

Xianguo Lang

List of Publications by Year in descending order

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papers

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33
docs citations

33
times ranked

531
citing authors

#	ARTICLE	IF	CITATIONS
1	Active biogeochemical cycles during the Marinoan global glaciation. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 321, 155-169.	3.9	7
2	The spatial distribution of surface ocean primary productivity in the wake of Marinoan global glaciation. <i>Global and Planetary Change</i> , 2022, , 103816.	3.5	2
3	Refining the early Cambrian marine redox profile by using pyrite sulfur and iron isotopes. <i>Global and Planetary Change</i> , 2022, 213, 103817.	3.5	7
4	Constraining the redox landscape of Mesoproterozoic mat grounds: A possible oxygen oasis in the "Boring Billion" seafloor. <i>Precambrian Research</i> , 2022, 376, 106681.	2.7	1
5	Low marine sulfate levels during the initiation of the Cryogenian Marinoan glaciation. <i>Precambrian Research</i> , 2022, 377, 106737.	2.7	3
6	Active methanogenesis during the melting of Marinoan snowball Earth. <i>Nature Communications</i> , 2021, 12, 955.	12.8	13
7	Cracking the superheavy pyrite enigma: possible roles of volatile organosulfur compound emission. <i>National Science Review</i> , 2021, 8, nwab034.	9.5	9
8	New Ediacara-type fossils and late Ediacaran stratigraphy from the northern Qaidam Basin (China): Paleogeographic implications. <i>Geology</i> , 2021, 49, 1160-1164.	4.4	28
9	Precipitation of Marinoan cap carbonate from Mn-enriched seawater. <i>Earth-Science Reviews</i> , 2021, 218, 103666.	9.1	14
10	A pulse of seafloor oxygenation at the Late Devonian Frasnian-Famennian boundary in South China. <i>Earth-Science Reviews</i> , 2021, 218, 103651.	9.1	5
11	Predominant microbial iron reduction in sediment in early Cambrian sulfidic oceans. <i>Global and Planetary Change</i> , 2021, 206, 103637.	3.5	7
12	A rapid rise of seawater $\delta^{13}C$ during the deglaciation of the Marinoan Snowball Earth. <i>Global and Planetary Change</i> , 2021, 207, 103672.	3.5	8
13	Quantifying the Seawater Sulfate Concentration in the Cambrian Ocean. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	7
14	Heterogeneous seawater phosphorus concentrations during the Sturtian glaciation: Evidence from P/Fe ratios of Fulu Formation ironstone in South China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 537, 109409.	2.3	6
15	The coupling of Phanerozoic continental weathering and marine phosphorus cycle. <i>Scientific Reports</i> , 2020, 10, 5794.	3.3	11
16	Towards understanding the origin of massive dolostones. <i>Earth and Planetary Science Letters</i> , 2020, 545, 116403.	4.4	28
17	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. <i>Precambrian Research</i> , 2020, 347, 105846.	2.7	9
18	Local environmental variation obscures the interpretation of pyrite sulfur isotope records. <i>Earth and Planetary Science Letters</i> , 2020, 533, 116056.	4.4	43

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19	Continental weathering intensity during the termination of the Marinoan Snowball Earth: Mg isotope evidence from the basal Doushantuo cap carbonate in South China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 552, 109774.	2.3	12
20	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. <i>Precambrian Research</i> , 2019, 332, 105407.	2.7	12
21	Calibrating the terminations of Cryogenian global glaciations. <i>Geology</i> , 2019, 47, 251-254.	4.4	125
22	Can crystal morphology indicate different generations of dolomites? Evidence from magnesium isotopes. <i>Chemical Geology</i> , 2019, 516, 1-17.	3.3	16
23	Cyclic cold climate during the Nantuo Glaciation: Evidence from the Cryogenian Nantuo Formation in the Yangtze Block, South China. <i>Precambrian Research</i> , 2018, 310, 243-255.	2.7	46
24	Hydrothermal origin of syndepositional chert bands and nodules in the Mesoproterozoic Wumishan Formation: Implications for the evolution of Mesoproterozoic cratonic basin, North China. <i>Precambrian Research</i> , 2018, 310, 213-228.	2.7	36
25	Heterogeneous Mg isotopic composition of the early Carboniferous limestone: implications for carbonate as a seawater archive. <i>Acta Geochimica</i> , 2018, 37, 1-18.	1.7	12
26	Transient marine euxinia at the end of the terminal Cryogenian glaciation. <i>Nature Communications</i> , 2018, 9, 3019.	12.8	41
27	Episode of intense chemical weathering during the termination of the 635 Ma Marinoan glaciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14904-14909.	7.1	69
28	Marine Carbon-Sulfur Biogeochemical Cycles during the Steptoean Positive Carbon Isotope Excursion (SPICE) in the Jiangnan Basin, South China. <i>Journal of Earth Science (Wuhan, China)</i> , 2016, 27, 242-254.	3.2	21
29	Sulfur and oxygen isotopes of sulfate extracted from Early Cambrian phosphorite nodules: Implications for marine redox evolution in the Yangtze Platform. <i>Journal of Earth Science (Wuhan, China)</i> , 2016, 27, 242-254.	3.2	21
30	Ocean oxidation during the deposition of basal Ediacaran Doushantuo cap carbonates in the Yangtze Platform, South China. <i>Precambrian Research</i> , 2016, 281, 253-268.	2.7	44
31	Molar tooth carbonates and benthic methane fluxes in Proterozoic oceans. <i>Nature Communications</i> , 2016, 7, 10317.	12.8	24
32	Germanium/silicon of the Ediacaran-Cambrian Laobao cherts: Implications for the bedded chert formation and paleoenvironment interpretations. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 751-763.	2.5	51