Andrey Bekker

List of Publications by Citations

140 papers	10,819 citations	55 h-index	103 g-index
150 ext. papers	12,709 ext. citations	10.3 avg, IF	6.29 L-index

#	Paper	IF	Citations
140	Dating the rise of atmospheric oxygen. *Nature*, **2004**, 427, 117-20	50.4	1020
139	Tracing the stepwise oxygenation of the Proterozoic ocean. *Nature*, **2008**, 452, 456-9	50.4	722
138	Iron Formation: The Sedimentary Product of a Complex Interplay among Mantle, Tectonic, Oceanic, and Biospheric Processes. *Economic Geology*, **2010**, 105, 467-508	4.3	567
137	Iron isotope constraints on the Archean and Paleoproterozoic ocean redox state. *Science*, **2005**, 307, 1088-91	33.3	363
136	Evidence for oxygenic photosynthesis half a billion years before the Great Oxidation Event. *Nature Geoscience*, **2014**, 7, 283-286	18.3	332
135	Proterozoic ocean redox and biogeochemical stasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 5357-62	11.5	321
134	Widespread iron-rich conditions in the mid-Proterozoic ocean. *Nature*, **2011**, 477, 448-51	50.4	310
133	Rare Earth Element and yttrium compositions of Archean and Paleoproterozoic Fe formations revisited: New perspectives on the significance and mechanisms of deposition. *Geochimica Et Cosmochimica Acta*, **2010**, 74, 6387-6405	5.5	287
132	The evolution of the marine phosphate reservoir. *Nature*, **2010**, 467, 1088-90	50.4	263
131	Timing and tempo of the Great Oxidation Event. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 1811-1816	11.5	259
130	Aerobic bacterial pyrite oxidation and acid rock drainage during the Great Oxidation Event. *Nature*, **2011**, 478, 369-73	50.4	234
129	Organic-walled microfossils in 3.2-billion-year-old shallow-marine siliciclastic deposits. *Nature*, **2010** , 463, 934-8	50.4	213
128	Reconstructing Earth's surface oxidation across the Archean-Proterozoic transition. *Geology*, **2009**, 37, 399-402	5	210
127	Iron formations: A global record of Neoarchaean to Palaeoproterozoic environmental history. *Earth-Science Reviews*, **2017**, 172, 140-177	10.2	190
126	Primitive Os and 2316 Ma age for marine shale: implications for Paleoproterozoic glacial events and the rise of atmospheric oxygen. *Earth and Planetary Science Letters*, **2004**, 225, 43-52	5.3	183
125	Large colonial organisms with coordinated growth in oxygenated environments 2.1 Gyr ago. *Nature* , **2010**, 466, 100-4	50.4	175
124	Suboxic deep seawater in the late Paleoproterozoic: Evidence from hematitic chert and iron formation related to seafloor-hydrothermal sulfide deposits, central Arizona, USA. *Earth and Planetary Science Letters*, **2007**, 255, 243-256	5.3	175

123	Late Archean to Early Paleoproterozoic global tectonics, environmental change and the rise of atmospheric oxygen. *Earth and Planetary Science Letters*, **2005**, 238, 156-171	5.3	158
122	Geological constraints on the origin of oxygenic photosynthesis. *Photosynthesis Research*, **2011**, 107, 11-36	3.7	155
121	Chemostratigraphy of the Paleoproterozoic Duitschland Formation, South Africa: implications for coupled climate change and carbon cycling. *Numerische Mathematik*, **2001**, 301, 261-285	5.3	153
120	Sulfur record of rising and falling marine oxygen and sulfate levels during the Lomagundi event. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 18300-5	11.5	135
119	Iron-oxidizing microbial ecosystems thrived in late Paleoproterozoic redox-stratified oceans. *Earth and Planetary Science Letters*, **2009**, 286, 230-242	5.3	128
118	Perspectives on Proterozoic surface ocean redox from iodine contents in ancient and recent carbonate. *Earth and Planetary Science Letters*, **2017**, 463, 159-170	5.3	119
117	Atmospheric sulfur in Archean komatiite-hosted nickel deposits. *Science*, **2009**, 326, 1086-9	33.3	114
116	Titanium isotopic evidence for felsic crust and plate tectonics 3.5 billion years ago. *Science*, **2017**, 357, 1271-1274	33.3	107
115	Iron isotope composition of some Archean and Proterozoic iron formations. *Geochimica Et Cosmochimica Acta*, **2012**, 80, 158-169	5.5	106
114	Chemostratigraphy of Paleoproterozoic carbonate successions of the Wyoming Craton: tectonic forcing of biogeochemical change?. *Precambrian Research*, **2003**, 120, 279-325	3.9	106
113	Carbon isotope record for the onset of the Lomagundi carbon isotope excursion in the Great Lakes area, North America. *Precambrian Research*, **2006**, 148, 145-180	3.9	105
112	Evidence for Paleoproterozoic cap carbonates in North America. *Precambrian Research*, **2005**, 137, 167-206	3.9	103
111	Triple oxygen isotope evidence for limited mid-Proterozoic primary productivity. *Nature*, **2018**, 559, 613-616	50.4	101
110	Rapid emergence of subaerial landmasses and onset of a modern hydrologic cycle 2.5 billion years ago. *Nature*, **2018**, 557, 545-548	50.4	98
109	Rise in seawater sulphate concentration associated with the Paleoproterozoic positive carbon isotope excursion: evidence from sulphate evaporites in the ~2.2–2.1 Gyr shallow-marine Lucknow Formation, South Africa. *Terra Nova*, **2008**, 20, 108-117	3	96
108	Correlation of Paleoproterozoic glaciations based on U–Pb zircon ages for tuff beds in the Transvaal and Huronian Supergroups. *Earth and Planetary Science Letters*, **2013**, 382, 173-180	5.3	92
107	Deposition of 1.88-billion-year-old iron formations as a consequence of rapid crustal growth. *Nature*, **2012**, 484, 498-501	50.4	92
106	Multiple sulphur and iron isotope composition of detrital pyrite in Archaean sedimentary rocks: A new tool for provenance analysis. *Earth and Planetary Science Letters*, **2009**, 286, 436-445	5.3	88

105	Trace elements at the intersection of marine biological and geochemical evolution. *Earth-Science Reviews*, **2016**, 163, 323-348	10.2	86
104	The chlorine isotope composition of chondrites and Earth. *Geochimica Et Cosmochimica Acta*, **2013**, 107, 189-204	5.5	85
103	Pyrite multiple-sulfur isotope evidence for rapid expansion and contraction of the early Paleoproterozoic seawater sulfate reservoir. *Earth and Planetary Science Letters*, **2014**, 389, 95-104	5.3	84
102	Late Archean euxinic conditions before the rise of atmospheric oxygen. *Geology*, **2011**, 39, 119-122	5	80
101	An iodine record of Paleoproterozoic surface ocean oxygenation. *Geology*, **2014**, 42, 619-622	5	79
100	Fractionation between inorganic and organic carbon during the Lomagundi (2.22–2.1 Ga) carbon isotope excursion. *Earth and Planetary Science Letters*, **2008**, 271, 278-291	5.3	77
99	Uranium in iron formations and the rise of atmospheric oxygen. *Chemical Geology*, **2013**, 362, 82-90	4.2	74
98	Chemostratigraphy of Carbonates from the Minas Supergroup, Quadrilatero Ferryifero (Iron Quadrangle), Brazil: A Stratigraphic Record of Early Proterozoic Atmospheric, Biogeochemical and Climactic Change. *Numerische Mathematik*, **2003**, 303, 865-904	5.3	74
97	Cobalt and marine redox evolution. *Earth and Planetary Science Letters*, **2014**, 390, 253-263	5.3	72
96	Oxidative forcing of global climate change: A biogeochemical record across the oldest Paleoproterozoic ice age in North America. *Earth and Planetary Science Letters*, **2007**, 258, 486-499	5.3	69
95	Onset of the aerobic nitrogen cycle during the Great Oxidation Event. *Nature*, **2017**, 542, 465-467	50.4	66
94	Nickel Isotope Variations in Terrestrial Silicate Rocks and Geological Reference Materials Measured by MC-ICP-MS. *Geostandards and Geoanalytical Research*, **2013**, 37, 297-317	3.6	66
93	Biological carbon precursor to diagenetic siderite with spherical structures in iron formations. *Nature Communications*, **2013**, 4, 1741	17.4	66
92	District to Camp Controls on the Genesis of Komatiite-Hosted Nickel Sulfide Deposits, Agnew-Wiluna Greenstone Belt, Western Australia: Insights from the Multiple Sulfur Isotopes. *Economic Geology*, **2012**, 107, 781-796	4.3	63
91	Fungus-like mycelial fossils in 2.4-billion-year-old vesicular basalt. *Nature Ecology and Evolution*, **2017**, 1, 141	12.3	62
90	Seafloor-hydrothermal Si-Fe-Mn exhalites in the Pecos greenstone belt, New Mexico, and the redox state of ca. 1720 Ma deep seawater **2009**, 5, 302-314		62
89	Bioavailability of zinc in marine systems through time. *Nature Geoscience*, **2013**, 6, 125-128	18.3	61
88	Filling in the juvenile magmatic gap: Evidence for uninterrupted Paleoproterozoic plate tectonics. *Earth and Planetary Science Letters*, **2014**, 388, 123-133	5.3	61

87	Coupled Fe and S isotope variations in pyrite nodules from Archean shale. *Earth and Planetary Science Letters*, **2014**, 392, 67-79	5.3	60
86	Claypool continued: Extending the isotopic record of sedimentary sulfate. *Chemical Geology*, **2019**, 513, 200-225	4.2	59
85	Evidence for episodic oxygenation in a weakly redox-buffered deep mid-Proterozoic ocean. *Chemical Geology*, **2018**, 483, 581-594	4.2	52
84	Multiple Sulfur and Iron Isotope Composition of Magmatic Ni-Cu-(PGE) Sulfide Mineralization from Eastern Botswana. *Economic Geology*, **2012**, 107, 105-116	4.3	52
83	Selenium isotopes record extensive marine suboxia during the Great Oxidation Event. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 875-880	11.5	51
82	Chemostratigraphy of the Shaler Supergroup, Victoria Island, NW Canada: A record of ocean composition prior to the Cryogenian glaciations. *Precambrian Research*, **2015**, 263, 232-245	3.9	50
81	The geologic history of seawater oxygen isotopes from marine iron oxides. *Science*, **2019**, 365, 469-473	33.3	49
80	The evolution of the global selenium cycle: Secular trends in Se isotopes and abundances. *Geochimica Et Cosmochimica Acta*, **2015**, 162, 109-125	5.5	49
79	Global nature of the Paleoproterozoic Lomagundi carbon isotope excursion: A review of occurrences in Brazil, India, and Uruguay. *Precambrian Research*, **2010**, 182, 274-299	3.9	49
78	Re□Os depositional age for Archean carbonaceous slates from the southwestern Superior Province: Challenges and insights. *Earth and Planetary Science Letters*, **2009**, 280, 83-92	5.3	44
77	A Paleoproterozoic drowned carbonate platform on the southeastern margin of the Wyoming Craton: a record of the Kenorland breakup. *Precambrian Research*, **2003**, 120, 327-364	3.9	44
76	Oxygen isotope perspective on crustal evolution on early Earth: A record of Precambrian shales with emphasis on Paleoproterozoic glaciations and Great Oxygenation Event. *Earth and Planetary Science Letters*, **2016**, 437, 101-113	5.3	43
75	Controls of eustasy and diagenesis on the 238U/235U of carbonates and evolution of the seawater (234U/238U) during the last 1.4 Myr. *Geochimica Et Cosmochimica Acta*, **2018**, 242, 233-265	5.5	43
74	A model for the oceanic mass balance of rhenium and implications for the extent of Proterozoic ocean anoxia. *Geochimica Et Cosmochimica Acta*, **2018**, 227, 75-95	5.5	42
73	Two-step deoxygenation at the end of the Paleoproterozoic Lomagundi Event. *Earth and Planetary Science Letters*, **2018**, 486, 70-83	5.3	41
72	Nitrogen cycle in the Late Archean ferruginous ocean. *Chemical Geology*, **2013**, 362, 115-130	4.2	41
71	Unradiogenic strontium and moderate-amplitude carbon isotope variations in early Tonian seawater after the assembly of Rodinia and before the Bitter Springs Excursion. *Precambrian Research*, **2017**, 298, 157-173	3.9	41
70	Comparing orthomagmatic and hydrothermal mineralization models for komatiite-hosted nickel deposits in Zimbabwe using multiple-sulfur, iron, and nickel isotope data. *Mineralium Deposita*, **2014**, 49, 75-100	4.8	38

69	A 200-million-year delay in permanent atmospheric oxygenation. *Nature*, **2021**, 592, 232-236	50.4	36
68	Pervasive aerobic nitrogen cycling in the surface ocean across the Paleoproterozoic Era. *Earth and Planetary Science Letters*, **2018**, 500, 117-126	5.3	34
67	Needs and opportunities in mineral evolution research. *American Mineralogist*, **2011**, 96, 953-963	2.9	34
66	The 2.1 Ga old Francevillian biota: biogenicity, taphonomy and biodiversity. *PLoS ONE*, **2014**, 9, e99438	3.7	33
65	Ediacara biota flourished in oligotrophic and bacterially dominated marine environments across Baltica. *Nature Communications*, **2018**, 9, 1807	17.4	32
64	The Archean komatiite-hosted, PGE-bearing Ni□Cu sulfide deposit at Vaara, eastern Finland: evidence for assimilation of external sulfur and post-depositional desulfurization. *Mineralium Deposita*, **2013**, 48, 967-989	4.8	32
63	A review of the stratigraphy and geological setting of the Palaeoproterozoic Magondi Supergroup, Zimbabwe □Type locality for the Lomagundi carbon isotope excursion. *Precambrian Research*, **2010**, 182, 254-273	3.9	32
62	Aerobic iron and manganese cycling in a redox-stratified Mesoarchean epicontinental sea. *Earth and Planetary Science Letters*, **2018**, 500, 28-40	5.3	31
61	Microbe-clay interactions as a mechanism for the preservation of organic matter and trace metal biosignatures in black shales. *Chemical Geology*, **2017**, 459, 75-90	4.2	27
60	Limited oxygen production in the Mesoarchean ocean. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 6647-6652	11.5	26
59	Organism motility in an oxygenated shallow-marine environment 2.1 billion years ago. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 3431-3436	11.5	25
58	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	4.2	25
57	U□Th□Pb□REE systematics of organic-rich shales from the ca. 2.15 Ga Sengoma Argillite Formation, Botswana: Evidence for oxidative continental weathering during the Great Oxidation Event. *Chemical Geology*, **2009**, 260, 172-185	4.2	25
56	Large Igneous Province Record Through Time and Implications for Secular Environmental Changes and Geological Time-Scale Boundaries. *Geophysical Monograph Series*, **2021**, 1-26	1.1	24
55	The Role of Paragneiss Assimilation in the Origin of the Voisey's Bay Ni-Cu Sulfide Deposit, Labrador: Multiple S and Fe Isotope Evidence. *Economic Geology*, **2013**, 108, 1459-1469	4.3	23
54	Shallow water anoxia in the Mesoproterozoic ocean: Evidence from the Bashkir Meganticlinorium, Southern Urals. *Precambrian Research*, **2018**, 317, 196-210	3.9	23
53	Molybdenum record from black shales indicates oscillating atmospheric oxygen levels in the early Paleoproterozoic. *Numerische Mathematik*, **2018**, 318, 275-299	5.3	21
52	A persistently low level of atmospheric oxygen in Earth's middle age. *Nature Communications*, **2021**, 12, 351	17.4	21

51	Sedimentological and geochemical basin analysis of the Paleoproterozoic Penrhyn and Piling groups of Arctic Canada. *Precambrian Research*, **2014**, 251, 80-101	3.9	19
50	A short-term, post-Lomagundi positive C isotope excursion atc.2.03 Ga recorded by the Wooly Dolomite, Western Australia. *Journal of the Geological Society*, **2016**, 173, 689-700	2.7	17
49	Geochemistry of pyrite from diamictites of the Boolgeeda Iron Formation, Western Australia with implications for the GOE and Paleoproterozoic ice ages. *Chemical Geology*, **2013**, 362, 131-142	4.2	17
48	Chemostratigraphic constraints on early Ediacaran carbonate ramp dynamics, Río de la Plata craton, Uruguay. *Gondwana Research*, **2012**, 22, 1073-1090	5.1	16
47	Revised stratigraphic framework for the lower Anti-Atlas Supergroup based on U–Pb geochronology of magmatic and detrital zircons (Zenaga and Bou Azzer-El Graara inliers, Anti-Atlas Belt, Morocco). *Journal of African Earth Sciences*, **2020**, 171, 103946	2.2	16
46	Correlation of the stratigraphic cover of the Pilbara and Kaapvaal cratons recording the lead up to Paleoproterozoic Icehouse and the GOE. *Earth-Science Reviews*, **2020**, 211, 103389	10.2	14
45	Stratigraphy of the Late Palaeoproterozoic (~2.03 Ga) Wooly Dolomite, Ashburton Province, Western Australia: A carbonate platform developed in a failed rift basin. *Precambrian Research*, **2015**, 271, 1-19	3.9	13
44	Early history of the Amadeus Basin: Implications for the existence and geometry of the Centralian Superbasin. *Precambrian Research*, **2015**, 259, 232-242	3.9	13
43	Development of Iron Speciation Reference Materials for Palaeoredox Analysis. *Geostandards and Geoanalytical Research*, **2020**, 44, 581-591	3.6	12
42	Triple iron isotope constraints on the role of ocean iron sinks in early atmospheric oxygenation. *Science*, **2020**, 370, 446-449	33.3	9
41	The uranium isotopic record of shales and carbonates through geologic time. *Geochimica Et Cosmochimica Acta*, **2021**, 300, 164-191	5.5	9
40	Microbially induced potassium enrichment in Paleoproterozoic shales and implications for reverse weathering on early Earth. *Nature Communications*, **2019**, 10, 2670	17.4	8
39	Mass-independently fractionated sulfur in Archean paleosols: A large reservoir of negative Δ33S anomaly on the early Earth. *Chemical Geology*, **2013**, 362, 74-81	4.2	8
38	Earth's oldest preserved K-bentonites in the ca . 2.1 Ga Francevillian Basin, Gabon. *Numerische Mathematik*, **2018**, 318, 409-434	5.3	7
37	Atmospheric S and lithospheric Pb in sulphides from the 2.06 Ga Phalaborwa phoscorite-carbonatite Complex, South Africa. *Earth and Planetary Science Letters*, **2020**, 530, 115939	5.3	7
36	Elemental geochemistry and Nd isotope constraints on the provenance of the basal siliciclastic succession of the middle Paleoproterozoic Francevillian Group, Gabon. *Precambrian Research*, **2020**, 348, 105874	3.9	7
35	Post-Great Oxidation Event Orosirian–Statherian iron formations on the São Francisco craton: Geotectonic implications. *Island Arc*, **2019**, 28, e12300	2	6
34	A template for an improved rock-based subdivision of the pre-Cryogenian time scale. *Journal of the Geological Society*,jgs2020-222	2.7	6

33	Anoxic continental surface weathering recorded by the 2.95 Ga Denny Dalton Paleosol (Pongola Supergroup, South Africa). *Geochimica Et Cosmochimica Acta*, **2021**, 295, 1-23	5.5	6
32	A late Paleoproterozoic (1.74 Ga) deep-sea, low-temperature, iron-oxidizing microbial hydrothermal vent community from Arizona, USA. *Geobiology*, **2021**, 19, 228-249	4.3	6
31	Reply to comment on Bekker, A., Krapež, B., Karhu, J.A., 2020. Correlation of the stratigraphic cover of the Pilbara and Kaapvaal cratons recording the lead up to Paleoproterozoic Icehouse and the GOE. Earth-Science Reviews, 211, 103,389 by Pascal Philippot, Bryan A. Killingsworth, Jean-Louis Paquette, Svetlana Tessalina, Pierre Cartigny, Stefan V. Lalonde, Christophe Thomazo, Jahanna N. Bita, Vincent Busigny. *Earth-Science Reviews*, **2021**, 218, 103607	10.2	6
30	The early Statherian (ca. 1800–1750 Ma) Prutivka-Novogol large igneous province of Sarmatia: Geochronology and implication for the Nuna/Columbia supercontinent reconstruction. *Precambrian Research*, **2021**, 358, 106185	3.9	5
29	Evolution of the atmosphere and ocean through time. *Chemical Geology*, **2013**, 362, 1-2	4.2	4
28	Paleoproterozoic high $\delta^{13}C_{carb}$ marbles from the Ruwenzori Mountains, Uganda: Implications for the age of the Buganda Group. *Chemical Geology*, **2013**, 362, 157-164	4.2	4
27	Constraining provenance for the uraniferous Paleoproterozoic Francevillian Group sediments (Gabon) with detrital zircon geochronology and geochemistry. *Precambrian Research*, **2020**, 343, 105724	3.9	3
26	Large Igneous Provinces (LIPs) and Anoxia Events in the Boring Billion. *Geophysical Monograph Series*, **2021**, 449-486	1.1	3
25	Preservation and Distributions of Covalently Bound Polyaromatic Hydrocarbons in Ancient Biogenic Kerogens and Insoluble Organic Macromolecules. *Astrobiology*, **2021**, 21, 1049-1075	3.7	3
24	Diagenetic history of the proterozoic carbonates and its role in the oil field development in the Baikit Anteclise, Southwestern Siberia. *Precambrian Research*, **2020**, 342, 105690	3.9	2
23	Trace element perspective into the ca. 2.1-billion-year-old shallow-marine microbial mats from the Francevillian Group, Gabon. *Chemical Geology*, **2020**, 543, 119620	4.2	2
22	Reply to Comment by C. Gaucher et al. on "Chemostratigraphic constraints on early Ediacaran carbonate ramp dynamics, Río de la Plata craton, Uruguay" by Aubet et al. Gondwana Research (2012), Volume 22, Issues 3-4, November 2012, Pages 1073-1090. *Gondwana Research*, **2013**, 23, 1186-1188	5.1	2
21	Benthic redox conditions and nutrient dynamics in the ca. 2.1 Ga Franceville sub-basin. *Precambrian Research*, **2021**, 360, 106234	3.9	2
20	Transient deep-water oxygenation recorded by rare Mesoproterozoic phosphorites, South Urals. *Precambrian Research*, **2021**, 360, 106242	3.9	2
19	Preliminary Appraisal of a Correlation Between Glaciations and Large Igneous Provinces Over the Past 720 Million Years. *Geophysical Monograph Series*, **2021**, 169-190	1.1	2
18	Limited expression of the Paleoproterozoic Oklo natural nuclear reactor phenomenon in the aftermath of a widespread deoxygenation event ~2.11–2.06 billion years ago. *Chemical Geology*, **2021**, 578, 120315	4.2	2
17	Breaking the Boring Billion. *Geophysical Monograph Series*, **2021**, 487-501	1.1	2
16	Reply to the comment by Prêt and Weber on. *Earth and Planetary Science Letters*, **2019**, 511, 259-261	5.3	1

List of Publications

15	Discussion on From Pan-African transpression to Cadomian transtension at the West African margin: new U–Pb zircon ages from the Eastern Saghro Inlier (Anti-Atlas, Morocco) by Errami et al. 2020 (SP503, 209–233). *Journal of the Geological Society*, **2021**, 178, jgs2020-206	2.7	1
14	Marine Anoxia and Ocean Acidification During the End-Permian Extinction. *Geophysical Monograph Series*, **2021**, 325-340	1.1	1
13	Assessing the Effect of Large Igneous Provinces on Global Oceanic Redox Conditions Using Non-traditional Metal Isotopes (Molybdenum, Uranium, Thallium). *Geophysical Monograph Series*, **2021**, 305-323	1.1	1
12	Mesoarchaean acidic volcanic lakes: A critical ecological niche in early land colonisation. *Earth and Planetary Science Letters*, **2021**, 556, 116725	5.3	1
11	Earth's Great Oxidation Event facilitated by the rise of sedimentary phosphorus recycling. *Nature Geoscience*, **2022**, 15, 210-215	18.3	1
10	Oxygen production and rapid iron oxidation in stromatolites immediately predating the Great Oxidation Event. *Earth and Planetary Science Letters*, **2022**, 582, 117416	5.3	1
9	Archean-Proterozoic unconformity on the Fennoscandian Shield: Geochemistry and Sr, C and O isotope composition of Paleoproterozoic carbonate-rich regolith from Segozero Lake (Russian Karelia). *Precambrian Research*, **2022**, 368, 106459	3.9	0
8	Ironstones and Iron Formations **2021**, 914-921		0
7	Long-term evolution of terrestrial weathering and its link to Earth's oxygenation. *Earth and Planetary Science Letters*, **2022**, 584, 117490	5.3	0
6	Huronian Glaciation **2022**, 1-9		0
5	Provenance of metasiliciclastic rocks at the northwestern margin of the East Gabonian Block: Implications for deposition of BIFs and crustal evolution in southwestern Cameroon. *Precambrian Research*, **2022**, 376, 106677	3.9	0
4	The Timing of the Palaeoproterozoic Great Oxidation Event using Dykes, Sills and Bolcanics of the Ongeluk Large Igneous Province, Kaapvaal Craton. *Acta Geologica Sinica*, **2016**, 90, 67-68	0.7	
3	Huronian Glaciation **2015**, 1128-1135		
2	Great Oxidation Event **2022**, 1-9		
1	Lomagundi Carbon Isotope Excursion **2022**, 1-7		