

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	High-frequency monitoring of neonicotinoids dynamics in soil-water systems during hydrological processes. <i>Environmental Pollution</i> , 2022, 292, 118219.	3.7	7
2	Disparities in driving forces behind energy-related black carbon emission changes across China's provinces. <i>Journal of Cleaner Production</i> , 2022, 330, 129849.	4.6	3
3	The Impact of Consumption Patterns and Urbanization on the Cross-Regional Water Footprint in China: A Decomposition Analysis. <i>Frontiers in Environmental Science</i> , 2022, 9, .	1.5	1
4	Complex regional telecoupling between people and nature revealed via quantification of transboundary ecosystem service flows. <i>People and Nature</i> , 2022, 4, 274-292.	1.7	14
5	Do compact cities have higher efficiencies of agglomeration economies? A dynamic panel model with compactness indicators. <i>Land Use Policy</i> , 2022, 115, 106005.	2.5	43
6	Spatio-Temporal Heterogeneity of the Relationships Between PM2.5 and Its Determinants: A Case Study of Chinese Cities in Winter of 2020. <i>Frontiers in Public Health</i> , 2022, 10, 810098.	1.3	6
7	How to Balance Green and Grain in Marginal Mountainous Areas?. <i>Earth's Future</i> , 2022, 10, .	2.4	15
8	Assessment of influencing factors on non-point source pollution critical source areas in an agricultural watershed. <i>Ecological Indicators</i> , 2022, 141, 109084.	2.6	17
9	Production-Based and Consumption-Based Accounting of Global Cropland Soil Erosion. <i>Environmental Science & Technology</i> , 2022, 56, 10465-10473.	4.6	13
10	Multiple perspective accountings of cropland soil erosion in China reveal its complex connection with socioeconomic activities. <i>Agriculture, Ecosystems and Environment</i> , 2022, 337, 108083.	2.5	12
11	Evolution-based CO2 emission baseline scenarios of Chinese cities in 2025. <i>Applied Energy</i> , 2021, 281, 116116.	5.1	8
12	Impacts of the COVID-19 event on the NOx emissions of key polluting enterprises in China. <i>Applied Energy</i> , 2021, 281, 116042.	5.1	41
13	The impact of urbanization and consumption patterns on China's black carbon emissions based on input-output analysis and structural decomposition analysis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2914-2922.	2.7	8
14	The review mechanism of the Convention on Biological Diversity: Status, challenges and prospects. <i>Biodiversity Science</i> , 2021, 29, 238-246.	0.2	0
15	Structural decoupling the sectoral growth from complete energy consumption in China. <i>Energy Strategy Reviews</i> , 2021, 34, 100634.	3.3	14
16	Industrial polycyclic aromatic hydrocarbons (PAHs) emissions embodied in domestic trade in China in 2012. <i>Journal of Environmental Management</i> , 2021, 284, 111994.	3.8	15
17	Analysis of driving factors on China's industrial solid waste generation: Insights from critical supply chains. <i>Science of the Total Environment</i> , 2021, 775, 145185.	3.9	29
18	Telecoupling cropland soil erosion with distant drivers within China. <i>Journal of Environmental Management</i> , 2021, 288, 112395.	3.8	18

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19	What medical waste management system may cope With COVID-19 pandemic: Lessons from Wuhan. Resources, Conservation and Recycling, 2021, 170, 105600.	5.3	61
20	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
21	The impact of water scarcity on Chinese inter-provincial virtual water trade. Sustainable Production and Consumption, 2021, 28, 1699-1707.	5.7	21
22	Carbon spillover and feedback effects of the middle class in China. Journal of Cleaner Production, 2021, 329, 129738.	4.6	9
23	Interactions between households and industrial sectors in embodied carbon emission networks. Journal of Cleaner Production, 2020, 275, 123809.	4.6	16
24	Tracing CO2 emissions of China's construction sector. Journal of Cleaner Production, 2020, 275, 124165.	4.6	15
25	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
26	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
27	Decennary spatial pattern changes and scaling effects of CO2 emissions of urban agglomerations in China. Cities, 2020, 105, 102818.	2.7	23
28	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
29	In situ electrochemical conversion of CO ₂ in molten salts to advanced energy materials with reduced carbon emissions. Science Advances, 2020, 6, eaay9278.	4.7	80
30	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
31	Regime shift of the hydroclimate-vegetation system in the Yellow River Delta of China from 1982 through 2015. Environmental Research Letters, 2020, 15, 024017.	2.2	6
32	Production- and consumption-based convergence analyses of global CO2 emissions. Journal of Cleaner Production, 2020, 264, 121723.	4.6	30
33	Rising middle and rich classes drove China's carbon emissions. Resources, Conservation and Recycling, 2020, 159, 104839.	5.3	30
34	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
35	Nexus of embodied land use and greenhouse gas emissions in global agricultural trade: A quasi-input-output analysis. Journal of Cleaner Production, 2020, 267, 122067.	4.6	22
36	Spatiotemporal changes in ecologically functional land in China: A quantity-quality coupled perspective. Journal of Cleaner Production, 2019, 238, 117917.	4.6	14

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37	Mapping the research of energy subsidies: a bibliometric analysis. <i>Environmental Science and Pollution Research</i> , 2019, 26, 28817-28828.	2.7	1
38	Drivers of provincial SO ₂ emissions in China – Based on multi-regional input-output analysis. <i>Journal of Cleaner Production</i> , 2019, 238, 117893.	4.6	35
39	Evolution of online public opinions on social impact induced by NIMBY facility. <i>Environmental Impact Assessment Review</i> , 2019, 78, 106290.	4.4	41
40	CO ₂ emissions and their spatial patterns of Xinjiang cities in China. <i>Applied Energy</i> , 2019, 252, 113473.	5.1	30
41	Escaping from pollution: the effect of air quality on inter-city population mobility in China. <i>Environmental Research Letters</i> , 2019, 14, 124025.	2.2	45
42	Cleaner heating choices in northern rural China: Household factors and the dual substitution policy. <i>Journal of Environmental Management</i> , 2019, 249, 109433.	3.8	56
43	Pollution haven hypothesis of domestic trade in China: A perspective of SO ₂ emissions. <i>Science of the Total Environment</i> , 2019, 663, 198-205.	3.9	62
44	Life-cycle CO ₂ Emissions and Their Driving Factors in Construction Sector in China. <i>Chinese Geographical Science</i> , 2019, 29, 293-305.	1.2	12
45	Backward and forward multilevel indicators for identifying key sectors of China's intersectoral CO ₂ transfer network. <i>Environmental Science and Pollution Research</i> , 2019, 26, 9661-9671.	2.7	10
46	How do urbanization and consumption patterns affect carbon emissions in China? A decomposition analysis. <i>Journal of Cleaner Production</i> , 2019, 211, 1201-1208.	4.6	108
47	Industry relocation or emission relocation? Visualizing and decomposing the dislocation between China's economy and carbon emissions. <i>Journal of Cleaner Production</i> , 2019, 208, 1109-1119.	4.6	32
48	Sectoral energy-environmental efficiency and its influencing factors in China: Based on S-U-SBM model and panel regression model. <i>Journal of Cleaner Production</i> , 2018, 182, 545-552.	4.6	31
49	Child-trafficking networks of illegal adoption in China. <i>Nature Sustainability</i> , 2018, 1, 254-260.	11.5	27
50	Critical sectors and paths for climate change mitigation within supply chain networks. <i>Journal of Environmental Management</i> , 2018, 226, 30-36.	3.8	31
51	Mapping glacier-related research in polar regions: a bibliometric analysis of research output from 1987 to 2016. <i>Polar Research</i> , 2018, 37, 1468196.	1.6	4
52	Identify sectors' role on the embedded CO ₂ transfer networks through China's regional trade. <i>Ecological Indicators</i> , 2017, 80, 114-123.	2.6	29
53	Structural Decomposition Analysis of China's Industrial Energy Consumption Based on Input-Output Analysis. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 63, 012041.	0.2	1
54	Controlling embedded carbon emissions of sectors along the supply chains: A perspective of the power-of-pull approach. <i>Applied Energy</i> , 2017, 206, 1544-1551.	5.1	47

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55	Determination of ammonia, hydrazine and ethanol amine in air by ion chromatography. Chinese Journal of Chromatography (Se Pu), 2016, 34, 972.	0.1	2
56	Enhanced removal of bisphenol-AF onto chitosan-modified zeolite by sodium cholate in aqueous solutions. Carbohydrate Polymers, 2015, 130, 364-371.	5.1	32
57	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
58	Spatial evaluation of complex non-point source pollution in urban-rural watershed using fuzzy system. Journal of Hydroinformatics, 2014, 16, 114-129.	1.1	9
59	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
60	Global trends in sediment-related research in earth science during 1992-2011: a bibliometric analysis. Scientometrics, 2014, 98, 511-529.	1.6	56
61	Statistical properties of aerosols and meteorological factors in Southwest China. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9914-9930.	1.2	4
62	Twenty years of global groundwater research: A Science Citation Index Expanded-based bibliometric survey (1993-2012). Journal of Hydrology, 2014, 519, 966-975.	2.3	67
63	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
64	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
65	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
66	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
67	A hybrid neural network model for cyanobacteria bloom in Dianchi Lake. Procedia Environmental Sciences, 2010, 2, 67-75.	1.3	14
68	Driving Forces Analysis for Residential Housing Price in Beijing. Procedia Environmental Sciences, 2010, 2, 925-936.	1.3	30
69	Integrated Simulation and Optimization Approach for Studying Urban Transportation-Environment Systems in Beijing. Journal of Environmental Informatics, 2010, , .	6.0	2
70	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
71	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
72	Policy Planning for Environmentally Sustainable Transport in Beijing, China. Advanced Materials Research, 0, 295-297, 2374-2381.	0.3	0

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73	Analysis on Evolution of Landscape Pattern in Dianchi Basin Based on RS and GIS. <i>Advanced Materials Research</i> , 0, 291-294, 3419-3423.	0.3	2
74	Socioeconomic development mitigates runoff and sediment yields in a subtropical agricultural watershed in southern China. <i>Environmental Research Letters</i> , 0, , .	2.2	3
75	Clan Culture, One-Child Policy and Child Trafficking of Illegal Adoptions in China. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2