Dominic Papineau

List of Publications by Year
in descending order

43 papers	3,029 citations	304743 22 h-index	276875 41 g-index
44 all docs	44 docs citations	44 times ranked	3120 citing authors

#	Article	IF	Citations
1	Biosignatures Associated with Organic Matter in Late Paleoproterozoic Stromatolitic Dolomite and Implications for Martian Carbonates. Astrobiology, 2022, 22, 49-74.	3.0	7
2	Cyanobacterial spheroids and other biosignatures from microdigitate stromatolites of Mesoproterozoic Wumishan Formation in Jixian, North China. Precambrian Research, 2022, 368, 106496.	2.7	7
3	Extensive primary production promoted the recovery of the Ediacaran Shuram excursion. Nature Communications, 2022, 13, 148.	12.8	14
4	Metabolically diverse primordial microbial communities in Earthâ€™s oldest seafloor-hydrothermal jasper. Science Advances, 2022, 8, eabm2296.	10.3	24
5	Characteristics of the carbon cycle in late Mesoproterozoic: Evidence from carbon isotope composition of paired carbonate and organic matter of the Shennongjia Group in South China. Precambrian Research, 2022, 377, 106726.	2.7	5
6	Organic diagenesis in stromatolitic dolomite and chert from the late Palaeoproterozoic McLeary Formation. Precambrian Research, 2021, 354, 106052.	2.7	6
7	Chemically Oscillating Reactions during the Diagenetic Formation of Ediacaran Siliceous and Carbonate Botryoids. Minerals (Basel, Switzerland), 2021, 11, 1060.	2.0	9
8	Transformation of protodolomite to dolomite proceeds under dry-heating conditions. Earth and Planetary Science Letters, 2021, 576, 117249.	4.4	15
9	Precipitation of protodolomite facilitated by sulfate-reducing bacteria: The role of capsule extracellular polymeric substances. Chemical Geology, 2020, 533, 119415.	3.3	31
10	Dynamic carbon and sulfur cycling in the aftermath of the Lomagundi-Jatuli Event: Evidence from the Paleoproterozoic Hutuo Supergroup, North China Craton. Precambrian Research, 2020, 337, 105549.	2.7	6
11	Abiotic and biotic processes that drive carboxylation and decarboxylation reactions. American Mineralogist, 2020, 105, 609-615.	1.9	13
12	Chemically oscillating reactions in the formation of botryoidal malachite. American Mineralogist, 2020, 105, 447-454.	1.9	14
13	Apatite-glaucony association in the Ediacaran Doushantuo Formation, South China and implications for marine redox conditions. Precambrian Research, 2020, 347, 105842.	2.7	13
14	Catalytic effect of microbially-derived carboxylic acids on the precipitation of Mg-calcite and disordered dolomite: Implications for sedimentary dolomite formation. Journal of Asian Earth Sciences, 2020, 193, 104301.	2.3	15
15	The catalytic role of planktonic aerobic heterotrophic bacteria in protodolomite formation: Results from Lake Jibuhulangtu Nuur, Inner Mongolia, China. Geochimica Et Cosmochimica Acta, 2019, 263, 31-49.	3.9	35
16	Deciphering Biosignatures in Planetary Contexts. Astrobiology, 2019, 19, 1075-1102.	3.0	66
17	Minimal biomass deposition in banded iron formations inferred from organic matter and clay relationships. Nature Communications, 2019, 10, 5022.	12.8	11
18	Fossil biomass preserved as graphitic carbon in a late Paleoproterozoic banded iron formation metamorphosed at more than 550Â°C. Journal of the Geological Society, 2019, 176, 651-668.	2.1	5

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19	Widespread occurrences of variably crystalline 13C-depleted graphitic carbon in banded iron formations. Earth and Planetary Science Letters, 2019, 512, 163-174.	4.4	28
20	Experimental evidence for abiotic formation of low-temperature proto-dolomite facilitated by clay minerals. Geochimica Et Cosmochimica Acta, 2019, 247, 83-95.	3.9	81
21	An integrated chemostratigraphic (Î´13C-Î´18O-87Sr/86Sr-Î´15N) study of the Doushantuo Formation in western Hubei Province, South China. Precambrian Research, 2019, 320, 232-252.	2.7	22
22	Organic remains in late Palaeoproterozoic granular iron formations and implications for the origin of granules. Precambrian Research, 2018, 310, 133-152.	2.7	20
23	Evidence for early life in Earthâ€™s oldest hydrothermal vent precipitates. Nature, 2017, 543, 60-64.	27.8	522
24	Chemically-oscillating reactions during the diagenetic oxidation of organic matter and in the formation of granules in late Palaeoproterozoic chert from Lake Superior. Chemical Geology, 2017, 470, 33-54.	3.3	27
25	The termination and aftermath of the Lomagundi-Jatuli carbon isotope excursions in the Paleoproterozoic Hutuo Group, North China. Journal of Earth Science (Wuhan, China), 2016, 27, 297-316.	3.2	14
26	New observations of Ambient Inclusion Trails (AITs) and pyrite framboids in the Ediacaran Doushantuo Formation, South China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 461, 374-388.	2.3	8
27	High-precision analysis of multiple sulfur isotopes using NanoSIMS. Chemical Geology, 2016, 420, 148-161.	3.3	35
28	Terminal Proterozoic cyanobacterial blooms and phosphogenesis documented by the Doushantuo granular phosphorites II: Microbial diversity and C isotopes. Precambrian Research, 2014, 251, 62-79.	2.7	39
29	Terminal Proterozoic cyanobacterial blooms and phosphogenesis documented by the Doushantuo granular phosphorites I: In situ micro-analysis of textures and composition. Precambrian Research, 2013, 235, 20-35.	2.7	61
30	Biological carbon precursor to diagenetic siderite with spherical structures in iron formations. Nature Communications, 2013, 4, 1741.	12.8	85
31	High phosphate availability as a possible cause for massive cyanobacterial production of oxygen in the Paleoproterozoic atmosphere. Earth and Planetary Science Letters, 2013, 362, 225-236.	4.4	50
32	7.7 The Earliest Phosphorites: Radical Change in the Phosphorus Cycle During the Palaeoproterozoic. Frontiers in Earth Sciences, 2013, , 1275-1296.	0.1	2
33	A Chronostratigraphic Division of the Precambrian. , 2012, , 299-392.		69
34	Carbon isotope geochemistry and geochronological constraints of the Neoproterozoic Sirohi Group from northwest India. Precambrian Research, 2012, 220-221, 80-90.	2.7	41
35	Global Biogeochemical Changes at Both Ends of the Proterozoic: Insights from Phosphorites. Astrobiology, 2010, 10, 165-181.	3.0	150
36	Ancient graphite in the Eoarchean quartzâ€“pyroxene rocks from Akilia in southern West Greenland I: Petrographic and spectroscopic characterization. Geochimica Et Cosmochimica Acta, 2010, 74, 5862-5883.	3.9	55

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37	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. Geochimica Et Cosmochimica Acta, 2010, 74, 5884-5905.	3.9	47
38	Oceanic nickel depletion and a methanogen famine before the Great Oxidation Event. Nature, 2009, 458, 750-753.	27.8	397
39	High primary productivity and nitrogen cycling after the Paleoproterozoic phosphogenic event in the Aravalli Supergroup, India. Precambrian Research, 2009, 171, 37-56.	2.7	76
40	Mineral evolution. American Mineralogist, 2008, 93, 1693-1720.	1.9	569
41	Session 15. The Evolution of the Biogeochemical Cycling of Phosphorus and Other Bioessential Elements. Astrobiology, 2008, 8, 356-361.	3.0	0
42	Multiple sulfur isotopes from Paleoproterozoic Huronian interglacial sediments and the rise of atmospheric oxygen. Earth and Planetary Science Letters, 2007, 255, 188-212.	4.4	127
43	Composition and Structure of Microbial Communities from Stromatolites of Hamelin Pool in Shark Bay, Western Australia. Applied and Environmental Microbiology, 2005, 71, 4822-4832.	3.1	203