

Zhijiong Huang

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.

38

papers

810

citations

15

h-index

28

g-index

42

ext. papers

1,109

ext. citations

8.1

avg, IF

4.1

L-index

#	Paper	IF	Citations
38	Near-real-time estimation of hourly open biomass burning emissions in China using multiple satellite retrievals.. <i>Science of the Total Environment</i> , 2022 , 817, 152777	10.2	3
37	A meteorologically adjusted ensemble Kalman filter approach for inverting daily emissions: A case study in the Pearl River Delta, China.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 233-248	6.4	
36	The impact of chlorine chemistry combined with heterogeneous N<sub>2</sub><sub>O<sub>5</sub> reactions on air quality in China. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 3743-3762	6.8	0
35	An updated model-ready emission inventory for Guangdong Province by incorporating big data and mapping onto multiple chemical mechanisms. <i>Science of the Total Environment</i> , 2021 , 769, 144535	10.2	10
34	Emission source-based ozone isopleth and isosurface diagrams and their significance in ozone pollution control strategies. <i>Journal of Environmental Sciences</i> , 2021 , 105, 138-149	6.4	1
33	Quantification of Regional Ozone Pollution Characteristics and Its Temporal Evolution: Insights from Identification of the Impacts of Meteorological Conditions and Emissions. <i>Atmosphere</i> , 2021 , 12, 279	2.7	4
32	Insight into the characteristics of carbonaceous aerosols at urban and regional sites in the downwind area of Pearl River Delta region, China. <i>Science of the Total Environment</i> , 2021 , 778, 146251	10.2	4
31	Variability in real-world emissions and fuel consumption by diesel construction vehicles and policy implications. <i>Science of the Total Environment</i> , 2021 , 786, 147256	10.2	5
30	A newly integrated dataset of volatile organic compounds (VOCs) source profiles and implications for the future development of VOCs profiles in China. <i>Science of the Total Environment</i> , 2021 , 793, 148348	10.2	8
29	Characterization of VOC emissions from construction machinery and river ships in the Pearl River Delta of China. <i>Journal of Environmental Sciences</i> , 2020 , 96, 138-150	6.4	7
28	Characterization of particulate smoke and the potential chemical fingerprint of non-road construction equipment exhaust emission in China. <i>Science of the Total Environment</i> , 2020 , 723, 137967	10.2	12
27	Quantifying the impact of daily mobility on errors in air pollution exposure estimation using mobile phone location data. <i>Environment International</i> , 2020 , 141, 105772	12.9	13
26	Role of export industries on ozone pollution and its precursors in China. <i>Nature Communications</i> , 2020 , 11, 5492	17.4	11
25	Evolution of anthropogenic air pollutant emissions in Guangdong Province, China, from 2006 to 2015. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11701-11719	6.8	30
24	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
23	Regional discrepancies in spatiotemporal variations and driving forces of open crop residue burning emissions in China. <i>Science of the Total Environment</i> , 2019 , 671, 536-547	10.2	14
22	Anthropogenic atmospheric toxic metals emission inventory and its spatial characteristics in Guangdong province, China. <i>Science of the Total Environment</i> , 2019 , 670, 1146-1158	10.2	25

21	A Dynamic Dust Emission Allocation Method and Holiday Profiles Applied to Emission Processing for Improving Air Quality Model Performance. <i>Aerosol and Air Quality Research</i> , 2019 , 19, 2531-2542	4.6	2
20	A Feasible Methodological Framework for Uncertainty Analysis and Diagnosis of Atmospheric Chemical Transport Models. <i>Environmental Science & Technology</i> , 2019 , 53, 3110-3118	10.3	8
19	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. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12901-12916	6.8	32
18	Reconciling discrepancies in the source characterization of VOCs between emission inventories and receptor modeling. <i>Science of the Total Environment</i> , 2018 , 628-629, 697-706	10.2	7
17	Characteristics of inorganic aerosol formation over ammonia-poor and ammonia-rich areas in the Pearl River Delta region, China. <i>Atmospheric Environment</i> , 2018 , 177, 120-131	5.3	15
16	Recent developments of anthropogenic air pollutant emission inventories in Guangdong province, China. <i>Science of the Total Environment</i> , 2018 , 627, 1080-1092	10.2	58
15	An optimized data fusion method and its application to improve lateral boundary conditions in winter for Pearl River Delta regional PM2.5 modeling, China. <i>Atmospheric Environment</i> , 2018 , 180, 59-68	5.3	4
14	Decadal evolution of ship emissions in China from 2004 to 2013 by using an integrated AIS-based approach and projection to 2040. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 6075-6093	6.8	24
13	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. <i>Environmental Pollution</i> , 2018 , 233, 806-819	9.3	48
12	Using cell phone location to assess misclassification errors in air pollution exposure estimation. <i>Environmental Pollution</i> , 2018 , 233, 261-266	9.3	41
11	Sector-based VOCs emission factors and source profiles for the surface coating industry in the Pearl River Delta region of China. <i>Science of the Total Environment</i> , 2017 , 583, 19-28	10.2	45
10	A New Combined Stepwise-Based High-Order Decoupled Direct and Reduced-Form Method To Improve Uncertainty Analysis in PM Simulations. <i>Environmental Science & Technology</i> , 2017 , 51, 3852-3859	10.3	10
9	Source contributions to PM2.5 in Guangdong province, China by numerical modeling: Results and implications. <i>Atmospheric Research</i> , 2017 , 186, 63-71	5.4	38
8	Demand-driven air pollutant emissions for a fast-developing region in China. <i>Applied Energy</i> , 2017 , 204, 131-142	10.7	41
7	An AIS-based high-resolution ship emission inventory and its uncertainty in Pearl River Delta region, China. <i>Science of the Total Environment</i> , 2016 , 573, 1-10	10.2	68
6	Top-down estimates of benzene and toluene emissions in the Pearl River Delta and Hong Kong, China. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 3369-3382	6.8	12
5	Neutral polyfluoroalkyl substances in the atmosphere over the northern South China Sea. <i>Environmental Pollution</i> , 2016 , 214, 449-455	9.3	27
4	Process Contributions to Secondary Inorganic Aerosols during Typical Pollution Episodes over the Pearl River Delta Region, China. <i>Aerosol and Air Quality Research</i> , 2016 , 16, 2129-2144	4.6	11

3	Ambient Ozone Control in a Photochemically Active Region: Short-Term Despiking or Long-Term Attainment?. <i>Environmental Science & Technology</i> , 2016 , 50, 5720-8	10.3	103
2	Modeling inorganic nitrogen deposition in Guangdong province, China. <i>Atmospheric Environment</i> , 2015 , 109, 147-160	5.3	18
1	A refined 2010-based VOC emission inventory and its improvement on modeling regional ozone in the Pearl River Delta Region, China. <i>Science of the Total Environment</i> , 2015 , 514, 426-38	10.2	49