring dust activity over northern China: an observational investigation. <i>International Journal of Climatology</i> , 2015, 35, 935-947.	3.5	21
108	Quiescence of Asian dust events in South Korea and Japan during 2012 spring: Dust outbreaks and transports. <i>Atmospheric Environment</i> , 2015, 114, 92-101.	4.1	30

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109	A sensitivity study for the calibration of hyperspectral spectrometer on board the geostationary multipurpose satellite of Korea. Proceedings of SPIE, 2015, , .	0.8	0
110	A multi-scale hybrid neural network retrieval model for dust storm detection, a study in Asia. Atmospheric Research, 2015, 158-159, 89-106.	4.1	27
111	Influence of cloud fraction and snow cover to the variation of surface UV radiation at King Sejong station, Antarctica. Atmospheric Research, 2015, 164-165, 99-109.	4.1	13
112	Dependence of Total and Carbonaceous Aerosol Concentrations on Transport Pathways in Seoul, Korea. Atmosphere, 2015, 25, 141-148.	0.3	1
113	Comparison of Atmospheric Carbon Dioxide Concentration Trend and Accuracy from GOSAT and AIRS data over the Korean Peninsula. Korean Journal of Remote Sensing, 2015, 31, 549-560.	0.4	0
114	UV Sensitivity to Changes in Ozone, Aerosols, and Clouds in Seoul, South Korea. Journal of Applied Meteorology and Climatology, 2014, 53, 310-322.	1.5	8
115	Investigation of aerosol optical properties for remote sensing through DRAGON (distributed regional) Tj ETQq1 1 0.784314 rgBT /Over		
116	Improvement of aerosol optical depth retrieval over Hong Kong from a geostationary meteorological satellite using critical reflectance with background optical depth correction. Remote Sensing of Environment, 2014, 142, 176-187.	11.0	43
117	Combined dust detection algorithm by using MODIS infrared channels over East Asia. Remote Sensing of Environment, 2014, 141, 24-39.	11.0	38
118	Simultaneous retrieval of aerosol properties and clear-sky direct radiative effect over the global ocean from MODIS. Atmospheric Environment, 2014, 92, 309-317.	4.1	13
119	First comparison of OMI's DOAS total ozone using ground-based observations at a megacity site in East Asia: Causes of discrepancy and improvement in OMI's DOAS total ozone during summer. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10058-10067.	3.3	3
120	New approach to monitor transboundary particulate pollution over Northeast Asia. Atmospheric Chemistry and Physics, 2014, 14, 659-674.	4.9	66
121	Assimilation of next generation geostationary aerosol optical depth retrievals to improve air quality simulations. Geophysical Research Letters, 2014, 41, 9188-9196.	4.0	85
122	Estimation of Surface Reflectance by Utilizing Single Visible Reflectance from COMS Meteorological Imager - Analysis of BAOD correction effect -. Korean Journal of Remote Sensing, 2014, 30, 627-639.	0.4	4
123	Potential impacts of northeastern Eurasian snow cover on generation of dust storms in northwestern China during spring. Climate Dynamics, 2013, 41, 721-733.	3.8	10
124	Uncertainty in biogenic isoprene emissions and its impacts on tropospheric chemistry in East Asia. Science of the Total Environment, 2013, 463-464, 754-771.	8.0	21
125	Effects of ozone and aerosol on surface UV radiation variability. Journal of Photochemistry and Photobiology B: Biology, 2013, 119, 46-51.	3.8	31
126	Determination of the inter-annual and spatial characteristics of the contribution of long-range transport to SO2 levels in Seoul between 2001 and 2010 based on conditional potential source contribution function (CPSCF). Atmospheric Environment, 2013, 70, 307-317.	4.1	19

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127	Evaluation of ozone profile and tropospheric ozone retrievals from GEMS and OMI spectra. Atmospheric Measurement Techniques, 2013, 6, 239-249.	3.1	36
128	Inter-comparison of Total Ozone from the Ground-based and Satellite Measurements at Seoul. Atmosphere, 2013, 23, 123-130.	0.3	1
129	Current Status and Development of Modeling Techniques for Forecasting and Monitoring of Air Quality over East Asia. Journal of Korean Society for Atmospheric Environment, 2013, 29, 407-438.	1.1	7
130	Comparison of carbon dioxide volume mixing ratios measured by GOSAT TANSO-FTS and TCCON over two sites in East Asia. Korean Journal of Remote Sensing, 2013, 29, 657-662.	0.4	2
131	Inter-comparison of NO ₂ column densities measured by Pandora and OMI over Seoul, Korea. Korean Journal of Remote Sensing, 2013, 29, 663-670.	0.4	3
132	Observational Evidences of Double Cropping Impacts on the Climate in the Northern China Plains. Journal of Climate, 2012, 25, 4721-4728.	3.2	11
133	Improvement of aerosol optical depth retrieval from MODIS spectral reflectance over the global ocean using new aerosol models archived from AERONET inversion data and tri-axial ellipsoidal dust database. Atmospheric Chemistry and Physics, 2012, 12, 7087-7102.	4.9	51
134	The geostationary remote infrared pollution sounder (GRIPS). , 2012, , .		1
135	Sudden increase in the total ozone density due to secondary ozone peaks and its effect on total ozone trends over Korea. Atmospheric Environment, 2012, 47, 226-235.	4.1	15
136	Estimation of seasonal diurnal variations in primary and secondary organic carbon concentrations in the urban atmosphere: EC tracer and multiple regression approaches. Atmospheric Environment, 2012, 56, 101-108.	4.1	24
137	Estimation of the contributions of long range transported aerosol in East Asia to carbonaceous aerosol and PM concentrations in Seoul, Korea using highly time resolved measurements: a PSCF model approach. Journal of Environmental Monitoring, 2011, 13, 1905.	2.1	84
138	A comparison study between model-predicted and OMI-retrieved tropospheric NO ₂ columns over the Korean peninsula. Atmospheric Environment, 2011, 45, 2962-2971.	4.1	41
139	Influence of Arctic Oscillation on dust activity over northeast Asia. Atmospheric Environment, 2011, 45, 326-337.	4.1	67
140	Remote sensing of tropospheric aerosol using UV MAX-DOAS during hazy conditions in winter: Utilization of O ₄ Absorption bands at wavelength intervals of 338-368 and 367-393Ånm. Atmospheric Environment, 2011, 45, 5760-5769.	4.1	13
141	Combined measurements of a UV mini MAX-DOAS system and a TX for retrieval of ambient trace gas mixing ratio: Comparisons with combined RTM and MAX-DOAS methods. Atmospheric Environment, 2011, 45, 7218-7226.	4.1	5
142	Competitive Adsorption of CO ₂ and H ₂ O Molecules on the BaO (100) Surface: A First-Principle Study. Bulletin of the Korean Chemical Society, 2011, 32, 988-992.	1.9	7
143	Comparison of Model-simulated Atmospheric Carbon Dioxide with GOSAT Retrievals. Asian Journal of Atmospheric Environment, 2011, 5, 263-277.	1.1	13
144	Source identification and budget analysis on elevated levels of formaldehyde within the ship plumes: a ship-plume photochemical/dynamic model analysis. Atmospheric Chemistry and Physics, 2010, 10, 11969-11985.	4.9	16

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145	Spectral optical properties of long-range transport Asian dust and pollution aerosols over Northeast Asia in 2007 and 2008. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5391-5408.	4.9	45
146	Algorithm for retrieval of aerosol optical properties over the ocean from the Geostationary Ocean Color Imager. <i>Remote Sensing of Environment</i> , 2010, 114, 1077-1088.	11.0	103
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