

Ariel D Anbar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5274844/publications.pdf>

Version: 2024-02-01

160
papers

12,752
citations

20759

60
h-index

24915

109
g-index

165
all docs

165
docs citations

165
times ranked

7995
citing authors

#	ARTICLE	IF	CITATIONS
1	A Whiff of Oxygen Before the Great Oxidation Event?. <i>Science</i> , 2007, 317, 1903-1906.	6.0	822
2	A Bacterium That Can Grow by Using Arsenic Instead of Phosphorus. <i>Science</i> , 2011, 332, 1163-1166.	6.0	422
3	Ocean oxygenation in the wake of the Marinoan glaciation. <i>Nature</i> , 2012, 489, 546-549.	13.7	420
4	Devonian rise in atmospheric oxygen correlated to the radiations of terrestrial plants and large predatory fish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17911-17915.	3.3	340
5	A Photochemical Model of the Martian Atmosphere. <i>Icarus</i> , 1994, 111, 124-150.	1.1	330
6	Late Archean Biospheric Oxygenation and Atmospheric Evolution. <i>Science</i> , 2007, 317, 1900-1903.	6.0	327
7	Tracking Euxinia in the Ancient Ocean: A Multiproxy Perspective and Proterozoic Case Study. <i>Annual Review of Earth and Planetary Sciences</i> , 2009, 37, 507-534.	4.6	308
8	Elements and Evolution. <i>Science</i> , 2008, 322, 1481-1483.	6.0	300
9	Rapid expansion of oceanic anoxia immediately before the end-Permian mass extinction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17631-17634.	3.3	295
10	Metal Stable Isotopes in Paleoceanography. <i>Annual Review of Earth and Planetary Sciences</i> , 2007, 35, 717-746.	4.6	293
11	A Contemporary Microbially Maintained Subglacial Ferrous "Ocean". <i>Science</i> , 2009, 324, 397-400.	6.0	243
12	A Late Archean Sulfidic Sea Stimulated by Early Oxidative Weathering of the Continents. <i>Science</i> , 2009, 326, 713-716.	6.0	241
13	Iron isotope fractionation during planetary differentiation. <i>Earth and Planetary Science Letters</i> , 2005, 240, 251-264.	1.8	233
14	Pervasive oxygenation along late Archaean ocean margins. <i>Nature Geoscience</i> , 2010, 3, 647-652.	5.4	233
15	Fe isotopic fractionation during mineral dissolution with and without bacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3189-3204.	1.6	230
16	Decoupling photochemical Fe(II) oxidation from shallow-water BIF deposition. <i>Earth and Planetary Science Letters</i> , 2007, 258, 87-100.	1.8	227
17	Uranium and molybdenum isotope evidence for an episode of widespread ocean oxygenation during the late Ediacaran Period. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 156, 173-193.	1.6	222
18	Isotopic Evidence for an Aerobic Nitrogen Cycle in the Latest Archean. <i>Science</i> , 2009, 323, 1045-1048.	6.0	214

#	ARTICLE	IF	CITATIONS
19	Re ¹⁸⁷ Os and Mo isotope systematics of black shales from the Middle Proterozoic Velkerri and Wollongorang Formations, McArthur Basin, northern Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2534-2558.	1.6	209
20	Modern iron isotope perspective on the benthic iron shuttle and the redox evolution of ancient oceans. <i>Geology</i> , 2008, 36, 487.	2.0	197
21	THE STABLE ISOTOPE GEOCHEMISTRY OF MOLYBDENUM. <i>Reviews in Mineralogy and Geochemistry</i> , 2017, 82, 683-732.	2.2	191
22	Experimental investigation of the effects of temperature and ionic strength on Mo isotope fractionation during adsorption to manganese oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5997-6005.	1.6	174
23	Natural variations in uranium isotope ratios of uranium ore concentrates: Understanding the ²³⁸ U/ ²³⁵ U fractionation mechanism. <i>Earth and Planetary Science Letters</i> , 2010, 291, 228-233.	1.8	165
24	Uranium concentrations and ²³⁸ U/ ²³⁵ U isotope ratios in modern carbonates from the Bahamas: Assessing a novel paleoredox proxy. <i>Chemical Geology</i> , 2013, 362, 305-316.	1.4	162
25	Global enhancement of ocean anoxia during Oceanic Anoxic Event 2: A quantitative approach using U isotopes. <i>Geology</i> , 2010, 38, 315-318.	2.0	154
26	Uranium Isotope Fractionation during Adsorption to Mn-Oxyhydroxides. <i>Environmental Science & Technology</i> , 2011, 45, 1370-1375.	4.6	154
27	Multiple episodes of extensive marine anoxia linked to global warming and continental weathering following the latest Permian mass extinction. <i>Science Advances</i> , 2018, 4, e1602921.	4.7	145
28	Molybdenum isotope evidence for mild environmental oxygenation before the Great Oxidation Event. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6655-6668.	1.6	139
29	Resolution of inter-laboratory discrepancies in Mo isotope data: an intercalibration. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 724.	1.6	138
30	The behavior of molybdenum and its isotopes across the chemocline and in the sediments of sulfidic Lake Cadagno, Switzerland. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 144-163.	1.6	129
31	Extensive marine anoxia during the terminal Ediacaran Period. <i>Science Advances</i> , 2018, 4, ean8983.	4.7	126
32	Rapidly assessing changes in bone mineral balance using natural stable calcium isotopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9989-9994.	3.3	115
33	Global-ocean redox variation during the middle-late Permian through Early Triassic based on uranium isotope and Th/U trends of marine carbonates. <i>Geology</i> , 2017, 45, 163-166.	2.0	110
34	Congruent Permian-Triassic ²³⁸ U records at Panthalassic and Tethyan sites: Confirmation of global-oceanic anoxia and validation of the U-isotope paleoredox proxy. <i>Geology</i> , 2018, 46, 327-330.	2.0	108
35	Diagenetic effects on uranium isotope fractionation in carbonate sediments from the Bahamas. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 237, 294-311.	1.6	103
36	Molybdenum evidence for expansive sulfidic water masses in ~750Ma oceans. <i>Earth and Planetary Science Letters</i> , 2011, 311, 264-274.	1.8	102

#	ARTICLE	IF	CITATIONS
37	Uranium isotope fractionation suggests oxidative uranium mobilization at 2.50 Ga. <i>Chemical Geology</i> , 2013, 362, 105-114.	1.4	101
38	Molybdenum isotope constraints on the extent of late Paleoproterozoic ocean euxinia. <i>Earth and Planetary Science Letters</i> , 2011, 307, 450-460.	1.8	99
39	Introducing $\delta^{88/86}\text{Sr}$ analysis in archaeology: a demonstration of the utility of strontium isotope fractionation in paleodietary studies. <i>Journal of Archaeological Science</i> , 2010, 37, 2352-2364.	1.2	97
40	The molecular mechanism of Mo isotope fractionation during adsorption to birnessite. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5019-5031.	1.6	97
41	Proposal for an International Molybdenum Isotope Measurement Standard and Data Representation. <i>Geostandards and Geoanalytical Research</i> , 2014, 38, 149-151.	1.7	96
42	Fully oxygenated water columns over continental shelves before the Great Oxidation Event. <i>Nature Geoscience</i> , 2019, 12, 186-191.	5.4	95
43	Global marine redox changes drove the rise and fall of the Ediacara biota. <i>Geobiology</i> , 2019, 17, 594-610.	1.1	92
44	Follow the Plume: The Habitability of Enceladus. <i>Astrobiology</i> , 2014, 14, 352-355.	1.5	91
45	Secular mantle oxidation across the Archean-Proterozoic boundary: Evidence from V partitioning in komatiites and picrites. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 49-75.	1.6	88
46	Uranium isotope fractionation during coprecipitation with aragonite and calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 188, 189-207.	1.6	86
47	Uranium isotope systematics of ferromanganese crusts in the Pacific Ocean: Implications for the marine $^{238}\text{U}/^{235}\text{U}$ isotope system. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 146, 43-58.	1.6	85
48	Bioavailability of zinc in marine systems through time. <i>Nature Geoscience</i> , 2013, 6, 125-128.	5.4	84
49	Production of a molybdophore during metal-targeted dissolution of silicates by soil bacteria. <i>Chemical Geology</i> , 2005, 220, 285-302.	1.4	83
50	Immersive, interactive virtual field trips promote science learning. <i>Journal of Geoscience Education</i> , 2019, 67, 131-142.	0.8	80
51	Natural Calcium Isotopic Composition of Urine as a Marker of Bone Mineral Balance. <i>Clinical Chemistry</i> , 2007, 53, 1155-1158.	1.5	78
52	Mercury Stable Isotope Fractionation during Abiotic Dark Oxidation in the Presence of Thiols and Natural Organic Matter. <i>Environmental Science & Technology</i> , 2019, 53, 1853-1862.	4.6	77
53	Solution structure of molybdic acid from Raman spectroscopy and DFT analysis. <i>Inorganica Chimica Acta</i> , 2008, 361, 1000-1007.	1.2	75
54	Selenium isotopes support free O ₂ in the latest Archean. <i>Geology</i> , 2015, 43, 259-262.	2.0	74

#	ARTICLE	IF	CITATIONS
55	Uranium and carbon isotopes document global-ocean redox-productivity relationships linked to cooling during the Frasnian-Famennian mass extinction. <i>Geology</i> , 2017, 45, 887-890.	2.0	66
56	A model for the oceanic mass balance of rhenium and implications for the extent of Proterozoic ocean anoxia. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 227, 75-95.	1.6	66
57	Did nature also choose arsenic?. <i>International Journal of Astrobiology</i> , 2009, 8, 69-74.	0.9	64
58	Formation of syngenetic and early diagenetic iron minerals in the late Archean Mt. McRae Shale, Hamersley Basin, Australia: New insights on the patterns, controls and paleoenvironmental implications of authigenic mineral formation. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1072-1087.	1.6	64
59	Uranium isotopes in marine carbonates as a global ocean paleoredox proxy: A critical review. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 27-49.	1.6	63
60	Transient episodes of mild environmental oxygenation and oxidative continental weathering during the late Archean. <i>Science Advances</i> , 2015, 1, e1500777.	4.7	61
61	Uranium isotope evidence for limited euxinia in mid-Proterozoic oceans. <i>Earth and Planetary Science Letters</i> , 2019, 521, 150-157.	1.8	61
62	Fe Isotope Fractionation during Equilibration of Fe ²⁺ Organic Complexes. <i>Environmental Science & Technology</i> , 2010, 44, 6095-6101.	4.6	60
63	A COMPARISON OF STELLAR ELEMENTAL ABUNDANCE TECHNIQUES AND MEASUREMENTS. <i>Astrophysical Journal, Supplement Series</i> , 2016, 226, 4.	3.0	59
64	Calcium isotopic signatures of carbonatite and silicate metasomatism, melt percolation and crustal recycling in the lithospheric mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 248, 1-13.	1.6	57
65	Iron isotope and trace metal records of iron cycling in the proto-North Atlantic during the Cenomanian-Turonian oceanic anoxic event (OAE2). <i>Paleoceanography</i> , 2012, 27, .	3.0	56
66	Mercury isotope signatures record photic zone euxinia in the Mesoproterozoic ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10594-10599.	3.3	56
67	Two distinct episodes of marine anoxia during the Permian-Triassic crisis evidenced by uranium isotopes in marine dolostones. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 165-179.	1.6	55
68	LIFE: Life Investigation For Enceladus A Sample Return Mission Concept in Search for Evidence of Life. <i>Astrobiology</i> , 2012, 12, 730-742.	1.5	54
69	Syndepositional diagenetic control of molybdenum isotope variations in carbonate sediments from the Bahamas. <i>Chemical Geology</i> , 2016, 438, 84-90.	1.4	54
70	Multiple negative molybdenum isotope excursions in the Doushantuo Formation (South China) fingerprint complex redox-related processes in the Ediacaran Nanhua Basin. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 261, 191-209.	1.6	52
71	High-Precision Measurement of Variations in Calcium Isotope Ratios in Urine by Multiple Collector Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 6956-6962.	3.2	50
72	Extensive marine anoxia associated with the Late Devonian Hangenberg Crisis. <i>Earth and Planetary Science Letters</i> , 2020, 533, 115976.	1.8	49

#	ARTICLE	IF	CITATIONS
73	Anomalous molybdenum isotope trends in Upper Pennsylvanian euxinic facies: Significance for use of $\delta^{98}\text{Mo}$ as a global marine redox proxy. <i>Chemical Geology</i> , 2012, 324-325, 87-98.	1.4	48
74	Extent and isotopic composition of Fe and Mo release from two Pennsylvania shales in the presence of organic ligands and bacteria. <i>Chemical Geology</i> , 2011, 281, 167-180.	1.4	47
75	Source apportionment of aerosol iron in the marine environment using iron isotope analysis. <i>Geophysical Research Letters</i> , 2013, 40, 5722-5727.	1.5	46
76	Using natural, stable calcium isotopes of human blood to detect and monitor changes in bone mineral balance. <i>Bone</i> , 2015, 77, 69-74.	1.4	44
77	Evidence for high organic carbon export to the early Cambrian seafloor. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 125-140.	1.6	44
78	Unique Hg Stable Isotope Signatures of Compact Fluorescent Lamp-Sourced Hg. <i>Environmental Science & Technology</i> , 2013, 47, 2542-2547.	4.6	43
79	Isotopic evidence for Fe cycling and repartitioning in ancient oxygen-deficient settings: Examples from black shales of the mid-to-late Devonian Appalachian basin. <i>Earth and Planetary Science Letters</i> , 2010, 290, 244-253.	1.8	42
80	Earth's First Redox Revolution. <i>Annual Review of Earth and Planetary Sciences</i> , 2021, 49, 337-366.	4.6	42
81	Titanium isotopic fractionation in Kilauea Iki lava lake driven by oxide crystallization. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 264, 180-190.	1.6	40
82	The Science Case for a Return to Enceladus. <i>Planetary Science Journal</i> , 2021, 2, 132.	1.5	40
83	Biological effects on uranium isotope fractionation ($^{238}\text{U}/^{235}\text{U}$) in primary biogenic carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 240, 1-10.	1.6	39
84	Molybdenum-nitrogen co-limitation in freshwater and coastal heterocystous cyanobacteria. <i>Limnology and Oceanography</i> , 2010, 55, 667-676.	1.6	38
85	Global-ocean redox variations across the Smithian-Spathian boundary linked to concurrent climatic and biotic changes. <i>Earth-Science Reviews</i> , 2019, 195, 147-168.	4.0	37
86	Mantle data imply a decline of oxidizable volcanic gases could have triggered the Great Oxidation. <i>Nature Communications</i> , 2020, 11, 2774.	5.8	36
87	Molybdenum-nitrogen co-limitation in freshwater and coastal heterocystous cyanobacteria. <i>Limnology and Oceanography</i> , 2010, 55, 667-676.	1.6	36
88	Elemental and iron isotopic composition of aerosols collected in a parking structure. <i>Science of the Total Environment</i> , 2009, 407, 5104-5109.	3.9	35
89	Molybdenum geochemistry in a seasonally dysoxic Mo-limited lacustrine ecosystem. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 114, 204-219.	1.6	35
90	Isotopic Fingerprints of Anthropogenic Molybdenum in Lake Sediments. <i>Environmental Science & Technology</i> , 2012, 46, 10934-10940.	4.6	34

#	ARTICLE	IF	CITATIONS
91	Returning Samples From Enceladus for Life Detection. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, .	1.1	32
92	Mercury abundance and isotopic composition indicate subaerial volcanism prior to the end-Archean $\delta^{16}\text{O}$ of oxygen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	32
93	Uranium isotope fractionation induced by aqueous speciation: Implications for U isotopes in marine CaCO_3 as a paleoredox proxy. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 215, 162-172.	1.6	31
94	Stable Isotopes as a Tool to Apportion Atmospheric Iron. <i>Environmental Science & Technology</i> , 2009, 43, 4327-4333.	4.6	30
95	Density Functional Theory Analysis of Molybdenum Isotope Fractionation. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12434-12438.	1.1	29
96	Experimental determination of pyrite and molybdenite oxidation kinetics at nanomolar oxygen concentrations. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 249, 160-172.	1.6	28
97	Volcanically modulated pyrite burial and oceanic atmosphere oxidation. <i>Earth and Planetary Science Letters</i> , 2019, 506, 417-427.	1.8	28
98	Comparison of Ediacaran platform and slope ^{238}U records in South China: Implications for global-ocean oxygenation and the origin of the Shuram Excursion. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 111-124.	1.6	28
99	Conodont calcium isotopic evidence for multiple shelf acidification events during the Early Triassic. <i>Chemical Geology</i> , 2021, 562, 120038.	1.4	28
100	Mineral Dust and Iron Solubility: Effects of Composition, Particle Size, and Surface Area. <i>Atmosphere</i> , 2020, 11, 533.	1.0	27
101	Assimilatory and dissimilatory processes of microorganisms affecting metals in the environment. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 867.	1.6	26
102	Plant Soil Distribution of Potentially Toxic Elements in Response to Elevated Atmospheric CO_2 . <i>Environmental Science & Technology</i> , 2011, 45, 2570-2574.	4.6	26
103	Thallium isotope ratios in shales from South China and northwestern Canada suggest widespread O_2 accumulation in marine bottom waters was an uncommon occurrence during the Ediacaran Period. <i>Chemical Geology</i> , 2020, 557, 119856.	1.4	25
104	Biomarker evidence of algal-microbial community changes linked to redox and salinity variation, Upper Devonian Chattanooga Shale (Tennessee, USA). <i>Bulletin of the Geological Society of America</i> , 2021, 133, 409-424.	1.6	25
105	<i>Habitable Worlds:</i> Delivering on the Promises of Online Education. <i>Astrobiology</i> , 2018, 18, 86-99.	1.5	24
106	Decomposition of amino acids in water with application to in-situ measurements of Enceladus, Europa and other hydrothermally active icy ocean worlds. <i>Icarus</i> , 2019, 329, 140-147.	1.1	24
107	Marine anoxia linked to abrupt global warming during Earth's penultimate icehouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2115231119.	3.3	24
108	Response to Comments on "A Bacterium That Can Grow Using Arsenic Instead of Phosphorus". <i>Science</i> , 2011, 332, 1149-1149.	6.0	23

#	ARTICLE	IF	CITATIONS
109	Redox dynamics of later Cambrian oceans. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 581, 110623.	1.0	23
110	Astrobiological Stoichiometry. <i>Astrobiology</i> , 2014, 14, 603-626.	1.5	22
111	Detectability of Life Using Oxygen on Pelagic Planets and Water Worlds. <i>Astrophysical Journal</i> , 2020, 893, 163.	1.6	22
112	Large molybdenum isotope variations trace subsurface fluid migration along the Dead Sea transform. <i>Geology</i> , 2009, 37, 463-466.	2.0	21
113	Molybdenum isotopes in hydrothermal manganese crust from the Ryukyu arc system: Implications for the source of molybdenum. <i>Marine Geology</i> , 2015, 369, 91-99.	0.9	21
114	Iron isotope investigation of hydrothermal and sedimentary pyrite and their aqueous dissolution products. <i>Chemical Geology</i> , 2016, 427, 73-82.	1.4	21
115	Reconciling evidence of oxidative weathering and atmospheric anoxia on Archean Earth. <i>Science Advances</i> , 2021, 7, eabj0108.	4.7	21
116	The Impact of Particle Size, Relative Humidity, and Sulfur Dioxide on Iron Solubility in Simulated Atmospheric Marine Aerosols. <i>Environmental Science & Technology</i> , 2015, 49, 7179-7187.	4.6	20
117	Molybdenum isotope fractionation in glacial diamictites tracks the onset of oxidative weathering of the continental crust. <i>Earth and Planetary Science Letters</i> , 2020, 534, 116083.	1.8	20
118	Online biology degree program broadens access for women, first-generation to college, and low-income students, but grade disparities remain. <i>PLoS ONE</i> , 2020, 15, e0243916.	1.1	20
119	Uranium isotope variations in a dolomitized Jurassic carbonate platform (Tithonian; Franconian Alb.) <i>Tj ETQq1 1 0.784314 rgBT /Overloc</i>	1.4	18
120	Uranium Isotope Fractionation ($^{238}\text{U}/^{235}\text{U}$) during U(VI) Uptake by Freshwater Plankton. <i>Environmental Science & Technology</i> , 2020, 54, 2744-2752.	4.6	18
121	Molybdenum isotope and trace metal signals in an iron-rich Mesoproterozoic ocean: A snapshot from the Vindhyan Basin, India. <i>Precambrian Research</i> , 2020, 343, 105718.	1.2	18
122	A framework for understanding Mo isotope records of Archean and Paleoproterozoic Fe- and Mn-rich sedimentary rocks: Insights from modern marine hydrothermal Fe-Mn oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 280, 221-236.	1.6	17
123	Undergraduate Biology Students Received Higher Grades During COVID-19 but Perceived Negative Effects on Learning. <i>Frontiers in Education</i> , 2021, 6, .	1.2	17
124	Students in Fully Online Programs Report More Positive Attitudes toward Science Than Students in Traditional, In-Person Programs. <i>CBE Life Sciences Education</i> , 2017, 16, ar60.	1.1	15
125	An expanded shale ^{98}Mo record permits recurrent shallow marine oxygenation during the Neoproterozoic. <i>Chemical Geology</i> , 2020, 532, 119391.	1.4	15
126	Novel watermass reconstruction in the Early Mississippian Appalachian Seaway based on integrated proxy records of redox and salinity. <i>Earth and Planetary Science Letters</i> , 2021, 558, 116746.	1.8	15

#	ARTICLE	IF	CITATIONS
127	Evolutionary History of Bioessential Elements Can Guide the Search for Life in the Universe. ChemBioChem, 2021, 22, 114-119.	1.3	14
128	Anoxic depositional overprinting of $^{238}\text{U}/^{235}\text{U}$ in calcite: When do carbonates tell black shale tales?. Geology, 2021, 49, 1193-1197.	2.0	13
129	THE EFFECTS OF CHANGING ATMOSPHERIC OXYGEN CONCENTRATIONS AND BACKGROUND RADIATION LEVELS ON RADIOGENIC DNA DAMAGE RATES. Health Physics, 2001, 81, 545-553.	0.3	12
130	Uranium isotope evidence for extensive shallow water anoxia in the early Tonian oceans. Earth and Planetary Science Letters, 2022, 583, 117437.	1.8	12
131	Biogeochemical reconstructions of life histories as a method to assess regional interactions: Stable oxygen and radiogenic strontium isotopes and Late Intermediate Period mobility on the Central Peruvian Coast. Journal of Archaeological Science: Reports, 2017, 13, 535-546.	0.2	11
132	Preliminary exploration of molybdenum isotope fractionation during coprecipitation of molybdate with abiotic and microbial calcite. Chemical Geology, 2021, 566, 120102.	1.4	11
133	Assessing molybdenum isotope fractionation during continental weathering as recorded by weathering profiles in saprolites and bauxites. Chemical Geology, 2021, 566, 120103.	1.4	8
134	Redox renaissance. Geology, 2008, 36, 271.	2.0	7
135	Quantifying Molybdenum Isotopic Speciation in Sulfidic Water: Implications for the Paleoredox Proxy. ACS Earth and Space Chemistry, 2021, 5, 2891-2899.	1.2	7
136	$^{238}\text{U}/^{235}\text{U}$ in calcite is more susceptible to carbonate diagenesis. Geochimica Et Cosmochimica Acta, 2022, 326, 273-287.	1.6	7
137	Progressive ocean oxygenation at $\sim 2.2\text{Ga}$ inferred from geochemistry and molybdenum isotopes of the Nsuta Mn deposit, Ghana. Chemical Geology, 2021, 567, 120116.	1.4	6
138	Significance of ^{56}Fe depletions in late-Archean shales and pyrite. Geochimica Et Cosmochimica Acta, 2022, 316, 87-104.	1.6	6
139	Evolution of the atmosphere and ocean through time. Chemical Geology, 2013, 362, 1-2.	1.4	5
140	Pelagic clays as archives of marine iron isotope chemistry. Chemical Geology, 2021, 575, 120201.	1.4	5
141	Bridge the planetary divide. Nature, 2016, 539, 25-27.	13.7	5
142	Prokaryotic cells separated from sediments are suitable for elemental composition analysis. Limnology and Oceanography: Methods, 2014, 12, 519-529.	1.0	4
143	Shale Heavy Metal Isotope Records of Low Environmental O_2 Between Two Archean Oxidation Events. Frontiers in Earth Science, 2022, 10, .	0.8	4
144	Did nature also choose arsenic?. Nature Precedings, 2008, .	0.1	2

#	ARTICLE	IF	CITATIONS
145	Report on a NASA Astrobiology Instituteâ€Funded Workshop Without Walls: Stellar Stoichiometry. <i>Astrobiology</i> , 2014, 14, 271-276.	1.5	2
146	Gamifying Virtual Exploration of the Past 350 Million Years of Vertebrate Evolution. <i>Frontiers in Education</i> , 2022, 7, .	1.2	2
147	Avances recientes en la compresiÃ³n del sistema de vida terrestre del EdiacÃ¡rico tardÃo en China meridional y el Ãrtico siberiano. <i>Estudios Geologicos</i> , 2019, 75, 097.	0.7	1
148	Session 38. Evolution. <i>Astrobiology</i> , 2008, 8, 468-471.	1.5	0
149	The Astrobiology Science Conference, 2008. <i>Astrobiology</i> , 2008, 8, 289-290.	1.5	0
150	Session 39. Life in Extreme Environments. <i>Astrobiology</i> , 2008, 8, 472-475.	1.5	0
151	Session 4. Astrobiology and Lunar Exploration. <i>Astrobiology</i> , 2008, 8, 306-309.	1.5	0
152	Reply to Butterfield: The Devonian radiation of large predatory fish coincided with elevated atmospheric oxygen levels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E29-E29.	3.3	0
153	Improving societies' harassment policies. <i>Science</i> , 2018, 361, 984-985.	6.0	0
154	Calcium Isotopic Composition and Its Association With Multiple Myeloma Disease Activity. <i>Blood</i> , 2013, 122, 3157-3157.	0.6	0
155	Title is missing!. , 2020, 15, e0243916.		0
156	Title is missing!. , 2020, 15, e0243916.		0
157	Title is missing!. , 2020, 15, e0243916.		0
158	Title is missing!. , 2020, 15, e0243916.		0
159	Title is missing!. , 2020, 15, e0243916.		0
160	Title is missing!. , 2020, 15, e0243916.		0