

Jeff Havig

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,670
citations

331670

21
h-index

330143

37
g-index

39
all docs

39
docs citations

39
times ranked

2125
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of atmospheric ammonia at a dairy using differential optical absorption spectroscopy in the mid-ultraviolet. <i>Atmospheric Environment</i> , 2002, 36, 1799-1810.	4.1	129
2	Reaction path modeling of enhanced in situ CO ₂ mineralization for carbon sequestration in the peridotite of the Samail Ophiolite, Sultanate of Oman. <i>Chemical Geology</i> , 2012, 330-331, 86-100.	3.3	127
3	Diversity, Abundance, and Potential Activity of Nitrifying and Nitrate-Reducing Microbial Assemblages in a Subglacial Ecosystem. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4778-4787.	3.1	119
4	The transition to microbial photosynthesis in hot spring ecosystems. <i>Chemical Geology</i> , 2011, 280, 344-351.	3.3	107
5	Coordinating Environmental Genomics and Geochemistry Reveals Metabolic Transitions in a Hot Spring Ecosystem. <i>PLoS ONE</i> , 2012, 7, e38108.	2.5	97
6	Chemolithotrophic Primary Production in a Subglacial Ecosystem. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6146-6153.	3.1	92
7	Hydrothermal ecotones and streamer biofilm communities in the Lower Geyser Basin, Yellowstone National Park. <i>Environmental Microbiology</i> , 2011, 13, 2216-2231.	3.8	85
8	Geobiological feedbacks and the evolution of thermoacidophiles. <i>ISME Journal</i> , 2018, 12, 225-236.	9.8	70
9	Modeling the Habitat Range of Phototrophs in Yellowstone National Park: Toward the Development of a Comprehensive Fitness Landscape. <i>Frontiers in Microbiology</i> , 2012, 3, 221.	3.5	64
10	Amphiphilic Compounds Assemble into Membranous Vesicles in Hydrothermal Hot Spring Water but Not in Seawater. <i>Life</i> , 2018, 8, 11.	2.4	63
11	Manganese and iron geochemistry in sediments underlying the redox-stratified Fayetteville Green Lake. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 231, 50-63.	3.9	61
12	Sulfur and carbon isotopic evidence for metabolic pathway evolution and a four-stepped Earth system progression across the Archean and Paleoproterozoic. <i>Earth-Science Reviews</i> , 2017, 174, 1-21.	9.1	58
13	Merging isotopes and community genomics in a siliceous sinter-depositing hot spring. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	57
14	Primary productivity of snow algae communities on stratovolcanoes of the Pacific Northwest. <i>Geobiology</i> , 2017, 15, 280-295.	2.4	54
15	The behavior of biologically important trace elements across the oxic/euxinic transition of meromictic Fayetteville Green Lake, New York, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 165, 389-406.	3.9	52
16	Hot Spring Microbial Community Composition, Morphology, and Carbon Fixation: Implications for Interpreting the Ancient Rock Record. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	50
17	Competition for Ammonia Influences the Structure of Chemotrophic Communities in Geothermal Springs. <i>Applied and Environmental Microbiology</i> , 2014, 80, 653-661.	3.1	46
18	Evidence for high-temperature <i>nifH</i> transcription in an alkaline hot spring of Lower Geyser Basin, Yellowstone National Park. <i>Environmental Microbiology</i> , 2012, 14, 1272-1283.	3.8	44

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19	Korarchaeota Diversity, Biogeography, and Abundance in Yellowstone and Great Basin Hot Springs and Ecological Niche Modeling Based on Machine Learning. <i>PLoS ONE</i> , 2012, 7, e35964.	2.5	43
20	Water column and sediment stable carbon isotope biogeochemistry of permanently redox-stratified Fayetteville Green Lake, New York, U.S.A.. <i>Limnology and Oceanography</i> , 2018, 63, 570-587.	3.1	26
21	Snow algae drive productivity and weathering at volcanic rock-hosted glaciers. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 247, 220-242.	3.9	26
22	Anoxygenic Phototrophs Span Geochemical Gradients and Diverse Morphologies in Terrestrial Geothermal Springs. <i>MSystems</i> , 2019, 4, .	3.8	24
23	A Reconstructed Subaerial Hot Spring Field in the ~3.5 Billion-Year-Old Dresser Formation, North Pole Dome, Pilbara Craton, Western Australia. <i>Astrobiology</i> , 2021, 21, 1-38.	3.0	24
24	Silica Dissolution and Precipitation in Glaciated Volcanic Environments and Implications for Mars. <i>Geophysical Research Letters</i> , 2018, 45, 7371-7381.	4.0	22
25	Inorganic carbon addition stimulates snow algae primary productivity. <i>ISME Journal</i> , 2020, 14, 857-860.	9.8	19
26	Productivity and Community Composition of Low Biomass/High Silica Precipitation Hot Springs: A Possible Window to Earth's Early Biosphere?. <i>Life</i> , 2019, 9, 64.	2.4	18
27	Anoxic depositional overprinting of ²³⁸ U/ ²³⁵ U in calcite: When do carbonates tell black shale tales?. <i>Geology</i> , 2021, 49, 1193-1197.	4.4	13
28	Geochemistry and microbial community composition across a range of acid mine drainage impact and implications for the Neoproterozoic to Paleoproterozoic transition. <i>Journal of Geophysical Research: Biogeosciences</i> , 2017, 122, 1404-1422.	3.0	12
29	Tree Harvest in an Experimental Sand Ecosystem: Plant Effects on Nutrient Dynamics and Solute Generation. <i>Ecosystems</i> , 2006, 9, 634-646.	3.4	11
30	Trace Element Concentrations in Hydrothermal Silica Deposits as a Potential Biosignature. <i>Astrobiology</i> , 2020, 20, 525-536.	3.0	10
31	Hypolithic Photosynthesis in Hydrothermal Areas and Implications for Cryptic Oxygen Oases on Archean Continental Surfaces. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	9
32	Metabolic diversity and co-occurrence of multiple <i>Ferroplasma</i> species at an acid mine drainage site. <i>BMC Microbiology</i> , 2020, 20, 119.	3.3	9
33	Carbon and nitrogen recycling during cyanobacteria in dreissenid-invaded and non-invaded US midwestern lakes and reservoirs. <i>Hydrobiologia</i> , 2020, 847, 939-965.	2.0	8
34	Silica Precipitation in a Wet-Dry Cycling Hot Spring Simulation Chamber. <i>Life</i> , 2020, 10, 3.	2.4	6
35	Meet Me in the Middle: Median Temperatures Impact Cyanobacteria and Photoautotrophy in Eruptive Yellowstone Hot Springs. <i>MSystems</i> , 2022, 7, e0145021.	3.8	6
36	Hot Spring Microbial Community Elemental Composition: Hot Spring and Soil Inputs, and the Transition from Biocumulus to Siliceous Sinter. <i>Astrobiology</i> , 2021, 21, 1526-1546.	3.0	6

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37	Months-long spike in aqueous arsenic following domestic well installation and disinfection: Short- and long-term drinking water quality implications. Journal of Hazardous Materials, 2021, 414, 125409.	12.4	2