

Matthew S Dodd

List of Publications by Year in descending order

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25
papers

1,228
citations

623734

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580821

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docs citations

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times ranked

1397
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosignatures Associated with Organic Matter in Late Paleoproterozoic Stromatolitic Dolomite and Implications for Martian Carbonates. <i>Astrobiology</i> , 2022, 22, 49-74.	3.0	7
2	Barite in the Ediacaran Doushantuo Formation and its implications for marine carbon cycling during the largest negative carbon isotope excursion in Earth's history. <i>Precambrian Research</i> , 2022, 368, 106485.	2.7	5
3	Extensive primary production promoted the recovery of the Ediacaran Shuram excursion. <i>Nature Communications</i> , 2022, 13, 148.	12.8	14
4	Abiotic anoxic iron oxidation, formation of Archean banded iron formations, and the oxidation of early Earth. <i>Earth and Planetary Science Letters</i> , 2022, 584, 117469.	4.4	14
5	Metabolically diverse primordial microbial communities in Earth's oldest seafloor-hydrothermal jasper. <i>Science Advances</i> , 2022, 8, eabm2296.	10.3	24
6	Organic diagenesis in stromatolitic dolomite and chert from the late Palaeoproterozoic McLeary Formation. <i>Precambrian Research</i> , 2021, 354, 106052.	2.7	6
7	Development of carbonate-associated phosphate (CAP) as a proxy for reconstructing ancient ocean phosphate levels. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 301, 48-69.	3.9	22
8	Chemically Oscillating Reactions during the Diagenetic Formation of Ediacaran Siliceous and Carbonate Botryoids. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1060.	2.0	9
9	Dynamic carbon and sulfur cycling in the aftermath of the Lomagundi-Jatuli Event: Evidence from the Paleoproterozoic Hutuo Supergroup, North China Craton. <i>Precambrian Research</i> , 2020, 337, 105549.	2.7	6
10	Glacial origin of the Cryogenian Nantuo Formation in eastern Shennongjia area (South China): Implications for macroalgal survival. <i>Precambrian Research</i> , 2020, 351, 105969.	2.7	10
11	Chemically oscillating reactions in the formation of botryoidal malachite. <i>American Mineralogist</i> , 2020, 105, 447-454.	1.9	14
12	The catalytic role of planktonic aerobic heterotrophic bacteria in protodolomite formation: Results from Lake Jibuhulangtu Nuur, Inner Mongolia, China. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 263, 31-49.	3.9	35
13	Minimal biomass deposition in banded iron formations inferred from organic matter and clay relationships. <i>Nature Communications</i> , 2019, 10, 5022.	12.8	11
14	Fossil biomass preserved as graphitic carbon in a late Paleoproterozoic banded iron formation metamorphosed at more than 550°C. <i>Journal of the Geological Society</i> , 2019, 176, 651-668.	2.1	5
15	Widespread occurrences of variably crystalline ¹³ C-depleted graphitic carbon in banded iron formations. <i>Earth and Planetary Science Letters</i> , 2019, 512, 163-174.	4.4	28
16	Organic remains in late Palaeoproterozoic granular iron formations and implications for the origin of granules. <i>Precambrian Research</i> , 2018, 310, 133-152.	2.7	20
17	Evidence for early life in Earth's oldest hydrothermal vent precipitates. <i>Nature</i> , 2017, 543, 60-64.	27.8	522
18	Chemically-oscillating reactions during the diagenetic oxidation of organic matter and in the formation of granules in late Palaeoproterozoic chert from Lake Superior. <i>Chemical Geology</i> , 2017, 470, 33-54.	3.3	27

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19	High-precision analysis of multiple sulfur isotopes using NanoSIMS. <i>Chemical Geology</i> , 2016, 420, 148-161.	3.3	35
20	Terminal Proterozoic cyanobacterial blooms and phosphogenesis documented by the Doushantuo granular phosphorites II: Microbial diversity and C isotopes. <i>Precambrian Research</i> , 2014, 251, 62-79.	2.7	39
21	Terminal Proterozoic cyanobacterial blooms and phosphogenesis documented by the Doushantuo granular phosphorites I: In situ micro-analysis of textures and composition. <i>Precambrian Research</i> , 2013, 235, 20-35.	2.7	61
22	Biological carbon precursor to diagenetic siderite with spherical structures in iron formations. <i>Nature Communications</i> , 2013, 4, 1741.	12.8	85
23	Ancient graphite in the Eoarchean quartz-pyroxene rocks from Akilia in southern West Greenland I: Petrographic and spectroscopic characterization. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5862-5883.	3.9	55
24	Ancient graphite in the Eoarchean quartz-pyroxene rocks from Akilia in southern West Greenland II: Isotopic and chemical compositions and comparison with Paleoproterozoic banded iron formations. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5884-5905.	3.9	47
25	Multiple sulfur isotopes from Paleoproterozoic Huronian interglacial sediments and the rise of atmospheric oxygen. <i>Earth and Planetary Science Letters</i> , 2007, 255, 188-212.	4.4	127