Zhijiong Huang

List of Publications by Citations

38	810	15	28
papers	citations	h-index	g-index
42	1,109	8.1	4.1
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
38	Ambient Ozone Control in a Photochemically Active Region: Short-Term Despiking or Long-Term Attainment?. *Environmental Science & Technology*, **2016**, 50, 5720-8	10.3	103
37	An AIS-based high-resolution ship emission inventory and its uncertainty in Pearl River Delta region, China. *Science of the Total Environment*, **2016**, 573, 1-10	10.2	68
36	Recent developments of anthropogenic air pollutant emission inventories in Guangdong province, China. *Science of the Total Environment*, **2018**, 627, 1080-1092	10.2	58
35	A refined 2010-based VOC emission inventory and its improvement on modeling regional ozone in the Pearl River Delta Region, China. *Science of the Total Environment*, **2015**, 514, 426-38	10.2	49
34	Decadal changes in emissions of volatile organic compounds (VOCs) from on-road vehicles with intensified automobile pollution control: Case study in a busy urban tunnel in south China. *Environmental Pollution*, **2018**, 233, 806-819	9.3	48
33	Sector-based VOCs emission factors and source profiles for the surface coating industry in the Pearl River Delta region of China. *Science of the Total Environment*, **2017**, 583, 19-28	10.2	45
32	Demand-driven air pollutant emissions for a fast-developing region in China. *Applied Energy*, **2017**, 204, 131-142	10.7	41
31	Using cell phone location to assess misclassification errors in air pollution exposure estimation. *Environmental Pollution*, **2018**, 233, 261-266	9.3	41
30	Source contributions to PM2.5 in Guangdong province, China by numerical modeling: Results and implications. *Atmospheric Research*, **2017**, 186, 63-71	5.4	38
29	Quantitative impacts of meteorology and precursor emission changes on the long-term trend of ambient ozone over the Pearl River Delta, China, and implications for ozone control strategy. *Atmospheric Chemistry and Physics*, **2019**, 19, 12901-12916	6.8	32
28	Evolution of anthropogenic air pollutant emissions in Guangdong Province, China, from 2006 to 2015. *Atmospheric Chemistry and Physics*, **2019**, 19, 11701-11719	6.8	30
27	Neutral polyfluoroalkyl substances in the atmosphere over the northern South China Sea. *Environmental Pollution*, **2016**, 214, 449-455	9.3	27
26	Anthropogenic atmospheric toxic metals emission inventory and its spatial characteristics in Guangdong province, China. *Science of the Total Environment*, **2019**, 670, 1146-1158	10.2	25
25	Decadal evolution of ship emissions in China from 2004 to 2013 by using an integrated AIS-based approach and projection to 2040. *Atmospheric Chemistry and Physics*, **2018**, 18, 6075-6093	6.8	24
24	Modeling inorganic nitrogen deposition in Guangdong province, China. *Atmospheric Environment*, **2015**, 109, 147-160	5.3	18
23	Characteristics of inorganic aerosol formation over ammonia-poor and ammonia-rich areas in the Pearl River Delta region, China. *Atmospheric Environment*, **2018**, 177, 120-131	5.3	15
22	Regional discrepancies in spatiotemporal variations and driving forces of open crop residue burning emissions in China. *Science of the Total Environment*, **2019**, 671, 536-547	10.2	14

21	Quantifying the impact of daily mobility on errors in air pollution exposure estimation using mobile phone location data. *Environment International*, **2020**, 141, 105772	12.9	13
20	Characterization of particulate smoke and the potential chemical fingerprint of non-road construction equipment exhaust emission in China. *Science of the Total Environment*, **2020**, 723, 137967	10.2	12
19	Top-down estimates of benzene and toluene emissions in the Pearl River Delta and Hong Kong, China. *Atmospheric Chemistry and Physics*, **2016**, 16, 3369-3382	6.8	12
18	Role of export industries on ozone pollution and its precursors in China. *Nature Communications*, **2020**, 11, 5492	17.4	11
17	Process Contributions to Secondary Inorganic Aerosols during Typical Pollution Episodes over the Pearl River Delta Region, China. *Aerosol and Air Quality Research*, **2016**, 16, 2129-2144	4.6	11
16	A New Combined Stepwise-Based High-Order Decoupled Direct and Reduced-Form Method To Improve Uncertainty Analysis in PM Simulations. *Environmental Science & Technology*, **2017**, 51, 3852-3859	10.3	10
15	An updated model-ready emission inventory for Guangdong Province by incorporating big data and mapping onto multiple chemical mechanisms. *Science of the Total Environment*, **2021**, 769, 144535	10.2	10
14	A Feasible Methodological Framework for Uncertainty Analysis and Diagnosis of Atmospheric Chemical Transport Models. *Environmental Science & Technology*, **2019**, 53, 3110-3118	10.3	8
13	A newly integrated dataset of volatile organic compounds (VOCs) source profiles and implications for the future development of VOCs profiles in China. *Science of the Total Environment*, **2021**, 793, 148348	10.2	8
12	Characterization of VOC emissions from construction machinery and river ships in the Pearl River Delta of China. *Journal of Environmental Sciences*, **2020**, 96, 138-150	6.4	7
11	Reconciling discrepancies in the source characterization of VOCs between emission inventories and receptor modeling. *Science of the Total Environment*, **2018**, 628-629, 697-706	10.2	7
10	Variability in real-world emissions and fuel consumption by diesel construction vehicles and policy implications. *Science of the Total Environment*, **2021**, 786, 147256	10.2	5
9	An optimized data fusion method and its application to improve lateral boundary conditions in winter for Pearl River Delta regional PM2.5 modeling, China. *Atmospheric Environment*, **2018**, 180, 59-68	5.3	4
8	Quantification of Regional Ozone Pollution Characteristics and Its Temporal Evolution: Insights from Identification of the Impacts of Meteorological Conditions and Emissions. *Atmosphere*, **2021**, 12, 279	2.7	4
7	Insight into the characteristics of carbonaceous aerosols at urban and regional sites in the downwind area of Pearl River Delta region, China. *Science of the Total Environment*, **2021**, 778, 146251	10.2	4
6	Near-real-time estimation of hourly open biomass burning emissions in China using multiple satellite retrievals.. *Science of the Total Environment*, **2022**, 817, 152777	10.2	3
5	A Dynamic Dust Emission Allocation Method and Holiday Profiles Applied to Emission Processing for Improving Air Quality Model Performance. *Aerosol and Air Quality Research*, **2019**, 19, 2531-2542	4.6	2
4	Quantitative impacts of meteorology and precursor emission changes on the long-term trend of ambient ozone over the Pearl River Delta, China and implications for ozone control strategy **2019**,		1

3	Emission source-based ozone isopleth and isosurface diagrams and their significance in ozone pollution control strategies. *Journal of Environmental Sciences*, **2021**, 105, 138-149	6.4	1
2	The impact of chlorine chemistry combined with heterogeneous N₂O₅ reactions on air quality in China. *Atmospheric Chemistry and Physics*, **2022**, 22, 3743-3762	6.8	0
1	A meteorologically adjusted ensemble Kalman filter approach for inversing daily emissions: A case study in the Pearl River Delta, China.. *Journal of Environmental Sciences*, **2022**, 114, 233-248	6.4	