Gwyneth W Gordon

List of Publications by Year
in descending order

56	4,213	218677	189892
papers	citations	26 h-index	50 g-index

56	56	56	3997
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Significance of 56Fe depletions in late-Archean shales and pyrite. Geochimica Et Cosmochimica Acta, 2022, 316, 87-104.	3.9	6
2	An interlaboratory study to evaluate the forensic analysis and interpretation of glass evidence. Forensic Chemistry, 2022, 27, 100378.	2.8	10
3	Migration, violence, and the â€œotherâ€• A biogeochemical approach to identity-based violence in the Epiclassic Basin of Mexico. Journal of Anthropological Archaeology, 2021, 61, 101263.	1.6	9
4	Conodont calcium isotopic evidence for multiple shelf acidification events during the Early Triassic. Chemical Geology, 2021, 562, 120038.	3.3	28
5	Progressive ocean oxygenation atÂ~2.2ÂGa inferred from geochemistry and molybdenum isotopes of the Nsuta Mn deposit, Ghana. Chemical Geology, 2021, 567, 120116.	3.3	6
6	Reconstructing feast provisioning at Halaf Domuztepe: Evidence from radiogenic strontium analyses. Journal of Archaeological Science, 2021, 131, 105408.	2.4	1
7	Redox dynamics of later Cambrian oceans. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 581, 110623.	2.3	23
8	An expanded shale Î´98Mo record permits recurrent shallow marine oxygenation during the Neoarchean. Chemical Geology, 2020, 532, 119391.	3.3	15
9	Drinking Locally: A Water 87Sr/86Sr Isoscape for Geolocation of Archeological Samples in the Peruvian Andes. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	11
10	New understandings of the sea spray effect and its impact on bioavailable radiogenic strontium isotope ratios in coastal environments. Journal of Archaeological Science: Reports, 2020, 33, 102462.	0.5	8
11	Expanding radiogenic strontium isotope baseline data for central Mexican paleomobility studies. PLoS ONE, 2020, 15, e0229687.	2.5	18
12	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. Geochimica Et Cosmochimica Acta, 2020, 280, 221-236.	3.9	17
13	Expanding radiogenic strontium isotope baseline data for central Mexican paleomobility studies. , 2020, 15, e0229687.		0
14	Expanding radiogenic strontium isotope baseline data for central Mexican paleomobility studies. , 2020, 15, e0229687.		0
15	Expanding radiogenic strontium isotope baseline data for central Mexican paleomobility studies. , 2020, 15, e0229687.		0
16	Expanding radiogenic strontium isotope baseline data for central Mexican paleomobility studies. , 2020, 15, e0229687.		0
17	Traveling monastic paths: Mobility and religion at medieval Irish monasteries. Journal of Anthropological Archaeology, 2019, 55, 101077.	1.6	6
18	Multiple negative molybdenum isotope excursions in the Doushantuo Formation (South China) fingerprint complex redox-related processes in the Ediacaran Nanhua Basin. Geochimica Et Cosmochimica Acta, 2019, 261, 191-209.	3.9	52

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19	Field-deployable measurements of free-living individuals to determine energy balance: fuel substrate usage through Î´¹³C in breath CO₂ and diet through hair Î´¹³C and Î´¹⁵N values. Isotopes in Environmental and Health Studies, 2019, 55, 70-79.	1.0	1
20	Fully oxygenated water columns over continental shelves before the Great Oxidation Event. Nature Geoscience, 2019, 12, 186-191.	12.9	95
21	Isotopic perspectives on pastoralist mobility in the Late Bronze Age South Caucasus. Journal of Anthropological Archaeology, 2019, 54, 48-67.	1.6	22
22	Preservation of hair stable isotope signatures during freezing and law enforcement evidence packaging. Forensic Chemistry, 2018, 11, 108-119.	2.8	7
23	Links between seawater paleoredox and the formation of sediment-hosted massive sulphide (SHMS) deposits â€" Fe speciation and Mo isotope constraints from Late Devonian mudstones. Chemical Geology, 2018, 490, 45-60.	3.3	19
24	Uranium isotope variations in a dolomitized Jurassic carbonate platform (Tithonian; Franconian Alb,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	18
25	Marine redox conditions during deposition of Late Ordovician and Early Silurian organic-rich mudrocks in the Siljan ring district, central Sweden. Chemical Geology, 2017, 457, 75-94.	3.3	42
26	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.	0.5	11
27	Iron isotope investigation of hydrothermal and sedimentary pyrite and their aqueous dissolution products. Chemical Geology, 2016, 427, 73-82.	3.3	21
28	From water to edible fish. Transfer of metals and metalloids in the San Roque Reservoir (CÃ³rdoba,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	6.3	66
29	Characterization, Recovery Opportunities, and Valuation of Metals in Municipal Sludges from U.S. Wastewater Treatment Plants Nationwide. Environmental Science & Technology, 2015, 49, 9479-9488.	10.0	199
30	Uranium and molybdenum isotope evidence for an episode of widespread ocean oxygenation during the late Ediacaran Period. Geochimica Et Cosmochimica Acta, 2015, 156, 173-193.	3.9	222
31	Using natural, stable calcium isotopes of human blood to detect and monitor changes in bone mineral balance. Bone, 2015, 77, 69-74.	2.9	44
32	Molybdenum isotopes in hydrothermal manganese crust from the Ryukyu arc system: Implications for the source of molybdenum. Marine Geology, 2015, 369, 91-99.	2.1	21
33	Redox conditions across the Cambrianâ€"Ordovician boundary: Elemental and isotopic signatures retained in the GSSP carbonates. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 440, 440-454.	2.3	33
34	Uranium isotope systematics of ferromanganese crusts in the Pacific Ocean: Implications for the marine 238U/235U isotope system. Geochimica Et Cosmochimica Acta, 2014, 146, 43-58.	3.9	85
35	Resolution of inter-laboratory discrepancies in Mo isotope data: an intercalibration. Journal of Analytical Atomic Spectrometry, 2013, 28, 724.	3.0	138
36	Calcium Isotopic Composition and Its Association With Multiple Myeloma Disease Activity. Blood, 2013, 122, 3157-3157.	1.4	0

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37	Rapidly assessing changes in bone mineral balance using natural stable calcium isotopes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9989-9994.	7.1	115
38	Isotopic Fingerprints of Anthropogenic Molybdenum in Lake Sediments. Environmental Science & Technology, 2012, 46, 10934-10940.	10.0	34
39	High-Precision Measurement of Variations in Calcium Isotope Ratios in Urine by Multiple Collector Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2011, 83, 6956-6962.	6.5	50
40	Plantâ^'Soil Distribution of Potentially Toxic Elements in Response to Elevated Atmospheric CO₂. Environmental Science & Technology, 2011, 45, 2570-2574.	10.0	26
41	Molybdenum isotope constraints on the extent of late Paleoproterozoic ocean euxinia. Earth and Planetary Science Letters, 2011, 307, 450-460.	4.4	99
42	Molybdenum evidence for expansive sulfidic water masses in ~750Ma oceans. Earth and Planetary Science Letters, 2011, 311, 264-274.	4.4	102
43	A Bacterium That Can Grow by Using Arsenic Instead of Phosphorus. Science, 2011, 332, 1163-1166.	12.6	422
44	Comments on â€œApplication of laser ablation multicollector inductively coupled plasma mass spectrometry for the measurement of calcium and lead isotope ratios in packaging for discriminatory purposesâ€• Rapid Communications in Mass Spectrometry, 2011, 25, 3196-3198.	1.5	3
45	Reply to Butterfield: The Devonian radiation of large predatory fish coincided with elevated atmospheric oxygen levels. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E29-E29.	7.1	0
46	Devonian rise in atmospheric oxygen correlated to the radiations of terrestrial plants and large predatory fish. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17911-17915.	7.1	340
47	Introducing î88/86Sr analysis in archaeology: a demonstration of the utility of strontium isotope fractionation in paleodietary studies. Journal of Archaeological Science, 2010, 37, 2352-2364.	2.4	97
48	The behavior of molybdenum and its isotopes across the chemocline and in the sediments of sulfidic Lake Cadagno, Switzerland. Geochimica Et Cosmochimica Acta, 2010, 74, 144-163.	3.9	129
49	Molybdenum isotope evidence for mild environmental oxygenation before the Great Oxidation Event. Geochimica Et Cosmochimica Acta, 2010, 74, 6655-6668.	3.9	139
50	Isotopic evidence for Fe cycling and repartitioning in ancient oxygen-deficient settings: Examples from black shales of the mid-to-late Devonian Appalachian basin. Earth and Planetary Science Letters, 2010, 290, 244-253.	4.4	42
51	Large molybdenum isotope variations trace subsurface fluid migration along the Dead Sea transform. Geology, 2009, 37, 463-466.	4.4	21
52	Reâ€“Os and Mo isotope systematics of black shales from the Middle Proterozoic Velkerri and Wollogorang Formations, McArthur Basin, northern Australia. Geochimica Et Cosmochimica Acta, 2009, 73, 2534-2558.	3.9	209
53	Modern iron isotope perspective on the benthic iron shuttle and the redox evolution of ancient oceans. Geology, 2008, 36, 487.	4.4	197
54	Redox renaissance. Geology, 2008, 36, 271.	4.4	7

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55	Synthetic Hydrogenases:â€‰ Incorporation of an Iron Carbonyl Thiolate into a Designed Peptide. Journal of the American Chemical Society, 2007, 129, 14844-14845.	13.7	105
56	A Whiff of Oxygen Before the Great Oxidation Event?. Science, 2007, 317, 1903-1906.	12.6	822