Frantz Ossa Ossa

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8079288/publications.pdf

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23 papers	1,139 citations	759055 12 h-index	642610 23 g-index
24 all docs	24 docs citations	24 times ranked	1150 citing authors

#	Article	IF	Citations
1	Evidence for oxygenic photosynthesis half a billion years before the Great Oxidation Event. Nature Geoscience, 2014, 7, 283-286.	5.4	444
2	Large colonial organisms with coordinated growth in oxygenated environments 2.1â€‰Gyr ago. Nature, 2010, 466, 100-104.	13.7	235
3	Two-step deoxygenation at the end of the Paleoproterozoic Lomagundi Event. Earth and Planetary Science Letters, 2018, 486, 70-83.	1.8	58
4	A lithium-isotope perspective on the evolution of carbon and silicon cycles. Nature, 2021, 595, 394-398.	13.7	56
5	Aerobic iron and manganese cycling in a redox-stratified Mesoarchean epicontinental sea. Earth and Planetary Science Letters, 2018, 500, 28-40.	1.8	54
6	A Mesoarchean shift in uranium isotope systematics. Geochimica Et Cosmochimica Acta, 2018, 238, 438-452.	1.6	52
7	Limited oxygen production in the Mesoarchean ocean. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6647-6652.	3.3	42
8	Unusual manganese enrichment in the Mesoarchean Mozaan Group, Pongola Supergroup, South Africa. Precambrian Research, 2016, 281, 414-433.	1.2	35
9	Exceptional preservation of expandable clay minerals in the ca. 2.1Ga black shales of the Francevillian basin, Gabon and its implication for atmospheric oxygen accumulation. Chemical Geology, 2013, 362, 181-192.	1.4	31
10	The Sedimentary Geochemistry and Paleoenvironments Project. Geobiology, 2021, 19, 545-556.	1.1	26
11	Chromium isotope systematics and the diagenesis of marine carbonates. Earth and Planetary Science Letters, 2021, 562, 116824.	1.8	24
12	Uranium isotope evidence for Mesoarchean biological oxygen production in shallow marine and continental settings. Earth and Planetary Science Letters, 2020, 551, 116583.	1.8	13
13	Cause and timing of the thermal over-maturation of hydrocarbon source rocks of the Ecca Group (Main Karoo Basin, South Africa). Marine and Petroleum Geology, 2018, 91, 480-500.	1.5	10
14	Hydrothermal clay mineral formation in the uraniferous Paleoproterozoic FA Formation, Francevillian basin, Gabon. Precambrian Research, 2014, 246, 134-149.	1.2	8
15	Restricted Oxygenâ€Deficient Basins on the Northern European Epicontinental Shelf Across the Toarcian Carbon Isotope Excursion Interval. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004207.	1.3	8
16	Variolites of the Paleoproterozoic Hekpoort Formation (Transvaal sub-basin, Kaapvaal craton): Multistage undercooling textures?. Lithos, 2018, 316-317, 48-65.	0.6	7
17	Evidence for local carbonâ€cycle perturbations superimposed on the Toarcian carbon isotope excursion. Geobiology, 2020, 18, 682-709.	1.1	7
18	Constraining provenance for the uraniferous Paleoproterozoic Francevillian Group sediments (Gabon) with detrital zircon geochronology and geochemistry. Precambrian Research, 2020, 343, 105724.	1.2	6

#	Article	IF	Citations
19	Mesoarchaean acidic volcanic lakes: A critical ecological niche in early land colonisation. Earth and Planetary Science Letters, 2021, 556, 116725.	1.8	6
20	The Paleoproterozoic Francevillian succession of Gabon and the Lomagundi-Jatuli event: COMMENT. Geology, 2021, 49, e527-e527.	2.0	6
21	Preservation and Distributions of Covalently Bound Polyaromatic Hydrocarbons in Ancient Biogenic Kerogens and Insoluble Organic Macromolecules. Astrobiology, 2021, 21, 1049-1075.	1.5	5
22	Reply to the comment by PrÃ©at and Weber on. Earth and Planetary Science Letters, 2019, 511, 259-261.	1.8	3
23	Limited expression of the Paleoproterozoic Oklo natural nuclear reactor phenomenon in the aftermath of a widespread deoxygenation event ~2.11â€“2.06 billion years ago. Chemical Geology, 2021, 578, 120315.	1.4	3