

Xianyan Wang

List of Publications by Year in descending order

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54
papers

1,210
citations

430754

18
h-index

395590

33
g-index

58
all docs

58
docs citations

58
times ranked

1136
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.8	150
2	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
3	Grain-size characterization of reworked fine-grained aeolian deposits. <i>Earth-Science Reviews</i> , 2018, 177, 43-52.	4.0	91
4	Formation and evolution of Gobi Desert in central and eastern Asia. <i>Earth-Science Reviews</i> , 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. <i>Earth and Planetary Science Letters</i> , 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). <i>Geomorphology</i> , 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. <i>Global and Planetary Change</i> , 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. <i>Global and Planetary Change</i> , 2012, 88-89, 10-19.	1.6	37
9	Molecular fossils in a Pleistocene river terrace in southern China related to paleoclimate variation. <i>Organic Geochemistry</i> , 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. <i>Journal of Asian Earth Sciences</i> , 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. <i>Quaternary Research</i> , 2013, 80, 534-544.	1.0	33
12	Chinese loess and the Asian monsoon: What we know and what remains unknown. <i>Quaternary International</i> , 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. <i>Science in China Series D: Earth Sciences</i> , 2003, 46, 1113-1120.	0.9	25
14	Composition, origin and weathering process of surface sediment in Kumtagh Desert, Northwest China. <i>Journal of Chinese Geography</i> , 2011, 21, 1062-1076.	1.5	25
15	Climatic and tectonic controls on the fluvial morphology of the Northeastern Tibetan Plateau (China). <i>Journal of Chinese Geography</i> , 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. <i>Quaternary Research</i> , 2019, 91, 570-583.	1.0	22
17	Differential tectonic movements in the confluence area of the Huangshui and He rivers (Yellow River), NE Tibetan Plateau, as inferred from fluvial terrace positions. <i>Boreas</i> , 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). <i>Permafrost and Periglacial Processes</i> , 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. <i>Acta Geologica Sinica</i> , 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. <i>Global and Planetary Change</i> , 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 30â€‰ka. <i>Paleoceanography</i> , 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. <i>Global and Planetary Change</i> , 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. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 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. <i>Science in China Series D: Earth Sciences</i> , 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. <i>Geologie En Mijnbouw/Netherlands Journal of Geosciences</i> , 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. <i>Journal of Chinese Geography</i> , 2017, 27, 1311-1324.	1.5	14
27	Timing of river capture in major Yangtze River tributaries: Insights from sediment provenance and morphometric indices. <i>Geomorphology</i> , 2021, 392, 107915.	1.1	14
28	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.	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). <i>Geomorphology</i> , 2020, 367, 107294.	1.1	13
30	Chronology of newly-discovered Paleolithic artifact assemblages in Lantian (Shaanxi province), central China. <i>Quaternary Research</i> , 2016, 86, 316-325.	1.0	12
31	Application of River Longitudinal Profile Morphometrics to Reveal the Uplift of Lushan Mountain. <i>Acta Geologica Sinica</i> , 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. <i>Remote Sensing</i> , 2020, 12, 4188.	1.8	12
33	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.	1.0	11
34	Episodic Sedimentary Evolution of an Alluvial Fan (Huangshui Catchment, NE Tibetan Plateau). <i>Quaternary</i> , 2018, 1, 16.	1.0	10
35	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.	1.4	9
36	Anthropogenic impacts on Holocene fluvial dynamics in the Chinese Loess Plateau, an evaluation based on landscape evolution modeling. <i>Geomorphology</i> , 2021, 392, 107935.	1.1	9

