

Xianyan Wang

List of Publications by Year in descending order

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54
papers

1,210
citations

430874

18
h-index

395702

33
g-index

58
all docs

58
docs citations

58
times ranked

1136
citing authors

#	ARTICLE	IF	CITATIONS
1	Chinese loess and the Asian monsoon: What we know and what remains unknown. <i>Quaternary International</i> , 2022, 620, 85-97.	1.5	30
2	Late Quaternary aggradation and incision in the headwaters of the Yangtze River, eastern Tibetan Plateau, China. <i>Bulletin of the Geological Society of America</i> , 2022, 134, 371-388.	3.3	5
3	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. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 562, 110072.	2.3	16
4	Responses of fluvial terrace formation to monsoon climate changes in the north-eastern Tibetan Plateau: Evidence from pollen and sedimentary records. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 564, 110196.	2.3	8
5	Burial Ages Imply Miocene Uplift of Lu Mountain in East China due to Crustal Shortening. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	0
6	The impacts of base level and lithology on fluvial geomorphic evolution at the tectonically active Laohu and Hasi Mountains, northeastern Tibetan Plateau. <i>Science China Earth Sciences</i> , 2021, 64, 906-919.	5.2	3
7	Late Cenozoic Denudation and Topographic Evolution History of the Lhasa River Drainage in Southern Tibetan Plateau: Insights From Inverse Thermal History Modeling. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	7
8	Extension of the Upper Yellow River into the Tibet Plateau: Review and New Data. <i>Quaternary</i> , 2021, 4, 14.	2.0	0
9	Response of Surface Erosion to Crustal Shortening and its Influence on Tectonic Evolution in Fold-and-Thrust Belts: Implications From Sandbox Modeling on Tectonic Geomorphology. <i>Tectonics</i> , 2021, 40, e2020TC006515.	2.8	8
10	â€”ç§ â²âšâ·â±±â€—ç¼~â±±é—´ç†âœ°æ°´ç³»æ¼¼”â€— . <i>SCIENTIA SINICA Terrae</i> , 2021, , .	0.3	0
11	Late Quaternary terrace formation from knickpoint propagation in the headwaters of the Yellow River, NE Tibetan Plateau. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 2788-2806.	2.5	8
12	Timing of river capture in major Yangtze River tributaries: Insights from sediment provenance and morphometric indices. <i>Geomorphology</i> , 2021, 392, 107915.	2.6	14
13	Anthropogenic impacts on Holocene fluvial dynamics in the Chinese Loess Plateau, an evaluation based on landscape evolution modeling. <i>Geomorphology</i> , 2021, 392, 107935.	2.6	9
14	Diverse floodplain deposits of reworked loess in a monsoon climate (Hanzhong Basin, central China). <i>Quaternary Research</i> , 2021, 103, 4-20.	1.7	3
15	Drainage evolution in intermontane basins at the Qinling-Daba Mountains. <i>Science China Earth Sciences</i> , 2021, 64, 1949-1968.	5.2	1
16	The impact of latitude and altitude on the extent of permafrost during the Last Permafrost Maximum (LPM) in North China. <i>Geomorphology</i> , 2020, 350, 106909.	2.6	6
17	Fluvial or aeolian? Unravelling the origin of the silty clayey sediment cover of terraces in the Hanzhong Basin (Qinling Mountains, central China). <i>Geomorphology</i> , 2020, 367, 107294.	2.6	13
18	Dynamic Divide Migration as a Response to Asymmetric Uplift: An Example from the Zhongtiao Shan, North China. <i>Remote Sensing</i> , 2020, 12, 4188.	4.0	12

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19	Interaction of fluvial and eolian sedimentation processes, and response to climate change since the last glacial in a semiarid environment along the Yellow River. <i>Quaternary Research</i> , 2019, 91, 570-583.	1.7	22
20	The extent of permafrost during the Last Permafrost Maximum (LPM) on the Ordos Plateau, north China. <i>Quaternary Science Reviews</i> , 2019, 214, 87-97.	3.0	13
21	Fluvial terrace formation and its impacts on early human settlement in the Hanzhong basin, Qinling Mountains, central China. <i>Global and Planetary Change</i> , 2019, 178, 1-14.	3.5	18
22	Formation and evolution of Gobi Desert in central and eastern Asia. <i>Earth-Science Reviews</i> , 2019, 194, 251-263.	9.1	85
23	Grain-size characterization of reworked fine-grained aeolian deposits. <i>Earth-Science Reviews</i> , 2018, 177, 43-52.	9.1	91
24	Specific Exogenetic (External) and Endogenetic (Internal) Effects on Fluvial System Evolution. <i>Quaternary</i> , 2018, 1, 27.	2.0	4
25	The paleoclimatic implication of oxygen isotopes of authigenic carbonates in loess on the Northeastern Tibetan Plateau since Last Glacial Maximum. <i>Progress in Physical Geography</i> , 2018, 42, 826-840.	3.2	2
26	Episodic Sedimentary Evolution of an Alluvial Fan (Huangshui Catchment, NE Tibetan Plateau). <i>Quaternary</i> , 2018, 1, 16.	2.0	10
27	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. <i>Global and Planetary Change</i> , 2018, 168, 1-14.	3.5	16
28	Climatic and tectonic controls on the fluvial morphology of the Northeastern Tibetan Plateau (China). <i>Journal of Chinese Geography</i> , 2017, 27, 1325-1340.	3.9	24
29	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 <i>PPP. Permafrost and Periglacial Processes</i> , 2017, 28, 763-766.	3.4	3
30	Application of River Longitudinal Profile Morphometrics to Reveal the Uplift of Lushan Mountain. <i>Acta Geologica Sinica</i> , 2017, 91, 1644-1652.	1.4	12
31	Earth surface processes and their effects on human behavior in monsoonal China during the Pleistocene-Holocene epochs. <i>Journal of Chinese Geography</i> , 2017, 27, 1311-1324.	3.9	14
32	A modified depositional hypothesis of the Hanjiang Loess in the southern Qinling Mountains, central China. <i>Progress in Physical Geography</i> , 2017, 41, 775-787.	3.2	9
33	Tectonically-controlled infilling of the eastern Nihewan Basin, North China, since the middle Pleistocene. <i>Science China Earth Sciences</i> , 2016, 59, 1378-1389.	5.2	4
34	Very Large Cryoturbation Structures of Last Permafrost Maximum Age at the Foot of the Qilian Mountains (NE Tibet Plateau, China). <i>Permafrost and Periglacial Processes</i> , 2016, 27, 138-143.	3.4	20
35	Chronology of newly-discovered Paleolithic artifact assemblages in Lantian (Shaanxi province), central China. <i>Quaternary Research</i> , 2016, 86, 316-325.	1.7	12
36	Aeolian process and climatic changes in loess records from the northeastern Tibetan Plateau: Response to global temperature forcing since 30‰ka. <i>Paleoceanography</i> , 2015, 30, 612-620.	3.0	16

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37	Climate-driven changes to dune activity during the Last Glacial Maximum and deglaciation in the Mu Us dune field, north-central China. <i>Earth and Planetary Science Letters</i> , 2015, 427, 149-159.	4.4	62
38	Climate-dependent fluvial architecture and processes on a suborbital timescale in areas of rapid tectonic uplift: An example from the NE Tibetan Plateau. <i>Global and Planetary Change</i> , 2015, 133, 318-329.	3.5	46
39	Differential tectonic movements in the confluence area of the Huanghe and Yellow rivers (Yellow River), NE Tibetan Plateau, as inferred from fluvial terrace positions. <i>Boreas</i> , 2014, 43, 469-484.	2.4	21
40	Late Quaternary paleoclimatic and geomorphological evolution at the interface between the Menyuan basin and the Qilian Mountains, northeastern Tibetan Plateau. <i>Quaternary Research</i> , 2013, 80, 534-544.	1.7	33
41	Palaeoclimatic changes in northeastern Qinghai-Tibetan Plateau revealed by magnetostratigraphy and magnetic susceptibility analysis of thick loess deposits. <i>Geologie En Mijnbouw/Netherlands Journal of Geosciences</i> , 2012, 91, 189-198.	0.9	14
42	Sedimentary history of the western Bohai coastal plain since the late Pliocene: Implications on tectonic, climatic and sea-level changes. <i>Journal of Asian Earth Sciences</i> , 2012, 54-55, 192-202.	2.3	36
43	Late Miocene uplift of the NE Tibetan Plateau inferred from basin filling, planation and fluvial terraces in the Huang Shui catchment. <i>Global and Planetary Change</i> , 2012, 88-89, 10-19.	3.5	37
44	Differential impact of small-scaled tectonic movements on fluvial morphology and sedimentology (the Huang Shui catchment, NE Tibet Plateau). <i>Geomorphology</i> , 2011, 134, 171-185.	2.6	61
45	Composition, origin and weathering process of surface sediment in Kumtagh Desert, Northwest China. <i>Journal of Chinese Geography</i> , 2011, 21, 1062-1076.	3.9	25
46	Aeolian sediment evidence that global cooling has driven late Cenozoic stepwise aridification in central Asia. <i>Geological Society Special Publication</i> , 2010, 342, 29-44.	1.3	150
47	Distribution and Forming Model of Fluvial Terrace in the Huangshui Catchment and its Tectonic Indication. <i>Acta Geologica Sinica</i> , 2010, 84, 415-423.	1.4	19
48	Magnetic properties of loess deposits on the northeastern Qinghai-Tibetan Plateau: palaeoclimatic implications for the Late Pleistocene. <i>Geophysical Journal International</i> , 2006, 167, 1138-1147.	2.4	11
49	Origin of the Red Earth sequence on the northeastern Tibetan Plateau and its implications for regional aridity since the middle Miocene. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 505-517.	0.9	15
50	Geomorphologic evidence of phased uplift of the northeastern Qing-hai-Tibet Plateau since 14 million years ago. <i>Science in China Series D: Earth Sciences</i> , 2004, 47, 822.	0.9	92
51	The Pleistocene vermicular red earth in South China signaling the global climatic change: The molecular fossil record. <i>Science in China Series D: Earth Sciences</i> , 2003, 46, 1113-1120.	0.9	25
52	Molecular fossils in a Pleistocene river terrace in southern China related to paleoclimate variation. <i>Organic Geochemistry</i> , 2003, 34, 789-797.	1.8	36
53	Growth of the Tian Shan drives migration of the conglomerate-sandstone transition in the southern Junggar foreland basin. <i>Geophysical Research Letters</i> , 0, , .	4.0	3
54	Secondary faulting plays a key role in regulating the Cenozoic crustal deformation in the northeastern Qinghai-Tibet Plateau. <i>Terra Nova</i> , 0, , .	2.1	5