Amy Gartman

List of Publications by Year
in descending order

27 papers	1,205 citations	361296 20 h-index	552653 26 g-index
29 all docs	29 docs citations	29 times ranked	1465 citing authors

#	Article	IF	Citations
1	Estimates of Metals Contained in Abyssal Manganese Nodules and Ferromanganese Crusts in the Global Ocean Based on Regional Variations and Genetic Types of Nodules. , 2022, , 53-80.		5
2	Interactions Between Iron Sulfide Minerals and Organic Carbon: Implications for Biosignature Preservation and Detection. Astrobiology, 2021, 21, 587-604.	1.5	5
3	Carbonate-hosted microbial communities are prolific and pervasive methane oxidizers at geologically diverse marine methane seep sites. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	8
4	Extent of impact of deep-sea nodule mining midwater plumes is influenced by sediment loading, turbulence and thresholds. Communications Earth & Environment, 2021, 2, .	2.6	38
5	Copepod assemblages along a hydrothermal stress gradient at diffuse flow habitats within the ABE vent site (Eastern Lau Spreading Center, Southwest Pacific). Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 173, 103532.	0.6	2
6	Sphalerite Oxidation in Seawater with Covellite: Implications for Seafloor Massive Sulfide Deposits and Mine Waste. ACS Earth and Space Chemistry, 2020, 4, 2261-2269.	1.2	2
7	Defining active, inactive, and extinct seafloor massive sulfide deposits. Marine Policy, 2020, 117, 103926.	1.5	28
8	Impacts of hydrothermal plume processes on oceanic metal cycles and transport. Nature Geoscience, 2020, 13, 396-402.	5.4	35
9	The role of nanoparticles in mediating element deposition and transport at hydrothermal vents. Geochimica Et Cosmochimica Acta, 2019, 261, 113-131.	1.6	21
10	Authigenic metastable iron sulfide minerals preserve microbial organic carbon in anoxic environments. Chemical Geology, 2019, 530, 119343.	1.4	28
11	The Fe(II)-oxidizingZetaproteobacteria: historical, ecological and genomic perspectives. FEMS Microbiology Ecology, 2019, 95, .	1.3	76
12	Sulfate-reducing bacteria influence the nucleation and growth of mackinawite and greigite. Geochimica Et Cosmochimica Acta, 2018, 220, 367-384.	1.6	104
13	Boiling-induced formation of colloidal gold in black smoker hydrothermal fluids. Geology, 2018, 46, 39-42.	2.0	49
14	Mineral Phase-Element Associations Based on Sequential Leaching of Ferromanganese Crusts, Amerasia Basin Arctic Ocean. Minerals (Basel, Switzerland), 2018, 8, 460.	0.8	11
15	Arctic Deep Water Ferromanganeseâ€Oxide Deposits Reflect the Unique Characteristics of the Arctic Ocean. Geochemistry, Geophysics, Geosystems, 2017, 18, 3771-3800.	1.0	41
16	Microbes Facilitate Mineral Deposition in Bioelectrochemical Systems. ACS Earth and Space Chemistry, 2017, 1, 277-287.	1.2	12
17	What Do We Really Know about the Role of Microorganisms in Iron Sulfide Mineral Formation?. Frontiers in Earth Science, 2016, 4, .	0.8	51
18	Trace metal concentration and partitioning in the first 1.5 m of hydrothermal vent plumes along the Mid-Atlantic Ridge: TAG, Snakepit, and Rainbow. Chemical Geology, 2015, 412, 117-131.	1.4	36

#	Article	IF	Citations
19	Oxidation of synthesized sub-micron pyrite (FeS 2) in seawater. Geochimica Et Cosmochimica Acta, 2014, 144, 96-108.	1.6	56
20	Nanoparticulate pyrite and other nanoparticles are a widespread component of hydrothermal vent black smoker emissions. Chemical Geology, 2014, 366, 32-41.	1.4	98
21	Distribution and size fractionation of elemental sulfur in aqueous environments: The Chesapeake Bay and Mid-Atlantic Ridge. Geochimica Et Cosmochimica Acta, 2014, 142, 334-348.	1.6	51
22	Community succession in hydrothermal vent habitats of the Eastern Lau Spreading Center and Valu Fa Ridge, Tonga. Limnology and Oceanography, 2014, 59, 1510-1528.	1.6	38
23	Comparison of pyrite (FeS2) synthesis mechanisms to reproduce natural FeS2 nanoparticles found at hydrothermal vents. Geochimica Et Cosmochimica Acta, 2013, 120, 447-458.	1.6	41
24	Evidence for the role of endosymbionts in regional-scale habitat partitioning by hydrothermal vent symbioses. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3241-50.	3.3	94
25	Chemistry, Temperature, and Faunal Distributions at Diffuse-Flow Hydrothermal Vents: Comparison of Two Geologically Distinct Ridge Systems. Oceanography, 2012, 25, 234-245.	0.5	28
26	Hydrothermal vents as a kinetically stable source of iron-sulphide-bearing nanoparticles to the ocean. Nature Geoscience, 2011, 4, 367-371.	5.4	210
27	Sulfide Oxidation across Diffuse Flow Zones of Hydrothermal Vents. Aquatic Geochemistry, 2011, 17, 583-601.	1.5	37