Xianguo Lang

List of Publications by Year
in descending order

32 papers	729 citations	623734 14 h-index	526287 27 g-index
33 all docs	33 docs citations	33 times ranked	531 citing authors

#	Article	IF	Citations
1	Calibrating the terminations of Cryogenian global glaciations. Geology, 2019, 47, 251-254.	4.4	125
2	Episode of intense chemical weathering during the termination of the 635 Ma Marinoan glaciation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14904-14909.	7.1	69
3	Germanium/silicon of the Ediacaran-Cambrian Laobao cherts: Implications for the bedded chert formation and paleoenvironment interpretations. Geochemistry, Geophysics, Geosystems, 2015, 16, 751-763.	2.5	51
4	Cyclic cold climate during the Nantuo Glaciation: Evidence from the Cryogenian Nantuo Formation in the Yangtze Block, South China. Precambrian Research, 2018, 310, 243-255.	2.7	46
5	Ocean oxidation during the deposition of basal Ediacaran Doushantuo cap carbonates in the Yangtze Platform, South China. Precambrian Research, 2016, 281, 253-268.	2.7	44
6	Local environmental variation obscures the interpretation of pyrite sulfur isotope records. Earth and Planetary Science Letters, 2020, 533, 116056.	4.4	43
7	Transient marine euxinia at the end of the terminal Cryogenian glaciation. Nature Communications, 2018, 9, 3019.	12.8	41
8	Hydrothermal origin of syndepositional chert bands and nodules in the Mesoproterozoic Wumishan Formation: Implications for the evolution of Mesoproterozoic cratonic basin, North China. Precambrian Research, 2018, 310, 213-228.	2.7	36
9	Towards understanding the origin of massive dolostones. Earth and Planetary Science Letters, 2020, 545, 116403.	4.4	28
10	New Ediacara-type fossils and late Ediacaran stratigraphy from the northern Qaidam Basin (China): Paleogeographic implications. Geology, 2021, 49, 1160-1164.	4.4	28
11	Molar tooth carbonates and benthic methane fluxes in Proterozoic oceans. Nature Communications, 2016, 7, 10317.	12.8	24
12	Marine Carbon-Sulfur Biogeochemical Cycles during the Steptoean Positive Carbon Isotope Excursion (SPICE) in the Jiangnan Basin, South China. Journal of Earth Science (Wuhan, China), 2016, 27, 242-254.	3.2	21
13	Can crystal morphology indicate different generations of dolomites? Evidence from magnesium isotopes. Chemical Geology, 2019, 516, 1-17.	3.3	16
14	Precipitation of Marinoan cap carbonate from Mn-enriched seawater. Earth-Science Reviews, 2021, 218, 103666.	9.1	14
15	Active methanogenesis during the melting of Marinoan snowball Earth. Nature Communications, 2021, 12, 955.	12.8	13
16	Heterogeneous Mg isotopic composition of the early Carboniferous limestone: implications for carbonate as a seawater archive. Acta Geochimica, 2018, 37, 1-18.	1.7	12
17	Germanium/silica ratio and rare earth element composition of silica-filling in sheet cracks of the Doushantuo cap carbonates, South China: Constraining hydrothermal activity during the Marinoan snowball Earth glaciation. Precambrian Research, 2019, 332, 105407.	2.7	12
18	Continental weathering intensity during the termination of the Marinoan Snowball Earth: Mg isotope evidence from the basal Doushantuo cap carbonate in South China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 552, 109774.	2.3	12

#	Article	IF	Citations
19	The coupling of Phanerozoic continental weathering and marine phosphorus cycle. Scientific Reports, 2020, 10, 5794.	3.3	11
20	Sulfur and oxygen isotopes of sulfate extracted from Early Cambrian phosphorite nodules: Implications for marine redox evolution in the Yangtze Platform. Journal of Earth Science (Wuhan,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.2	2
21	Surface ocean nitrate-limitation in the aftermath of Marinoan snowball Earth: Evidence from the Ediacaran Doushantuo Formation in the western margin of the Yangtze Block, South China. Precambrian Research, 2020, 347, 105846.	2.7	9
22	Cracking the superheavy pyrite enigma: possible roles of volatile organosulfur compound emission. National Science Review, 2021, 8, nwab034.	9.5	9
23	A rapid rise of seawater Î´13C during the deglaciation of the Marinoan Snowball Earth. Global and Planetary Change, 2021, 207, 103672.	3.5	8
24	Predominant microbial iron reduction in sediment in early Cambrian sulfidic oceans. Global and Planetary Change, 2021, 206, 103637.	3.5	7
25	Quantifying the Seawater Sulfate Concentration in the Cambrian Ocean. Frontiers in Earth Science, 2021, 9, .	1.8	7
26	Active biogeochemical cycles during the Marinoan global glaciation. Geochimica Et Cosmochimica Acta, 2022, 321, 155-169.	3.9	7
27	Refining the early Cambrian marine redox profile by using pyrite sulfur and iron isotopes. Global and Planetary Change, 2022, 213, 103817.	3.5	7
28	Heterogeneous seawater phosphorus concentrations during the Sturtian glaciation: Evidence from P/Fe ratios of Fulu Formation ironstone in South China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 537, 109409.	2.3	6
29	A pulse of seafloor oxygenation at the Late Devonian Frasnian-Famennian boundary in South China. Earth-Science Reviews, 2021, 218, 103651.	9.1	5
30	Low marine sulfate levels during the initiation of the Cryogenian Marinoan glaciation. Precambrian Research, 2022, 377, 106737.	2.7	3
31	The spatial distribution of surface ocean primary productivity in the wake of Marinoan global glaciation. Global and Planetary Change, 2022, , 103816.	3.5	2
32	Constraining the redox landscape of Mesoproterozoic mat grounds: A possible oxygen oasis in the â€˜Boring Billionâ€™ seafloor. Precambrian Research, 2022, 376, 106681.	2.7	1