

Amy Gartman

List of Publications by Year in descending order

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Version: 2024-02-01

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	Hydrothermal vents as a kinetically stable source of iron-sulphide-bearing nanoparticles to the ocean. <i>Nature Geoscience</i> , 2011, 4, 367-371.	5.4	210
2	Sulfate-reducing bacteria influence the nucleation and growth of mackinawite and greigite. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 367-384.	1.6	104
3	Nanoparticulate pyrite and other nanoparticles are a widespread component of hydrothermal vent black smoker emissions. <i>Chemical Geology</i> , 2014, 366, 32-41.	1.4	98
4	Evidence for the role of endosymbionts in regional-scale habitat partitioning by hydrothermal vent symbioses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3241-50.	3.3	94
5	The Fe(II)-oxidizing <i>Zetaproteobacteria</i> : historical, ecological and genomic perspectives. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	76
6	Oxidation of synthesized sub-micron pyrite (FeS ₂) in seawater. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 144, 96-108.	1.6	56
7	Distribution and size fractionation of elemental sulfur in aqueous environments: The Chesapeake Bay and Mid-Atlantic Ridge. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 142, 334-348.	1.6	51
8	What Do We Really Know about the Role of Microorganisms in Iron Sulfide Mineral Formation?. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	51
9	Boiling-induced formation of colloidal gold in black smoker hydrothermal fluids. <i>Geology</i> , 2018, 46, 39-42.	2.0	49
10	Comparison of pyrite (FeS ₂) synthesis mechanisms to reproduce natural FeS ₂ nanoparticles found at hydrothermal vents. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 447-458.	1.6	41
11	Arctic Deep Water Ferromanganese Oxide Deposits Reflect the Unique Characteristics of the Arctic Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 3771-3800.	1.0	41
12	Community succession in hydrothermal vent habitats of the Eastern Lau Spreading Center and Valu Fa Ridge, Tonga. <i>Limnology and Oceanography</i> , 2014, 59, 1510-1528.	1.6	38
13	Extent of impact of deep-sea nodule mining midwater plumes is influenced by sediment loading, turbulence and thresholds. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	38
14	Sulfide Oxidation across Diffuse Flow Zones of Hydrothermal Vents. <i>Aquatic Geochemistry</i> , 2011, 17, 583-601.	1.5	37
15	Trace metal concentration and partitioning in the first 1.5 m of hydrothermal vent plumes along the Mid-Atlantic Ridge: TAC, Snakepit, and Rainbow. <i>Chemical Geology</i> , 2015, 412, 117-131.	1.4	36
16	Impacts of hydrothermal plume processes on oceanic metal cycles and transport. <i>Nature Geoscience</i> , 2020, 13, 396-402.	5.4	35
17	Chemistry, Temperature, and Faunal Distributions at Diffuse-Flow Hydrothermal Vents: Comparison of Two Geologically Distinct Ridge Systems. <i>Oceanography</i> , 2012, 25, 234-245.	0.5	28
18	Authigenic metastable iron sulfide minerals preserve microbial organic carbon in anoxic environments. <i>Chemical Geology</i> , 2019, 530, 119343.	1.4	28

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19	Defining active, inactive, and extinct seafloor massive sulfide deposits. <i>Marine Policy</i> , 2020, 117, 103926.	1.5	28
20	The role of nanoparticles in mediating element deposition and transport at hydrothermal vents. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 261, 113-131.	1.6	21
21	Microbes Facilitate Mineral Deposition in Bioelectrochemical Systems. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 277-287.	1.2	12
22	Mineral Phase-Element Associations Based on Sequential Leaching of Ferromanganese Crusts, Amerasia Basin Arctic Ocean. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 460.	0.8	11
23	Carbonate-hosted microbial communities are prolific and pervasive methane oxidizers at geologically diverse marine methane seep sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
24	Interactions Between Iron Sulfide Minerals and Organic Carbon: Implications for Biosignature Preservation and Detection. <i>Astrobiology</i> , 2021, 21, 587-604.	1.5	5
25	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
26	Sphalerite Oxidation in Seawater with Covellite: Implications for Seafloor Massive Sulfide Deposits and Mine Waste. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 2261-2269.	1.2	2
27	Copepod assemblages along a hydrothermal stress gradient at diffuse flow habitats within the ABE vent site (Eastern Lau Spreading Center, Southwest Pacific). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 173, 103532.	0.6	2