

Susan Q Lang

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,446
citations

361413

20
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

1576
citing authors

#	ARTICLE	IF	CITATIONS
1	Elevated concentrations of formate, acetate and dissolved organic carbon found at the Lost City hydrothermal field. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 941-952.	3.9	300
2	Dissolved organic carbon in ridge-axis and ridge-flank hydrothermal systems. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3830-3842.	3.9	162
3	Microbial utilization of abiogenic carbon and hydrogen in a serpentinite-hosted system. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 82-99.	3.9	105
4	Metagenomic identification of active methanogens and methanotrophs in serpentinite springs of the Voltri Massif, Italy. <i>PeerJ</i> , 2017, 5, e2945.	2.0	91
5	Deeply-sourced formate fuels sulfate reducers but not methanogens at Lost City hydrothermal field. <i>Scientific Reports</i> , 2018, 8, 755.	3.3	81
6	Stable isotope analysis of organic carbon in small ($\mu\text{g C}$) samples and dissolved organic matter using a GasBench preparation device. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 9-16.	1.5	66
7	Serpentinization: Connecting Geochemistry, Ancient Metabolism and Industrial Hydrogenation. <i>Life</i> , 2018, 8, 41.	2.4	61
8	Molecular evidence for abiotic sulfurization of dissolved organic matter in marine shallow hydrothermal systems. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 190, 35-52.	3.9	60
9	Magmatism, serpentinization and life: Insights through drilling the Atlantis Massif (IODP Expedition) Tj ETQq1 1 0.784314 rgBT /Over 1.4 58	1.4	58
10	Investigations of potential microbial methanogenic and carbon monoxide utilization pathways in ultra-basic reducing springs associated with present-day continental serpentinization: the Tablelands, NL, CAN. <i>Frontiers in Microbiology</i> , 2014, 5, 613.	3.5	45
11	Mineralizing Filamentous Bacteria from the Prony Bay Hydrothermal Field Give New Insights into the Functioning of Serpentinization-Based Subseafloor Ecosystems. <i>Frontiers in Microbiology</i> , 2017, 8, 57.	3.5	40
12	Habitability of the marine serpentinite subsurface: a case study of the Lost City hydrothermal field. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20180429.	3.4	39
13	Sources and cycling of carbon in continental, serpentinite-hosted alkaline springs in the Voltri Massif, Italy. <i>Lithos</i> , 2013, 177, 226-244.	1.4	35
14	Exploring the metabolic potential of microbial communities in ultra-basic, reducing springs at The Cedars, CA, USA: Experimental evidence of microbial methanogenesis and heterotrophic acetogenesis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1203-1220.	3.0	35
15	A method to measure the isotopic (^{13}C) composition of dissolved organic carbon using a high temperature combustion instrument. <i>Marine Chemistry</i> , 2007, 103, 318-326.	2.3	29
16	Biosignatures in chimney structures and sediment from the Loki's Castle low-temperature hydrothermal vent field at the Arctic Mid-Ocean Ridge. <i>Extremophiles</i> , 2014, 18, 545-560.	2.3	29
17	Particulate and Dissolved Organic Matter in Stormwater Runoff Influences Oxygen Demand in Urbanized Headwater Catchments. <i>Environmental Science & Technology</i> , 2021, 55, 952-961.	10.0	29
18	Dissolved organic carbon measurement using a modified high-temperature combustion analyzer. <i>Marine Chemistry</i> , 2003, 81, 89-104.	2.3	27

#	ARTICLE	IF	CITATIONS
19	Rapid ¹⁴ C Analysis of Dissolved Organic Carbon in Non-Saline Waters. <i>Radiocarbon</i> , 2016, 58, 505-515.	1.8	24
20	Genomic Evidence for Formate Metabolism by <i>Chloroflexi</i> as the Key to Unlocking Deep Carbon in Lost City Microbial Ecosystems. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	23
21	Characterization, Quantification and Compound-specific Isotopic Analysis of Pyrogenic Carbon Using Benzene Polycarboxylic Acids (BPCA). <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	21
22	Isotopic (¹³ C, ¹⁴ C) analysis of organic acids in marine samples using wet chemical oxidation. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 161-175.	2.0	16
23	18. Serpentinization, Carbon, and Deep Life. , 2013, , 575-606.		14
24	Purification of fire derived markers for ¹⁴ g scale isotope analysis (¹³ C, ¹⁴ C) using high performance liquid chromatography (HPLC). <i>Organic Geochemistry</i> , 2014, 70, 1-9.	1.8	13
25	Hydrothermal Organic Geochemistry (HOG) sampler for deployment on deep-sea submersibles. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 173, 103529.	1.4	8
26	¹⁴ C Contamination Testing in Natural Abundance Laboratories: A New Preparation Method Using Wet Chemical Oxidation and Some Experiences. <i>Radiocarbon</i> , 2016, 58, 935-941.	1.8	6
27	Enrichments of Metals, Including Methylmercury, in Sewage Spills in South Carolina, USA. <i>Journal of Environmental Quality</i> , 2018, 47, 1258-1266.	2.0	6
28	Assessment of apolar lipids in subseafloor rocks and potential contaminants from the Atlantis Massif (IODP Expedition 357). <i>Organic Geochemistry</i> , 2018, 122, 68-77.	1.8	5
29	Extensive decentralized hydrogen export from the Atlantis Massif. <i>Geology</i> , 2021, 49, 851-856.	4.4	5
30	Multi-stage evolution of the Lost City hydrothermal vent fluids. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 332, 239-262.	3.9	5
31	Carbon in the Deep Biosphere. , 2019, , 480-523.		3
32	Isotopic evidence for sources of dissolved carbon and the role of organic matter respiration in the Fraser River basin, Canada. <i>Biogeochemistry</i> , 0, , .	3.5	3
33	Towards Organic Carbon Isotope Records from Stalagmites: Coupled ¹³ C and ¹⁴ C Analysis Using Wet Chemical Oxidation. <i>Radiocarbon</i> , 2019, 61, 749-764.	1.8	1
34	¹⁴ C Contamination Testing in Natural Abundance Laboratories: A New Preparation Method Using Wet Chemical Oxidation and Some Experiences – CORRIGENDUM. <i>Radiocarbon</i> , 2017, 59, 269-269.	1.8	0