# Zhen Wang

List of Publications by Year
in descending order



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|---|---|---|---|
| 75 papers | 1,738 citations | 218592 26 h-index | 330025 37 g-index |
| 76 all docs | 76 docs citations | 76 times ranked | 1596 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | How do urbanization and consumption patterns affect carbon emissions in China? A decomposition analysis. Journal of Cleaner Production, 2019, 211, 1201-1208. | 4.6 | 108 |
| 2 | In situ electrochemical conversion of CO <sub>2</sub> in molten salts to advanced energy materials with reduced carbon emissions. Science Advances, 2020, 6, eaay9278. | 4.7 | 80 |
| 3 | Twenty years of global groundwater research: A Science Citation Index Expanded-based bibliometric survey (1993â€“2012). Journal of Hydrology, 2014, 519, 966-975. | 2.3 | 67 |
| 4 | Pollution haven hypothesis of domestic trade in China: A perspective of SO2 emissions. Science of the Total Environment, 2019, 663, 198-205. | 3.9 | 62 |
| 5 | What medical waste management system may cope With COVID-19 pandemic: Lessons from Wuhan. Resources, Conservation and Recycling, 2021, 170, 105600. | 5.3 | 61 |
| 6 | Global trends in sediment-related research in earth science during 1992â€“2011: a bibliometric analysis. Scientometrics, 2014, 98, 511-529. | 1.6 | 56 |
| 7 | Cleaner heating choices in northern rural China: Household factors and the dual substitution policy. Journal of Environmental Management, 2019, 249, 109433. | 3.8 | 56 |
| 8 | Controlling embedded carbon emissions of sectors along the supply chains: A perspective of the power-of-pull approach. Applied Energy, 2017, 206, 1544-1551. | 5.1 | 47 |
| 9 | Mixed uncertainty analysis of polycyclic aromatic hydrocarbon inhalation and risk assessment in ambient air of Beijing. Journal of Environmental Sciences, 2008, 20, 505-512. | 3.2 | 46 |
| 10 | Escaping from pollution: the effect of air quality on inter-city population mobility in China. Environmental Research Letters, 2019, 14, 124025. | 2.2 | 45 |
| 11 | Do compact cities have higher efficiencies of agglomeration economies? A dynamic panel model with compactness indicators. Land Use Policy, 2022, 115, 106005. | 2.5 | 43 |
| 12 | Evolution of online public opinions on social impact induced by NIMBY facility. Environmental Impact Assessment Review, 2019, 78, 106290. | 4.4 | 41 |
| 13 | Impacts of the COVID-19 event on the NOx emissions of key polluting enterprises in China. Applied Energy, 2021, 281, 116042. | 5.1 | 41 |
| 14 | The potential for soil erosion control associated with socio-economic development in the hilly red soil region, southern China. Catena, 2020, 194, 104678. | 2.2 | 41 |
| 15 | Predicting lake water quality responses to load reduction: a three-dimensional modeling approach for total maximum daily load. International Journal of Environmental Science and Technology, 2014, 11, 423-436. | 1.8 | 38 |
| 16 | Drivers of provincial SO2 emissions in China â€“ Based on multi-regional input-output analysis. Journal of Cleaner Production, 2019, 238, 117893. | 4.6 | 35 |
| 17 | Chemical Characteristics of Water-Soluble Ions in Particulate Matter in Three Metropolitan Areas in the North China Plain. PLoS ONE, 2014, 9, e113831. | 1.1 | 34 |
| 18 | Enhanced removal of bisphenol-AF onto chitosan-modified zeolite by sodium cholate in aqueous solutions. Carbohydrate Polymers, 2015, 130, 364-371. | 5.1 | 32 |

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|---|---|---|---|
| 19 | Industry relocation or emission relocation? Visualizing and decomposing the dislocation between China's economy and carbon emissions. Journal of Cleaner Production, 2019, 208, 1109-1119. | 4.6 | 32 |
| 20 | Sectoral energy-environmental efficiency and its influencing factors in China: Based on S-U-SBM model and panel regression model. Journal of Cleaner Production, 2018, 182, 545-552. | 4.6 | 31 |
| 21 | Critical sectors and paths for climate change mitigation within supply chain networks. Journal of Environmental Management, 2018, 226, 30-36. | 3.8 | 31 |
| 22 | Driving Forces Analysis for Residential Housing Price in Beijing. Procedia Environmental Sciences, 2010, 2, 925-936. | 1.3 | 30 |
| 23 | Application of oxalic acid cross-linking activated alumina/chitosan biocomposites in defluoridation from aqueous solution. Investigation of adsorption mechanism. Chemical Engineering Journal, 2013, 225, 865-872. | 6.6 | 30 |
| 24 | CO2 emissions and their spatial patterns of Xinjiang cities in China. Applied Energy, 2019, 252, 113473. | 5.1 | 30 |
| 25 | Production- and consumption-based convergence analyses of global CO2 emissions. Journal of Cleaner Production, 2020, 264, 121723. | 4.6 | 30 |
| 26 | Rising middle and rich classes drove China's carbon emissions. Resources, Conservation and Recycling, 2020, 159, 104839. | 5.3 | 30 |
| 27 | Identify sectorsâ€™ role on the embedded CO 2 transfer networks through Chinaâ€™s regional trade. Ecological Indicators, 2017, 80, 114-123. | 2.6 | 29 |
| 28 | A synthesized approach for estimating the C-factor of RUSLE for a mixed-landscape watershed: A case study in the Gongshui watershed, southern China. Agriculture, Ecosystems and Environment, 2020, 301, 107009. | 2.5 | 29 |
| 29 | Analysis of driving factors on China's industrial solid waste generation: Insights from critical supply chains. Science of the Total Environment, 2021, 775, 145185. | 3.9 | 29 |
| 30 | Child-trafficking networks of illegal adoption in China. Nature Sustainability, 2018, 1, 254-260. | 11.5 | 27 |
| 31 | A DPSIR Model for Ecological Security Assessment through Indicator Screening: A Case Study at Dianchi Lake in China. PLoS ONE, 2015, 10, e0131732. | 1.1 | 26 |
| 32 | Modelling the Effect of Weather Conditions on Cyanobacterial Bloom Outbreaks in Lake Dianchi: a Rough Decision-Adjusted Logistic Regression Model. Environmental Modeling and Assessment, 2013, 18, 199-207. | 1.2 | 25 |
| 33 | Decennary spatial pattern changes and scaling effects of CO2 emissions of urban agglomerations in China. Cities, 2020, 105, 102818. | 2.7 | 23 |
| 34 | Nexus of embodied land use and greenhouse gas emissions in global agricultural trade: A quasi-inputâ€“output analysis. Journal of Cleaner Production, 2020, 267, 122067. | 4.6 | 22 |
| 35 | The impact of water scarcity on Chinese inter-provincial virtual water trade. Sustainable Production and Consumption, 2021, 28, 1699-1707. | 5.7 | 21 |
| 36 | Telecoupling cropland soil erosion with distant drivers within China. Journal of Environmental Management, 2021, 288, 112395. | 3.8 | 18 |

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|---|---|---|---|
| 37 | The collapse of global plastic waste trade: Structural change, cascading failure process and potential solutions. Journal of Cleaner Production, 2021, 314, 127935. | 4.6 | 17 |
| 38 | Assessment of influencing factors on non-point source pollution critical source areas in an agricultural watershed. Ecological Indicators, 2022, 141, 109084. | 2.6 | 17 |
| 39 | Interactions between households and industrial sectors in embodied carbon emission networks. Journal of Cleaner Production, 2020, 275, 123809. | 4.6 | 16 |
| 40 | Tracing CO2 emissions of Chinaâ€™s construction sector. Journal of Cleaner Production, 2020, 275, 124165. | 4.6 | 15 |
| 41 | Industrial polycyclic aromatic hydrocarbons (PAHs) emissions embodied in domestic trade in China in 2012. Journal of Environmental Management, 2021, 284, 111994. | 3.8 | 15 |
| 42 | How to Balance Green and Grain in Marginal Mountainous Areas?. Earth's Future, 2022, 10, . | 2.4 | 15 |
| 43 | A hybrid neural network model for cyanobacteria bloom in Dianchi Lake. Procedia Environmental Sciences, 2010, 2, 67-75. | 1.3 | 14 |
| 44 | Spatiotemporal changes in ecologically functional land in China: A quantity-quality coupled perspective. Journal of Cleaner Production, 2019, 238, 117917. | 4.6 | 14 |
| 45 | Structural decoupling the sectoral growth from complete energy consumption in China. Energy Strategy Reviews, 2021, 34, 100634. | 3.3 | 14 |
| 46 | Complex regional telecoupling between people and nature revealed via quantification of transâ€boundary ecosystem service flows. People and Nature, 2022, 4, 274-292. | 1.7 | 14 |
| 47 | Production-Based and Consumption-Based Accounting of Global Cropland Soil Erosion. Environmental Science & Technology, 2022, 56, 10465-10473. | 4.6 | 13 |
| 48 | Life-cycle CO2 Emissions and Their Driving Factors in Construction Sector in China. Chinese Geographical Science, 2019, 29, 293-305. | 1.2 | 12 |
| 49 | Who is a good neighbor? Analysis of frontrunner cities with comparative advantages in low-carbon development. Journal of Environmental Management, 2020, 269, 110804. | 3.8 | 12 |
| 50 | Multiple perspective accountings of cropland soil erosion in China reveal its complex connection with socioeconomic activities. Agriculture, Ecosystems and Environment, 2022, 337, 108083. | 2.5 | 12 |
| 51 | Backward and forward multilevel indicators for identifying key sectors of Chinaâ€™s intersectoral CO2 transfer network. Environmental Science and Pollution Research, 2019, 26, 9661-9671. | 2.7 | 10 |
| 52 | Spatial evaluation of complex non-point source pollution in urbanâ€“rural watershed using fuzzy system. Journal of Hydroinformatics, 2014, 16, 114-129. | 1.1 | 9 |
| 53 | Cooperative identification for critical periods and critical source areas of nonpoint source pollution in a typical watershed in China. Environmental Science and Pollution Research, 2020, 27, 10472-10483. | 2.7 | 9 |
| 54 | Carbon spillover and feedback effects of the middle class in China. Journal of Cleaner Production, 2021, 329, 129738. | 4.6 | 9 |

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| 55 | Forward and backward critical sectors for CO2 emissions in China based on eigenvector approaches. Environmental Science and Pollution Research, 2020, 27, 16110-16120. | 2.7 | 8 |
| 56 | Evolution-based CO2 emission baseline scenarios of Chinese cities in 2025. Applied Energy, 2021, 281, 116116. | 5.1 | 8 |
| 57 | The impact of urbanization and consumption patterns on Chinaâ€™s black carbon emissions based on inputâ€“output analysis and structural decomposition analysis. Environmental Science and Pollution Research, 2021, 28, 2914-2922. | 2.7 | 8 |
| 58 | Water environmental planning and management at the watershed scale: A case study of Lake Qilu, China. Frontiers of Environmental Science and Engineering in China, 2008, 2, 157-162. | 0.8 | 7 |
| 59 | High-frequency monitoring of neonicotinoids dynamics in soil-water systems during hydrological processes. Environmental Pollution, 2022, 292, 118219. | 3.7 | 7 |
| 60 | Regime shift of the hydroclimateâ€“vegetation system in the Yellow River Delta of China from 1982 through 2015. Environmental Research Letters, 2020, 15, 024017. | 2.2 | 6 |
| 61 | Spatio-Temporal Heterogeneity of the Relationships Between PM2.5 and Its Determinants: A Case Study of Chinese Cities in Winter of 2020. Frontiers in Public Health, 2022, 10, 810098. | 1.3 | 6 |
| 62 | Statistical properties of aerosols and meteorological factors in Southwest China. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9914-9930. | 1.2 | 4 |
| 63 | Mapping glacier-related research in polar regions: a bibliometric analysis of research output from 1987 to 2016. Polar Research, 2018, 37, 1468196. | 1.6 | 4 |
| 64 | Socioeconomic development mitigates runoff and sediment yields in a subtropical agricultural watershed in southern China. Environmental Research Letters, 0, , . | 2.2 | 3 |
| 65 | Disparities in driving forces behind energy-related black carbon emission changes across China's provinces. Journal of Cleaner Production, 2022, 330, 129849. | 4.6 | 3 |
| 66 | Analysis on Evolution of Landscape Pattern in Dianchi Basin Based on RS and GIS. Advanced Materials Research, 0, 291-294, 3419-3423. | 0.3 | 2 |
| 67 | Clan Culture, One-Child Policy and Child Trafficking of Illegal Adoptions in China. SSRN Electronic Journal, 0, , . | 0.4 | 2 |
| 68 | Determination of ammonia, hydrazine and ethanol amine in air by ion chromatography. Chinese Journal of Chromatography (Se Pu), 2016, 34, 972. | 0.1 | 2 |
| 69 | Integrated Simulation and Optimization Approach for Studying Urban Transportation-Environment Systems in Beijing. Journal of Environmental Informatics, 2010, , . | 6.0 | 2 |
| 70 | Structural Decomposition Analysis of Chinaâ€™s Industrial Energy Consumption Based on Input-Output Analysis. IOP Conference Series: Earth and Environmental Science, 2017, 63, 012041. | 0.2 | 1 |
| 71 | Mapping the research of energy subsidies: a bibliometric analysis. Environmental Science and Pollution Research, 2019, 26, 28817-28828. | 2.7 | 1 |
| 72 | The Impact of Consumption Patterns and Urbanization on the Cross-Regional Water Footprint in China: A Decomposition Analysis. Frontiers in Environmental Science, 2022, 9, . | 1.5 | 1 |

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|---|---|---|---|
| 73 | Policy Planning for Environmentally Sustainable Transport in Beijing, China. Advanced Materials Research, 0, 295-297, 2374-2381. | 0.3 | 0 |
| 74 | Assessment of Socio-Economic Development Strategies in Dianchi Lake Watershed Using Environment Carrying Capacity. Advanced Materials Research, 2012, 518-523, 1076-1084. | 0.3 | 0 |
| 75 | The review mechanism of the Convention on Biological Diversity: Status, challenges and prospects. Biodiversity Science, 2021, 29, 238-246. | 0.2 | 0 |