

Elizabeth Griffith

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,300
citations

430874

18
h-index

361022

35
g-index

42
all docs

42
docs citations

42
times ranked

1541
citing authors

#	ARTICLE	IF	CITATIONS
1	Marine barite: Recorder of variations in ocean export productivity. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 687-705.	1.4	268
2	Barite in the ocean – occurrence, geochemistry and palaeoceanographic applications. <i>Sedimentology</i> , 2012, 59, 1817-1835.	3.1	257
3	A Dynamic Marine Calcium Cycle During the Past 28 Million Years. <i>Science</i> , 2008, 322, 1671-1674.	12.6	97
4	Influences on the fractionation of calcium isotopes in planktonic foraminifera. <i>Earth and Planetary Science Letters</i> , 2008, 268, 124-136.	4.4	58
5	Characterization of calcium isotopes in natural and synthetic barite. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5641-5658.	3.9	57
6	Toward an Improved Understanding of the Marine Barium Cycle and the Application of Marine Barite as a Paleoproductivity Proxy. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 421.	2.0	51
7	Stable strontium isotope fractionation in synthetic barite. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 147, 58-75.	3.9	43
8	Effects of ocean acidification on the marine calcium isotope record at the Paleocene–Eocene Thermal Maximum. <i>Earth and Planetary Science Letters</i> , 2015, 419, 81-92.	4.4	36
9	A 35-million-year record of seawater stable Sr isotopes reveals a fluctuating global carbon cycle. <i>Science</i> , 2021, 371, 1346-1350.	12.6	31
10	Accuracy and precision of $^{88}\text{Sr}/^{86}\text{Sr}$ and $^{87}\text{Sr}/^{86}\text{Sr}$ measurements by MC-ICPMS compromised by high barium concentrations. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 499-508.	2.5	27
11	Export productivity and carbonate accumulation in the Pacific Basin at the transition from a greenhouse to icehouse climate (late Eocene to early Oligocene). <i>Paleoceanography</i> , 2010, 25, .	3.0	26
12	Revised chronostratigraphy of DSDP Site 270 and late Oligocene to early Miocene paleoecology of the Ross Sea sector of Antarctica. <i>Global and Planetary Change</i> , 2019, 178, 46-64.	3.5	25
13	Seawater calcium isotope ratios across the Eocene-Oligocene transition. <i>Geology</i> , 2011, 39, 683-686.	4.4	24
14	A revised seawater sulfate S-isotope curve for the Eocene. <i>Chemical Geology</i> , 2020, 532, 119382.	3.3	23
15	Terrestrial cooling and changes in hydroclimate in the continental interior of the United States across the Eocene-Oligocene boundary. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 1073-1084.	3.3	21
16	Elucidating modern geochemical cycles at local, regional, and global scales using calcium isotopes. <i>Chemical Geology</i> , 2020, 534, 119445.	3.3	21
17	A large West Antarctic Ice Sheet explains early Neogene sea-level amplitude. <i>Nature</i> , 2021, 600, 450-455.	27.8	21
18	Diffuse spectral reflectance of surficial sediments indicates sedimentary environments on the shelves of the Bering Sea and western Arctic. <i>Marine Geology</i> , 2014, 355, 218-233.	2.1	20

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19	Controls on stable Sr-isotope fractionation in continental barite. <i>Chemical Geology</i> , 2015, 411, 215-227.	3.3	19
20	Combining metal and nonmetal isotopic measurements in barite to identify mode of formation. <i>Chemical Geology</i> , 2018, 500, 148-158.	3.3	19
21	A revised chronostratigraphic framework for International Ocean Discovery Program Expedition 355 sites in Laxmi Basin, eastern Arabian Sea. <i>Geological Magazine</i> , 2020, 157, 961-978.	1.5	18
22	Mid- to late-Holocene Indian winter monsoon variability from a terrestrial record in eastern and southeastern coastal environments of Sri Lanka. <i>Holocene</i> , 2013, 23, 945-960.	1.7	17
23	Isotopic analysis, hydrogeochemistry and geothermometry of Tang-Bijar oilfield springs, Zagros region, Iran. <i>Geothermics</i> , 2015, 55, 24-30.	3.4	13
24	Variations in $\delta^{13}C$ values of sedimentary organic matter since late Miocene time in the Indus Fan (IODP) Tj ETQq0 0.0 rgBT /Overlock 10	1.5	13
25	Highlighting altruism in geoscience careers aligns with diverse US student ideals better than emphasizing working outdoors. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	13
26	Did early land plants produce a stepwise change in atmospheric oxygen during the Late Ordovician (Sandbian ~458 Ma)? <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 534, 109341.	2.3	12
27	Benthic-Pelagic Decoupling: The Marine Biological Carbon Pump During Eocene Hyperthermals. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004053.	2.9	12
28	Large-scale mass wasting on the Miocene continental margin of western India. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 85-112.	3.3	11
29	Celestine in a sulfidic spring barite deposit - A potential biomarker?. <i>Chemical Geology</i> , 2016, 440, 15-25.	3.3	10
30	Clay-fraction strontium and neodymium isotopes in the Indus Fan: implications for sediment transport and provenance. <i>Geological Magazine</i> , 2020, 157, 879-894.	1.5	9
31	Nd isotopic evidence for enhanced mafic weathering leading to Ordovician cooling. <i>Geology</i> , 2022, 50, 886-890.	4.4	9
32	Role of seafloor production versus continental basalt weathering in Middle to Late Ordovician seawater $^{87}Sr/^{86}Sr$ and climate. <i>Earth and Planetary Science Letters</i> , 2022, 593, 117641.	4.4	6
33	Peak intervals of equatorial Pacific export production during the middle Miocene climate transition. <i>Geology</i> , 2016, 44, 923-926.	4.4	4
34	Introduction to calcium isotope geochemistry: Past lessons and future directions. <i>Chemical Geology</i> , 2020, 537, 119470.	3.3	4
35	Geochemical and Hydrologic Assessment of Drainage from Cherry Valley Coal Mine, Ohio. <i>Environmental and Engineering Geoscience</i> , 2014, 20, 257-272.	0.9	1
36	Strontium isotopes as a potential fingerprint of total dissolved solids associated with hydraulic-fracturing activities in the Barnett Shale, Texas. <i>Environmental Geosciences</i> , 2017, 24, 151-165.	0.6	1

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37	Calcium isotope geochemistry: Past lessons and future directions A dedication to Thomas Darwin Bullen (1951â€“Sept. 7, 2018). <i>Chemical Geology</i> , 2019, 528, 119271.	3.3	0