Martin J Van Kranendonk

List of Publications by Year
in descending order

150 papers	10,549 citations	25014 57 h-index	33869 99 g-index
157 all docs	157 docs citations	157 times ranked	5340 citing authors

#	Article	IF	Citations
1	Questioning the evidence for Earth's oldest fossils. Nature, 2002, 416, 76-81.	13.7	866
2	Self-Assembled Silica-Carbonate Structures and Detection of Ancient Microfossils. Science, 2003, 302, 1194-1197.	6.0	463
3	Rapid emergence of life shown by discovery of 3,700-million-year-old microbial structures. Nature, 2016, 537, 535-538.	13.7	458
4	Review: secular tectonic evolution of Archean continental crust: interplay between horizontal and vertical processes in the formation of the Pilbara Craton, Australia. Terra Nova, 2007, 19, 1-38.	0.9	370
5	Early Archaean Microorganisms Preferred Elemental Sulfur, Not Sulfate. Science, 2007, 317, 1534-1537.	6.0	318
6	Geological and trace element evidence for a marine sedimentary environment of deposition and biogenicity of 3.45 Ga stromatolitic carbonates in the Pilbara Craton, and support for a reducing Archaean ocean. Geobiology, 2003, 1, 91-108.	1.1	295
7	Volcanic degassing, hydrothermal circulation and the flourishing of early life on Earth: A review of the evidence from c. 3490-3240 Ma rocks of the Pilbara Supergroup, Pilbara Craton, Western Australia. Earth-Science Reviews, 2006, 74, 197-240.	4.0	279
8	A non-marine depositional setting for the northern Fortescue Group, Pilbara Craton, inferred from trace element geochemistry of stromatolitic carbonates. Precambrian Research, 2007, 155, 229-250.	1.2	271
9	Formation of Paleoarchean continental crust through infracrustal melting of enriched basalt. Earth and Planetary Science Letters, 2009, 281, 298-306.	1.8	251
10	Partial convective overturn of Archaean crust in the east Pilbara Craton, Western Australia: driving mechanisms and tectonic implications. Journal of Structural Geology, 1998, 20, 1405-1424.	1.0	235
11	Critical tests of vertical vs. horizontal tectonic models for the Archaean East Pilbara Graniteâ€“Greenstone Terrane, Pilbara Craton, Western Australia. Precambrian Research, 2004, 131, 173-211.	1.2	221
12	Modern-style subduction processes in the Mesoarchaean: Geochemical evidence from the 3.12 Ga Whundo intra-oceanic arc. Earth and Planetary Science Letters, 2005, 231, 221-237.	1.8	221
13	Geology and Tectonic Evolution of the Archean North Pilbara Terrain, Pilbara Craton, Western Australia. Economic Geology, 2002, 97, 695-732.	1.8	199
14	Geological setting of Earth's oldest fossils in the ca. 3.5Ga Dresser Formation, Pilbara Craton, Western Australia. Precambrian Research, 2008, 167, 93-124.	1.2	192
15	Earliest signs of life on land preserved in ca. 3.5 Ga hot spring deposits. Nature Communications, 2017, 8, 15263.	5.8	192
16	Two types of Archean continental crust: Plume and plate tectonics on early Earth. Numerische Mathematik, 2010, 310, 1187-1209.	0.7	183
17	It started with a plume â€“ early Archaean basaltic proto-continental crust. Earth and Planetary Science Letters, 2005, 238, 284-297.	1.8	180
18	The Mesoarchean emergence of modern-style subduction. Gondwana Research, 2007, 11, 50-68.	3.0	165

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19	Structural characterization of kerogen in 3.4Ga Archaean cherts from the Pilbara Craton, Western Australia. Precambrian Research, 2007, 155, 1-23.	1.2	148
20	A trace element study of sideriteâ€“jasper banded iron formation in the 3.45Ga Warrawoona Group, Pilbara Cratonâ€”Formation from hydrothermal fluids and shallow seawater. Precambrian Research, 2005, 137, 93-114.	1.2	140
21	Diverse microstructures from Archaean chert from the Mount Goldsworthyâ€“Mount Grant area, Pilbara Craton, Western Australia: Microfossils, dubiofossils, or pseudofossils?. Precambrian Research, 2007, 158, 228-262.	1.2	123
22	Geochemistry of metabasalts and hydrothermal alteration zones associated withc.3.45â€‰Ga chert and barite deposits: implications for the geological setting of the Warrawoona Group, Pilbara Craton, Australia. Geochemistry: Exploration, Environment, Analysis, 2004, 4, 253-278.	0.5	113
23	Cool greenstone drips and the role of partial convective overturn in Barberton greenstone belt evolution. Journal of African Earth Sciences, 2011, 60, 346-352.	0.9	111
24	Comparing petrographic signatures of bioalteration in recent to Mesoarchean pillow lavas: Tracing subsurface life in oceanic igneous rocks. Precambrian Research, 2007, 158, 156-176.	1.2	103
25	Petrogenesis and Geochemistry of Archean Komatiites. Journal of Petrology, 2016, 57, 147-184.	1.1	96
26	Making it thick: a volcanic plateau origin of Palaeoarchean continental lithosphere of the Pilbara and Kaapvaal cratons. Geological Society Special Publication, 2015, 389, 83-111.	0.8	95
27	Microbial life and biogeochemical cycling on land 3,220 million years ago. Nature Geoscience, 2018, 11, 665-671.	5.4	95
28	Hafnium and iron isotopes in early Archean komatiites record a plume-driven convection cycle in the Hadean Earth. Earth and Planetary Science Letters, 2014, 397, 111-120.	1.8	94
29	Biogenicity of Morphologically Diverse Carbonaceous Microstructures from the ca. 3400â€‰Ma Strelley Pool Formation, in the Pilbara Craton, Western Australia. Astrobiology, 2010, 10, 899-920.	1.5	93
30	Long-lived, autochthonous development of the Archean Murchison Domain, and implications for Yilgarn Craton tectonics. Precambrian Research, 2013, 229, 49-92.	1.2	92
31	Constraining atmospheric oxygen and seawater sulfate concentrations during Paleoproterozoic glaciation: In situ sulfur three-isotope microanalysis of pyrite from the Turee Creek Group, Western Australia. Geochimica Et Cosmochimica Acta, 2011, 75, 5686-5705.	1.6	89
32	Direct dating of Archean microbial ichnofossils. Geology, 2007, 35, 487.	2.0	87
33	Early Earth evolution: evidence from the 3.5â€“1.8 Ga geological history of the Pilbara region of Western Australia. Episodes, 2012, 35, 283-297.	0.8	86
34	Age, lithology and structural evolution of the c. 3.53ÂGa Theespruit Formation in the Tjakastad area, southwestern Barberton Greenstone Belt, South Africa, with implications for Archaean tectonics. Chemical Geology, 2009, 261, 115-139.	1.4	85
35	On the Geologic Time Scale 2008. Newsletters on Stratigraphy, 2008, 43, 5-13.	0.5	84
36	Onset of Plate Tectonics. Science, 2011, 333, 413-414.	6.0	83

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37	Conductive incubation and the origin of dome-and-keel structure in Archean granite-greenstone terrains: A model based on the eastern Pilbara Craton, Western Australia. Tectonics, 2004, 23, n/a-n/a.	1.3	82
38	Evidence for Mesoarchean (â^¼3.2Ga) rifting of the Pilbara Craton: The missing link in an early Precambrian Wilson cycle. Precambrian Research, 2010, 177, 145-161.	1.2	82
39	Globally asynchronous sulphur isotope signals require re-definition of the Great Oxidation Event. Nature Communications, 2018, 9, 2245.	5.8	82
40	Chapter 4.1 Paleoarchean Development of a Continental Nucleus: the East Pilbara Terrane of the Pilbara Craton, Western Australia. Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana, 2007, , 307-337.	0.2	81
41	Geochemistry and tectonic setting of basalts from the Eastern Goldfields Superterrane. Australian Journal of Earth Sciences, 2012, 59, 707-735.	0.4	76
42	An anoxic, Fe(II)-rich, U-poor ocean 3.46 billion years ago. Geochimica Et Cosmochimica Acta, 2013, 120, 65-79.	1.6	76
43	Archean andesites in the east Yilgarn craton, Australia: Products of plume-crust interaction?. Lithosphere, 2014, 6, 80-92.	0.6	75
44	Moâ€“Cr isotope evidence for a reducing Archean atmosphere in 3.46â€“2.76Ga black shales from the Pilbara, Western Australia. Chemical Geology, 2013, 340, 68-76.	1.4	73
45	Just another drip: Re-analysis of a proposed Mesoarchean suture from the Barberton Mountain Land, South Africa. Precambrian Research, 2014, 254, 19-35.	1.2	73
46	The potential science and engineering value of samples delivered to Earth by Mars sample return. Meteoritics and Planetary Science, 2019, 54, S3.	0.7	73
47	Paleoproterozoic tectonic assembly of Northeast Laurentia through multiple indentations. Precambrian Research, 1993, 63, 325-347.	1.2	72
48	A Chronostratigraphic Division of the Precambrian. , 2012, , 299-392.		69
49	Age and significance of voluminous maficâ€“ultramafic magmatic events in the Murchison Domain, Yilgarn Craton. Australian Journal of Earth Sciences, 2010, 57, 597-614.	0.4	67
50	What makes you tick? The psychology of social media engagement in space science communication. Computers in Human Behavior, 2017, 68, 480-492.	5.1	67
51	Nanoâ^porous pyrite and organic matter in 3.5-billion-year-old stromatolites record primordial life. Geology, 2019, 47, 1039-1043.	2.0	67
52	Ruthenium isotope vestige of Earthâ€™s pre-late-veneer mantle preserved in Archaean rocks. Nature, 2020, 579, 240-244.	13.7	67
53	Uâ€“Pb geochronology of deformation and metamorphism across a central transect of the Early Proterozoic Torngat Orogen, North River map area, Labrador. Canadian Journal of Earth Sciences, 1993, 30, 1470-1489.	0.6	66
54	Development of in situ sulfur four-isotope analysis with multiple Faraday cup detectors by SIMS and application to pyrite grains in a Paleoproterozoic glaciogenic sandstone. Chemical Geology, 2014, 383, 86-99.	1.4	64

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55	Influence of Hadean crust evident in basalts and cherts from the Pilbara Craton. Nature Geoscience, 2010, 3, 214-217.	5.4	63
56	Model for the development of kyanite during partial convective overturn of Archean graniteâ€“greenstone terranes: the Pilbara Craton, Australia. Journal of Metamorphic Geology, 1999, 17, 145-156.	1.6	62
57	Timing and tectonic significance of Late Archaean, sinistral strike-slip deformation in the Central Pilbara Structural Corridor, Pilbara Craton, Western Australia. Precambrian Research, 1998, 88, 207-232.	1.2	61
58	Review of hydrothermal processes and systems on Earth and implications for Martian analogues. Australian Journal of Earth Sciences, 2005, 52, 329-351.	0.4	61
59	The Case for Ancient Hot Springs in Gusev Crater, Mars. Astrobiology, 2020, 20, 475-499.	1.5	56
60	The Juvenile Hafnium Isotope Signal as a Record of Supercontinent Cycles. Scientific Reports, 2016, 6, 38503.	1.6	53
61	Zircon Luâ€“Hf isotopes and granite geochemistry of the Murchison Domain of the Yilgarn Craton: Evidence for reworking of Eoarchean crust during Meso-Neoarchean plume-driven magmatism. Lithos, 2012, 148, 112-127.	0.6	51
62	Orogenic climax of Earth: The 1.2-1.1 Ga Grenvillian superevent. Geology, 2013, 41, 735-738.	2.0	51
63	Sulfur-cycling fossil bacteria from the 1.8-Ga Duck Creek Formation provide promising evidence of evolution's null hypothesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2087-2092.	3.3	51
64	A Paleoarchean coastal hydrothermal field inhabited by diverse microbial communities: the Strelley Pool Formation, Pilbara Craton, Western Australia. Geobiology, 2015, 13, 522-545.	1.1	48
65	Continuously increasing Î´98 Mo values in Neoarchean black shales and iron formations from the Hamersley Basin. Geochimica Et Cosmochimica Acta, 2015, 164, 523-542.	1.6	48
66	Conditioned duality of the Earth system: Geochemical tracing of the supercontinent cycle through Earth history. Earth-Science Reviews, 2016, 160, 171-187.	4.0	46
67	Morphology as an Indictor of Biogenicity for 3.5â€“3.2 Ga Fossil Stromatolites from the Pilbara Craton, Western Australia. Lecture Notes in Earth Sciences, 2011, , 537-554.	0.5	43
68	Ideas and perspectives: hydrothermally driven redistribution and sequestration of early Archaean biomass â€“ the â€œhydrothermal pump hypothesisâ€• Biogeosciences, 2018, 15, 1535-1548.	1.3	42
69	A Rare Glimpse of Paleoarchean Life: Geobiology of an Exceptionally Preserved Microbial Mat Facies from the 3.4 Ga Strelley Pool Formation, Western Australia. PLoS ONE, 2016, 11, e0147629.	1.1	42
70	Life Springs. Scientific American, 2017, 317, 28-35.	1.0	41
71	Oxygen isotopes in Pilbara Craton zircons support a global increase in crustal recycling at 3.2 Ga. Lithos, 2015, 228-229, 90-98.	0.6	39
72	Microstructure-specific carbon isotopic signatures of organic matter from â¼3.5 Ga cherts of the Pilbara Craton support a biologic origin. Precambrian Research, 2016, 275, 429-449.	1.2	39

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73	Tectonic evolution of the Paleoproterozoic Torngat Orogen: Evidence from pressure-temperature-time-deformation paths in the North River map area, Labrador. Tectonics, 1996, 15, 843-869.	1.3	38
74	Sedimentology of the Paleoproterozoic Kungarra Formation, Turee Creek Group, Western Australia: A conformable record of the transition from early to modern Earth. Precambrian Research, 2015, 256, 314-343.	1.2	35
75	Elements for the Origin of Life on Land: A Deep-Time Perspective from the Pilbara Craton of Western Australia. Astrobiology, 2021, 21, 39-59.	1.5	35
76	Early traces of life investigations in drilling Archean hydrothermal and sedimentary rocks of the Pilbara Craton, Western Australia and Barberton Greenstone Belt, South Africa. Comptes Rendus - Palevol, 2009, 8, 649-663.	0.1	34
77	Fifty years of the Eoarchean and the case for evolving uniformitarianism. Precambrian Research, 2021, 367, 106442.	1.2	31
78	Chapter 4.2 The Oldest Well-Preserved Felsic Volcanic Rocks on Earth: Geochemical Clues to the Early Evolution of the Pilbara Supergroup and Implications for the Growth of a Paleoarchean Protocontinent. Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana, 2007, 15, 339-367.	0.2	30
79	Cross-examining Earthâ€™s oldest stromatolites: Seeing through the effects of heterogeneous deformation, metamorphism and metasomatism affecting Isua (Greenland)â€ˆâˆ¼3700â€Ma sedimentary rocks. Precambrian Research, 2019, 331, 105347.	1.2	30
80	Two Paleoproterozoic glacio-eustatic cycles in the Turee Creek Group, Western Australia. Bulletin of the Geological Society of America, 2015, 127, 596-607.	1.6	29
81	Interplay between deformation and magmatism during doming of the Archaean Shaw Granitoid Complex, Pilbara Craton, Western Australia. Precambrian Research, 2004, 131, 213-230.	1.2	27
82	Chapter 7.2 A Review of the Evidence for Putative Paleoarchean Life in the Pilbara Craton, Western Australia. Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana, 2007, , 855-877.	0.2	27
83	When did plate tectonics begin? Evidence from the orogenic record. , 2008, , 199-228.		27
84	Lipid Biomarker and Isotopic Study of Community Distribution and Biomarker Preservation in a Laminated Microbial Mat from Shark Bay, Western Australia. Microbial Ecology, 2015, 70, 459-472.	1.4	25
85	Lacustrine facies dependence of highly 13C-depleted organic matter during the global age of methanotrophy. Precambrian Research, 2016, 285, 216-241.	1.2	25
86	A multistage origin for Neoarchean layered hematite-magnetite iron formation from the Weld Range, Yilgarn Craton, Western Australia. Chemical Geology, 2018, 488, 125-137.	1.4	25
87	Convective isolation of Hadean mantle reservoirs through Archean time. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
88	The Palaeoproterozoic Southeastern Churchill Province of Labrador-Quebec, Canada: orogenic development as a consequence of oblique collision and indentation. Geological Society Special Publication, 1996, 112, 137-153.	0.8	24
89	A marine to fluvial transition in the Paleoproterozoic Koolbye Formation, Turee Creek Group, Western Australia. Precambrian Research, 2015, 258, 161-170.	1.2	24
90	Continent formation through time. Geological Society Special Publication, 2015, 389, 1-16.	0.8	24

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91	Biomolecules from Fossilized Hot Spring Sinters: Implications for the Search for Life on Mars. Astrobiology, 2020, 20, 537-551.	1.5	24
92	A Reconstructed Subaerial Hot Spring Field in the â^¼3.5 Billion-Year-Old Dresser Formation, North Pole Dome, Pilbara Craton, Western Australia. Astrobiology, 2021, 21, 1-38.	1.5	24
93	Modern Subsurface Bacteria in Pristine 2.7 Ga-Old Fossil Stromatolite Drillcore Samples from the Fortescue Group, Western Australia. PLoS ONE, 2009, 4, e5298.	1.1	23
94	Palaeoproterozoic terrestrial sedimentation in the Beasley River Quartzite, lower Wyloo Group, Western Australia. Precambrian Research, 2013, 231, 98-105.	1.2	22
95	Sedimentology, chemostratigraphy, and stromatolites of lower Paleoproterozoic carbonates, Turee Creek Group, Western Australia. Precambrian Research, 2015, 266, 194-211.	1.2	22
96	Genomic adaptations enabling Acidithiobacillus distribution across wide-ranging hot spring temperatures and pHs. Microbiome, 2021, 9, 135.	4.9	22
97	The Timing of Mineralization in the Archean North Pilbara Terrain, Western Australia. Economic Geology, 2002, 97, 733-755.	1.8	20
98	Lithostratigraphic analysis of a new stromatoliteâ€“thrombolite reef from across the rise of atmospheric oxygen in the Paleoproterozoic Turee Creek Group, Western Australia. Geobiology, 2016, 14, 317-343.	1.1	19
99	Accumulation of transition metals and metalloids in sulfidized stromatolites of the 3.48 billionâ€“yearâ€“old Dresser Formation, Pilbara Craton. Precambrian Research, 2020, 337, 105534.	1.2	19
100	Sulfidization of 3.48Âbillion-year-old stromatolites of the Dresser Formation, Pilbara Craton: Constraints from in-situ sulfur isotope analysis of pyrite. Chemical Geology, 2020, 538, 119488.	1.4	19
101	Evolution of the early to late Archean mantle from Hf-Nd-Ce isotope systematics in basalts and komatiites from the Pilbara Craton. Earth and Planetary Science Letters, 2021, 553, 116627.	1.8	19
102	Stromatolitic digitate sinters form under wideâ€ranging physicochemical conditions with diverseÂhot spring microbial communities. Geobiology, 2020, 18, 619-640.	1.1	18
103	Origin of fine-scale sheeted granites by incremental injection of magma into active shear zones: examples from the Pilbara Craton, NW Australia. Lithos, 2002, 61, 127-139.	0.6	17
104	Protracted fluidâ€“rock interaction in the Mesoarchaean and implication for gold mineralization: Example from the Warrawoona syncline (Pilbara, Western Australia). Earth and Planetary Science Letters, 2008, 272, 639-655.	1.8	16
105	SIMS microanalysis of the Strelley Pool Formation cherts and the implications for the secular-temporal oxygen-isotope trend of cherts. Precambrian Research, 2018, 304, 125-139.	1.2	16
106	Formation of microâ€spherulitic barite in association with organic matter within sulfidized stromatolites of the 3.48 billionâ€yearâ€old Dresser Formation, Pilbara Craton. Geobiology, 2020, 18, 415-425.	1.1	16
107	Chapter 8.6 Tectonics of Early Earth. Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana, 2007, 15, 1105-1116.	0.2	15
108	A crystallographic study of crystalline casts and pseudomorphs from the 3.5â€…Ga Dresser Formation, Pilbara Craton (Australia). Journal of Applied Crystallography, 2018, 51, 1050-1058.	1.9	15

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109	Boron Isotopes in the Puga Geothermal System, India, and Their Implications for the Habitat of Early Life. Astrobiology, 2019, 19, 1459-1473.	1.5	15
110	Comment on â€œEvidence for multiphase deformation in the Archaean basal Warrawoona group in the Marble Bar area, East Pilbara, Western Australiaâ€•by van Haaften, W.M., White, S.H., 1998. Precambrian Research, 2001, 105, 73-78.	1.2	14
111	Paleoarchean Development of a Continental Nucleus. , 2019, , 437-462.		14
112	Low Î´18O zircon grains in the Neoarchean Rum Jungle Complex, northern Australia: An indicator of emergent continental crust. Lithosphere, 2014, 6, 17-25.	0.6	13
113	Carbonates and cherts as archives of seawater chemistry and habitability on a carbonate platform 3.35ÂGa ago: Insights from Sm/Nd dating and trace element analysis from the Strelley Pool Formation, Western Australia. Precambrian Research, 2020, 344, 105742.	1.2	13
114	Crustal-scale flexural slip folding during late tectonic amplification of an orogenic boundary perturbation in the Paleoproterozoic Torngat Orogen, northeastern Canada. Canadian Journal of Earth Sciences, 1997, 34, 1545-1565.	0.6	12
115	Early Archean biogeochemical iron cycling and nutrient availability: New insights from a 3.5ÂGa land-sea transition. Earth-Science Reviews, 2022, 228, 103992.	4.0	12
116	The potential science and engineering value of samples delivered to Earth by Mars sample return. Meteoritics and Planetary Science, 2019, 54, 667-671.	0.7	11
117	Burwell domain of the Palaeoproterozoic Torngat Orogen, northeastern Canada: tilted cross-section of a magmatic are caught between a rock and a hard place. Geological Society Special Publication, 1996, 112, 91-115.	0.8	10
118	Micro-bioerosion in volcanic glass: extending the ichnofossil record to Archaean basaltic crust. , 2008, , 371-396.		10
119	Phosphogenesis in the immediate aftermath of the Great Oxidation Event: Evidence from the Turee Creek Group, Western Australia. Precambrian Research, 2019, 320, 193-212.	1.2	9
120	The role of magmatic fluids in the ~3.48 Ga Dresser Caldera, Pilbara Craton: New insights from the geochemical investigation of hydrothermal alteration. Precambrian Research, 2021, 362, 106299.	1.2	9
121	Reconstruction of a 3700â€¯Ma transgressive marine environment from Isua (Greenland): Sedimentology, stratigraphy and geochemical signatures. Lithos, 2019, 346-347, 105164.	0.6	8
122	Phreatomagmatic boulder conglomerates at the tip of theca2772ÂMa Black Range dolerite dyke, Pilbara Craton, Western Australia. Australian Journal of Earth Sciences, 2006, 53, 617-630.	0.4	7
123	Correlating trace element compositions, petrology, and Raman spectroscopy data in the â^¼3.46ÂGa Apex chert, Pilbara Craton, Australia. Precambrian Research, 2021, 366, 106415.	1.2	7
124	A magmatic sheet origin for thin metagabbroic anorthosite units in the Fishog subdomain of the southern Central Gneiss Belt, Grenville Province, Ontario. Canadian Journal of Earth Sciences, 1991, 28, 431-446.	0.6	6
125	A whole rock absolute paleointensity determination of dacites from the Duffer Formation (ca. 3.467) Tj ETQq1 1 0.784314 rgBT /Over 2016, 258, 51-62.	0.7	6
126	Depositional Setting of the Fossiliferous, c.3480 Ma Dresser Formation, Pilbara Craton. , 2019, , 985-1006.		6

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127	Structural analysis of syn-depositional hydrothermal veins of the 3.48ÂGa Dresser Formation, Pilbara Craton, Australia. Precambrian Research, 2020, 347, 105844.	1.2	6
128	In support of rare relict â^¼3700 Ma stromatolites from Isua (Greenland). Earth and Planetary Science Letters, 2021, 562, 116850.	1.8	6
129	Oxygen isotopes in detrital zircons: Insight into crustal recycling during the evolution of the Greenland Shield. Lithosphere, 2010, 2, 3-12.	0.6	5
130	Earth's early atmosphere and surface environments: A review. , 2014, , .		5
131	Diverse thrombolites from the c. 2.4ÂGa Turee Creek Group, Western Australia. Precambrian Research, 2020, 338, 105593.	1.2	5
132	Gliding and overthrust nappe tectonics of the Barberton Greenstone Belt revisited: A review of deformation styles and processes. South African Journal of Geology, 2021, 124, 181-210.	0.6	5
133	Automated fault detection in the Arabian Basin. Geophysics, 2022, 87, IM101-IM109.	1.4	5
134	Influence of Metal Ions on Model Protoamphiphilic Vesicular Systems: Insights from Laboratory and Analogue Studies. Life, 2021, 11, 1413.	1.1	5
135	Comment: Archean coastal-plain paleosols and life on land. Gondwana Research, 2017, 44, 265-269.	3.0	4
136	Textural biosignatures from the Pilbara: an important benchmark for early life on Earth. Palaontologische Zeitschrift, 2018, 92, 191-193.	0.8	4
137	The Oldest Well-Preserved Felsic Volcanic Rocks on Earth. , 2019, , 463-486.		4
138	Comment: An alternative Earth, Warren B. Hamilton, GSA Today, v. 13, no. 11, p. 4â€“12.. GSA Today, 2004, 14, 14.	1.1	4
139	Reply to Comment by Birger Rasmussen and Janet R. Muhling on â€œEarly Archean biogeochemical iron cycling and nutrient availability: New insights from a 3.5ÂGa land-sea transitionâ€•by Johnson et al.. Earth-Science Reviews, 2022, 231, 104087.	4.0	4
140	Archaean tectonics in 2001: an Earth odyssey. Precambrian Research, 2003, 127, 1-3.	1.2	3
141	Biogenicity of Spicular Geyserite from Te Kopia, New Zealand: Integrated Petrography, High-Resolution Hyperspectral and Elemental Analysis. Astrobiology, 2021, 21, 115-135.	1.5	3
142	Life analog sites for Mars from early Earth: diverse habitats from the Pilbara Craton and Mount Bruce Supergroup, Western Australia. , 2021, , 357-403.		3
143	Taphonomy of microorganisms and microbial microtextures at sulfidic hydrothermal vents: A case study from the Roman Ruins black smokers, Eastern Manus Basin. Geobiology, 2022, 20, 479-497.	1.1	3
144	The Eoarchean legacy of Isua (Greenland) worth preserving for future generations. Earth-Science Reviews, 2019, 198, 102923.	4.0	2

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145	Earthâ€™s oldest tsunami deposit? Early Archaean highâ€energy sediments in the ca 3.48ÂGa Dresser Formation (Pilbara, Western Australia). Depositional Record, 2022, 8, 590-602.	0.8	2
146	The setting for the origin of life: a geologicalâ€“ geochemical perspective. Biochemist, 2018, 40, 18-21.	0.2	1
147	Drilling the outback. Nature Geoscience, 2008, 1, E3-E3.	5.4	0
148	Reply to DvoÅ™Ã¡k et al.: Apparent evolutionary stasis of ancient subseafloor sulfur cycling biocoenoses. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2560-E2560.	3.3	0
149	Pilbara Craton. , 2015, , 1894-1897.		0
150	Archean Tectonics. , 2015, , 135-142.		0