# Xu Wang

## List of Publications by Year in descending order



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|---|---|---|---|
| 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 | Warming-induced northwestward migration of the East Asian monsoon rain belt from the Last Glacial Maximum to the mid-Holocene. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13178-13183. | 7.1 | 221 |
| 2 | Oxygen isotopes of East Asian dinosaurs reveal exceptionally cold Early Cretaceous climates. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5179-5183. | 7.1 | 135 |
| 3 | Late Cenozoic central Asian drying inferred from a palynological record from the northern Tian Shan. Earth and Planetary Science Letters, 2011, 302, 439-447. | 4.4 | 105 |
| 4 | The early Eocene rise of the Gonjo Basin, SE Tibet: From low desert to high forest. Earth and Planetary Science Letters, 2020, 543, 116312. | 4.4 | 91 |
| 5 | Extreme Ontogenetic Changes in a Ceratosaurian Theropod. Current Biology, 2017, 27, 144-148. | 3.9 | 86 |
| 6 | Holocene changes in fire frequency in the Daihai Lake region (north-central China): indications and implications for an important role of human activity. Quaternary Science Reviews, 2013, 59, 18-29. | 3.0 | 67 |
| 7 | Holocene East Asian monsoon variation inferred from species assemblage and shell chemistry of the ostracodes from Hulun Lake, Inner Mongolia. Quaternary Research, 2011, 75, 512-522. | 1.7 | 58 |
| 8 | 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. Quaternary International, 2017, 452, 65-78. | 1.5 | 57 |
| 9 | 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. Chemical Geology, 2013, 347, 123-134. | 3.3 | 55 |
| 10 | Negative Î´18Oâ€“Î´13C relationship of pedogenic carbonate from northern China indicates a strong response of C3/C4 biomass to the seasonality of Asian monsoon precipitation. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 317-318, 32-40. | 2.3 | 53 |
| 11 | Latitudinal variations of CPI values of long-chain n-alkanes in surface soils: Evidence for CPI as a proxy of aridity. Science China Earth Sciences, 2012, 55, 1134-1146. | 5.2 | 51 |
| 12 | Oxygen and carbon isotope compositions of middle Cretaceous vertebrates from North Africa and Brazil: Ecological and environmental significance. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 297, 439-451. | 2.3 | 48 |
| 13 | Environment and ecology of East Asian dinosaurs during the Early Cretaceous inferred from stable oxygen and carbon isotopes in apatite. Journal of Asian Earth Sciences, 2015, 98, 358-370. | 2.3 | 47 |
| 14 | Changes in fire regimes on the Chinese Loess Plateau since the last glacial maximum and implications for linkages to paleoclimate and past human activity. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 315-316, 61-74. | 2.3 | 43 |
| 15 | Oxygen isotopes suggest elevated thermometabolism within multiple Permo-Triassic therapsid clades. ELife, 2017, 6, . | 6.0 | 37 |
| 16 | Increased precipitation and weathering across the Paleoceneâ€Eocene Thermal Maximum in central China. Geochemistry, Geophysics, Geosystems, 2016, 17, 2286-2297. | 2.5 | 36 |
| 17 | Early Eocene carbon isotope excursions: Evidence from the terrestrial coal seam in the Fushun Basin, Northeast China. Geophysical Research Letters, 2014, 41, 3559-3564. | 4.0 | 35 |
| 18 | Droughts in the East Asian summer monsoon margin during the last 6 kyrs: Link to the North Atlantic cooling events. Quaternary Science Reviews, 2016, 151, 88-99. | 3.0 | 34 |

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|---|---|---|---|
| 19 | Leaf wax n-alkane distributions in Chinese loess since the Last Glacial Maximum and implications for paleoclimate. Quaternary International, 2016, 399, 190-197. | 1.5 | 34 |
| 20 | A multistratigraphic approach to pinpoint the Permian-Triassic boundary in continental deposits: The Zechsteinâ€“Lower Buntsandstein transition in Germany. Global and Planetary Change, 2017, 152, 129-151. | 3.5 | 29 |
| 21 | Subduction tectonics vs. Plume tectonicsâ€”Discussion on driving forces for plate motion. Science China Earth Sciences, 2020, 63, 315-328. | 5.2 | 28 |
| 22 | Structure of the carbon isotope excursion in a high-resolution lacustrine Paleoceneâ€“Eocene Thermal Maximum record from central China. Earth and Planetary Science Letters, 2014, 408, 331-340. | 4.4 | 27 |
| 23 | Oligoceneâ€<scp>M</scp>iocene magnetostratigraphy and magnetic anisotropy of the <scp>B</scp>axbulak section from the <scp>P</scp>amirâ€<scp>T</scp>ian <scp>S</scp>han convergence zone. Geochemistry, Geophysics, Geosystems, 2015, 16, 3575-3592. | 2.5 | 27 |
| 24 | Stable and clumped isotopes in shell carbonates of land snails Cathaica sp. and Bradybaena sp. in north China and implications for ecophysiological characteristics and paleoclimate studies. Geochemistry, Geophysics, Geosystems, 2016, 17, 219-231. | 2.5 | 27 |
| 25 | Euryhaline ecology of early tetrapods revealed by stable isotopes. Nature, 2018, 558, 68-72. | 27.8 | 26 |
| 26 | Clumped isotopes in land snail shells over China: Towards establishing a biogenic carbonate paleothermometer. Geochimica Et Cosmochimica Acta, 2019, 257, 68-79. | 3.9 | 25 |
| 27 | A dry episode during the Younger Dryas and centennialâ€scale weak monsoon events during the early Holocene: A highâ€resolution stalagmite record from southeast of the Loess Plateau, China. Geophysical Research Letters, 2008, 35, . | 4.0 | 23 |
| 28 | Î´<sup>18</sup>Oâ€derived incubation temperatures of oviraptorosaur eggs. Palaeontology, 2017, 60, 633-647. | 2.2 | 22 |
| 29 | 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. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 509, 98-104. | 2.3 | 21 |
| 30 | Mineralogy and carbonate geochemistry of the Dali Lake sediments: Implications for paleohydrological changes in the East Asian summer monsoon margin during the Holocene. Quaternary International, 2019, 527, 103-112. | 1.5 | 20 |
| 31 | High-resolution carbon isotope record for the Paleocene-Eocene thermal maximum from the Nanyang Basin, Central China. Science Bulletin, 2010, 55, 3606-3611. | 1.7 | 17 |
| 32 | Complex Lithospheric Deformation in Eastern and Northeastern Tibet From Shear Wave Splitting Observations and Its Geodynamic Implications. Journal of Geophysical Research: Solid Earth, 2019, 124, 10331-10346. | 3.4 | 16 |
| 33 | Determination of clumped isotopes in carbonate using isotope ratio mass spectrometry: Toward a systematic evaluation of a sample extraction method using a static Porapakâ„¢ Q absorbent trap. International Journal of Mass Spectrometry, 2016, 403, 8-14. | 1.5 | 14 |
| 34 | 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. Science China Earth Sciences, 2017, 60, 1752-1768. | 5.2 | 14 |
| 35 | 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. Journal of Asian Earth Sciences, 2017, 140, 135-146. | 2.3 | 13 |
| 36 | Humanâ€Induced Changes in Holocene Nitrogen Cycling in North China: An Isotopic Perspective From Sedimentary Pyrogenic Material. Geophysical Research Letters, 2019, 46, 4599-4608. | 4.0 | 13 |

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| 37 | 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. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 514, 109-123. | 2.3 | 13 |
| 38 | 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. Holocene, 2018, 28, 1082-1092. | 1.7 | 12 |
| 39 | Determination of clumped isotopes in carbonate using isotope ratio mass spectrometer: Effects of extraction potential and long-term stability. International Journal of Mass Spectrometry, 2014, 372, 46-50. | 1.5 | 11 |
| 40 | Paleoweathering and paleoenvironmental change recorded in lacustrine sediments of the early to middle Eocene in Fushun Basin, Northeast China. Geochemistry, Geophysics, Geosystems, 2017, 18, 41-51. | 2.5 | 11 |
| 41 | Spatial change of precipitation in response to the Paleocene-Eocene thermal Maximum warming in China. Global and Planetary Change, 2020, 194, 103313. | 3.5 | 11 |
| 42 | Synchronous drying and cooling in central Asia during late Oligocene. Science Bulletin, 2013, 58, 3119-3124. | 1.7 | 10 |
| 43 | 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. Science China Earth Sciences, 2019, 62, 1819-1831. | 5.2 | 9 |
| 44 | Stable Carbon and Oxygen Isotopes in Shell Carbonates of modern Land Snails in China and Their Relation to Environment Variables. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3356-3376. | 3.0 | 9 |
| 45 | Paleoclimate and ecology of Cretaceous continental ecosystems of Japan inferred from the stable oxygen and carbon isotope compositions of vertebrate bioapatite. Journal of Asian Earth Sciences, 2021, 205, 104602. | 2.3 | 9 |
| 46 | Clumped isotope analysis of lacustrine endogenic carbonates and implications for paleo-temperature reconstruction: A case study from Dali Lake. Science China Earth Sciences, 2021, 64, 294-306. | 5.2 | 9 |
| 47 | Determination of carbon and oxygen isotopes of geological samples with a complicated matrix: comparison of different analytical methods. Analytical Methods, 2014, 6, 9173-9178. | 2.7 | 8 |
| 48 | A New Bodyâ€Wave Amplitude Ratioâ€Based Method for Imaging Shallow Crustal Structure and Its Application in the Sichuan Basin, Southwestern China. Geophysical Research Letters, 2021, 48, e2021GL095186. | 4.0 | 7 |
| 49 | Reply to Yu et al.: Global temperature change as the ultimate driver of the shift in the summer monsoon rain belt in East Asia. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2211-2. | 7.1 | 6 |
| 50 | Crustal structure study based on principal component analysis of receiver functions. Science China Earth Sciences, 2019, 62, 1110-1124. | 5.2 | 6 |
| 51 | Onâ€line measurements of Î´<sup>15</sup>N in biological fluids by a modified continuousâ€flow elemental analyzer with an isotopeâ€ratio mass spectrometer. Rapid Communications in Mass Spectrometry, 2008, 22, 1196-1202. | 1.5 | 5 |
| 52 | Dietary adaptations and palaeoecology of Lophialetidae (Mammalia, Tapiroidea) from the Eocene of the Erlian Basin, China: combined evidence from mesowear and stable isotope analyses. Palaeontology, 2020, 63, 547-564. | 2.2 | 5 |
| 53 | Spatiotemporal evolution of C3/C4 vegetation and its controlling factors in southern China since the last glacial maximum. Science China Earth Sciences, 2019, 62, 1256-1268. | 5.2 | 4 |
| 54 | 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 blankâ€correction. Rapid Communications in Mass Spectrometry, 2019, 33, 74-80. | 1.5 | 3 |

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| 55 | Changes in Paleovegetation and Climate Seasonality in Central China Over Last Two Glacial Cycles: A Stable Isotope Perspective From Land Snails. Paleoceanography and Paleoclimatology, 2021, 36, e2021PA004295. | 2.9 | 3 |
| 56 | Structure of the Western Jaz Murian Forearc Basin, Southeast Iran, Revealed by Autocorrelation and Polarization Analysis of Teleseismic P and S Waves. Journal of Geophysical Research: Solid Earth, 2022, 127, . | 3.4 | 3 |
| 57 | Controls on reservoir quality in the paleogene Kalatar Formation of the southwestern region of the Tarim Basin, China. Petroleum Science, 2011, 8, 302-315. | 4.9 | 2 |
| 58 | Early Jurassic palaeoclimate in Southwest China and its implications for dinosaur fossil distribution. Geological Journal, 2021, 56, 6245-6258. | 1.3 | 2 |
| 59 | Climatic quantification and seasonality of the late MIS 3 in North China: A perspective from carbon and oxygen isotopes of fossil mammal teeth. Quaternary Science Reviews, 2021, 272, 107222. | 3.0 | 2 |
| 60 | Changes in sulfur cycling in a large lake during the Paleocene-Eocene Thermal Maximum and implications for lake deoxygenation. Global and Planetary Change, 2022, 208, 103716. | 3.5 | 2 |
| 61 | Shear-wave velocity structures of the shallow crust beneath the Ordos and Sichuan Basins from multi-frequency direct P-wave amplitudes in receiver functions. Science China Earth Sciences, 2022, 65, 810-823. | 5.2 | 1 |
| 62 | Re-evaluation of linearity and precision of Gas Bench II-IRMS system and potential implications for carbon and oxygen isotope measurements on small-sized carbonate samples. Diqiu Huaxue, 2006, 25, 206-206. | 0.5 | 0 |