

Ke Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,579
citations

331670

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h-index

302126

39
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42
docs citations

42
times ranked

2094
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Safe and just operating spaces for regional social-ecological systems. <i>Global Environmental Change</i> , 2014, 28, 227-238. | 7.8 | 311 |
| 2 | Extending the timescale and range of ecosystem services through paleoenvironmental analyses, exemplified in the lower Yangtze basin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1111-20. | 7.1 | 163 |
| 3 | Isolation of Endophytic Plant Growth-Promoting Bacteria Associated with the Halophyte <i>Salicornia europaea</i> and Evaluation of their Promoting Activity Under Salt Stress. <i>Current Microbiology</i> , 2016, 73, 574-581. | 2.2 | 126 |
| 4 | Vegetation history, climate change and human activities over the last 6200years on the Liupan Mountains in the southwestern Loess Plateau in central China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 293, 197-205. | 2.3 | 78 |
| 5 | Poverty alleviation strategies in eastern China lead to critical ecological dynamics. <i>Science of the Total Environment</i> , 2015, 506-507, 164-181. | 8.0 | 78 |
| 6 | Late Holocene Vegetation and Climate Oscillations in the Qaidam Basin of the Northeastern Tibetan Plateau. <i>Quaternary Research</i> , 2010, 73, 59-69. | 1.7 | 71 |
| 7 | Soil pH is equally important as salinity in shaping bacterial communities in saline soils under halophytic vegetation. <i>Scientific Reports</i> , 2018, 8, 4550. | 3.3 | 68 |
| 8 | Wind-induced hydrodynamic changes impact on sediment resuspension for large, shallow Lake Taihu, China. <i>International Journal of Sediment Research</i> , 2019, 34, 205-215. | 3.5 | 44 |
| 9 | Integrating long-term dynamics of ecosystem services into restoration and management of large shallow lakes. <i>Science of the Total Environment</i> , 2019, 671, 66-75. | 8.0 | 38 |
| 10 | Long-term succession of aquatic plants reconstructed from palynological records in a shallow freshwater lake. <i>Science of the Total Environment</i> , 2018, 643, 312-323. | 8.0 | 36 |
| 11 | Ecological shift and resilience in China's lake systems during the last two centuries. <i>Global and Planetary Change</i> , 2018, 165, 147-159. | 3.5 | 34 |
| 12 | China's Degraded Environment Enters A New Normal. <i>Trends in Ecology and Evolution</i> , 2016, 31, 175-177. | 8.7 | 33 |
| 13 | Late Holocene lacustrine environmental and ecological changes caused by anthropogenic activities in the Chinese Loess Plateau. <i>Quaternary Science Reviews</i> , 2019, 203, 266-277. | 3.0 | 33 |
| 14 | Abrupt ecological shifts of lakes during the Anthropocene. <i>Earth-Science Reviews</i> , 2022, 227, 103981. | 9.1 | 33 |
| 15 | Synergistic impacts of nutrient enrichment and climate change on long-term water quality and ecological dynamics in contrasting shallow lake zones. <i>Limnology and Oceanography</i> , 2021, 66, 3271-3286. | 3.1 | 32 |
| 16 | Late Holocene vegetation dynamic and human activities reconstructed from lake records in western Loess Plateau, China. <i>Quaternary International</i> , 2010, 227, 38-45. | 1.5 | 29 |
| 17 | Using palaeolimnological data and historical records to assess long-term dynamics of ecosystem services in typical Yangtze shallow lakes (China). <i>Science of the Total Environment</i> , 2017, 584-585, 791-802. | 8.0 | 28 |
| 18 | Confronting challenges of managing degraded lake ecosystems in the Anthropocene, exemplified from the Yangtze River Basin in China. <i>Anthropocene</i> , 2018, 24, 30-39. | 3.3 | 27 |

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|----|--|-----|-----------|
| 19 | A 110-year pollen record of land use and land cover changes in an anthropogenic watershed landscape, eastern China: Understanding past human-environment interactions. <i>Science of the Total Environment</i> , 2019, 650, 2906-2918. | 8.0 | 24 |
| 20 | A draft genome assembly of halophyte <i>Suaeda aralocaspica</i> , a plant that performs C4 photosynthesis within individual cells. <i>GigaScience</i> , 2019, 8, . | 6.4 | 23 |
| 21 | Ordered diatom species loss along a total phosphorus gradient in eutrophic lakes of the lower Yangtze River basin, China. <i>Science of the Total Environment</i> , 2019, 650, 1688-1695. | 8.0 | 23 |
| 22 | A 2700-year high resolution pollen record of climate change from varved Sugan Lake in the Qaidam Basin, northeastern Tibetan Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 297, 290-298. | 2.3 | 22 |
| 23 | High-Throughput Sequencing Analysis of the Endophytic Bacterial Diversity and Dynamics in Roots of the Halophyte <i>Salicornia europaea</i> . <i>Current Microbiology</i> , 2016, 72, 557-562. | 2.2 | 20 |
| 24 | Deciphering centurial anthropogenic pollution processes in large lakes dominated by socio-economic impacts. <i>Anthropocene</i> , 2020, 32, 100269. | 3.3 | 19 |
| 25 | Regime shifts and resilience in China's coastal ecosystems. <i>Ambio</i> , 2016, 45, 89-98. | 5.5 | 18 |
| 26 | Freshwater lake ecosystem shift caused by social-economic transitions in Yangtze River Basin over the past century. <i>Scientific Reports</i> , 2018, 8, 17146. | 3.3 | 18 |
| 27 | Healthy waterways and ecologically sustainable cities in <scp>Beijing&Tianjin&Hebei</scp> urban agglomeration (northern China): Challenges and future directions. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1500. | 6.5 | 18 |
| 28 | Not by Salinity Alone: How Environmental Factors Shape Fungal Communities in Saline Soils. <i>Soil Science Society of America Journal</i> , 2019, 83, 1387-1398. | 2.2 | 15 |
| 29 | Discrepancy in the responses of diatom diversity to indirect and direct human activities in lakes of the southeastern Tibetan Plateau, China. <i>Anthropocene</i> , 2020, 30, 100243. | 3.3 | 15 |
| 30 | Patterns and trajectories of macrophyte change in East China's shallow lakes over the past one century. <i>Science China Earth Sciences</i> , 2021, 64, 1735-1745. | 5.2 | 14 |
| 31 | Characteristics of mineral elements in shoots of three annual halophytes in a saline desert, Northern Xinjiang. <i>Journal of Arid Land</i> , 2013, 5, 244-254. | 2.3 | 13 |
| 32 | Root Morphology and Rhizosphere Characteristics Are Related to Salt Tolerance of <i>Suaeda salsa</i> and <i>Beta vulgaris</i> L.. <i>Frontiers in Plant Science</i> , 2021, 12, 677767. | 3.6 | 11 |
| 33 | Paleolimnological evidence of environmental change in Chinese lakes over the past two centuries. <i>Inland Waters</i> , 2020, 10, 1-10. | 2.2 | 10 |
| 34 | Spatial variation of organic carbon sequestration in large lakes and implications for carbon stock quantification. <i>Catena</i> , 2022, 208, 105768. | 5.0 | 10 |
| 35 | Application of subfossil cladocerans (water fleas) in assessing ecological resilience of shallow Yangtze River floodplain lake systems (China). <i>Science China Earth Sciences</i> , 2018, 61, 1157-1168. | 5.2 | 7 |
| 36 | Who determines the trade-offs between agricultural production and environmental quality? An evolutionary perspective from rural eastern China. <i>International Journal of Agricultural Sustainability</i> , 2019, 17, 347-366. | 3.5 | 7 |

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|----|---|-----|-----------|
| 37 | Pollen-vegetation/land use relationships in southeastern China: Complexity and applicability for paleoenvironmental reconstruction. <i>Ecological Indicators</i> , 2020, 116, 106523. | 6.3 | 7 |
| 38 | A Re-evaluation of Wetland Carbon Sink Mitigation Concepts and Measurements: A Diagenetic Solution. <i>Wetlands</i> , 2022, 42, 1. | 1.5 | 7 |
| 39 | The Effects of Suaeda salsa/Zea mays L. Intercropping on Plant Growth and Soil Chemical Characteristics in Saline Soil. <i>Agriculture (Switzerland)</i> , 2022, 12, 107. | 3.1 | 6 |
| 40 | The role of tamarisk in the spatial heterogeneity of soil resources in the northern Tarim Basin, Xinjiang, China. <i>Plant and Soil</i> , 2017, 420, 523-538. | 3.7 | 4 |
| 41 | Lake ecosystem regime shifts induced by agricultural intensification: A century scale paleolimnological investigation from the Huai River Basin (China). <i>Quaternary Science Reviews</i> , 2022, 285, 107522. | 3.0 | 4 |
| 42 | Potential Indicator Value of Subfossil Gastropods in Assessing the Ecological Health of the Middle and Lower Reaches of the Yangtze River Floodplain System (China). <i>Geosciences (Switzerland)</i> , 2018, 8, 222. | 2.2 | 2 |