

Joshua S Fu

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173
papers

4,684
citations

38
h-index

62
g-index

223
ext. papers

5,431
ext. citations

6.6
avg, IF

5.51
L-index

#	Paper	IF	Citations
173	Air quality during the 2008 Beijing Olympic Games. <i>Atmospheric Environment</i> , 2007 , 41, 480-492	5.3	413
172	A hybrid ARIMA and artificial neural networks model to forecast particulate matter in urban areas: The case of Temuco, Chile. <i>Atmospheric Environment</i> , 2008 , 42, 8331-8340	5.3	224
171	Impact assessment of ammonia emissions on inorganic aerosols in East China using response surface modeling technique. <i>Environmental Science & Technology</i> , 2011 , 45, 9293-300	10.3	184
170	Impact of national NO _x and SO ₂ control policies on particulate matter pollution in China. <i>Atmospheric Environment</i> , 2013 , 77, 453-463	5.3	173
169	An overview of regional experiments on biomass burning aerosols and related pollutants in Southeast Asia: From BASE-ASIA and the Dongsha Experiment to 7-SEAS. <i>Atmospheric Environment</i> , 2013 , 78, 1-19	5.3	128
168	Impact assessment of biomass burning on air quality in Southeast and East Asia during BASE-ASIA. <i>Atmospheric Environment</i> , 2013 , 78, 291-302	5.3	112
167	Environmental effects of the recent emission changes in China: implications for particulate matter pollution and soil acidification. <i>Environmental Research Letters</i> , 2013 , 8, 024031	6.2	92
166	Source apportionment of PM 2.5 in top polluted cities in Hebei, China using the CMAQ model. <i>Atmospheric Environment</i> , 2015 , 122, 723-736	5.3	90
165	Probing the severe haze pollution in three typical regions of China: Characteristics, sources and regional impacts. <i>Atmospheric Environment</i> , 2015 , 120, 76-88	5.3	88
164	The impact of emission and climate change on ozone in the United States under representative concentration pathways (RCPs). <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 9607-9621	6.8	87
163	Impact of anthropogenic emission on air quality over a megacity revealed from an intensive atmospheric campaign during the Chinese Spring Festival. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 11631-11645	6.8	86
162	Estimation and uncertainty analysis of impacts of future heat waves on mortality in the eastern United States. <i>Environmental Health Perspectives</i> , 2014 , 122, 10-6	8.4	79
161	Process analysis of typical summertime ozone episodes over the Beijing area. <i>Science of the Total Environment</i> , 2008 , 399, 147-57	10.2	78
160	A modeling study of the nonlinear response of fine particles to air pollutant emissions in the Beijing-Tianjin-Hebei region. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 12031-12050	6.8	70
159	Assessment of air quality benefits from national air pollution control policies in China. Part II: Evaluation of air quality predictions and air quality benefits assessment. <i>Atmospheric Environment</i> , 2010 , 44, 3449-3457	5.3	69
158	Assessment of short-term PM _{2.5} -related mortality due to different emission sources in the Yangtze River Delta, China. <i>Atmospheric Environment</i> , 2015 , 123, 440-448	5.3	68
157	Technical note: Coordination and harmonization of the multi-scale, multi-model activities HTAP2, AQMEII3, and MICS-Asia3: simulations, emission inventories, boundary conditions, and model output formats. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 1543-1555	6.8	68

156	Russian anthropogenic black carbon: Emission reconstruction and Arctic black carbon simulation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 11,306-11,333	4.4	68
155	Mixing of Asian dust with pollution aerosol and the transformation of aerosol components during the dust storm over China in spring 2007. <i>Journal of Geophysical Research</i> , 2010 , 115,		60
154	A multi-year evolution of aerosol chemistry impacting visibility and haze formation over an Eastern Asia megacity, Shanghai. <i>Atmospheric Environment</i> , 2014 , 92, 76-86	5.3	59
153	Tethered balloon-based black carbon profiles within the lower troposphere of Shanghai in the 2013 East China smog. <i>Atmospheric Environment</i> , 2015 , 123, 327-338	5.3	59
152	A modeling study of coarse particulate matter pollution in Beijing: regional source contributions and control implications for the 2008 Summer Olympics. <i>Journal of the Air and Waste Management Association</i> , 2008 , 58, 1057-69	2.4	58
151	Using the Community Multiscale Air Quality (CMAQ) model to estimate public health impacts of PM2.5 from individual power plants. <i>Environment International</i> , 2014 , 68, 200-8	12.9	53
150	How to improve the air quality over megacities in China: pollution characterization and source analysis in Shanghai before, during, and after the 2010 World Expo. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 5927-5942	6.8	53
149	Assessment of air quality benefits from national air pollution control policies in China. Part I: Background, emission scenarios and evaluation of meteorological predictions. <i>Atmospheric Environment</i> , 2010 , 44, 3442-3448	5.3	53
148	Numerical study on seasonal variations of gaseous pollutants and particulate matters in Hong Kong and Pearl River Delta Region. <i>Journal of Geophysical Research</i> , 2010 , 115,		52
147	Risk-based prioritization among air pollution control strategies in the Yangtze River Delta, China. <i>Environmental Health Perspectives</i> , 2010 , 118, 1204-10	8.4	50
146	From BASE-ASIA toward 7-SEAS: A satellite-surface perspective of boreal spring biomass-burning aerosols and clouds in Southeast Asia. <i>Atmospheric Environment</i> , 2013 , 78, 20-34	5.3	49
145	Health risks caused by short term exposure to ultrafine particles generated by residential wood combustion: a case study of Temuco, Chile. <i>Environment International</i> , 2014 , 66, 174-81	12.9	48
144	Source, long-range transport, and characteristics of a heavy dust pollution event in Shanghai. <i>Journal of Geophysical Research</i> , 2010 , 115,		48
143	Air quality and climate change, Topic 3 of the Model Inter-Comparison Study for Asia Phase III (MICS-Asia III) [Part I]: Overview and model evaluation. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 4859-4884	6.8	45
142	Associations of wildfire smoke PM exposure with cardiorespiratory events in Colorado 2011-2014. <i>Environment International</i> , 2019 , 133, 105151	12.9	44
141	Sources of secondary organic aerosols in the Pearl River Delta region in fall: Contributions from the aqueous reactive uptake of dicarbonyls. <i>Atmospheric Environment</i> , 2013 , 76, 200-207	5.3	44
140	Asian dust over northern China and its impact on the downstream aerosol chemistry in 2004. <i>Journal of Geophysical Research</i> , 2010 , 115,		44
139	Modeling regional/urban ozone and particulate matter in Beijing, China. <i>Journal of the Air and Waste Management Association</i> , 2009 , 59, 37-44	2.4	44

138	Mixing and transformation of Asian dust with pollution in the two dust storms over the northern China in 2006. <i>Atmospheric Environment</i> , 2010 , 44, 3394-3403	5.3	43
137	Spatial variation of modelled total, dry and wet nitrogen deposition to forests at global scale. <i>Environmental Pollution</i> , 2018 , 243, 1287-1301	9.3	41
136	Estimation of future PM2.5- and ozone-related mortality over the continental United States in a changing climate: An application of high-resolution dynamical downscaling technique. <i>Journal of the Air and Waste Management Association</i> , 2015 , 65, 611-23	2.4	39
135	Mixing of dust with pollution on the transport path of Asian dust--revealed from the aerosol over Yulin, the north edge of Loess Plateau. <i>Science of the Total Environment</i> , 2011 , 409, 573-81	10.2	38
134	Assessing the nonlinear response of fine particles to precursor emissions: development and application of an extended response surface modeling technique v1.0. <i>Geoscientific Model Development</i> , 2015 , 8, 115-128	6.3	37
133	Sensitivity and linearity analysis of ozone in East Asia: the effects of domestic emission and intercontinental transport. <i>Journal of the Air and Waste Management Association</i> , 2012 , 62, 1102-14	2.4	37
132	Evolution of particulate sulfate and nitrate along the Asian dust pathway: Secondary transformation and primary pollutants via long-range transport. <i>Atmospheric Research</i> , 2016 , 169, 86-95	5.4	35
131	MICS-Asia III: multi-model comparison and evaluation of aerosol over East Asia. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11911-11937	6.8	35
130	Model development of dust emission and heterogeneous chemistry within the Community Multiscale Air Quality modeling system and its application over East Asia. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 8157-8180	6.8	34
129	Inorganic aerosols responses to emission changes in Yangtze River Delta, China. <i>Science of the Total Environment</i> , 2014 , 481, 522-32	10.2	34
128	Evaluation of health benefit using BenMAP-CE with an integrated scheme of model and monitor data during Guangzhou Asian Games. <i>Journal of Environmental Sciences</i> , 2016 , 42, 9-18	6.4	34
127	The impact of climate change and emissions control on future ozone levels: Implications for human health. <i>Environment International</i> , 2017 , 108, 41-50	12.9	33
126	Model evaluation and intercomparison of surface-level ozone and relevant species in East Asia in the context of MICS-Asia Phase III [Part 1: Overview. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12993-13015	6.8	33
125	Nonlinear relationships between air pollutant emissions and PM-related health impacts in the Beijing-Tianjin-Hebei region. <i>Science of the Total Environment</i> , 2019 , 661, 375-385	10.2	32
124	Impacts of climate change on sub-regional electricity demand and distribution in the southern United States. <i>Nature Energy</i> , 2016 , 1,	62.3	32
123	Simulation of long-range transport aerosols from the Asian Continent to Taiwan by a southward Asian high-pressure system. <i>Science of the Total Environment</i> , 2008 , 406, 168-79	10.2	32
122	Improving ozone modeling in complex terrain at a fine grid resolution: Part I Examination of analysis nudging and all PBL schemes associated with LSMs in meteorological model. <i>Atmospheric Environment</i> , 2010 , 44, 523-532	5.3	31
121	An Evaluation of Alternative Forecasting Methods to Recreation Visitation. <i>Journal of Leisure Research</i> , 2003 , 35, 441-454	1.9	31

120	A global gas flaring black carbon emission rate dataset from 1994 to 2012. <i>Scientific Data</i> , 2016 , 3, 1601042	3.0	30
119	MICS-Asia III: overview of model intercomparison and evaluation of acid deposition over Asia. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2667-2693	6.8	30
118	Relation between optical and chemical properties of dust aerosol over Beijing, China. <i>Journal of Geophysical Research</i> , 2010 , 115,		28
117	Multi-model study of HTAP-II on sulfur and nitrogen deposition. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 6847-6866	6.8	27
116	Design and demonstration of a next-generation air quality attainment assessment system for PM _{2.5} and O ₃ . <i>Journal of Environmental Sciences</i> , 2015 , 29, 178-88	6.4	25
115	Anthropogenic air pollution observed near dust source regions in northwestern China during springtime 2008. <i>Journal of Geophysical Research</i> , 2010 , 115,		25
114	Satellite-Based Daily PM Estimates During Fire Seasons in Colorado. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 8159-8171	4.4	24
113	Evaluation and uncertainty investigation of the NO ₂ , CO and NH ₃ modeling over China under the framework of MICS-Asia-III. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 181-202	6.8	24
112	Cost estimate of multi-pollutant abatement from the power sector in the Yangtze River Delta region of China. <i>Energy Policy</i> , 2014 , 69, 478-488	7.2	23
111	Emission of fine organic aerosol from traditional charcoal broiling in China. <i>Journal of Atmospheric Chemistry</i> , 2008 , 61, 119-131	3.2	23
110	Cost estimate of the multi-pollutant abatement in coal-fired power sector in China. <i>Energy</i> , 2018 , 161, 523-535	7.9	22
109	Analysis of air quality and health co-benefits regarding electric vehicle promotion coupled with power plant emissions. <i>Journal of Cleaner Production</i> , 2020 , 247, 119152	10.3	22
108	Probe into gaseous pollution and assessment of air quality benefit under sector dependent emission control strategies over megacities in Yangtze River Delta, China. <i>Atmospheric Environment</i> , 2013 , 79, 841-852	5.3	21
107	Spatially resolved estimation of ozone-related mortality in the United States under two Representative Concentration Pathways (RCPs) and their uncertainty. <i>Climatic Change</i> , 2015 , 128, 71-84	4.5	21
106	Understanding interannual variations of biomass burning from Peninsular Southeast Asia, part II: Variability and different influences in lower and higher atmosphere levels. <i>Atmospheric Environment</i> , 2015 , 115, 9-18	5.3	20
105	A Simulation Study on PM _{2.5} Sources and Meteorological Characteristics at the Northern tip of Taiwan in the Early Stage of the Asian Haze Period. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 3166-3178	4.6	20
104	The time trend temperature-mortality as a factor of uncertainty analysis of impacts of future heat waves: Wu et al. respond. <i>Environmental Health Perspectives</i> , 2014 , 122, A118-9	8.4	19
103	Modeling and source apportionment of diesel particulate matter. <i>Environment International</i> , 2008 , 34, 1-11	12.9	19

102	Role of sectoral and multi-pollutant emission control strategies in improving atmospheric visibility in the Yangtze River Delta, China. <i>Environmental Pollution</i> , 2014 , 184, 426-34	9.3	18
101	Air Quality over the Yangtze River Delta during the 2010 Shanghai Expo. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 1655-1666	4.6	17
100	Simulating the transport and chemical evolution of biomass burning pollutants originating from Southeast Asia during 7-SEAS/2010 Dongsha experiment. <i>Atmospheric Environment</i> , 2015 , 112, 294-305	5.3	16
99	Environmentally dependent dust chemistry of a super Asian dust storm in March 2010: observation and simulation. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 3505-3521	6.8	16
98	Satellite observation of pollutant emissions from gas flaring activities near the Arctic. <i>Atmospheric Environment</i> , 2016 , 133, 1-11	5.3	16
97	Comparison of surface ozone simulation among selected regional models in MICS-Asia III [Effects of chemistry and vertical transport for the causes of difference. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 603-615	6.8	15
96	Analyzing Economic and Environmental Performance of Switchgrass Biofuel Supply Chains. <i>Bioenergy Research</i> , 2016 , 9, 566-577	3.1	15
95	Conjunctive use of models to design cost-effective ozone control strategies. <i>Journal of the Air and Waste Management Association</i> , 2006 , 56, 800-9	2.4	15
94	Analysis of environmental and economic tradeoffs in switchgrass supply chains for biofuel production. <i>Energy</i> , 2016 , 107, 791-803	7.9	15
93	Evaluation of the effect of regional joint-control measures on changing photochemical transformation: a comprehensive study of the optimization scenario analysis. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 9037-9060	6.8	14
92	Major factors influencing the health impacts from controlling air pollutants with nonlinear chemistry: an application to China. <i>Risk Analysis</i> , 2014 , 34, 683-97	3.9	14
91	Understanding interannual variations of biomass burning from Peninsular Southeast Asia, part I: Model evaluation and analysis of systematic bias. <i>Atmospheric Environment</i> , 2015 , 116, 293-307	5.3	14
90	Why do models perform differently on particulate matter over East Asia? A multi-model intercomparison study for MICS-Asia III. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 7393-7410	6.8	13
89	Evaluating the impact of mobility on COVID-19 pandemic with machine learning hybrid predictions. <i>Science of the Total Environment</i> , 2021 , 758, 144151	10.2	13
88	Recommendations on benchmarks for numerical air quality model applications in China [Part 1: PM _{2.5} and chemical species. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 2725-2743	6.8	13
87	Ammonia emission abatement does not fully control reduced forms of nitrogen deposition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 9771-9775	11.5	12
86	Source contributions to sulfur and nitrogen deposition [An HTAP II multi-model study on hemispheric transport. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 12223-12240	6.8	12
85	Effectiveness of SO emission control policy on power plants in the Yangtze River Delta, China-post-assessment of the 11th Five-Year Plan. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 8243-8255	5.1	10

84	Regional Climate Effects of Biomass Burning and Dust in East Asia: Evidence From Modeling and Observation. <i>Geophysical Research Letters</i> , 2019 , 46, 11490-11499	4.9	10
83	Development of an integrated policy making tool for assessing air quality and human health benefits of air pollution control. <i>Frontiers of Environmental Science and Engineering</i> , 2015 , 9, 1056-1065	5.8	10
82	Development and case study of a science-based software platform to support policy making on air quality. <i>Journal of Environmental Sciences</i> , 2015 , 27, 97-107	6.4	10
81	Aerosol oxalate and its implication to haze pollution in Shanghai, China. <i>Science Bulletin</i> , 2014 , 59, 227-238		10
80	Estimating evaporative vapor generation from automobiles based on parking activities. <i>Environmental Pollution</i> , 2015 , 202, 104-11	9.3	9
79	Effect of socioeconomic status on the relationship between short-term exposure to PM2.5 and cardiorespiratory mortality and morbidity in a megacity: the case of Santiago de Chile. <i>Air Quality, Atmosphere and Health</i> , 2020 , 13, 509-517	5.6	9
78	The climate impact on atmospheric stagnation and capability of stagnation indices in elucidating the haze events over North China Plain and Northeast China. <i>Chemosphere</i> , 2020 , 258, 127335	8.4	9
77	Seasonal distribution and modeling of diesel particulate matter in the Southeast US. <i>Environment International</i> , 2009 , 35, 956-64	12.9	9
76	The Simulation of Long-Range Transport of Biomass Burning Plume and Short-Range Transport of Anthropogenic Pollutants to a Mountain Observatory in East Asia during the 7-SEAS/2010 Dongsha Experiment. <i>Aerosol and Air Quality Research</i> , 2016 , 16, 2933-2949	4.6	9
75	Model Inter-Comparison Study for Asia (MICS-Asia) phase III: multimodel comparison of reactive nitrogen deposition over China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10587-10610	6.8	9
74	The black carbon dispersion in the Southern Hemisphere and its transport and fate to Antarctica, an Anthropocene evidence for climate change policies. <i>Science of the Total Environment</i> , 2021 , 778, 146242	10.2	9
73	Climate-driven exceedance of total (wet + dry) nitrogen (N) + sulfur (S) deposition to forest soil over the conterminous U.S. <i>Earth's Future</i> , 2017 , 5, 560-576	7.9	8
72	Spatial-temporal variations and process analysis of O ₃ pollution in Hangzhou during the G20 summit. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 5963-5976	6.8	8
71	The chemistry of heavy haze over Urumqi, Central Asia. <i>Journal of Atmospheric Chemistry</i> , 2008 , 61, 57-72	7.2	8
70	Identification of Missing Anthropogenic Emission Sources in Russia: Implication for Modeling Arctic Haze. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 1799-1811	4.6	8
69	A Typical Formation Mechanism of Heavy Haze-Fog Induced by Coal Combustion in an Inland City in North-Western China. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 98-107	4.6	8
68	Exploring the stratospheric source of ozone pollution over China during the 2016 Group of Twenty summit. <i>Atmospheric Pollution Research</i> , 2019 , 10, 1267-1275	4.5	7
67	Sensitivity analysis of biodiesel blends on Benzo[a]pyrene and main emissions using MOVES: A case study in Temuco, Chile. <i>Science of the Total Environment</i> , 2015 , 537, 352-9	10.2	7

66	Air quality and climate change, Topic 3 of the Model Inter-Comparison Study for Asia Phase III (MICS-Asia III) [Part 2]: aerosol radiative effects and aerosol feedbacks. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1147-1161	6.8	7
65	How aerosol direct effects influence the source contributions to PM _{2.5} concentrations over Southern Hebei, China in severe winter haze episodes. <i>Frontiers of Environmental Science and Engineering</i> , 2018 , 12, 1	5.8	7
64	Impact of mixed anthropogenic and natural emissions on air quality and eco-environment—the major water-soluble components in aerosols from northwest to offshore isle. <i>Air Quality, Atmosphere and Health</i> , 2018 , 11, 521-534	5.6	7
63	Analysis of the Co-existence of Long-range Transport Biomass Burning and Dust in the Subtropical West Pacific Region. <i>Scientific Reports</i> , 2018 , 8, 8962	4.9	7
62	Improving ozone modeling in complex terrain at a fine grid resolution [Part II: Influence of schemes in MM5 on daily maximum 8-h ozone concentrations and RRFs (Relative Reduction Factors) for SIPs in the non-attainment areas. <i>Atmospheric Environment</i> , 2010 , 44, 2116-2124	5.3	7
61	Characteristics and Emissions of Heavy-Duty Vehicles in Tennessee Under the MOBILES Model. <i>Transportation Research Record</i> , 2003 , 1842, 99-108	1.7	7
60	Two-scale multi-model ensemble: is a hybrid ensemble of opportunity telling us more?. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2727-2744	6.8	7
59	Long-range transport impacts on surface aerosol concentrations and the contributions to haze events in China: an HTAP2 multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 15581-15600	6.8	6
58	Diesel Truck Idling Emissions: Measurements at PM _{2.5} Hot Spot. <i>Transportation Research Record</i> , 2007 , 2011, 49-56	1.7	5
57	Sensitivity analysis of the dust emission treatment in CMAQv5.2.1 and its application to long-range transport over East Asia. <i>Atmospheric Environment</i> , 2021 , 257, 118441	5.3	5
56	Organic nitrates and other oxidized nitrogen compounds contribute significantly to the total nitrogen depositions in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E4433-4	11.5	5
55	Evaluating Recent Updated Black Carbon Emissions and Revisiting the Direct Radiative Forcing in Arctic. <i>Geophysical Research Letters</i> , 2019 , 46, 3560-3570	4.9	4
54	Modeling cold soak evaporative vapor emissions from gasoline-powered automobiles using a newly developed method. <i>Journal of the Air and Waste Management Association</i> , 2018 , 68, 1317-1332	2.4	4
53	Superposition of Gobi Dust and Southeast Asian Biomass Burning: The Effect of Multisource Long-Range Transport on Aerosol Optical Properties and Regional Meteorology Modification. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 9464-9483	4.4	4
52	A missing component of Arctic warming: black carbon from gas flaring. <i>Environmental Research Letters</i> , 2019 , 14, 094011	6.2	4
51	Study on the impact of three Asian industrial regions on PM _{2.5} in Taiwan and the process analysis during transport. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 14947-14967	6.8	4
50	Development of 2015 Vietnam emission inventory for power generation units. <i>Atmospheric Environment</i> , 2021 , 247, 118042	5.3	4
49	Computational Benefit of GPU Optimization for the Atmospheric Chemistry Modeling. <i>Journal of Advances in Modeling Earth Systems</i> , 2018 , 10, 1952-1969	7.1	4

48	Why models perform differently on particulate matter over East Asia? A multi-model intercomparison study for MICS-Asia III 2019 ,		3
47	Model evaluation and inter-comparison of surface-level ozone and relevant species in East Asia in the context of MICS-Asia phase III Part I: overview 2019 ,		3
46	First long-term detection of paleo-oceanic signature of dust aerosol at the southern marginal area of the Taklimakan Desert. <i>Scientific Reports</i> , 2018 , 8, 6779	4.9	3
45	Energy consumption and energy-saving potential analysis of pollutant abatement systems in a 1000-MW coal-fired power plant. <i>Journal of the Air and Waste Management Association</i> , 2018 , 68, 920-930 ⁴		3
44	Development of a Short-Duration Drive Cycle to Represent Long-Term Measured Drive Cycle Data: Evaluation of Truck Efficiency Technologies in Class 8 Tractor Trailers. <i>Transportation Research Record</i> , 2014 , 2428, 63-74	1.7	3
43	Improvement of the prediction of surface ozone concentration over conterminous U.S. by a computationally efficient second-order Rosenbrock solver in CAM4-Chem. <i>Journal of Advances in Modeling Earth Systems</i> , 2017 , 9, 482-500	7.1	3
42	The influence of internal model variability in GEOS-5 on interhemispheric CO ₂ exchange. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		3
41	Spatially-Explicit Simulation Modeling of Ecological Response to Climate Change: Methodological Considerations in Predicting Shifting Population Dynamics of Infectious Disease Vectors. <i>ISPRS International Journal of Geo-Information</i> , 2013 , 2, 645-664	2.9	3
40	Air quality modelling: an investigation of the merits of CMAQ in the analysis of trans-boundary air pollution from continents to small islands. <i>International Journal of Environmental Technology and Management</i> , 2009 , 10, 150	0.6	3
39	Source apportionment of fine particles in Tennessee using a source-oriented model. <i>Journal of the Air and Waste Management Association</i> , 2007 , 57, 407-19	2.4	3
38	Discrepancies between MICS-Asia III simulation and observation for surface ozone in the marine atmosphere over the northwestern Pacific Asian Rim region. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 15003-15014	6.8	3
37	Assessing terrestrial biogeochemical feedbacks in a strategically geoengineered climate. <i>Environmental Research Letters</i> , 2020 , 15, 104043	6.2	3
36	Using Costs and Health Benefits to Estimate the Priority of Air Pollution Control Action Plan: A Case Study in Taiwan. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5970	2.6	3
35	Vertical Circulation of Atmospheric Pollutants near Mountains during a Southern California Ozone Episode. <i>Aerosol and Air Quality Research</i> , 2016 , 16, 2396-2404	4.6	3
34	A modeling study of the nonlinear response of fine particles to air pollutant emissions in the Beijing-Tianjin-Hebei region 2017 ,		2
33	Uncertainty Quantification of Extratropical Forest Biomass in CMIP5 Models over the Northern Hemisphere. <i>Scientific Reports</i> , 2018 , 8, 10962	4.9	2
32	An approach to enhance pnetCDF performance in environmental modeling applications. <i>Geoscientific Model Development</i> , 2015 , 8, 1033-1046	6.3	2
31	Evaluation of Noise Level, Whole-Body Vibration, and Air Quality inside Cabs of Heavy-Duty Diesel Vehicles: Parked Engine Idling and On-Road Driving. <i>Transportation Research Record</i> , 2010 , 2194, 29-36	1.7	2

30	Projection of future wildfire emissions in western USA under climate change: contributions from changes in wildfire, fuel loading and fuel moisture. <i>International Journal of Wildland Fire</i> , 2021 ,	3.2	2
29	MICS-Asia III: Multi-model comparison of reactive Nitrogen deposition over China 2020 ,		2
28	Responses of Arctic black carbon and surface temperature to multi-region emission reductions: a Hemispheric Transport of Air Pollution Phase 2 (HTAP2) ensemble modeling study. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 8637-8654	6.8	2
27	Improving prediction of trans-boundary biomass burning plume dispersion: from northern peninsular Southeast Asia to downwind western North Pacific Ocean. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 12521-12541	6.8	2
26	Evaluation and uncertainty investigation of the NO ₂ , CO and NH ₃ modeling over China under the framework of MICS-Asia III 2019 ,		1
25	MICS-Asia III: Multi-model comparison and evaluation of aerosol over East Asia 2019 ,		1
24	MICS-Asia III: Overview of model inter-comparison and evaluation of acid deposition over Asia 2019 ,		1
23	Long-range Transport Impacts on Surface Aerosol Concentrations and the Contributions to Haze Events in China: an HTAP2 Multi-Model Study 2018 ,		1
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