

Xu Wang

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,818
citations

257450

24
h-index

276875

41
g-index

64
all docs

64
docs citations

64
times ranked

2065
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in sulfur cycling in a large lake during the Paleocene-Eocene Thermal Maximum and implications for lake deoxygenation. <i>Global and Planetary Change</i> , 2022, 208, 103716.	3.5	2
2	Shear-wave velocity structures of the shallow crust beneath the Ordos and Sichuan Basins from multi-frequency direct P-wave amplitudes in receiver functions. <i>Science China Earth Sciences</i> , 2022, 65, 810-823.	5.2	1
3	Structure of the Western Jaz Murian Forearc Basin, Southeast Iran, Revealed by Autocorrelation and Polarization Analysis of Teleseismic P and S Waves. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	3
4	Paleoclimate and ecology of Cretaceous continental ecosystems of Japan inferred from the stable oxygen and carbon isotope compositions of vertebrate bioapatite. <i>Journal of Asian Earth Sciences</i> , 2021, 205, 104602.	2.3	9
5	Early Jurassic palaeoclimate in Southwest China and its implications for dinosaur fossil distribution. <i>Geological Journal</i> , 2021, 56, 6245-6258.	1.3	2
6	A New Bodyâ€Wave Amplitude Ratioâ€Based Method for Imaging Shallow Crustal Structure and Its Application in the Sichuan Basin, Southwestern China. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095186.	4.0	7
7	Clumped isotope analysis of lacustrine endogenic carbonates and implications for paleo-temperature reconstruction: A case study from Dali Lake. <i>Science China Earth Sciences</i> , 2021, 64, 294-306.	5.2	9
8	Changes in Paleovegetation and Climate Seasonality in Central China Over Last Two Glacial Cycles: A Stable Isotope Perspective From Land Snails. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004295.	2.9	3
9	Climatic quantification and seasonality of the late MIS 3 in North China: A perspective from carbon and oxygen isotopes of fossil mammal teeth. <i>Quaternary Science Reviews</i> , 2021, 272, 107222.	3.0	2
10	Dietary adaptations and palaeoecology of Lophialetidae (Mammalia, Tapiroidea) from the Eocene of the Erlian Basin, China: combined evidence from mesowear and stable isotope analyses. <i>Palaeontology</i> , 2020, 63, 547-564.	2.2	5
11	Subduction tectonics vs. Plume tectonicsâ€Discussion on driving forces for plate motion. <i>Science China Earth Sciences</i> , 2020, 63, 315-328.	5.2	28
12	Spatial change of precipitation in response to the Paleocene-Eocene thermal Maximum warming in China. <i>Global and Planetary Change</i> , 2020, 194, 103313.	3.5	11
13	The early Eocene rise of the Gonjo Basin, SE Tibet: From low desert to high forest. <i>Earth and Planetary Science Letters</i> , 2020, 543, 116312.	4.4	91
14	Spatiotemporal evolution of C3/C4 vegetation and its controlling factors in southern China since the last glacial maximum. <i>Science China Earth Sciences</i> , 2019, 62, 1256-1268.	5.2	4
15	Complex Lithospheric Deformation in Eastern and Northeastern Tibet From Shear Wave Splitting Observations and Its Geodynamic Implications. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 10331-10346.	3.4	16
16	A new method to constrain shallow crustal S-wave velocities based on direct P-wave amplitudes in receiver functions and its application in northeastern Tibet. <i>Science China Earth Sciences</i> , 2019, 62, 1819-1831.	5.2	9
17	Stable Carbon and Oxygen Isotopes in Shell Carbonates of modern Land Snails in China and Their Relation to Environment Variables. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3356-3376.	3.0	9
18	Clumped isotopes in land snail shells over China: Towards establishing a biogenic carbonate paleothermometer. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 257, 68-79.	3.9	25

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19	Human-induced Changes in Holocene Nitrogen Cycling in North China: An Isotopic Perspective From Sedimentary Pyrogenic Material. <i>Geophysical Research Letters</i> , 2019, 46, 4599-4608.	4.0	13
20	Crustal structure study based on principal component analysis of receiver functions. <i>Science China Earth Sciences</i> , 2019, 62, 1110-1124.	5.2	6
21	Sensitivity of lacustrine stromatolites to Cenozoic tectonic and climatic forcing in the southern Junggar Basin, NW China: New insights from mineralogical, stable and clumped isotope compositions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 514, 109-123.	2.3	13
22	Determination of nitrogen isotopes on samples with tens of nmol of N using the combination of an elemental analyzer, a GasBench interface and an isotope ratio mass spectrometer: An evaluation of blank N contributions and blank correction. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 74-80.	1.5	3
23	Mineralogy and carbonate geochemistry of the Dali Lake sediments: Implications for paleohydrological changes in the East Asian summer monsoon margin during the Holocene. <i>Quaternary International</i> , 2019, 527, 103-112.	1.5	20
24	The manifestation of the Younger Dryas event in the East Asian summer monsoon margin: New evidence from carbonate geochemistry of the Dali Lake sediments in northern China. <i>Holocene</i> , 2018, 28, 1082-1092.	1.7	12
25	Stable carbon isotope records of black carbon on Chinese Loess Plateau since last glacial maximum: An evaluation on their usefulness for paleorainfall and paleovegetation reconstruction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 509, 98-104.	2.3	21
26	Euryhaline ecology of early tetrapods revealed by stable isotopes. <i>Nature</i> , 2018, 558, 68-72.	27.8	26
27	Carbon and nitrogen signatures of sedimentary organic matter from Dali Lake in Inner Mongolia: Implications for Holocene hydrological and ecological variations in the East Asian summer monsoon margin. <i>Quaternary International</i> , 2017, 452, 65-78.	1.5	57
28	Organic geochemical investigations of the Dali Lake sediments in northern China: Implications for environment and climate changes of the last deglaciation in the East Asian summer monsoon margin. <i>Journal of Asian Earth Sciences</i> , 2017, 140, 135-146.	2.3	13
29	A multistratigraphic approach to pinpoint the Permian-Triassic boundary in continental deposits: The Zechstein-Lower Buntsandstein transition in Germany. <i>Global and Planetary Change</i> , 2017, 152, 129-151.	3.5	29
30	Paleoweathering and paleoenvironmental change recorded in lacustrine sediments of the early to middle Eocene in Fushun Basin, Northeast China. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 41-51.	2.5	11
31	Extreme Ontogenetic Changes in a Ceratosaurian Theropod. <i>Current Biology</i> , 2017, 27, 144-148.	3.9	86
32	Crustal S-velocity structure and radial anisotropy beneath the southern part of central and western North China Craton and the adjacent Qilian Orogenic Belt from ambient noise tomography. <i>Science China Earth Sciences</i> , 2017, 60, 1752-1768.	5.2	14
33	$\delta^{18}\text{O}$ -derived incubation temperatures of oviraptorosaur eggs. <i>Palaeontology</i> , 2017, 60, 633-647.	2.2	22
34	Oxygen isotopes suggest elevated thermometabolism within multiple Permo-Triassic therapsid clades. <i>ELife</i> , 2017, 6, .	6.0	37
35	Droughts in the East Asian summer monsoon margin during the last 6 kyrs: Link to the North Atlantic cooling events. <i>Quaternary Science Reviews</i> , 2016, 151, 88-99.	3.0	34
36	Stable and clumped isotopes in shell carbonates of land snails <i>Cathaica</i> sp. and <i>Bradybaena</i> sp. in north China and implications for ecophysiological characteristics and paleoclimate studies. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 219-231.	2.5	27

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37	Determination of clumped isotopes in carbonate using isotope ratio mass spectrometry: Toward a systematic evaluation of a sample extraction method using a static Porapak ^Q absorbent trap. <i>International Journal of Mass Spectrometry</i> , 2016, 403, 8-14.	1.5	14
38	Increased precipitation and weathering across the Paleocene–Eocene Thermal Maximum in central China. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2286-2297.	2.5	36
39	Leaf wax n-alkane distributions in Chinese loess since the Last Glacial Maximum and implications for paleoclimate. <i>Quaternary International</i> , 2016, 399, 190-197.	1.5	34
40	Reply to Yu et al.: Global temperature change as the ultimate driver of the shift in the summer monsoon rain belt in East Asia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2211-2.	7.1	6
41	Oligocene–Miocene magnetostratigraphy and magnetic anisotropy of the Bulak section from the Pamir–Tibetan–Szechuan convergence zone. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3575-3592.	2.5	27
42	Warming-induced northwestward migration of the East Asian monsoon rain belt from the Last Glacial Maximum to the mid-Holocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13178-13183.	7.1	221
43	Environment and ecology of East Asian dinosaurs during the Early Cretaceous inferred from stable oxygen and carbon isotopes in apatite. <i>Journal of Asian Earth Sciences</i> , 2015, 98, 358-370.	2.3	47
44	Structure of the carbon isotope excursion in a high-resolution lacustrine Paleocene–Eocene Thermal Maximum record from central China. <i>Earth and Planetary Science Letters</i> , 2014, 408, 331-340.	4.4	27
45	Determination of clumped isotopes in carbonate using isotope ratio mass spectrometer: Effects of extraction potential and long-term stability. <i>International Journal of Mass Spectrometry</i> , 2014, 372, 46-50.	1.5	11
46	Determination of carbon and oxygen isotopes of geological samples with a complicated matrix: comparison of different analytical methods. <i>Analytical Methods</i> , 2014, 6, 9173-9178.	2.7	8
47	Early Eocene carbon isotope excursions: Evidence from the terrestrial coal seam in the Fushun Basin, Northeast China. <i>Geophysical Research Letters</i> , 2014, 41, 3559-3564.	4.0	35
48	Synchronous drying and cooling in central Asia during late Oligocene. <i>Science Bulletin</i> , 2013, 58, 3119-3124.	1.7	10
49	Stable carbon isotope of black carbon in lake sediments as an indicator of terrestrial environmental changes: An evaluation on paleorecord from Daihai Lake, Inner Mongolia, China. <i>Chemical Geology</i> , 2013, 347, 123-134.	3.3	55
50	Holocene changes in fire frequency in the Daihai Lake region (north-central China): indications and implications for an important role of human activity. <i>Quaternary Science Reviews</i> , 2013, 59, 18-29.	3.0	67
51	Changes in fire regimes on the Chinese Loess Plateau since the last glacial maximum and implications for linkages to paleoclimate and past human activity. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 315-316, 61-74.	2.3	43
52	Negative $\delta^{18}O$ – $\delta^{13}C$ relationship of pedogenic carbonate from northern China indicates a strong response of C ₃ /C ₄ biomass to the seasonality of Asian monsoon precipitation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 317-318, 32-40.	2.3	53
53	Latitudinal variations of CPI values of long-chain n-alkanes in surface soils: Evidence for CPI as a proxy of aridity. <i>Science China Earth Sciences</i> , 2012, 55, 1134-1146.	5.2	51
54	Oxygen isotopes of East Asian dinosaurs reveal exceptionally cold Early Cretaceous climates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5179-5183.	7.1	135

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55	Late Cenozoic central Asian drying inferred from a palynological record from the northern Tian Shan. <i>Earth and Planetary Science Letters</i> , 2011, 302, 439-447.	4.4	105
56	Holocene East Asian monsoon variation inferred from species assemblage and shell chemistry of the ostracodes from Hulun Lake, Inner Mongolia. <i>Quaternary Research</i> , 2011, 75, 512-522.	1.7	58
57	Controls on reservoir quality in the paleogene Kalatar Formation of the southwestern region of the Tarim Basin, China. <i>Petroleum Science</i> , 2011, 8, 302-315.	4.9	2
58	High-resolution carbon isotope record for the Paleocene-Eocene thermal maximum from the Nanyang Basin, Central China. <i>Science Bulletin</i> , 2010, 55, 3606-3611.	1.7	17
59	Oxygen and carbon isotope compositions of middle Cretaceous vertebrates from North Africa and Brazil: Ecological and environmental significance. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 297, 439-451.	2.3	48
60	Online measurements of $\delta^{15}\text{N}$ in biological fluids by a modified continuous-flow elemental analyzer with an isotope-ratio mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1196-1202.	1.5	5
61	A dry episode during the Younger Dryas and centennial-scale weak monsoon events during the early Holocene: A high-resolution stalagmite record from southeast of the Loess Plateau, China. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	23
62	Re-evaluation of linearity and precision of Gas Bench II-RMS system and potential implications for carbon and oxygen isotope measurements on small-sized carbonate samples. <i>Diqiu Huaxue</i> , 2006, 25, 206-206.	0.5	0