Shuxiao Wang

List of Publications by Year in Descending Order

370 papers	18,899 citations	74 h-index	123 g-index
457 ext. papers	23,442 ext. citations	8.1 avg, IF	7.06 L-index

#	Paper	IF	Citations
370	Significant Contribution of Coarse Black Carbon Particles to Light Absorption in North China Plain. *Environmental Science and Technology Letters*, **2022**, 9, 134-139	11	1
369	Impacts of Removal Compensation Effect on the Mercury Emission Inventories for Nonferrous Metal (Zinc, Lead, and Copper) Smelting in China.. *Environmental Science & Technology*, **2022**,	10.3	1
368	Mercury emission characteristics and mechanism in the raw mill system of cement clinker production. *Journal of Hazardous Materials*, **2022**, 430, 128403	12.8	0
367	Mimicking atmospheric photochemical modelling with a deep neural network. *Atmospheric Research*, **2022**, 265, 1-11	5.4	0
366	Impact of anthropogenic heat emissions on meteorological parameters and air quality in Beijing using a high-resolution model simulation. *Frontiers of Environmental Science and Engineering*, **2022**, 16, 1	5.8	3
365	Critical loads of headwater streams in China using SSWC model modified by comprehensive F-factor. *Science of the Total Environment*, **2022**, 802, 149780	10.2	1
364	Role of black carbon in modulating aerosol direct effects driven by air pollution controls during 2013-2017 in China.. *Science of the Total Environment*, **2022**, 154928	10.2	0
363	Air pollutant emissions induced by rural-to-urban migration during China’s urbanization (2005–2015). *Environmental Science and Ecotechnology*, **2022**, 10, 100166	7.4	1
362	Impacts of large-scale deployment of mountainous wind farms on wintertime regional air quality in the Beijing-Tian-Hebei area. *Atmospheric Environment*, **2022**, 278, 119074	5.3	
361	High-yield H2 production from polypropylene through pyrolysis-catalytic reforming over activated carbon based nickel catalyst. *Journal of Cleaner Production*, **2022**, 352, 131566	10.3	1
360	Full-volatility emission framework corrects missing and underestimated secondary organic aerosol sources. *One Earth*, **2022**, 5, 403-412	8.1	3
359	The pathway of impacts of aerosol direct effects on secondary inorganic aerosol formation. *Atmospheric Chemistry and Physics*, **2022**, 22, 5147-5156	6.8	0
358	Comprehensive chemical characterization of gaseous I/SVOC emissions from heavy-duty diesel vehicles using two-dimensional gas chromatography time-of-flight mass spectrometry.. *Environmental Pollution*, **2022**, 119284	9.3	0
357	Response surface model based emission source contribution and meteorological pattern analysis in ozone polluted days.. *Environmental Pollution*, **2022**, 119459	9.3	
356	Regional demarcation of synergistic control for PM and ozone pollution in China based on long-term and massive data mining.. *Science of the Total Environment*, **2022**, 155975	10.2	1
355	The toxicity emissions and spatialized health risks of heavy metals in PM2.5 from biomass fuels burning. *Atmospheric Environment*, **2022**, 119178	5.3	2
354	Development and Assessment of a High-Resolution Biogenic Emission Inventory from Urban Green Spaces in China.. *Environmental Science & Technology*, **2021**,	10.3	8

353	Incorporating health co-benefits into technology pathways to achieve China's 2060 carbon neutrality goal: a modelling study. *Lancet Planetary Health, The*, **2021**, 5, e808-e817	9.8	9
352	Improvements of response surface modeling with self-adaptive machine learning method for PM and O predictions. *Journal of Environmental Management*, **2021**, 303, 114210	7.9	1
351	Source contribution analysis of PM using Response Surface Model and Particulate Source Apportionment Technology over the PRD region, China. *Science of the Total Environment*, **2021**, 151757	10.2	3
350	Variations and Sources of Organic Aerosol in Winter Beijing under Markedly Reduced Anthropogenic Activities During COVID-2019. *Environmental Science & Technology*, **2021**,	10.3	4
349	Unveiling the dipole synergic effect of biogenic and anthropogenic emissions on ozone concentrations. *Science of the Total Environment*, **2021**, 818, 151722	10.2	5
348	Addressing Unresolved Complex Mixture of I/SVOCs Emitted From Incomplete Combustion of Solid Fuels by Nontarget Analysis. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2021JD035835	4.4	3
347	Impacts of biogenic emissions from urban landscapes on summer ozone and secondary organic aerosol formation in megacities.. *Science of the Total Environment*, **2021**, 152654	10.2	4
346	Effect of the Coal Preparation Process on Mercury Flows and Emissions in Coal Combustion Systems. *Environmental Science & Technology*, **2021**, 55, 13687-13696	10.3	0
345	Combined solar power and storage as cost-competitive and grid-compatible supply for China's future carbon-neutral electricity system. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	7
344	New region demarcation method for implementing the Joint Prevention and Control of Atmospheric Pollution policy in China. *Journal of Cleaner Production*, **2021**, 325, 129345	10.3	0
343	Non-negligible contributions to human health from increased household air pollution exposure during the COVID-19 lockdown in China. *Environment International*, **2021**, 158, 106918	12.9	8
342	Assessment of meteorology vs. control measures in the China fine particular matter trend from 2013 to 2019 by an environmental meteorology index. *Atmospheric Chemistry and Physics*, **2021**, 21, 2999-3013	6.8	6
341	N-stable isotope analysis of NH : An overview on analytical measurements, source sampling and its source apportionment. *Frontiers of Environmental Science and Engineering*, **2021**, 15, 126	5.8	4
340	Role of emission controls in reducing the 2050 climate change penalty for PM in China. *Science of the Total Environment*, **2021**, 765, 144338	10.2	5
339	Global health effects of future atmospheric mercury emissions. *Nature Communications*, **2021**, 12, 3035	17.4	10
338	Global Economic Structure Transition Boosts Atmospheric Mercury Emissions in China. *Earthis Future*, **2021**, 9, e2021EF002076	7.9	2
337	Health Benefits and Costs of Clean Heating Renovation: An Integrated Assessment in a Major Chinese City. *Environmental Science & Technology*, **2021**, 55, 10046-10055	10.3	6
336	China's greenhouse gas emissions for cropping systems from 1978-2016. *Scientific Data*, **2021**, 8, 171	8.2	6

335	Exploring deep learning for air pollutant emission estimation. *Geoscientific Model Development*, **2021**, 14, 4641-4654	6.3	7
334	Enhanced mercury control but increased bromine and sulfur trioxides emissions after using bromine injection technology based on full-scale experiment. *Fuel*, **2021**, 285, 119130	7.1	5
333	Enhancement of the polynomial functions response surface model for real-time analyzing ozone sensitivity. *Frontiers of Environmental Science and Engineering*, **2021**, 15, 1	5.8	6
332	Impact of emission reductions and meteorology changes on atmospheric mercury concentrations during the COVID-19 lockdown. *Science of the Total Environment*, **2021**, 750, 142323	10.2	12
331	Understand the local and regional contributions on air pollution from the view of human health impacts. *Frontiers of Environmental Science and Engineering*, **2021**, 15, 1	5.8	8
330	Polar organic aerosol tracers in two areas in Beijing-Tianjin-Hebei region: Concentration comparison before and in the sept. Third Parade and sources. *Environmental Pollution*, **2021**, 270, 116108	9.3	0
329	Flame synthesized nanoscale catalyst (CuCeWTi) with excellent Hg oxidation activity and hydrothermal resistance. *Journal of Hazardous Materials*, **2021**, 408, 124427	12.8	1
328	Surface modification of TiO2 particles with 12-hydroxy stearic acid and the effect of particle size on the mechanical and thermal properties of thermoplastic polyurethane urea elastomers. *Journal of Applied Polymer Science*, **2021**, 138, 49898	2.9	0
327	First High-Resolution Emission Inventory of Levoglucosan for Biomass Burning and Non-Biomass Burning Sources in China. *Environmental Science & Technology*, **2021**, 55, 1497-1507	10.3	17
326	Distribution and emissions of trace elements in coal-fired power plants after ultra-low emission retrofitting. *Science of the Total Environment*, **2021**, 754, 142285	10.2	12
325	Switching to electric vehicles can lead to significant reductions of PM2.5 and NO2 across China. *One Earth*, **2021**, 4, 1037-1048	8.1	7
324	Predicting the Nonlinear Response of PM and Ozone to Precursor Emission Changes with a Response Surface Model. *Atmosphere*, **2021**, 12, 1-1044	2.7	4
323	Health Benefits of Emission Reduction under 1.5 ℃ Pathways Far Outweigh Climate-Related Variations in China. *Environmental Science & Technology*, **2021**,	10.3	4
322	Commodity plastic burning as a source of inhaled toxic aerosols. *Journal of Hazardous Materials*, **2021**, 416, 125820	12.8	8
321	Highly Resolved Inventory of Mercury Release to Water from Anthropogenic Sources in China. *Environmental Science & Technology*, **2021**, 55, 13860-13868	10.3	3
320	Mapping the daily nitrous acid (HONO) concentrations across China during 2006-2017 through ensemble machine-learning algorithm. *Science of the Total Environment*, **2021**, 785, 147325	10.2	5
319	Impacts of chlorine chemistry and anthropogenic emissions on secondary pollutants in the Yangtze river delta region. *Environmental Pollution*, **2021**, 287, 117624	9.3	3
318	The silver linings of mercury: Reconsideration of its impacts on living organisms from a multi-timescale perspective. *Environment International*, **2021**, 155, 106670	12.9	3

317	Source impact and contribution analysis of ambient ozone using multi-modeling approaches over the Pearl River Delta region, China. *Environmental Pollution*, **2021**, 289, 117860	9.3	4
316	Measurement and minutely-resolved source apportionment of ambient VOCs in a corridor city during 2019 China International Import Expo episode. *Science of the Total Environment*, **2021**, 798, 149375	10.2	3
315	Catalytic toluene steam reforming using Ni supported catalyst from pyrolytic peat. *Fuel Processing Technology*, **2021**, 224, 107032	7.2	2
314	Potential environmental risk of trace elements in fly ash and gypsum from ultra-low emission coal-fired power plants in China. *Science of the Total Environment*, **2021**, 798, 149116	10.2	7
313	Optimization of a NO and VOC Cooperative Control Strategy Based on Clean Air Benefits.. *Environmental Science & Technology*, **2021**,	10.3	4
312	Impacts of Anthropogenic Emissions and Meteorological Variation on Hg Wet Deposition in Chongming, China. *Atmosphere*, **2020**, 11, 1301	2.7	1
311	The quest for improved air quality may push China to continue its CO reduction beyond the Paris Commitment. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 29535-29542	11.5	36
310	Developing a statistical model to explain the observed decline of atmospheric mercury. *Atmospheric Environment*, **2020**, 243, 117868	5.3	2
309	Regional transport in Beijing-Tianjin-Hebei region and its changes during 2014-2017: The impacts of meteorology and emission reduction. *Science of the Total Environment*, **2020**, 737, 139792	10.2	42
308	Projection of ship emissions and their impact on air quality in 2030 in Yangtze River delta, China. *Environmental Pollution*, **2020**, 263, 114643	9.3	18
307	Quantification of the enhancement of PM concentration by the downward transport of ozone from the stratosphere. *Chemosphere*, **2020**, 255, 126907	8.4	7
306	Impact of ultra-low emission technology retrofit on the mercury emissions and cross-media transfer in coal-fired power plants. *Journal of Hazardous Materials*, **2020**, 396, 122729	12.8	25
305	Source and sectoral contribution analysis of PM based on efficient response surface modeling technique over Pearl River Delta Region of China. *Science of the Total Environment*, **2020**, 737, 139655	10.2	7
304	Progress of Air Pollution Control in China and Its Challenges and Opportunities in the Ecological Civilization Era. *Engineering*, **2020**, 6, 1423-1431	9.7	82
303	Real-time source contribution analysis of ambient ozone using an enhanced meta-modeling approach over the Pearl River Delta Region of China. *Journal of Environmental Management*, **2020**, 268, 110650	7.9	9
302	Chemical characteristics and sources of water-soluble organic aerosol in southwest suburb of Beijing. *Journal of Environmental Sciences*, **2020**, 95, 99-110	6.4	8
301	Deep Learning for Prediction of the Air Quality Response to Emission Changes. *Environmental Science & Technology*, **2020**, 54, 8589-8600	10.3	25
300	Wintertime Particulate Matter Decrease Buffered by Unfavorable Chemical Processes Despite Emissions Reductions in China. *Geophysical Research Letters*, **2020**, 47, e2020GL087721	4.9	18

299	Responses of gaseous sulfuric acid and particulate sulfate to reduced SO concentration: A perspective from long-term measurements in Beijing. *Science of the Total Environment*, **2020**, 721, 137700	10.2	16
298	Persistent Heavy Winter Nitrate Pollution Driven by Increased Photochemical Oxidants in Northern China. *Environmental Science & Technology*, **2020**, 54, 3881-3889	10.3	85
297	Large-scale optimization of multi-pollutant control strategies in the Pearl River Delta region of China using a genetic algorithm in machine learning. *Science of the Total Environment*, **2020**, 722, 137701	10.2	12
296	Contribution of Particulate Nitrate Photolysis to Heterogeneous Sulfate Formation for Winter Haze in China. *Environmental Science and Technology Letters*, **2020**, 7, 632-638	11	25
295	Subtropical Forests Act as Mercury Sinks but as Net Sources of Gaseous Elemental Mercury in South China. *Environmental Science & Technology*, **2020**, 54, 2772-2779	10.3	9
294	Pyrolysis char derived from waste peat for catalytic reforming of tar model compound. *Applied Energy*, **2020**, 263, 114565	10.7	11
293	Benefit of China's reduction in nitrogen oxides emission to natural ecosystems in East Asia with respect to critical load exceedance. *Environment International*, **2020**, 136, 105468	12.9	9
292	Magnetic mineral constraint on lead isotope variations of coal fly ash and its implications for source discrimination. *Science of the Total Environment*, **2020**, 713, 136320	10.2	6
291	Estimation of abatement potentials and costs of air pollution emissions in China. *Journal of Environmental Management*, **2020**, 260, 110069	7.9	10
290	Air quality and health co-benefits of China's national emission trading system. *Applied Energy*, **2020**, 261, 114226	10.7	24
289	Quantifying the emission changes and associated air quality impacts during the COVID-19 pandemic on the North China Plain: a response modeling study. *Atmospheric Chemistry and Physics*, **2020**, 20, 14347-14359	6.8	34
288	Chemical deactivation of Selective Catalytic Reduction catalyst: Investigating the influence and mechanism of SeO2 poisoning. *Fuel*, **2020**, 269, 117435	7.1	8
287	Impacts of COVID-19 response actions on air quality in China. *Environmental Research Communications*, **2020**, 2, 075003	3.1	19
286	A WRF-Chem model-based future vehicle emission control policy simulation and assessment for the Beijing-Tianjin-Hebei region, China. *Journal of Environmental Management*, **2020**, 253, 109751	7.9	12
285	Promoting SO Resistance of a CeO(5)-WO(9)/TiO Catalyst for Hg Oxidation via Adjusting the Basicity and Acidity Sites Using a CuO Doping Method. *Environmental Science & Technology*, **2020**, 54, 1889-1897	10.3	22
284	Mercury accumulation in soil from atmospheric deposition in temperate steppe of Inner Mongolia, China. *Environmental Pollution*, **2020**, 258, 113692	9.3	7
283	Revealing the impacts of transboundary pollution on PM-related deaths in China. *Environment International*, **2020**, 134, 105323	12.9	17
282	Modeling the heterogeneous oxidation of elemental mercury by chlorine in flue gas. *Fuel*, **2020**, 262, 116506	7.1	11

281	Health benefits of on-road transportation pollution control programs in China. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 25370-25377	11.5	13
280	Reactivity and deactivation mechanisms of toluene reforming over waste peat char-supported Fe/Ni/Ca catalyst. *Fuel*, **2020**, 271, 117517	7.1	15
279	Sources of gaseous NH in urban Beijing from parallel sampling of NH and NH, their nitrogen isotope measurement and modeling. *Science of the Total Environment*, **2020**, 747, 141361	10.2	17
278	Synthesis and evaluation of pyrolysis waste peat char supported catalyst for steam reforming of toluene. *Renewable Energy*, **2020**, 160, 964-973	8.1	4
277	Gaseous and Particulate Chlorine Emissions From Typical Iron and Steel Industry in China. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD032729	4.4	5
276	Study of Secondary Organic Aerosol Formation from Chlorine Radical-Initiated Oxidation of Volatile Organic Compounds in a Polluted Atmosphere Using a 3D Chemical Transport Model. *Environmental Science & Technology*, **2020**, 54, 13409-13418	10.3	12
275	Importance of Wintertime Anthropogenic Glyoxal and Methylglyoxal Emissions in Beijing and Implications for Secondary Organic Aerosol Formation in Megacities. *Environmental Science & Technology*, **2020**, 54, 11809-11817	10.3	15
274	Data assimilation of ambient concentrations of multiple air pollutants using an emission-concentration response modeling framework. *Atmosphere*, **2020**, 11,	2.7	5
273	Impacts of improved modeling resolution on the simulation of meteorology, air quality, and human exposure to PM2.5, O3 in Beijing, China. *Journal of Cleaner Production*, **2020**, 243, 118574	10.3	17
272	Sulfur trioxide emissions from coal-fired power plants in China and implications on future control. *Fuel*, **2020**, 261, 116438	7.1	16
271	What Factors Drive Air Pollutants in China? An Analysis from the Perspective of Regional Difference Using a Combined Method of Production Decomposition Analysis and Logarithmic Mean Divisia Index. *Sustainability*, **2019**, 11, 4650	3.6	8
270	Substantial ozone enhancement over the North China Plain from increased biogenic emissions due to heat waves and land cover in summer 2017 **2019**,		1
269	Transition in source contributions of PM exposure and associated premature mortality in China during 2005-2015. *Environment International*, **2019**, 132, 105111	12.9	54
268	Assessing the impact of clean air action on air quality trends in Beijing using a machine learning technique. *Atmospheric Chemistry and Physics*, **2019**, 19, 11303-11314	6.8	89
267	Climate-driven trends of biogenic volatile organic compound emissions and their impacts on summertime ozone and secondary organic aerosol in China in the 2050s. *Atmospheric Environment*, **2019**, 218, 117020	5.3	21
266	Nonlinear relationships between air pollutant emissions and PM-related health impacts in the Beijing-Tianjin-Hebei region. *Science of the Total Environment*, **2019**, 661, 375-385	10.2	32
265	Seesaw haze pollution in North China modulated by the sub-seasonal variability of atmospheric circulation. *Atmospheric Chemistry and Physics*, **2019**, 19, 565-576	6.8	34
264	A novel TiO/biochar composite catalysts for photocatalytic degradation of methyl orange. *Chemosphere*, **2019**, 222, 391-398	8.4	134

263	Contributions of inter-city and regional transport to PM concentrations in the Beijing-Tianjin-Hebei region and its implications on regional joint air pollution control. *Science of the Total Environment*, **2019**, 660, 1191-1200	10.2	86
262	Development of a unit-based industrial emission inventory in the Beijing□Tianjin□Hebei region and resulting improvement in air quality modeling. *Atmospheric Chemistry and Physics*, **2019**, 19, 3447-3462	6.8	36
261	The influence of spatiality on shipping emissions, air quality and potential human exposure in the Yangtze River Delta/Shanghai, China. *Atmospheric Chemistry and Physics*, **2019**, 19, 6167-6183	6.8	50
260	Estimated Contributions of Emissions Controls, Meteorological Factors, Population Growth, and Changes in Baseline Mortality to Reductions in Ambient [Formula: see text] and [Formula: see text]-Related Mortality in China, 2013-2017. *Environmental Health Perspectives*, **2019**, 127, 67009	8.4	111
259	Measure-Specific Effectiveness of Air Pollution Control on China's Atmospheric Mercury Concentration and Deposition during 2013-2017. *Environmental Science & Technology*, **2019**, 53, 8938-8946	10.3	50
258	Modeling the impact of heterogeneous reactions of chlorine on summertime nitrate formation in Beijing, China. *Atmospheric Chemistry and Physics*, **2019**, 19, 6737-6747	6.8	20
257	Air Pollution and Lung Cancer Risks **2019**, 29-40		1
256	Least-cost control strategy optimization for air quality attainment of Beijing-Tianjin-Hebei region in China. *Journal of Environmental Management*, **2019**, 245, 95-104	7.9	16
255	Effects of air pollution control measures on air quality improvement in Guangzhou, China. *Journal of Environmental Management*, **2019**, 244, 127-137	7.9	33
254	Determination of the stable carbon isotopic compositions of 2-methyltetrols for four forest areas in Southwest China: The implications for the □ values of atmospheric isoprene and C/C vegetation distribution. *Science of the Total Environment*, **2019**, 678, 780-792	10.2	4
253	Measurement of size-fractionated particulate-bound mercury in Beijing and implications on sources and dry deposition of mercury. *Science of the Total Environment*, **2019**, 675, 176-183	10.2	9
252	Understanding of Aerosol□Climate Interactions in China: Aerosol Impacts on Solar Radiation, Temperature, Cloud, and Precipitation and Its Changes Under Future Climate and Emission Scenarios. *Current Pollution Reports*, **2019**, 5, 36-51	7.6	20
251	Mercury speciation, transformation, and transportation in soils, atmospheric flux, and implications for risk management: A critical review. *Environment International*, **2019**, 126, 747-761	12.9	149
250	Gasification of coal and biomass as a net carbon-negative power source for environment-friendly electricity generation in China. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 8206-8213	11.5	36
249	Source contribution analysis of mercury deposition using an enhanced CALPUFF-Hg in the central Pearl River Delta, China. *Environmental Pollution*, **2019**, 250, 1032-1043	9.3	6
248	Ammonia emission control in China would mitigate haze pollution and nitrogen deposition, but worsen acid rain. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 7760-7765	11.5	172
247	Possible heterogeneous chemistry of hydroxymethanesulfonate (HMS) in northern China winter haze. *Atmospheric Chemistry and Physics*, **2019**, 19, 1357-1371	6.8	63
246	Assessing the impact of Clean Air Action Plan on Air Quality Trends in Beijing Megacity using a machine learning technique **2019**,		1

245	Air Pollutants are associated with Dry Eye Disease in Urban Ophthalmic Outpatients: a Prevalence Study in China. *Journal of Translational Medicine*, **2019**, 17, 46	8.5	23
244	Synthesis of calcium materials in biochar matrix as a highly stable catalyst for biodiesel production. *Renewable Energy*, **2019**, 130, 41-49	8.1	59
243	Comparison of water-soluble inorganic ions and trace metals in PM2.5 between online and offline measurements in Beijing during winter. *Atmospheric Pollution Research*, **2019**, 10, 1755-1765	4.5	27
242	Nitrate dominates the chemical composition of PM during haze event in Beijing, China. *Science of the Total Environment*, **2019**, 689, 1293-1303	10.2	98
241	Sources of black carbon in the atmosphere and in snow in the Arctic. *Science of the Total Environment*, **2019**, 691, 442-454	10.2	11
240	High efficiency of livestock ammonia emission controls in alleviating particulate nitrate during a severe winter haze episode in northern China. *Atmospheric Chemistry and Physics*, **2019**, 19, 5605-5613	6.8	34
239	Time-Resolved Intermediate-Volatility and Semivolatile Organic Compound Emissions from Household Coal Combustion in Northern China. *Environmental Science & Technology*, **2019**, 53, 9269-9278	10.3	18
238	A land use regression model of nitrogen dioxide and fine particulate matter in a complex urban core in Lanzhou, China. *Environmental Research*, **2019**, 177, 108597	7.9	10
237	Significant impact of heterogeneous reactions of reactive chlorine species on summertime atmospheric ozone and free-radical formation in north China. *Science of the Total Environment*, **2019**, 693, 133580	10.2	16
236	Behavior of Sulfur Oxides in Nonferrous Metal Smelters and Implications on Future Control and Emission Estimation. *Environmental Science & Technology*, **2019**, 53, 8796-8804	10.3	12
235	A Review on Adsorption Technologies for Mercury Emission Control. *Bulletin of Environmental Contamination and Toxicology*, **2019**, 103, 155-162	2.7	9
234	Impacts of emissions and meteorological changes on China's ozone pollution in the warm seasons of 2013 and 2017. *Frontiers of Environmental Science and Engineering*, **2019**, 13, 1	5.8	29
233	Impacts of U.S. Carbon Tariffs on China's Foreign Trade and Social Welfare. *Sustainability*, **2019**, 11, 5278	3.6	2
232	What Influences the Cross-Border Air Pollutant Transfer in China–United States Trade: A Comparative Analysis Using the Extended IO-SDA Method. *Sustainability*, **2019**, 11, 6252	3.6	2
231	Thermodynamic Modeling Suggests Declines in Water Uptake and Acidity of Inorganic Aerosols in Beijing Winter Haze Events during 2014/2015–2018/2019. *Environmental Science and Technology Letters*, **2019**, 6, 752-760	11	35
230	Large-scale meteorological control on the spatial pattern of wintertime PM2.5 pollution over China. *Atmospheric Science Letters*, **2019**, 20, e938	2.4	3
229	Fossil fuel combustion and biomass burning sources of global black carbon from GEOS-Chem simulation and carbon isotope measurements. *Atmospheric Chemistry and Physics*, **2019**, 19, 11545-11557	6.8	9
228	Substantial ozone enhancement over the North China Plain from increased biogenic emissions due to heat waves and land cover in summer 2017. *Atmospheric Chemistry and Physics*, **2019**, 19, 12195-12207	6.8	43

227	Decomposition Analysis of Factors that Drive the Changes of Major Air Pollutant Emissions in China at a Multi-Regional Level. *Sustainability*, **2019**, 11, 7113	3.6	1
226	Primary Suppliers Driving Atmospheric Mercury Emissions through Global Supply Chains. *One Earth*, **2019**, 1, 254-266	8.1	25
225	Development and application of observable response indicators for design of an effective ozone and fine particle pollution control strategy in China. *Atmospheric Chemistry and Physics*, **2019**, 19, 13627-13646	6.8	21
224	Drivers of improved PM air quality in China from 2013 to 2017. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 24463-24469	11.5	578
223	Air quality and health benefits from fleet electrification in China. *Nature Sustainability*, **2019**, 2, 962-971	22.1	73
222	Significant reduction in air pollutant emissions from household cooking stoves by replacing raw solid fuels with their carbonized products. *Science of the Total Environment*, **2019**, 650, 653-660	10.2	24
221	The Hidden Hazard of Household Air Pollution in Rural China. *Environmental Science and Policy*, **2019**, 93, 27-33	6.2	22
220	Analysis of volatile organic compounds using cryogen-free thermal modulation based comprehensive two-dimensional gas chromatography coupled with quadrupole mass spectrometry. *Journal of Chromatography A*, **2019**, 1587, 227-238	4.5	10
219	Calculation and decomposition of China's embodied air pollutants in Sino-US trade. *Journal of Cleaner Production*, **2019**, 209, 978-994	10.3	21
218	Personal exposure to PM in Chinese rural households in the Yangtze River Delta. *Indoor Air*, **2019**, 29, 403-412	5.4	7
217	Health benefit assessment of PM reduction in Pearl River Delta region of China using a model-monitor data fusion approach. *Journal of Environmental Management*, **2019**, 233, 489-498	7.9	27
216	Exploration of reaction mechanism between acid gases and elemental mercury on the CeO2WO3/TiO2 catalyst via in situ DRIFTS. *Fuel*, **2019**, 239, 162-172	7.1	28
215	Regional differences in impacts of economic growth and urbanization on air pollutants in China based on provincial panel estimation. *Journal of Cleaner Production*, **2019**, 208, 340-352	10.3	55
214	Characteristics and sources of aerosol pollution at a polluted rural site southwest in Beijing, China. *Science of the Total Environment*, **2018**, 626, 519-527	10.2	22
213	Development and case study of a new-generation model-VAT for analyzing the boundary conditions influence on atmospheric mercury simulation. *Frontiers of Environmental Science and Engineering*, **2018**, 12, 1	5.8	1
212	Insights on Chemistry of Mercury Species in Clouds over Northern China: Complexation and Adsorption. *Environmental Science & Technology*, **2018**, 52, 5125-5134	10.3	12
211	The collective contribution of Chinese cities to territorial and electricity-related CO2 emissions. *Journal of Cleaner Production*, **2018**, 189, 910-921	10.3	19
210	Anthropogenic Emissions of Hydrogen Chloride and Fine Particulate Chloride in China. *Environmental Science & Technology*, **2018**, 52, 1644-1654	10.3	51

209	Linking science and policy to support the implementation of the Minamata Convention on Mercury. *Ambio*, **2018**, 47, 198-215	6.5	56
208	Improving Flue Gas Mercury Removal in Waste Incinerators by Optimization of Carbon Injection Rate. *Environmental Science & Technology*, **2018**, 52, 1940-1945	10.3	12
207	Sulfur-modified rice husk biochar: A green method for the remediation of mercury contaminated soil. *Science of the Total Environment*, **2018**, 621, 819-826	10.2	145
206	Introduction: Air Pollution in China. *China Quarterly*, **2018**, 234, 279-298	1	25
205	A Highly Resolved Mercury Emission Inventory of Chinese Coal-Fired Power Plants. *Environmental Science & Technology*, **2018**, 52, 2400-2408	10.3	100
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