Xianyan Wang

List of Publications by Year in descending order

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430754 395590 1,210 54 18 33 citations g-index h-index papers 58 58 58 1136 times ranked docs citations citing authors all docs

#	Article	IF	CITATIONS
1	Aeolian sediment evidence that global cooling has driven late Cenozoic stepwise aridification in central Asia. Geological Society Special Publication, 2010, 342, 29-44.	0.8	150
2	Geomorphologic evidence of phased uplift of the northeastern Qing-hai-Tibet Plateau since 14 million years ago. Science in China Series D: Earth Sciences, 2004, 47, 822.	0.9	92
3	Grain-size characterization of reworked fine-grained aeolian deposits. Earth-Science Reviews, 2018, 177, 43-52.	4.0	91
4	Formation and evolution of Gobi Desert in central and eastern Asia. Earth-Science Reviews, 2019, 194, 251-263.	4.0	85
5	Climate-driven changes to dune activity during the Last Glacial Maximum and deglaciation in the Mu Us dune field, north-central China. Earth and Planetary Science Letters, 2015, 427, 149-159.	1.8	62
6	Differential impact of small-scaled tectonic movements on fluvial morphology and sedimentology (the Huang Shui catchment, NE Tibet Plateau). Geomorphology, 2011, 134, 171-185.	1.1	61
7	Climate-dependent fluvial architecture and processes on a suborbital timescale in areas of rapid tectonic uplift: An example from the NE Tibetan Plateau. Global and Planetary Change, 2015, 133, 318-329.	1.6	46
8	Late Miocene uplift of the NE Tibetan Plateau inferred from basin filling, planation and fluvial terraces in the Huang Shui catchment. Global and Planetary Change, 2012, 88-89, 10-19.	1.6	37
9	Molecular fossils in a Pleistocene river terrace in southern China related to paleoclimate variation. Organic Geochemistry, 2003, 34, 789-797.	0.9	36
10	Sedimentary history of the western Bohai coastal plain since the late Pliocene: Implications on tectonic, climatic and sea-level changes. Journal of Asian Earth Sciences, 2012, 54-55, 192-202.	1.0	36
11	Late Quaternary paleoclimatic and geomorphological evolution at the interface between the Menyuan basin and the Qilian Mountains, northeastern Tibetan Plateau. Quaternary Research, 2013, 80, 534-544.	1.0	33
12	Chinese loess and the Asian monsoon: What we know and what remains unknown. Quaternary International, 2022, 620, 85-97.	0.7	30
13	The Pleistocene vermicular red earth in South China signaling the global climatic change: The molecular fossil record. Science in China Series D: Earth Sciences, 2003, 46, 1113-1120.	0.9	25
14	Composition, origin and weathering process of surface sediment in Kumtagh Desert, Northwest China. Journal of Chinese Geography, 2011, 21, 1062-1076.	1.5	25
15	Climatic and tectonic controls on the fluvial morphology of the Northeastern Tibetan Plateau (China). Journal of Chinese Geography, 2017, 27, 1325-1340.	1.5	24
16	Interaction of fluvial and eolian sedimentation processes, and response to climate change since the last glacial in a semiarid environment along the Yellow River. Quaternary Research, 2019, 91, 570-583.	1.0	22
17	Differential tectonic movements in the confluence area of the <scp>H</scp> uang <scp>S</scp> hui and <scp>H</scp> ellow <scp>R</scp> iver), <scp>NE T</scp> ibetan <scp>P</scp> lateau, as inferred from fluvial terrace positions. Boreas, 2014, 43, 469-484.	1.2	21
18	Very Large Cryoturbation Structures of Last Permafrost Maximum Age at the Foot of the Qilian Mountains (NE Tibet Plateau, China). Permafrost and Periglacial Processes, 2016, 27, 138-143.	1.5	20

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19	Distribution and Forming Model of Fluvial Terrace in the Huangshui Catchment and its Tectonic Indication. Acta Geologica Sinica, 2010, 84, 415-423.	0.8	19
20	Fluvial terrace formation and its impacts on early human settlement in the Hanzhong basin, Qinling Mountains, central China. Global and Planetary Change, 2019, 178, 1-14.	1.6	18
21	Aeolian process and climatic changes in loess records from the northeastern Tibetan Plateau: Response to global temperature forcing since 30 ka. Paleoceanography, 2015, 30, 612-620.	3.0	16
22	Response of dune mobility and pedogenesis to fluctuations in monsoon precipitation and human activity in the Hulunbuir dune field, northeastern China, since the last deglaciation. Global and Planetary Change, 2018, 168, 1-14.	1.6	16
23	Heavy mineral assemblages and U Pb detrital zircon geochronology of sediments from the Weihe and Sanmen Basins: New insights into the Pliocene-Pleistocene evolution of the Yellow River. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 562, 110072.	1.0	16
24	Origin of the Red Earth sequence on the northeastern Tibetan Plateau and its implications for regional aridity since the middle Miocene. Science in China Series D: Earth Sciences, 2006, 49, 505-517.	0.9	15
25	Palaeoclimatic changes in northeastern Qinghai-Tibetan Plateau revealed by magnetostratigraphy and magnetic susceptibility analysis of thick loess deposits. Geologie En Mijnbouw/Netherlands Journal of Geosciences, 2012, 91, 189-198.	0.6	14
26	Earth surface processes and their effects on human behavior in monsoonal China during the Pleistocene-Holocene epochs. Journal of Chinese Geography, 2017, 27, 1311-1324.	1.5	14
27	Timing of river capture in major Yangtze River tributaries: Insights from sediment provenance and morphometric indices. Geomorphology, 2021, 392, 107915.	1.1	14
28	The extent of permafrost during the Last Permafrost Maximum (LPM) on the Ordos Plateau, north China. Quaternary Science Reviews, 2019, 214, 87-97.	1.4	13
29	Fluvial or aeolian? Unravelling the origin of the silty clayey sediment cover of terraces in the Hanzhong Basin (Qinling Mountains, central China). Geomorphology, 2020, 367, 107294.	1.1	13
30	Chronology of newly-discovered Paleolithic artifact assemblages in Lantian (Shaanxi province), central China. Quaternary Research, 2016, 86, 316-325.	1.0	12
31	Application of River Longitudinal Profile Morphometrics to Reveal the Uplift of Lushan Mountain. Acta Geologica Sinica, 2017, 91, 1644-1652.	0.8	12
32	Dynamic Divide Migration as a Response to Asymmetric Uplift: An Example from the Zhongtiao Shan, North China. Remote Sensing, 2020, 12, 4188.	1.8	12
33	Magnetic properties of loess deposits on the northeastern Qinghai-Tibetan Plateau: palaeoclimatic implications for the Late Pleistocene. Geophysical Journal International, 2006, 167, 1138-1147.	1.0	11
34	Episodic Sedimentary Evolution of an Alluvial Fan (Huangshui Catchment, NE Tibetan Plateau). Quaternary, $2018,1,16.$	1.0	10
35	A modified depositional hypothesis of the Hanjiang Loess in the southern Qinling Mountains, central China. Progress in Physical Geography, 2017, 41, 775-787.	1.4	9
36	Anthropogenic impacts on Holocene fluvial dynamics in the Chinese Loess Plateau, an evaluation based on landscape evolution modeling. Geomorphology, 2021, 392, 107935.	1.1	9

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37	Responses of fluvial terrace formation to monsoon climate changes in the north-eastern Tibetan Plateau: Evidence from pollen and sedimentary records. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 564, 110196.	1.0	8
38	Response of Surface Erosion to Crustal Shortening and its Influence on Tectonic Evolution in Foldâ€andâ€Thrust Belts: Implications From Sandbox Modeling on Tectonic Geomorphology. Tectonics, 2021, 40, e2020TC006515.	1.3	8
39	Late Quaternary terrace formation from knickpoint propagation in the headwaters of the Yellow River, NE Tibetan Plateau. Earth Surface Processes and Landforms, 2021, 46, 2788-2806.	1.2	8
40	Late Cenozoic Denudation and Topographic Evolution History of the Lhasa River Drainage in Southern Tibetan Plateau: Insights From Inverse Thermal History Modeling. Frontiers in Earth Science, 2021, 9, .	0.8	7
41	The impact of latitude and altitude on the extent of permafrost during the Last Permafrost Maximum (LPM) in North China. Geomorphology, 2020, 350, 106909.	1.1	6
42	Late Quaternary aggradation and incision in the headwaters of the Yangtze River, eastern Tibetan Plateau, China. Bulletin of the Geological Society of America, 2022, 134, 371-388.	1.6	5
43	Secondary faulting plays a key role in regulating the Cenozoic crustal deformation in the northeastern <scp>Qinghaiâ€Tibet</scp> Plateau. Terra Nova, 0, , .	0.9	5
44	Tectonically-controlled infilling of the eastern Nihewan Basin, North China, since the middle Pleistocene. Science China Earth Sciences, 2016, 59, 1378-1389.	2.3	4
45	Specific Exogenetic (External) and Endogenetic (Internal) Effects on Fluvial System Evolution. Quaternary, 2018, 1, 27.	1.0	4
46	Comment on †Very Large Cryoturbation Structures of Last Permafrost Maximum Age at the Foot of Qilian Mountains (NE Tibet Plateau, China): a Discussion' by Stuart A. Harris, Huijun Jin and Ruixia He in PPP. Permafrost and Periglacial Processes, 2017, 28, 763-766.	1.5	3
47	The impacts of base level and lithology on fluvial geomorphic evolution at the tectonically active Laohu and Hasi Mountains, northeastern Tibetan Plateau. Science China Earth Sciences, 2021, 64, 906-919.	2.3	3
48	Diverse floodplain deposits of reworked loess in a monsoon climate (Hanzhong Basin, central China). Quaternary Research, 2021, 103, 4-20.	1.0	3
49	Growth of the Tian Shan drives migration of the conglomerateâ€sandstone transition in the southern Junggar foreland basin. Geophysical Research Letters, 0, , .	1.5	3
50	The paleoclimatic implication of oxygen isotopes of authigenic carbonates in loess on the Northeastern Tibetan Plateau since Last Glacial Maximum. Progress in Physical Geography, 2018, 42, 826-840.	1.4	2
51	Drainage evolution in intermontane basins at the Qinling-Daba Mountains. Science China Earth Sciences, 2021, 64, 1949-1968.	2.3	1
52	Burial Ages Imply Miocene Uplift of Lu Mountain in East China due to Crustal Shortening. Frontiers in Earth Science, 2021, 9, .	0.8	0
53	Extension of the Upper Yellow River into the Tibet Plateau: Review and New Data. Quaternary, 2021, 4, 14.	1.0	0
54	å⊷秦å²å§å·´å±±åŒ—ç¼~山间ç;†åœ°æ°´ç³»æ¼"北. SCIENTIA SINICA Terrae, 2021, , .	0.1	0