

Ariel D Anbar

List of Publications by Year in descending order

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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	Significance of ^{56}Fe depletions in late-Archean shales and pyrite. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 316, 87-104.	1.6	6
2	$^{238}\text{U}/^{235}\text{U}$ in calcite is more susceptible to carbonate diagenesis. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 326, 273-287.	1.6	7
3	Gamifying Virtual Exploration of the Past 350 Million Years of Vertebrate Evolution. <i>Frontiers in Education</i> , 2022, 7, .	1.2	2
4	Uranium isotope evidence for extensive shallow water anoxia in the early Tonian oceans. <i>Earth and Planetary Science Letters</i> , 2022, 583, 117437.	1.8	12
5	Shale Heavy Metal Isotope Records of Low Environmental O_2 Between Two Archean Oxidation Events. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	4
6	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
7	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
8	Evolutionary History of Bioessential Elements Can Guide the Search for Life in the Universe. <i>ChemBioChem</i> , 2021, 22, 114-119.	1.3	14
9	Earth's First Redox Revolution. <i>Annual Review of Earth and Planetary Sciences</i> , 2021, 49, 337-366.	4.6	42
10	Conodont calcium isotopic evidence for multiple shelf acidification events during the Early Triassic. <i>Chemical Geology</i> , 2021, 562, 120038.	1.4	28
11	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
12	Preliminary exploration of molybdenum isotope fractionation during coprecipitation of molybdate with abiotic and microbial calcite. <i>Chemical Geology</i> , 2021, 566, 120102.	1.4	11
13	Assessing molybdenum isotope fractionation during continental weathering as recorded by weathering profiles in saprolites and bauxites. <i>Chemical Geology</i> , 2021, 566, 120103.	1.4	8
14	Progressive ocean oxygenation at $\sim 2.2\text{ Ga}$ inferred from geochemistry and molybdenum isotopes of the Nsuta Mn deposit, Ghana. <i>Chemical Geology</i> , 2021, 567, 120116.	1.4	6
15	Anoxic depositional overprinting of $^{238}\text{U}/^{235}\text{U}$ in calcite: When do carbonates tell black shale tales?. <i>Geology</i> , 2021, 49, 1193-1197.	2.0	13
16	The Science Case for a Return to Enceladus. <i>Planetary Science Journal</i> , 2021, 2, 132.	1.5	40
17	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
18	Pelagic clays as archives of marine iron isotope chemistry. <i>Chemical Geology</i> , 2021, 575, 120201.	1.4	5

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19	Reconciling evidence of oxidative weathering and atmospheric anoxia on Archean Earth. <i>Science Advances</i> , 2021, 7, eabj0108.	4.7	21
20	Redox dynamics of later Cambrian oceans. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 581, 110623.	1.0	23
21	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
22	Quantifying Molybdenum Isotopic Speciation in Sulfidic Water: Implications for the Paleoredox Proxy. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2891-2899.	1.2	7
23	An expanded shale $\delta^{98}\text{Mo}$ record permits recurrent shallow marine oxygenation during the Neoproterozoic. <i>Chemical Geology</i> , 2020, 532, 119391.	1.4	15
24	Extensive marine anoxia associated with the Late Devonian Hangenberg Crisis. <i>Earth and Planetary Science Letters</i> , 2020, 533, 115976.	1.8	49
25	Returning Samples From Enceladus for Life Detection. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, .	1.1	32
26	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
27	Comparison of Ediacaran platform and slope $\delta^{238}\text{U}$ 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
28	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
29	Mineral Dust and Iron Solubility: Effects of Composition, Particle Size, and Surface Area. <i>Atmosphere</i> , 2020, 11, 533.	1.0	27
30	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
31	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
32	Evidence for high organic carbon export to the early Cambrian seafloor. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 125-140.	1.6	44
33	Uranium Isotope Fractionation ($\delta^{238}\text{U}/\delta^{235}\text{U}$) during U(VI) Uptake by Freshwater Plankton. <i>Environmental Science & Technology</i> , 2020, 54, 2744-2752.	4.6	18
34	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
35	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
36	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

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37	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
38	Detectability of Life Using Oxygen on Pelagic Planets and Water Worlds. <i>Astrophysical Journal</i> , 2020, 893, 163.	1.6	22
39	Title is missing!. , 2020, 15, e0243916.		0
40	Title is missing!. , 2020, 15, e0243916.		0
41	Title is missing!. , 2020, 15, e0243916.		0
42	Title is missing!. , 2020, 15, e0243916.		0
43	Title is missing!. , 2020, 15, e0243916.		0
44	Title is missing!. , 2020, 15, e0243916.		0
45	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
46	Global marine redox changes drove the rise and fall of the Ediacara biota. <i>Geobiology</i> , 2019, 17, 594-610.	1.1	92
47	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
48	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
49	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
50	Uranium isotope evidence for limited euxinia in mid-Proterozoic oceans. <i>Earth and Planetary Science Letters</i> , 2019, 521, 150-157.	1.8	61
51	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
52	Immersive, interactive virtual field trips promote science learning. <i>Journal of Geoscience Education</i> , 2019, 67, 131-142.	0.8	80
53	Fully oxygenated water columns over continental shelves before the Great Oxidation Event. <i>Nature Geoscience</i> , 2019, 12, 186-191.	5.4	95
54	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

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55	Volcanically modulated pyrite burial and oceanic atmosphere oxidation. <i>Earth and Planetary Science Letters</i> , 2019, 506, 417-427.	1.8	28
56	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
57	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
58	Avances recientes en la comprensión del sistema de vida terrestre del Ediacárico tardío en China meridional y el Ártico siberiano. <i>Estudios Geológicos</i> , 2019, 75, 097.	0.7	1
59	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
60	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
61	<i>Habitable Worlds: Delivering on the Promises of Online Education</i> . <i>Astrobiology</i> , 2018, 18, 86-99.	1.5	24
62	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
63	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
64	Improving societies' harassment policies. <i>Science</i> , 2018, 361, 984-985.	6.0	0
65	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
66	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
67	Uranium isotope variations in a dolomitized Jurassic carbonate platform (Tithonian; Franconian Alb.) <i>Tj ETQq1 1 0.784314 rgBT / Overl</i>	1.4	18
68	Extensive marine anoxia during the terminal Ediacaran Period. <i>Science Advances</i> , 2018, 4, ean8983.	4.7	126
69	THE STABLE ISOTOPE GEOCHEMISTRY OF MOLYBDENUM. <i>Reviews in Mineralogy and Geochemistry</i> , 2017, 82, 683-732.	2.2	191
70	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
71	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
72	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

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73	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. <i>Journal of Archaeological Science: Reports</i> , 2017, 13, 535-546.	0.2	11
74	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
75	Syndepositional diagenetic control of molybdenum isotope variations in carbonate sediments from the Bahamas. <i>Chemical Geology</i> , 2016, 438, 84-90.	1.4	54
76	A COMPARISON OF STELLAR ELEMENTAL ABUNDANCE TECHNIQUES AND MEASUREMENTS. <i>Astrophysical Journal, Supplement Series</i> , 2016, 226, 4.	3.0	59
77	Uranium isotope fractionation during coprecipitation with aragonite and calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 188, 189-207.	1.6	86
78	Iron isotope investigation of hydrothermal and sedimentary pyrite and their aqueous dissolution products. <i>Chemical Geology</i> , 2016, 427, 73-82.	1.4	21
79	Bridge the planetary divide. <i>Nature</i> , 2016, 539, 25-27.	13.7	5
80	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
81	Selenium isotopes support free O ₂ in the latest Archean. <i>Geology</i> , 2015, 43, 259-262.	2.0	74
82	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
83	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
84	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
85	Transient episodes of mild environmental oxygenation and oxidative continental weathering during the late Archean. <i>Science Advances</i> , 2015, 1, e1500777.	4.7	61
86	Proposal for an International Molybdenum Isotope Measurement Standard and Data Representation. <i>Geostandards and Geoanalytical Research</i> , 2014, 38, 149-151.	1.7	96
87	Astrobiological Stoichiometry. <i>Astrobiology</i> , 2014, 14, 603-626.	1.5	22
88	Follow the Plume: The Habitability of Enceladus. <i>Astrobiology</i> , 2014, 14, 352-355.	1.5	91
89	Uranium isotope systematics of ferromanganese crusts in the Pacific Ocean: Implications for the marine ²³⁸ U/ ²³⁵ U isotope system. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 146, 43-58.	1.6	85
90	Report on a NASA Astrobiology Instituteâ€Funded Workshop Without Walls: Stellar Stoichiometry. <i>Astrobiology</i> , 2014, 14, 271-276.	1.5	2

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91	Prokaryotic cells separated from sediments are suitable for elemental composition analysis. <i>Limnology and Oceanography: Methods</i> , 2014, 12, 519-529.	1.0	4
92	Uranium isotope fractionation suggests oxidative uranium mobilization at 2.50 Ga. <i>Chemical Geology</i> , 2013, 362, 105-114.	1.4	101
93	Evolution of the atmosphere and ocean through time. <i>Chemical Geology</i> , 2013, 362, 1-2.	1.4	5
94	Resolution of inter-laboratory discrepancies in Mo isotope data: an intercalibration. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 724.	1.6	138
95	Bioavailability of zinc in marine systems through time. <i>Nature Geoscience</i> , 2013, 6, 125-128.	5.4	84
96	Molybdenum geochemistry in a seasonally dysoxic Mo-limited lacustrine ecosystem. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 114, 204-219.	1.6	35
97	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
98	Unique Hg Stable Isotope Signatures of Compact Fluorescent Lamp-Sourced Hg. <i>Environmental Science & Technology</i> , 2013, 47, 2542-2547.	4.6	43
99	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
100	Calcium Isotopic Composition and Its Association With Multiple Myeloma Disease Activity. <i>Blood</i> , 2013, 122, 3157-3157.	0.6	0
101	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
102	Anomalous molybdenum isotope trends in Upper Pennsylvanian euxinic facies: Significance for use of ¹³⁸ Mo as a global marine redox proxy. <i>Chemical Geology</i> , 2012, 324-325, 87-98.	1.4	48
103	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
104	Isotopic Fingerprints of Anthropogenic Molybdenum in Lake Sediments. <i>Environmental Science & Technology</i> , 2012, 46, 10934-10940.	4.6	34
105	Iron isotope and trace metal records of iron cycling in the proto-North Atlantic during the Cenomanian-Turonian oceanic anoxic event (OAE-2). <i>Paleoceanography</i> , 2012, 27, .	3.0	56
106	Ocean oxygenation in the wake of the Marinoan glaciation. <i>Nature</i> , 2012, 489, 546-549.	13.7	420
107	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
108	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

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109	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
110	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
111	The molecular mechanism of Mo isotope fractionation during adsorption to birnessite. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5019-5031.	1.6	97
112	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
113	Molybdenum evidence for expansive sulfidic water masses in ~750Ma oceans. <i>Earth and Planetary Science Letters</i> , 2011, 311, 264-274.	1.8	102
114	Uranium Isotope Fractionation during Adsorption to Mn-Oxyhydroxides. <i>Environmental Science & Technology</i> , 2011, 45, 1370-1375.	4.6	154
115	A Bacterium That Can Grow by Using Arsenic Instead of Phosphorus. <i>Science</i> , 2011, 332, 1163-1166.	6.0	422
116	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
117	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
118	Response to Comments on "A Bacterium That Can Grow Using Arsenic Instead of Phosphorus". <i>Science</i> , 2011, 332, 1149-1149.	6.0	23
119	Molybdenum-nitrogen limitation in freshwater and coastal heterocystous cyanobacteria. <i>Limnology and Oceanography</i> , 2010, 55, 667-676.	1.6	38
120	Pervasive oxygenation along late Archaean ocean margins. <i>Nature Geoscience</i> , 2010, 3, 647-652.	5.4	233
121	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
122	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
123	Fe Isotope Fractionation during Equilibration of Fe ²⁺ Organic Complexes. <i>Environmental Science & Technology</i> , 2010, 44, 6095-6101.	4.6	60
124	Introducing ^{88/86} 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
125	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
126	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

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127	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
128	Natural variations in uranium isotope ratios of uranium ore concentrates: Understanding the $^{238}\text{U}/^{235}\text{U}$ fractionation mechanism. <i>Earth and Planetary Science Letters</i> , 2010, 291, 228-233.	1.8	165
129	Molybdenum-nitrogen co-limitation in freshwater and coastal heterocystous cyanobacteria. <i>Limnology and Oceanography</i> , 2010, 55, 667-676.	1.6	36
130	Isotopic Evidence for an Aerobic Nitrogen Cycle in the Latest Archean. <i>Science</i> , 2009, 323, 1045-1048.	6.0	214
131	Large molybdenum isotope variations trace subsurface fluid migration along the Dead Sea transform. <i>Geology</i> , 2009, 37, 463-466.	2.0	21
132	Did nature also choose arsenic?. <i>International Journal of Astrobiology</i> , 2009, 8, 69-74.	0.9	64
133	A Late Archean Sulfidic Sea Stimulated by Early Oxidative Weathering of the Continents. <i>Science</i> , 2009, 326, 713-716.	6.0	241
134	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
135	Stable Isotopes as a Tool to Apportion Atmospheric Iron. <i>Environmental Science & Technology</i> , 2009, 43, 4327-4333.	4.6	30
136	Re ϵ Os and Mo isotope systematics of black shales from the Middle Proterozoic Velkerri and Wollgorang Formations, McArthur Basin, northern Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2534-2558.	1.6	209
137	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
138	A Contemporary Microbially Maintained Subglacial Ferrous "Ocean". <i>Science</i> , 2009, 324, 397-400.	6.0	243
139	Solution structure of molybdic acid from Raman spectroscopy and DFT analysis. <i>Inorganica Chimica Acta</i> , 2008, 361, 1000-1007.	1.2	75
140	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
141	Session 38. Evolution. <i>Astrobiology</i> , 2008, 8, 468-471.	1.5	0
142	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
143	Elements and Evolution. <i>Science</i> , 2008, 322, 1481-1483.	6.0	300
144	The Astrobiology Science Conference, 2008. <i>Astrobiology</i> , 2008, 8, 289-290.	1.5	0

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145	Session 39. Life in Extreme Environments. <i>Astrobiology</i> , 2008, 8, 472-475.	1.5	0
146	Session 4. Astrobiology and Lunar Exploration. <i>Astrobiology</i> , 2008, 8, 306-309.	1.5	0
147	Redox renaissance. <i>Geology</i> , 2008, 36, 271.	2.0	7
148	Did nature also choose arsenic?. <i>Nature Precedings</i> , 2008, , .	0.1	2
149	Natural Calcium Isotopic Composition of Urine as a Marker of Bone Mineral Balance. <i>Clinical Chemistry</i> , 2007, 53, 1155-1158.	1.5	78
150	Decoupling photochemical Fe(II) oxidation from shallow-water BIF deposition. <i>Earth and Planetary Science Letters</i> , 2007, 258, 87-100.	1.8	227
151	Late Archean Biospheric Oxygenation and Atmospheric Evolution. <i>Science</i> , 2007, 317, 1900-1903.	6.0	327
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