

Junsheng Nie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3209683/publications.pdf>

Version: 2024-02-01

90
papers

3,922
citations

116194

36
h-index

145109

60
g-index

97
all docs

97
docs citations

97
times ranked

2954
citing authors

#	ARTICLE	IF	CITATIONS
1	Controls of precipitation and vegetation variability on the NE Tibetan Plateau during the late Pliocene warmth (~3.5–3.0 Ma). <i>Global and Planetary Change</i> , 2022, 208, 103707.	1.6	3
2	No major temporal provenance variation on the Chinese Loess Plateau since the late Miocene – insight from stable heavy mineral ratios. <i>Geosystems and Geoenvironment</i> , 2022, 1, 100022.	1.7	3
3	Correlation Between brGDGTs Distribution and Elevation From the Eastern Qilian Shan. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	1
4	Similar Magnetic Enhancement Mechanisms Between Chinese Loess and Alluvial Sediments From the Teruel Basin, NE Spain, and Paleoclimate Implications. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
5	Alpine permafrost could account for a quarter of thawed carbon based on Plio-Pleistocene paleoclimate analogue. <i>Nature Communications</i> , 2022, 13, 1329.	5.8	49
6	Late Miocene Tarim desert wetting linked with eccentricity minimum and East Asian monsoon weakening. <i>Nature Communications</i> , 2022, 13, .	5.8	5
7	Coupling of tectonic uplift and climate change as influences on drainage evolution: A case study at the NE margin of the Tibetan Plateau. <i>Catena</i> , 2022, 216, 106433.	2.2	2
8	Distinguishing tectonic versus climatic forcing on landscape evolution: An example from SE Tibetan Plateau. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 233-242.	1.6	12
9	Joint insolation and ice sheet/CO ₂ forcing on northern China precipitation during Pliocene warmth. <i>Science Bulletin</i> , 2021, 66, 319-322.	4.3	9
10	Preface (volume I): Quaternary paleoclimate and paleoenvironmental changes in Central Asia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 568, 110319.	1.0	5
11	Anti-Phase Strengthening of the South and East Asian Summer Monsoons During the Early Pliocene Driven by Southern Hemisphere Ice Volume. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004211.	1.3	1
12	Spatially variable provenance of the Chinese Loess Plateau. <i>Geology</i> , 2021, 49, 1155-1159.	2.0	38
13	Climatic Forcing of Plio-Pleistocene Formation of the Modern Limpopo River, South Africa. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093887.	1.5	5
14	Millennial Resolution Late Miocene Northern China Precipitation Record Spanning Astronomical Analogue Interval to the Future. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093942.	1.5	5
15	Detailed Processes and Potential Mechanisms of Pliocene Salty Lake Evolution in the Western Qaidam Basin. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	1
16	Eccentricity forcing of East Asian monsoonal systems over the past 3 million years. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
17	Magnetic polarity stratigraphy, provenance, and paleoclimate analysis of Cenozoic strata in the Qaidam Basin, NE Tibetan Plateau. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 310-320.	1.6	94
18	Source-to-sink fluctuations of Asian aeolian deposits since the late Oligocene. <i>Earth-Science Reviews</i> , 2020, 200, 102963.	4.0	61

#	ARTICLE	IF	CITATIONS
19	Middle-late Miocene rapid exhumation of the southern Qilian Shan and implications for propagation of the Tibetan Plateau. <i>Tectonophysics</i> , 2020, 774, 228279.	0.9	25
20	A wind-albedo-wind feedback driven by landscape evolution. <i>Nature Communications</i> , 2020, 11, 96.	5.8	13
21	Temperature Control on Silicate Weathering Intensity and Evolution of the Neogene East Asian Summer Monsoon. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088808.	1.5	35
22	Revised chronology of central Tibet uplift (Lunpola Basin). <i>Science Advances</i> , 2020, 6, .	4.7	109
23	A Quantitative Model-Based Assessment of Stony Desert Landscape Evolution in the Hami Basin, China: Implications for Plio-Pleistocene Dust Production in Eastern Asia. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090064.	1.5	4
24	Orbital Forcing of Late Miocene-Early Pleistocene Environmental Change in the Zhada Basin, SW Tibetan Plateau. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003781.	1.3	3
25	Detection of Strong Precession Cycles from the Late Pliocene Sedimentary Records of Northeastern Tibetan Plateau. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3901-3912.	1.0	15
26	Central Asian Drying at 3.3 Ma Linked to Tropical Forcing?. <i>Geophysical Research Letters</i> , 2019, 46, 10561-10567.	1.5	17
27	Evolution of the Upper Yellow River as Revealed by Changes in Heavy-Mineral and Geochemical (REE) Signatures of Fluvial Terraces (Lanzhou, China). <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 603.	0.8	7
28	Confirmation of a Late Miocene Subchron C4n.2n-1r From the Eastern Qaidam Basin in the NE Tibetan Plateau. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12354-12365.	1.4	1
29	Testing Contrasting Models of the Formation of the Upper Yellow River Using Heavy-Mineral Data From the Yinchuan Basin Drill Cores. <i>Geophysical Research Letters</i> , 2019, 46, 10338-10345.	1.5	21
30	Provenance Control on Chemical Weathering Index of Fluvio-Lacustrine Sediments: Evidence From the Qaidam Basin, NE Tibetan Plateau. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3216-3224.	1.0	17
31	Pre-Quaternary decoupling between Asian aridification and high dust accumulation rates. <i>Science Advances</i> , 2018, 4, eaao6977.	4.7	85
32	New insights into the plasmonic enhancement for photocatalytic H ₂ production by Cu-TiO ₂ upon visible light illumination. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5264-5273.	1.3	60
33	Late Pliocene establishment of exorheic drainage in the northeastern Tibetan Plateau as evidenced by the Wuquan Formation in the Lanzhou Basin. <i>Geomorphology</i> , 2018, 303, 271-283.	1.1	26
34	The Plio-Pleistocene 405-kyr climate cycles. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 510, 26-30.	1.0	12
35	Orbital forcing of Plio-Pleistocene climate variation in a Qaidam Basin lake based on paleomagnetic and evaporite mineralogic analysis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 510, 31-39.	1.0	15
36	A major change in precipitation gradient on the Chinese Loess Plateau at the Pliocene-Quaternary boundary. <i>Journal of Asian Earth Sciences</i> , 2018, 155, 134-138.	1.0	20

#	ARTICLE	IF	CITATIONS
37	Rapid incision of the Mekong River in the middle Miocene linked to monsoonal precipitation. <i>Nature Geoscience</i> , 2018, 11, 944-948.	5.4	154
38	A symmetrical CO ₂ peak and asymmetrical climate change during the middle Miocene. <i>Earth and Planetary Science Letters</i> , 2018, 499, 134-144.	1.8	41
39	Intensified aridity in northern China during the middle Piacenzian warm period. <i>Journal of Asian Earth Sciences</i> , 2017, 147, 222-225.	1.0	11
40	Goethite Concentration Variations in the Red Clay Sequence on the Chinese Loess Plateau. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4179-4185.	1.0	7
41	Orbitally-paced variations of water availability in the SE Asian Monsoon region following the Miocene Climate Transition. <i>Earth and Planetary Science Letters</i> , 2017, 474, 272-282.	1.8	15
42	Provenance analysis reveals mountain uplift in the midsection of the Altyn Tagh Fault during the Middle Miocene. <i>Canadian Journal of Earth Sciences</i> , 2017, 54, 278-289.	0.6	3
43	Dominant 100,000-year precipitation cyclicity in a late Miocene lake from northeast Tibet. <i>Science Advances</i> , 2017, 3, e1600762.	4.7	114
44	A Review of Recent Advances in Red-Clay Environmental Magnetism and Paleoclimate History on the Chinese Loess Plateau. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	24
45	Unmixing hysteresis loops of the late Miocene–early Pleistocene loess-red clay sequence. <i>Scientific Reports</i> , 2016, 6, 29515.	1.6	6
46	A comparison of zircon U-Pb age results of the Red Clay sequence on the central Chinese Loess Plateau. <i>Scientific Reports</i> , 2016, 6, 29642.	1.6	8
47	A comparison of heavy mineral assemblage between the loess and the Red Clay sequences on the Chinese Loess Plateau. <i>Aeolian Research</i> , 2016, 21, 87-91.	1.1	28
48	Tectonic and climate controls on Neogene environmental change in the Zhada Basin, southwestern Tibetan Plateau. <i>Geology</i> , 2016, 44, 919-922.	2.0	16
49	Growth of the Qaidam Basin during Cenozoic exhumation in the northern Tibetan Plateau: Inferences from depositional patterns and multiproxy detrital provenance signatures. <i>Lithosphere</i> , 2016, 8, 58-82.	0.6	123
50	Late Tertiary reorganizations of deformation in northeastern Tibet constrained by stratigraphy and provenance data from eastern Longzhong Basin. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5804-5821.	1.4	41
51	Application of detrital zircon U-Pb geochronology to surface and subsurface correlations of provenance, paleodrainage, and tectonics of the Middle Magdalena Valley Basin of Colombia. , 2015, 11, 1790-1811.		78
52	Quaternary dust source variation across the Chinese Loess Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 435, 254-264.	1.0	96
53	Loess Plateau storage of Northeastern Tibetan Plateau-derived Yellow River sediment. <i>Nature Communications</i> , 2015, 6, 8511.	5.8	283
54	Automated SEM–EDS heavy mineral analysis reveals no provenance shift between glacial loess and interglacial paleosol on the Chinese Loess Plateau. <i>Aeolian Research</i> , 2014, 13, 71-75.	1.1	55

#	ARTICLE	IF	CITATIONS
55	Provenance of the upper Miocene–Pliocene Red Clay deposits of the Chinese loess plateau. <i>Earth and Planetary Science Letters</i> , 2014, 407, 35-47.	1.8	90
56	Late Miocene-early Pleistocene paleoclimate history of the Chinese Loess Plateau revealed by remanence unmixing. <i>Geophysical Research Letters</i> , 2014, 41, 2163-2168.	1.5	33
57	Pacific freshening drives Pliocene cooling and Asian monsoon intensification. <i>Scientific Reports</i> , 2014, 4, 5474.	1.6	98
58	Mixing of Source Populations Recorded in Detrital Zircon U-Pb Age Spectra of Modern River Sands. <i>Journal of Geology</i> , 2013, 121, 17-33.	0.7	86
59	Characterizing the superparamagnetic grain distribution of Chinese red-clay sequences by thermal fluctuation tomography. <i>Global and Planetary Change</i> , 2013, 110, 364-367.	1.6	16
60	Six million years of magnetic grain-size records reveal that temperature and precipitation were decoupled on the Chinese Loess Plateau during ~ 4.5–2.6 Ma. <i>Quaternary Research</i> , 2013, 79, 465-470.	1.0	39
61	Controlling factors on heavy mineral assemblages in Chinese loess and Red Clay. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 381-382, 110-118.	1.0	44
62	Discriminating rapid exhumation from syndepositional volcanism using detrital zircon double dating: Implications for the tectonic history of the Eastern Cordillera, Colombia. <i>Bulletin of the Geological Society of America</i> , 2012, 124, 762-779.	1.6	93
63	The importance of solar insolation on the temperature variations for the past 110 kyr on the Chinese Loess Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 317-318, 128-133.	1.0	69
64	Rock magnetism in loess from the middle Tian Shan: Implications for paleoenvironmental interpretations of magnetic properties of loess deposits in Central Asia. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	16
65	Integrated provenance analysis of a convergent retroarc foreland system: U–Pb ages, heavy minerals, Nd isotopes, and sandstone compositions of the Middle Magdalena Valley basin, northern Andes, Colombia. <i>Earth-Science Reviews</i> , 2012, 110, 111-126.	4.0	143
66	Coupled 100-kyr cycles between 3 and 1 Ma in terrestrial and marine paleoclimatic records. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	19
67	Evaluating foreland basin partitioning in the northern Andes using Cenozoic fill of the Floresta basin, Eastern Cordillera, Colombia. <i>Basin Research</i> , 2011, 23, 377-402.	1.3	49
68	Magnetic properties of surface soils across the southern Tarim Basin and their relationship with climate and source materials. <i>Science Bulletin</i> , 2011, 56, 290-296.	1.7	19
69	Resolving uplift of the northern Andes using detrital zircon age signatures. <i>GSA Today</i> , 2010, , 4-10.	1.1	81
70	Cenozoic tectonic evolution in the western Qaidam Basin inferred from subsurface data. <i>Geosciences Journal</i> , 2010, 14, 335-344.	0.6	20
71	Loess magnetic properties in the Ili Basin and their correlation with the Chinese Loess Plateau. <i>Science China Earth Sciences</i> , 2010, 53, 419-431.	2.3	70
72	Methoxy n-fatty acids in surface soils from the Gongga and Kunlun Mountains: Ecological implications. <i>Science Bulletin</i> , 2010, 55, 2258-2267.	1.7	1

#	ARTICLE	IF	CITATIONS
73	Consistent grain size distribution of pedogenic maghemite of surface soils and Miocene loessic soils on the Chinese Loess Plateau. <i>Journal of Quaternary Science</i> , 2010, 25, 261-266.	1.1	45
74	Linking sedimentation in the northern Andes to basement configuration, Mesozoic extension, and Cenozoic shortening: Evidence from detrital zircon U-Pb ages, Eastern Cordillera, Colombia. <i>Bulletin of the Geological Society of America</i> , 2010, 122, 1423-1442.	1.6	153
75	A rock magnetic study of loess from the West Kunlun Mountains. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	61
76	Tracking exhumation of Andean ranges bounding the Middle Magdalena Valley Basin, Colombia. <i>Geology</i> , 2010, 38, 451-454.	2.0	67
77	HIRM variations in the Chinese red-clay sequence: Insights into pedogenesis in the dust source area. <i>Journal of Asian Earth Sciences</i> , 2010, 38, 96-104.	1.0	41
78	Controls on the isotopic composition of surface water and precipitation in the Northern Andes, Colombian Eastern Cordillera. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 6999-7018.	1.6	39
79	A preliminary reconstruction of the paleoecological and paleoclimatic history of the Chinese Loess Plateau from the application of biomarkers. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 271, 161-169.	1.0	78
80	Link between benthic oxygen isotopes and magnetic susceptibility in the red-clay sequence on the Chinese Loess Plateau. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	43
81	Correlation between the magnetic susceptibility record of the Chinese aeolian sequences and the marine benthic oxygen isotope record. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	20
82	Surface-water freshening: A cause for the onset of North Pacific stratification from 2.75 Ma onward?. <i>Global and Planetary Change</i> , 2008, 64, 49-52.	1.6	10
83	Late Pliocene-early Pleistocene 100-ka problem. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	22
84	AC magnetic susceptibility studies of Chinese red clay sediments between 4.8 and 4.1 Ma: Paleooceanographic and paleoclimatic implications. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	27
85	Study on Land use and Land Cover Change with the Integration of RS, GIS and GPS Technologies-The Case of Baotou City in the Ecotone of Agriculture-Animal Husbandry, China. , 2008, , .		2
86	Tibetan uplift intensified the 400 k.y. signal in paleoclimate records at 4 Ma. <i>Bulletin of the Geological Society of America</i> , 2008, 120, 1338-1344.	1.6	42
87	Study on Eco-Environmental Degradation and Sustainable Development in Madoi County, Yellow River Source Regions, China. , 2008, , .		0
88	Loess Magnetic Susceptibility in Central Asia and its Paleoclimatic Significance. , 2008, , .		0
89	Enhancement mechanisms of magnetic susceptibility in the Chinese red-clay sequence. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	76
90	Late Cenozoic deformation and uplift of the NE Tibetan Plateau: Evidence from high-resolution magnetostratigraphy of the Guide Basin, Qinghai Province, China. <i>Bulletin of the Geological Society of America</i> , 2005, 117, 1208.	1.6	295