

# Rokjin J Park

## List of Publications by Year in descending order

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138  
papers

10,380  
citations

44066

48  
h-index

39667

94  
g-index

172  
all docs

172  
docs citations

172  
times ranked

8038  
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural and transboundary pollution influences on sulfate-nitrate-ammonium aerosols in the United States: Implications for policy. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	791
2	A large organic aerosol source in the free troposphere missing from current models. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	576
3	Sources of carbonaceous aerosols over the United States and implications for natural visibility. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	468
4	Multimodel estimates of intercontinental source–receptor relationships for ozone pollution. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	430
5	The impact of transpacific transport of mineral dust in the United States. <i>Atmospheric Environment</i> , 2007, 41, 1251-1266.	4.1	426
6	Estimating ground-level PM <sub>2.5</sub> using aerosol optical depth determined from satellite remote sensing. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	396
7	Chemical cycling and deposition of atmospheric mercury: Global constraints from observations. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	351
8	Sulfate formation in sea-salt aerosols: Constraints from oxygen isotopes. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	311
9	Regional visibility statistics in the United States: Natural and transboundary pollution influences, and implications for the Regional Haze Rule. <i>Atmospheric Environment</i> , 2006, 40, 5405-5423.	4.1	223
10	Rethinking the global secondary organic aerosol (SOA) budget: stronger production, faster removal, shorter lifetime. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7917-7941.	4.9	216
11	Convective outflow of South Asian pollution: A global CTM simulation compared with EOS MLS observations. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	206
12	Transpacific transport of Asian anthropogenic aerosols and its impact on surface air quality in the United States. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	203
13	Ozone production in transpacific Asian pollution plumes and implications for ozone air quality in California. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	197
14	Air-sea exchange in the global mercury cycle. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	4.9	193
15	Validation of OMI tropospheric NO <sub>2</sub> observations during INTEX-B and application to constrain NO <sub>x</sub> emissions over the eastern United States and Mexico. <i>Atmospheric Environment</i> , 2008, 42, 4480-4497.	4.1	190
16	Modeling of gas and aerosol with WRF/Chem over Europe: Evaluation and sensitivity study. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	185
17	Transition metal–catalyzed oxidation of atmospheric sulfur: Global implications for the sulfur budget. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	176
18	Export efficiency of black carbon aerosol in continental outflow: Global implications. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	171

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19	Mapping annual mean ground-level PM <sub>2.5</sub> concentrations using Multiangle Imaging Spectroradiometer aerosol optical thickness over the contiguous United States. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	165
20	A global simulation of brown carbon: implications for photochemistry and direct radiative effect. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3413-3432.	4.9	165
21	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
22	North American pollution outflow and the trapping of convectively lifted pollution by upper-level anticyclone. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	156
23	Observations of reactive gaseous mercury in the free troposphere at the Mount Bachelor Observatory. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	153
24	Impacts of local vs. trans-boundary emissions from different sectors on PM <sub>2.5</sub> exposure in South Korea during the KORUS-AQ campaign. <i>Atmospheric Environment</i> , 2019, 203, 196-205.	4.1	131
25	Intercontinental Impacts of Ozone Pollution on Human Mortality. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6482-6487.	10.0	126
26	Fire and biofuel contributions to annual mean aerosol mass concentrations in the United States. <i>Atmospheric Environment</i> , 2007, 41, 7389-7400.	4.1	125
27	A contribution of brown carbon aerosol to the aerosol light absorption and its radiative forcing in East Asia. <i>Atmospheric Environment</i> , 2010, 44, 1414-1421.	4.1	118
28	Wildfires drive interannual variability of organic carbon aerosol in the western U.S. in summer. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	116
29	Recent increase of surface particulate matter concentrations in the Seoul Metropolitan Area, Korea. <i>Scientific Reports</i> , 2017, 7, 4710.	3.3	111
30	Impacts of enhanced biomass burning in the boreal forests in 1998 on tropospheric chemistry and the sensitivity of model results to the injection height of emissions. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	94
31	Surface ozone background in the United States: Canadian and Mexican pollution influences. <i>Atmospheric Environment</i> , 2009, 43, 1310-1319.	4.1	90
32	Winter monsoon variability and its impact on aerosol concentrations in East Asia. <i>Environmental Pollution</i> , 2017, 221, 285-292.	7.5	87
33	Global distribution of solid and aqueous sulfate aerosols: Effect of the hysteresis of particle phase transitions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	84
34	Resolving intercontinental pollution plumes in global models of atmospheric transport. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	82
35	The Korea–United States Air Quality (KORUS-AQ) field study. <i>Elementa</i> , 2021, 9, 1-27.	3.2	82
36	Effects of the meteorological variability on regional air quality in East Asia. <i>Atmospheric Environment</i> , 2013, 69, 46-55.	4.1	79

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37	Urban air quality modeling with full O <sub>3</sub> –NO <sub>x</sub> –VOC chemistry: Implications for O <sub>3</sub> and PM air quality in a street canyon. <i>Atmospheric Environment</i> , 2012, 47, 330-340.	4.1	77
38	A multi-model study of the hemispheric transport and deposition of oxidised nitrogen. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	76
39	The North American Mercury Model Intercomparison Study (NAMMIS): Study description and model-to-model comparisons. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	74
40	The role of mineral-dust aerosols in polar temperature amplification. <i>Nature Climate Change</i> , 2013, 3, 487-491.	18.8	70
41	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
42	Impacts of intercontinental transport of anthropogenic fine particulate matter on human mortality. <i>Air Quality, Atmosphere and Health</i> , 2014, 7, 369-379.	3.3	64
43	Meteorology influencing springtime air quality, pollution transport, and visibility in Korea. <i>Elementa</i> , 2019, 7, .	3.2	62
44	Source apportionment of PM <sub>10</sub> mass and particulate carbon in the Kathmandu Valley, Nepal. <i>Atmospheric Environment</i> , 2015, 123, 190-199.	4.1	59
45	The Impact of Aerosols on the Summer Rainfall Frequency in China. <i>Journal of Applied Meteorology and Climatology</i> , 2008, 47, 1802-1813.	1.5	58
46	Effects of chemical aging on global secondary organic aerosol using the volatility basis set approach. <i>Atmospheric Environment</i> , 2013, 81, 230-244.	4.1	58
47	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{PM} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:math} \rangle$ source attribution for Seoul in May from 2009 to 2013 using GEOS-Chem and its adjoint model. <i>Environmental Pollution</i> , 2017, 221, 377-384.	7.5	58
48	Model evidence for a significant source of secondary organic aerosol from isoprene. <i>Atmospheric Environment</i> , 2007, 41, 1267-1274.	4.1	57
49	Projections of excess mortality related to diurnal temperature range under climate change scenarios: a multi-country modelling study. <i>Lancet Planetary Health</i> , The, 2020, 4, e512-e521.	11.4	56
50	HTAP2 multi-model estimates of premature human mortality due to intercontinental transport of air pollution and emission sectors. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10497-10520.	4.9	54
51	Source contributions to carbonaceous aerosol concentrations in Korea. <i>Atmospheric Environment</i> , 2011, 45, 1116-1125.	4.1	52
52	An analysis of simulated wet deposition of mercury from the North American Mercury Model Intercomparison Study. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	51
53	Transport of NO <sub>x</sub> in East Asia identified by satellite and in situ measurements and Lagrangian particle dispersion model simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 2574-2596.	3.3	51
54	Impact of intercontinental pollution transport on North American ozone air pollution: an HTAP phase 2 multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 5721-5750.	4.9	51

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55	Observation-based estimates of the mass absorption cross-section of black and brown carbon and their contribution to aerosol light absorption in East Asia. <i>Atmospheric Environment</i> , 2019, 212, 65-74.	4.1	46
56	Impacts of different characterizations of large-scale background on simulated regional-scale ozone over the continental United States. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3839-3864.	4.9	45
57	Contributions of international sources to PM2.5 in South Korea. <i>Atmospheric Environment</i> , 2021, 261, 118542.	4.1	44
58	Investigation of factors controlling PM2.5 variability across the South Korean Peninsula during KORUS-AQ. <i>Elementa</i> , 2020, 8, .	3.2	44
59	Characteristics of flow and reactive pollutant dispersion in urban street canyons. <i>Atmospheric Environment</i> , 2015, 108, 20-31.	4.1	43
60	Future ozone and oxidants change under the RCP scenarios. <i>Atmospheric Environment</i> , 2015, 101, 103-115.	4.1	43
61	MICS-Asia II: Modeling gaseous pollutants and evaluating an advanced modeling system over East Asia. <i>Atmospheric Environment</i> , 2008, 42, 3571-3583.	4.1	42
62	Multi-model intercomparisons of air quality simulations for the KORUS-AQ campaign. <i>Elementa</i> , 2021, 9, .	3.2	41
63	Effects of Siberian forest fires on air quality in East Asia during May 2003 and its climate implication. <i>Atmospheric Environment</i> , 2008, 42, 8910-8922.	4.1	40
64	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
65	Tropospheric jet response to Antarctic ozone depletion: An update with Chemistry-Climate Model Initiative (CCMI) models. <i>Environmental Research Letters</i> , 2018, 13, 054024.	5.2	38
66	Evaluation of simulated O3 production efficiency during the KORUS-AQ campaign: Implications for anthropogenic NOx emissions in Korea. <i>Elementa</i> , 2019, 7, .	3.2	38
67	Air quality modeling in East Asia: present issues and future directions. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2014, 50, 105-120.	2.3	36
68	Projections of summertime ozone concentration over East Asia under multiple IPCC SRES emission scenarios. <i>Atmospheric Environment</i> , 2015, 106, 335-346.	4.1	35
69	Effects of sulfate aerosol forcing on East Asian summer monsoon for 1985–2010. <i>Geophysical Research Letters</i> , 2016, 43, 1364-1372.	4.0	32
70	An evaluation of ozone dry deposition simulations in East Asia. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 7929-7940.	4.9	31
71	OH reactivity in urban and suburban regions in Seoul, South Korea – an East Asian megacity in a rapid transition. <i>Faraday Discussions</i> , 2016, 189, 231-251.	3.2	31
72	Contrasting synoptic weather patterns between non-dust high particulate matter events and Asian dust events in Seoul, South Korea. <i>Atmospheric Environment</i> , 2019, 214, 116864.	4.1	30

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73	Estimates of ground-level aerosol mass concentrations using a chemical transport model with Moderate Resolution Imaging Spectroradiometer (MODIS) aerosol observations over East Asia. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	29
74	Effects of below-cloud scavenging on the regional aerosol budget in East Asia. <i>Atmospheric Environment</i> , 2012, 58, 14-22.	4.1	28
75	Validation of OMI HCHO data and its analysis over Asia. <i>Science of the Total Environment</i> , 2014, 490, 93-105.	8.0	28
76	Dissimilar effects of two El Niño types on PM <sub>2.5</sub> concentrations in East Asia. <i>Environmental Pollution</i> , 2018, 242, 1395-1403.	7.5	27
77	Weekend effect: Anthropogenic or natural?. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	26
78	Effects of building roof cooling on the flow and dispersion of reactive pollutants in an idealized urban street canyon. <i>Building and Environment</i> , 2016, 109, 175-189.	6.9	25
79	Changes in column aerosol optical depth and ground-level particulate matter concentration over East Asia. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 49-60.	3.3	25
80	Statistical predictability of wintertime PM <sub>2.5</sub> concentrations over East Asia using simple linear regression. <i>Science of the Total Environment</i> , 2021, 776, 146059.	8.0	25
81	Threshold of the volcanic forcing that leads the El Niño-like warming in the last millennium: results from the ERIK simulation. <i>Climate Dynamics</i> , 2016, 46, 3725-3736.	3.8	24
82	Impact of transboundary transport of carbonaceous aerosols on the regional air quality in the United States: A case study of the South American wildland fire of May 1998. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	23
83	Inverse modeling analysis of soil dust sources over East Asia. <i>Atmospheric Environment</i> , 2011, 45, 5903-5912.	4.1	23
84	Airborne formaldehyde and volatile organic compound measurements over the Daesan petrochemical complex on Korea's northwest coast during the Korea-United States Air Quality study. <i>Elementa</i> , 2020, 8, .	3.2	21
85	Wintertime aerosol optical and radiative properties in the Kathmandu Valley during the SusKat-ABC field campaign. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12617-12632.	4.9	19
86	Sensitivity of formaldehyde (HCHO) column measurements from a geostationary satellite to temporal variation of the air mass factor in East Asia. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 4673-4686.	4.9	18
87	The Controlling Factors of Photochemical Ozone Production in Seoul, South Korea. <i>Aerosol and Air Quality Research</i> , 2018, 18, 2253-2261.	2.1	18
88	Relating geostationary satellite measurements of aerosol optical depth (AOD) over East Asia to fine particulate matter (PM <sub>2.5</sub> ): 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
89	Changes in the variability of the North Pacific sea surface temperature caused by direct sulfate aerosol forcing in China in a coupled general circulation model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1261-1270.	3.3	17
90	Source identification and budget analysis on elevated levels of formaldehyde within the ship plumes: a ship-plume photochemical/dynamic model analysis. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11969-11985.	4.9	16

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91	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
92	Top-down estimates of anthropogenic VOC emissions in South Korea using formaldehyde vertical column densities from aircraft during the KORUS-AQ campaign. <i>Elementa</i> , 2021, 9, .	3.2	16
93	Possible Link Between Arctic Sea Ice and January PM10 Concentrations in South Korea. <i>Atmosphere</i> , 2019, 10, 619.	2.3	14
94	Comparative inverse analysis of satellite (MODIS) and ground (PM10) observations to estimate dust emissions in East Asia. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2013, 49, 3-17.	2.3	13
95	Aerosol versus greenhouse gas impacts on Southern Hemisphere general circulation changes. <i>Climate Dynamics</i> , 2019, 52, 4127-4142.	3.8	13
96	Computational fluid dynamics simulation of reactive fine particulate matter in a street canyon. <i>Atmospheric Environment</i> , 2019, 209, 54-66.	4.1	13
97	Global simulation of tropospheric ozone using the University of Maryland Chemical Transport Model (UMD-CTM): 2. Regional transport and chemistry over the central United States using a stretched grid. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	12
98	Global simulation of tropospheric ozone using the University of Maryland Chemical Transport Model (UMD-CTM): 1. Model description and evaluation. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	11
99	Impacts of aerosols on regional meteorology due to Siberian forest fires in May 2003. <i>Atmospheric Environment</i> , 2011, 45, 1407-1412.	4.1	11
100	A missing component of Arctic warming: black carbon from gas flaring. <i>Environmental Research Letters</i> , 2019, 14, 094011.	5.2	11
101	Effect of anthropogenic sulphate aerosol in China on the drought in the western-to-central US. <i>Scientific Reports</i> , 2015, 5, 14305.	3.3	10
102	Foraging trip duration of honeybee increases during a poor air quality episode and the increase persists thereafter. <i>Ecology and Evolution</i> , 2021, 11, 1492-1500.	1.9	10
103	A Study of the Effects of SST Deviations on Heavy Snowfall over the Yellow Sea. <i>Atmosphere</i> , 2013, 23, 161-169.	0.3	10
104	Evaluation of Secondary Organic Aerosol (SOA) Simulations for Seoul, Korea. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	10
105	Efficacy of dust aerosol forecasts for East Asia using the adjoint of GEOS-Chem with ground-based observations. <i>Environmental Pollution</i> , 2018, 234, 885-893.	7.5	9
106	Light-absorption enhancement of black carbon in the Asian outflow inferred from airborne SP2 and in-situ measurements during KORUS-AQ. <i>Science of the Total Environment</i> , 2021, 773, 145531.	8.0	9
107	Estimating bulk optical properties of aerosols over the western North Pacific by using MODIS and CERES measurements. <i>Atmospheric Environment</i> , 2009, 43, 5654-5660.	4.1	8
108	Impact of Meteorological Changes on Particulate Matter and Aerosol Optical Depth in Seoul during the Months of June over Recent Decades. <i>Atmosphere</i> , 2020, 11, 1282.	2.3	8

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109	An Inversion Framework for Optimizing Non-Methane VOC Emissions Using Remote Sensing and Airborne Observations in Northeast Asia During the KORUS-AQ Field Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	8
110	Contributions of Asian pollution and SST forcings on precipitation change in the North Pacific. <i>Atmospheric Research</i> , 2017, 192, 30-37.	4.1	7
111	A Global/Regional Integrated Model System—Chemistry Climate Model: 1. Simulation Characteristics. <i>Earth and Space Science</i> , 2019, 6, 2016-2030.	2.6	7
112	Effect of Sea Surface Temperature Errors on Snowfall in WRF: A Case Study of a Heavy Snowfall Event in Korea in December 2012. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2014, 25, 827.	0.6	7
113	Impact of biogenic emissions on early summer ozone and fine particulate matter exposure in the Seoul Metropolitan Area of Korea. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 1021-1035.	3.3	6
114	Contributions to OH reactivity from unexplored volatile organic compounds measured by PTR-ToF-MS—a case study in a suburban forest of the Seoul metropolitan area during the Korea–United States Air Quality Study (KORUS-AQ) 2016. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6331-6345.	4.9	6
115	La Niña-related tropospheric column ozone enhancement over East Asia. <i>Atmospheric Environment</i> , 2021, 261, 118575.	4.1	6
116	Preface to a Special Issue “Megacity Air Pollution Studies (MAPS)”. <i>Aerosol and Air Quality Research</i> , 2018, 18, IV.	2.1	6
117	Direct and semi-direct radiative effects of anthropogenic aerosols in the Western United States: Seasonal and geographical variations according to regional climate characteristics. <i>Climatic Change</i> , 2012, 111, 859-877.	3.6	5
118	Influence of the Anthropogenic Fugitive, Combustion, and Industrial Dust on Winter Air Quality in East Asia. <i>Atmosphere</i> , 2019, 10, 790.	2.3	5
119	Parametric analysis for global single scattering albedo calculations. <i>Atmospheric Environment</i> , 2020, 234, 117616.	4.1	5
120	Diversity of ENSO-Related Surface Temperature Response in Future Projection in CMIP6 Climate Models: Climate Change Scenario Versus ENSO Intensity. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	5
121	Meteorological responses to Mt. Baekdu volcanic eruption over east asia in an offline global climate-chemistry model: A pilot study. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2011, 47, 345-351.	2.3	4
122	Contributions of solar and greenhouse gases forcing during the present warm period. <i>Meteorology and Atmospheric Physics</i> , 2014, 126, 71-79.	2.0	4
123	Two notable features in PM10 data and analysis of their causes. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 991-998.	3.3	4
124	Boundary layer versus free tropospheric submicron particle formation: A case study from NASA DC-8 observations in the Asian continental outflow during the KORUS-AQ campaign. <i>Atmospheric Research</i> , 2021, 264, 105857.	4.1	4
125	Projections of future drought intensity associated with various local greenhouse gas emission scenarios in East Asia. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2020, 31, 9-19.	0.6	4
126	Peroxy acetyl nitrate (PAN) measurements at northern midlatitude mountain sites in April: a constraint on continental source–receptor relationships. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15345-15361.	4.9	3



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127	Regional Arctic Amplification by a Fast Atmospheric Response to Anthropogenic Sulfate Aerosol Forcing in China. <i>Journal of Climate</i> , 2019, 32, 6337-6348.	3.2	3
128	Effect of Error in SO <sub>2</sub> Slant Column Density on the Accuracy of SO <sub>2</sub> Transport Flow Rate Estimates Based on GEMS Synthetic Radiances. <i>Remote Sensing</i> , 2021, 13, 3047.	4.0	3
129	Weekly variability of precipitation induced by anthropogenic aerosols: A case study in Korea in summer 2004. <i>Science of the Total Environment</i> , 2016, 541, 1531-1539.	8.0	2
130	Impact of high-resolution a priori profiles on satellite-based formaldehyde retrievals. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7639-7655.	4.9	2
131	A Study on the Characteristics of Flow and Reactive Pollutants' Dispersion in Step-up Street Canyons Using a CFD Model. <i>Atmosphere</i> , 2015, 25, 473-482.	0.3	2
132	A general parallelization approach to improve computation efficiency in a global chemical transport model (GEOS-Chem). <i>Geochemical Journal</i> , 2010, 44, 323-329.	1.0	1
133	Simple Analysis on the Relationship Between Sea Salt Aerosols and Precipitation in the North Pacific Ocean Using the Global Chemical Transport Model Simulation. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2018, 54, 179-186.	2.3	1
134	Korean Global Data Assimilation and Prediction System. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2018, 54, 265-265.	2.3	1
135	Impact of the Stratospheric Ozone on the Northern Hemisphere Surface Climate During Boreal Winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034958.	3.3	1
136	Effects of the El Niño on Tropospheric Ozone in a Simulation using a Climate-Chemistry Model. <i>Journal of the Korean Earth Science Society</i> , 2013, 34, 662-668.	0.2	1
137	Development of an Emissions Processing System for Climate Scenario Inventories to Support Global and Asian Air Quality Modeling Studies. <i>Asian Journal of Atmospheric Environment</i> , 2017, 11, 330-343.	1.1	1
138	A New Chemistry-Climate Model GRIMs-CCM: Model Evaluation of Interactive Chemistry-Meteorology Simulations. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2022, 58, 647-666.	2.3	1