

# Rokjin J Park

## 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.

140  
papers

8,180  
citations

45  
h-index

89  
g-index

172  
ext. papers

9,304  
ext. citations

5.3  
avg, IF

5.82  
L-index

#	Paper	IF	Citations
140	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> , <b>2022</b> , 49,	4.9	1
139	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> , <b>2021</b> , 21, 16775-16791	6.8	4
138	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> , <b>2021</b> , 21, 1331-1345	6.8	0
137	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> , <b>2021</b> , 773, 145531	10.2	2
136	Statistical predictability of wintertime PM <sub>2.5</sub> concentrations over East Asia using simple linear regression. <i>Science of the Total Environment</i> , <b>2021</b> , 776, 146059	10.2	8
135	Foraging trip duration of honeybee increases during a poor air quality episode and the increase persists thereafter. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 1492-1500	2.8	2
134	Multi-model intercomparisons of air quality simulations for the KORUS-AQ campaign. <i>Elementa</i> , <b>2021</b> , 9,	3.6	13
133	The Korea-United States Air Quality (KORUS-AQ) field study.. <i>Elementa</i> , <b>2021</b> , 9, 1-27	3.6	27
132	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> , <b>2021</b> , 13, 3047	5	
131	Impact of the Stratospheric Ozone on the Northern Hemisphere Surface Climate During Boreal Winter. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD034958	4.4	0
130	Contributions of international sources to PM <sub>2.5</sub> in South Korea. <i>Atmospheric Environment</i> , <b>2021</b> , 261, 118542	5.3	9
129	La Niña-related tropospheric column ozone enhancement over East Asia. <i>Atmospheric Environment</i> , <b>2021</b> , 261, 118575	5.3	1
128	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> , <b>2021</b> , 264, 105857	5.4	1
127	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> , <b>2021</b> , 9,	3.6	3
126	Projections of excess mortality related to diurnal temperature range under climate change scenarios: a multi-country modelling study. <i>Lancet Planetary Health, The</i> , <b>2020</b> , 4, e512-e521	9.8	13
125	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> , <b>2020</b> , 713, 136516	10.2	27
124	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> , <b>2020</b> , 8,	3.6	6

123	Investigation of factors controlling PM variability across the South Korean Peninsula during KORUS-AQ. <i>Elementa</i> , <b>2020</b> , 8,	3.6	28
122	Projections of future drought intensity associated with various local greenhouse gas emission scenarios in East Asia. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2020</b> , 31, 9-19	1.8	3
121	Parametric analysis for global single scattering albedo calculations. <i>Atmospheric Environment</i> , <b>2020</b> , 234, 117616	5.3	1
120	Impact of Meteorological Changes on Particulate Matter and Aerosol Optical Depth in Seoul during the Months of June over Recent Decades. <i>Atmosphere</i> , <b>2020</b> , 11, 1282	2.7	5
119	New Era of Air Quality Monitoring from Space: Geostationary Environment Monitoring Spectrometer (GEMS). <i>Bulletin of the American Meteorological Society</i> , <b>2020</b> , 101, E1-E22	6.1	81
118	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> , <b>2019</b> , 212, 65-74	5.3	26
117	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> , <b>2019</b> , 19, 1097-1113	6.8	44
116	Computational fluid dynamics simulation of reactive fine particulate matter in a street canyon. <i>Atmospheric Environment</i> , <b>2019</b> , 209, 54-66	5.3	7
115	Impacts of local vs. trans-boundary emissions from different sectors on PM2.5 exposure in South Korea during the KORUS-AQ campaign. <i>Atmospheric Environment</i> , <b>2019</b> , 203, 196-205	5.3	69
114	Aerosol versus greenhouse gas impacts on Southern Hemisphere general circulation changes. <i>Climate Dynamics</i> , <b>2019</b> , 52, 4127-4142	4.2	12
113	A missing component of Arctic warming: black carbon from gas flaring. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 094011	6.2	4
112	Contrasting synoptic weather patterns between non-dust high particulate matter events and Asian dust events in Seoul, South Korea. <i>Atmospheric Environment</i> , <b>2019</b> , 214, 116864	5.3	15
111	Description of a formaldehyde retrieval algorithm for the Geostationary Environment Monitoring Spectrometer (GEMS). <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 3551-3571	4	9
110	Regional Arctic Amplification by a Fast Atmospheric Response to Anthropogenic Sulfate Aerosol Forcing in China. <i>Journal of Climate</i> , <b>2019</b> , 32, 6337-6348	4.4	2
109	Evaluation of simulated O3 production efficiency during the KORUS-AQ campaign: Implications for anthropogenic NOx emissions in Korea. <i>Elementa</i> , <b>2019</b> , 7,	3.6	22
108	Meteorology influencing springtime air quality, pollution transport, and visibility in Korea. <i>Elementa</i> , <b>2019</b> , 7,	3.6	38
107	A Global/Regional Integrated Model System-Chemistry Climate Model: 1. Simulation Characteristics. <i>Earth and Space Science</i> , <b>2019</b> , 6, 2016-2030	3.1	3
106	Possible Link Between Arctic Sea Ice and January PM10 Concentrations in South Korea. <i>Atmosphere</i> , <b>2019</b> , 10, 619	2.7	10

105	Influence of the Anthropogenic Fugitive, Combustion, and Industrial Dust on Winter Air Quality in East Asia. <i>Atmosphere</i> , <b>2019</b> , 10, 790	2.7	3
104	Efficacy of dust aerosol forecasts for East Asia using the adjoint of GEOS-Chem with ground-based observations. <i>Environmental Pollution</i> , <b>2018</b> , 234, 885-893	9.3	7
103	Impacts of different characterizations of large-scale background on simulated regional-scale ozone over the continental United States. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 3839-3864	6.8	33
102	Changes in column aerosol optical depth and ground-level particulate matter concentration over East Asia. <i>Air Quality, Atmosphere and Health</i> , <b>2018</b> , 11, 49-60	5.6	19
101	Tropospheric jet response to Antarctic ozone depletion: An update with Chemistry-Climate Model Initiative (CCMI) models. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 054024	6.2	30
100	HTAP2 multi-model estimates of premature human mortality due to intercontinental transport of air pollution and emission sectors. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 10497-10520	6.8	34
99	Impact of high-resolution a priori profiles on satellite-based formaldehyde retrievals. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 7639-7655	6.8	2
98	Dissimilar effects of two El Niño types on PM concentrations in East Asia. <i>Environmental Pollution</i> , <b>2018</b> , 242, 1395-1403	9.3	17
97	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> , <b>2018</b> , 11, 1021-1035	5.6	5
96	The Controlling Factors of Photochemical Ozone Production in Seoul, South Korea. <i>Aerosol and Air Quality Research</i> , <b>2018</b> , 18, 2253-2261	4.6	11
95	Preface to a Special Issue "Megacity Air Pollution Studies (MAPS)" <i>Aerosol and Air Quality Research</i> , <b>2018</b> , 18, I-IV	4.6	3
94	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> , <b>2018</b> , 18, 15345-15361	6.8	2
93	HTAP2 multi-model estimates of premature human mortality due to intercontinental transport of air pollution <b>2018</b> ,		2
92	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> , <b>2018</b> , 54, 179-186	2.1	1
91	PM source attribution for Seoul in May from 2009 to 2013 using GEOS-Chem and its adjoint model. <i>Environmental Pollution</i> , <b>2017</b> , 221, 377-384	9.3	33
90	Two notable features in PM10 data and analysis of their causes. <i>Air Quality, Atmosphere and Health</i> , <b>2017</b> , 10, 991-998	5.6	0
89	Contributions of Asian pollution and SST forcings on precipitation change in the North Pacific. <i>Atmospheric Research</i> , <b>2017</b> , 192, 30-37	5.4	6
88	Winter monsoon variability and its impact on aerosol concentrations in East Asia. <i>Environmental Pollution</i> , <b>2017</b> , 221, 285-292	9.3	60

87	Recent increase of surface particulate matter concentrations in the Seoul Metropolitan Area, Korea. <i>Scientific Reports</i> , <b>2017</b> , 7, 4710	4.9	75
86	Impact of intercontinental pollution transport on North American ozone air pollution: an HTAP phase 2 multi-model study. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 5721-5750	6.8	36
85	Wintertime aerosol optical and radiative properties in the Kathmandu Valley during the SusKat-ABC field campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 12617-12632	6.8	15
84	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> , <b>2017</b> , 17, 4673-4686	6.8	15
83	Key factors affecting single scattering albedo calculation: Implications for aerosol climate forcing <b>2017</b> ,		1
82	Impacts of Different Characterizations of Large-Scale Background on Simulated Regional-Scale Ozone Over the Continental United States <b>2017</b> ,		1
81	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> , <b>2017</b> , 11, 330-343	1.3	1
80	A global simulation of brown carbon: implications for photochemistry and direct radiative effect. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 3413-3432	6.8	106
79	Rethinking the global secondary organic aerosol (SOA) budget: stronger production, faster removal, shorter lifetime. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7917-7941	6.8	137
78	Effects of sulfate aerosol forcing on East Asian summer monsoon for 1985-2010. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 1364-1372	4.9	25
77	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> , <b>2016</b> , 46, 3725-3736	4.2	20
76	Weekly variability of precipitation induced by anthropogenic aerosols: A case study in Korea in summer 2004. <i>Science of the Total Environment</i> , <b>2016</b> , 541, 1531-1539	10.2	1
75	OH reactivity in urban and suburban regions in Seoul, South Korea - an East Asian megacity in a rapid transition. <i>Faraday Discussions</i> , <b>2016</b> , 189, 231-51	3.6	23
74	Effects of building roof cooling on the flow and dispersion of reactive pollutants in an idealized urban street canyon. <i>Building and Environment</i> , <b>2016</b> , 109, 175-189	6.5	18
73	Characteristics of flow and reactive pollutant dispersion in urban street canyons. <i>Atmospheric Environment</i> , <b>2015</b> , 108, 20-31	5.3	32
72	Source apportionment of PM10 mass and particulate carbon in the Kathmandu Valley, Nepal. <i>Atmospheric Environment</i> , <b>2015</b> , 123, 190-199	5.3	48
71	Future ozone and oxidants change under the RCP scenarios. <i>Atmospheric Environment</i> , <b>2015</b> , 101, 103-115	5.3	31
70	Effect of anthropogenic sulphate aerosol in China on the drought in the western-to-central US. <i>Scientific Reports</i> , <b>2015</b> , 5, 14305	4.9	10

69	Projections of summertime ozone concentration over East Asia under multiple IPCC SRES emission scenarios. <i>Atmospheric Environment</i> , <b>2015</b> , 106, 335-346	5.3	25
68	A Study on the Characteristics of Flow and Reactive Pollutants' Dispersion in Step-up Street Canyons Using a CFD Model. <i>Atmosphere</i> , <b>2015</b> , 25, 473-482		2
67	Air quality modeling in East Asia: present issues and future directions. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , <b>2014</b> , 50, 105-120	2.1	27
66	Contributions of solar and greenhouse gases forcing during the present warm period. <i>Meteorology and Atmospheric Physics</i> , <b>2014</b> , 126, 71-79	2	4
65	Impacts of intercontinental transport of anthropogenic fine particulate matter on human mortality. <i>Air Quality, Atmosphere and Health</i> , <b>2014</b> , 7, 369-379	5.6	54
64	Validation of OMI HCHO data and its analysis over Asia. <i>Science of the Total Environment</i> , <b>2014</b> , 490, 93-105	2.2	19
63	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> , <b>2014</b> , 119, 2574-2596	4.4	39
62	An evaluation of ozone dry deposition simulations in East Asia. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 7929-7940	6.8	25
61	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> , <b>2014</b> , 25, 827	1.8	6
60	Effects of the meteorological variability on regional air quality in East Asia. <i>Atmospheric Environment</i> , <b>2013</b> , 69, 46-55	5.3	63
59	Comparative inverse analysis of satellite (MODIS) and ground (PM <sub>10</sub> ) observations to estimate dust emissions in East Asia. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , <b>2013</b> , 49, 3-17	2.1	8
58	The role of mineral-dust aerosols in polar temperature amplification. <i>Nature Climate Change</i> , <b>2013</b> , 3, 487-491	21.4	54
57	Effects of chemical aging on global secondary organic aerosol using the volatility basis set approach. <i>Atmospheric Environment</i> , <b>2013</b> , 81, 230-244	5.3	47
56	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> , <b>2013</b> , 118, 1261-1270	4.4	13
55	A Study of the Effects of SST Deviations on Heavy Snowfall over the Yellow Sea. <i>Atmosphere</i> , <b>2013</b> , 23, 161-169		8
54	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> , <b>2013</b> , 34, 662-668	0.1	1
53	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> , <b>2012</b> , 47, 330-340	5.3	61
52	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> , <b>2012</b> , 111, 859-877	4.5	4

51	Modeling of gas and aerosol with WRF/Chem over Europe: Evaluation and sensitivity study. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a			150
50	Effects of below-cloud scavenging on the regional aerosol budget in East Asia. <i>Atmospheric Environment</i> , <b>2012</b> , 58, 14-22	5.3		20
49	Source contributions to carbonaceous aerosol concentrations in Korea. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 1116-1125	5.3		42
48	Impacts of aerosols on regional meteorology due to Siberian forest fires in May 2003. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 1407-1412	5.3		10
47	Inverse modeling analysis of soil dust sources over East Asia. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 5903-5912	5.3		22
46	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> , <b>2011</b> , 47, 345-351	2.1		4
45	Resolving intercontinental pollution plumes in global models of atmospheric transport. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,			66
44	Weekend effect: Anthropogenic or natural?. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9		24
43	A general parallelization approach to improve computation efficiency in a global chemical transport model (GEOS-Chem). <i>Geochemical Journal</i> , <b>2010</b> , 44, 323-329	0.9		
42	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> , <b>2010</b> , 10, 11969-11985	6.8		11
41	A contribution of brown carbon aerosol to the aerosol light absorption and its radiative forcing in East Asia. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 1414-1421	5.3		94
40	Surface ozone background in the United States: Canadian and Mexican pollution influences. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 1310-1319	5.3		81
39	Estimating bulk optical properties of aerosols over the western North Pacific by using MODIS and CERES measurements. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 5654-5660	5.3		7
38	Intercontinental impacts of ozone pollution on human mortality. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 6482-7	10.3		109
37	Transition metal-catalyzed oxidation of atmospheric sulfur: Global implications for the sulfur budget. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,			141
36	Multimodel estimates of intercontinental source-receptor relationships for ozone pollution. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,			378
35	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> , <b>2009</b> , 114,			24
34	An analysis of simulated wet deposition of mercury from the North American Mercury Model Intercomparison Study. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,			50

33	MICS-Asia II: Modeling gaseous pollutants and evaluating an advanced modeling system over East Asia. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 3571-3583	5-3	34
32	Validation of OMI tropospheric NO <sub>2</sub> observations during INTEX-B and application to constrain NO <sub>x</sub> NO <sub>x</sub> emissions over the eastern United States and Mexico. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 4480-4497	5-3	158
31	Effects of Siberian forest fires on air quality in East Asia during May 2003 and its climate implication. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 8910-8922	5-3	34
30	Global distribution of solid and aqueous sulfate aerosols: Effect of the hysteresis of particle phase transitions. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		77
29	A multi-model study of the hemispheric transport and deposition of oxidised nitrogen. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4-9	69
28	The North American Mercury Model Intercomparison Study (NAMMIS): Study description and model-to-model comparisons. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		68
27	The Impact of Aerosols on the Summer Rainfall Frequency in China. <i>Journal of Applied Meteorology and Climatology</i> , <b>2008</b> , 47, 1802-1813	2-7	48
26	Air-sea exchange in the global mercury cycle. <i>Global Biogeochemical Cycles</i> , <b>2007</b> , 21,	5-9	160
25	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> , <b>2007</b> , 112,		21
24	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> , <b>2007</b> , 112,		80
23	Wildfires drive interannual variability of organic carbon aerosol in the western U.S. in summer. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4-9	103
22	The impact of transpacific transport of mineral dust in the United States. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 1251-1266	5-3	342
21	Model evidence for a significant source of secondary organic aerosol from isoprene. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 1267-1274	5-3	49
20	Fire and biofuel contributions to annual mean aerosol mass concentrations in the United States. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 7389-7400	5-3	106
19	Chemical cycling and deposition of atmospheric mercury: Global constraints from observations. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		294
18	Regional visibility statistics in the United States: Natural and transboundary pollution influences, and implications for the Regional Haze Rule. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 5405-5423	5-3	201
17	Transpacific transport of Asian anthropogenic aerosols and its impact on surface air quality in the United States. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		176
16	Estimating ground-level PM <sub>2.5</sub> using aerosol optical depth determined from satellite remote sensing. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		326



15	Observations of reactive gaseous mercury in the free troposphere at the Mount Bachelor Observatory. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		137
14	North American pollution outflow and the trapping of convectively lifted pollution by upper-level anticyclone. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		139
13	Export efficiency of black carbon aerosol in continental outflow: Global implications. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		154
12	Sulfate formation in sea-salt aerosols: Constraints from oxygen isotopes. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		265
11	Convective outflow of South Asian pollution: A global CTM simulation compared with EOS MLS observations. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a	4-9	182
10	A large organic aerosol source in the free troposphere missing from current models. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a	4-9	515
9	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> , <b>2004</b> , 109,		10
8	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> , <b>2004</b> , 109,		12
7	Natural and transboundary pollution influences on sulfate-nitrate-ammonium aerosols in the United States: Implications for policy. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		648
6	Ozone production in transpacific Asian pollution plumes and implications for ozone air quality in California. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		170
5	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> , <b>2004</b> , 109, n/a-n/a		124
4	Sources of carbonaceous aerosols over the United States and implications for natural visibility. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		411
3	An evaluation of O <sub>3</sub> ; dry deposition simulations in East Asia		1
2	A global simulation of brown carbon: implications for photochemistry and direct radiative effect		6
1	Rethinking the global secondary organic aerosol (SOA) budget: stronger production, faster removal, shorter lifetime		5