

Hucai Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,192
citations

430874

18
h-index

414414

32
g-index

51
all docs

51
docs citations

51
times ranked

1027
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution and health-ecological risk assessment of heavy metals: an endemic disease case study in southwestern China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 4260-4275.	5.3	5
2	Atomic-dispersed copper simultaneously achieve high-efficiency removal and high-value-added conversion to ammonia of nitrate in sewage. <i>Journal of Hazardous Materials</i> , 2022, 424, 127319.	12.4	43
3	eDNA revealed in situ microbial community changes in response to <i>Trapa japonica</i> in Lake Qionghai and Lake Erhai, southwestern China. <i>Chemosphere</i> , 2022, 288, 132605.	8.2	9
4	Prehistoric firewood gathering on the northeast Tibetan plateau: environmental and cultural determinism. <i>Vegetation History and Archaeobotany</i> , 2022, 31, 431-441.	2.1	7
5	Sedimentary Facies Controls for Reservoir Quality Prediction of Lower Shihezi Member-1 of the Hangjinqi Area, Ordos Basin. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 126.	2.0	30
6	The Accumulation and Transformation of Heavy Metals in Sediments of Liujiang River Basin in Southern China and Their Threatening on Water Security. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1619.	2.6	8
7	The Bioaccumulation and Health Risk Assessment of Metals among Two Most Consumed Species of Angling Fish (<i>Cyprinus carpio</i> and <i>Pseudohemiculter dispar</i>) in Liuzhou (China): Winter Should Be Treated as a Suitable Season for Fish Angling. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1519.	2.6	5
8	Pd nanocrystals embedded in BC2N for efficient electrochemical conversion of nitrate to ammonia. <i>Applied Surface Science</i> , 2022, 584, 152556.	6.1	18
9	The effect of graphene photocatalysis on microbial communities in Lake Xingyun, southwestern China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 48851-48868.	5.3	3
10	Isotopic constraints on sources of organic matter in surface sediments from two north-south oriented lakes of the Yunnan Plateau, Southwest China. <i>Journal of Soils and Sediments</i> , 2022, 22, 1597-1608.	3.0	10
11	A 10,000-year-old intentionally deformed human skull from Northeast Asia. <i>International Journal of Osteoarchaeology</i> , 2022, 32, 932-937.	1.2	1
12	Tributary Loadings and Their Impacts on Water Quality of Lake Xingyun, a Plateau Lake in Southwest China. <i>Water (Switzerland)</i> , 2022, 14, 1281.	2.7	4
13	Atom-dispersed copper and nano-palladium in the boron-carbon-nitrogen matrix cooperate to realize the efficient purification of nitrate wastewater and the electrochemical synthesis of ammonia. <i>Journal of Hazardous Materials</i> , 2022, 434, 128909.	12.4	21
14	Detecting anthropogenic impact on forest succession from the perspective of wood exploitation on the northeast Tibetan Plateau during the late prehistoric period. <i>Science China Earth Sciences</i> , 2022, 65, 2068-2082.	5.2	4
15	Recent Advances and Perspectives on the Sources and Detection of Antibiotics in Aquatic Environments. <i>Journal of Analytical Methods in Chemistry</i> , 2022, 2022, 1-14.	1.6	12
16	Seasonal Variation and Spatial Heterogeneity of Water Quality Parameters in Lake Chenghai in Southwestern China. <i>Water (Switzerland)</i> , 2022, 14, 1640.	2.7	10
17	Contamination and eco-risk assessment of toxic trace elements in lakebed surface sediments of Lake Yangzong, southwestern China. <i>Science of the Total Environment</i> , 2022, 843, 157031.	8.0	10
18	Phytoplankton responses to solar UVR and its combination with nutrient enrichment in a plateau oligotrophic Lake Fuxian: a mesocosm experiment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 29931-29944.	5.3	12

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19	Plateau lake ecological response to environmental change during the last 60 years: a case study from freshwater Lake Yangzong, SW China. <i>Journal of Soils and Sediments</i> , 2021, 21, 1550-1562.	3.0	12
20	Effect of different DOM components on arsenate complexation in natural water. <i>Environmental Pollution</i> , 2021, 270, 116221.	7.5	20
21	An updated chronology and paleoenvironmental background for the Paleolithic Loufangzi site, North China. <i>Journal of Human Evolution</i> , 2021, 152, 102948.	2.6	2
22	A Core Logging, Machine Learning and Geostatistical Modeling Interactive Approach for Subsurface Imaging of Lenticular Geobodies in a Clastic Depositional System, SE Pakistan. <i>Natural Resources Research</i> , 2021, 30, 2807-2830.	4.7	91
23	Long-range transport of aeolian deposits during the last 32 kyr inferred from rare earth elements and grain-size analysis of sediments from Lake Lugu, Southwestern China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 567, 110248.	2.3	20
24	The deep population history of northern East Asia from the Late Pleistocene to the Holocene. <i>Cell</i> , 2021, 184, 3256-3266.e13.	28.9	83
25	Isotopic constraints on sources of organic matter and environmental change in Lake Yangzong, Southwest China. <i>Journal of Asian Earth Sciences</i> , 2021, 217, 104845.	2.3	10
26	In-situ responses of phytoplankton to graphene photocatalysis in the eutrophic lake Xingyun, southwestern China. <i>Chemosphere</i> , 2021, 278, 130489.	8.2	10
27	Potential catastrophic water outflow from Lake Dian, China: Possible hydrological and ecological risks. <i>Catena</i> , 2021, 207, 105589.	5.0	3
28	Soft-templated mesoporous carbon-modified glassy carbon electrode for sensitive and selective detection of aristolochic acids. <i>Journal of Hazardous Materials</i> , 2020, 385, 121550.	12.4	18
29	Application of Corrected Methods for High-Resolution XRF Core Scanning Elements in Lake Sediments. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8012.	2.5	13
30	Sustainability Perspective-Oriented Synthetic Strategy for Zinc Single-Atom Catalysts Boosting Electrocatalytic Reduction of Carbon Dioxide and Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13813-13822.	6.7	35
31	Application of Unconventional Seismic Attributes and Unsupervised Machine Learning for the Identification of Fault and Fracture Network. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3864.	2.5	61
32	A Review and Perspective of eDNA Application to Eutrophication and HAB Control in Freshwater and Marine Ecosystems. <i>Microorganisms</i> , 2020, 8, 417.	3.6	22
33	Genomic analyses reveal distinct genetic architectures and selective pressures in buffaloes. <i>GigaScience</i> , 2020, 9, .	6.4	18
34	Organic matter geochemical signatures of sediments of Lake Ngoring (Qinghai-Tibetan Plateau): A record of environmental and climatic changes in the source area of the Yellow River for the last 1500 years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 551, 109729.	2.3	20
35	Geochemical record of rapid climate change and chemical weathering in a semi-arid area, northeastern Tibetan Plateau. <i>Geosciences Journal</i> , 2020, 24, 723-732.	1.2	5
36	OSL and AMS ¹⁴ C Age of the Most Complete Mammoth Fossil Skeleton from Northeastern China and its Paleoclimate Significance. <i>Radiocarbon</i> , 2019, 61, 347-358.	1.8	4

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37	Trends in Diatom Research Since 1991 Based on Topic Modeling. <i>Microorganisms</i> , 2019, 7, 213.	3.6	19
38	Diatom-based inference of Asian monsoon precipitation from a volcanic lake in southwest China for the last 18.5 ka. <i>Quaternary Science Reviews</i> , 2018, 182, 109-120.	3.0	41
39	Whole-genome resequencing reveals world-wide ancestry and adaptive introgression events of domesticated cattle in East Asia. <i>Nature Communications</i> , 2018, 9, 2337.	12.8	253
40	Vegetation and climate history inferred from a Qinghai Crater Lake pollen record from Tengchong, southwestern China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 461, 1-11.	2.3	50
41	Paleoclimate changes of the last 1000 yr on the eastern Qinghai-Tibetan Plateau recorded by elemental, isotopic, and molecular organic matter proxies in sediment from glacial Lake Ximencuo. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 379-380, 39-53.	2.3	46
42	Climatic and environmental implications from n-alkanes in glacially eroded lake sediments in Tibetan Plateau: An example from Ximen Co. <i>Science Bulletin</i> , 2011, 56, 1503-1510.	1.7	29
43	Elemental geochemistry and paleoenvironment evolution of Shell Bar section at Qarhan in the Qaidam Basin, China. , 2011, , .		0
44	Climate variability recorded by n-alkanes of paleolake sediment in Qaidam Basin on the northeast Tibetan Plateau in late MIS3. <i>Science China Earth Sciences</i> , 2010, 53, 863-870.	5.2	26
45	¹⁰ Be in quartz gravel from the Gobi Desert and evolutionary history of alluvial sedimentation in the Ejina Basin, Inner Mongolia, China. <i>Science Bulletin</i> , 2010, 55, 3802-3809.	1.7	20
46	n-alkane distribution coupled with organic carbon isotope composition in the shell bar section, Qarhan paleolake, Qaidam basin, NE Tibetan Plateau. <i>Frontiers of Earth Science</i> , 2009, 3, 327-335.	0.5	3
47	Chronology of the shell bar section and a discussion on the ages of the Late Pleistocene lacustrine deposits in the paleolake Qarhan, Qaidam basin. <i>Frontiers of Earth Science</i> , 2008, 2, 225-235.	0.5	10
48	Branched aliphatic alkanes of shell bar section in Qarhan Lake, Qaidam Basin and their paleoclimate significance. <i>Science Bulletin</i> , 2007, 52, 1248-1256.	1.7	21
49	A high-resolution late Pleistocene record of pollen vegetation and climate change from Jingning, NW China. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 154-162.	0.9	12
50	Multiple Factors Affecting the Historical Development of Agriculture in the Hei River Basin, Northwestern China. <i>Environmental Archaeology</i> , 0, , 1-11.	1.2	3
51	How Human Subsistence Strategy Affected Fruit-Tree Utilization During the Late Neolithic and Bronze Age: Investigations in the Northeastern Tibetan Plateau. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	0