

Zhijiong Huang

List of Publications by Year in descending order

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40
papers

1,397
citations

331538

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37
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42
docs citations

42
times ranked

1380
citing authors

#	ARTICLE	IF	CITATIONS
1	Ambient Ozone Control in a Photochemically Active Region: Short-Term Despiking or Long-Term Attainment?. <i>Environmental Science & Technology</i> , 2016, 50, 5720-5728.	4.6	159
2	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.	3.9	94
3	Recent developments of anthropogenic air pollutant emission inventories in Guangdong province, China. <i>Science of the Total Environment</i> , 2018, 627, 1080-1092.	3.9	88
4	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.	3.9	78
5	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.	3.7	74
6	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.	1.9	73
7	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.	3.9	69
8	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, 426-438.	3.9	66
9	Evolution of anthropogenic air pollutant emissions in Guangdong Province, China, from 2006 to 2015. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11701-11719.	1.9	56
10	Using cell phone location to assess misclassification errors in air pollution exposure estimation. <i>Environmental Pollution</i> , 2018, 233, 261-266.	3.7	54
11	Demand-driven air pollutant emissions for a fast-developing region in China. <i>Applied Energy</i> , 2017, 204, 131-142.	5.1	52
12	Source contributions to PM _{2.5} in Guangdong province, China by numerical modeling: Results and implications. <i>Atmospheric Research</i> , 2017, 186, 63-71.	1.8	47
13	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.	3.9	45
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.	1.9	38
15	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.	3.9	35
16	Neutral polyfluoroalkyl substances in the atmosphere over the northern South China Sea. <i>Environmental Pollution</i> , 2016, 214, 449-455.	3.7	34
17	Role of export industries on ozone pollution and its precursors in China. <i>Nature Communications</i> , 2020, 11, 5492.	5.8	30
18	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.	4.8	30

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19	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.	3.2	25
20	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.	3.9	25
21	Modeling inorganic nitrogen deposition in Guangdong province, China. <i>Atmospheric Environment</i> , 2015, 109, 147-160.	1.9	23
22	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.	3.9	21
23	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.	1.9	19
24	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.	3.9	19
25	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.	1.9	18
26	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.	0.9	16
27	A Feasible Methodological Framework for Uncertainty Analysis and Diagnosis of Atmospheric Chemical Transport Models. <i>Environmental Science & Technology</i> , 2019, 53, 3110-3118.	4.6	15
28	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.	3.9	14
29	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.	3.9	13
30	A New Combined Stepwise-Based High-Order Decoupled Direct and Reduced-Form Method To Improve Uncertainty Analysis in PM _{2.5} Simulations. <i>Environmental Science & Technology</i> , 2017, 51, 3852-3859.	4.6	12
31	Budget of nitrous acid (HONO) at an urban site in the fall season of Guangzhou, China. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8951-8971.	1.9	12
32	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.	3.9	10
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.	1.0	8
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.	3.2	6
35	An optimized data fusion method and its application to improve lateral boundary conditions in winter for Pearl River Delta regional PM _{2.5} modeling, China. <i>Atmospheric Environment</i> , 2018, 180, 59-68.	1.9	5
36	Status and quality evaluation of precursor emission inventories for PM _{2.5} and ozone in China. <i>Chinese Science Bulletin</i> , 2022, 67, 1978-1994.	0.4	4

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37	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.	0.9	3
38	Progress of the stable carbon and radiocarbon isotopes of black carbon aerosol. <i>Chinese Science Bulletin</i> , 2020, 65, 4095-4106.	0.4	2
39	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.	3.2	2
40	The impact of chlorine chemistry combined with heterogeneous N ₂ O ₅ reactions on air quality in China. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3743-3762.	1.9	2