

Suzanne B Hodgkins

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,099
citations

623734

14
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

3063
citing authors

#	ARTICLE	IF	CITATIONS
1	Host-linked soil viral ecology along a permafrost thaw gradient. <i>Nature Microbiology</i> , 2018, 3, 870-880.	13.3	372
2	Genome-centric view of carbon processing in thawing permafrost. <i>Nature</i> , 2018, 560, 49-54.	27.8	337
3	Methane dynamics regulated by microbial community response to permafrost thaw. <i>Nature</i> , 2014, 514, 478-481.	27.8	321
4	Changes in peat chemistry associated with permafrost thaw increase greenhouse gas production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5819-5824.	7.1	268
5	Discovery of a novel methanogen prevalent in thawing permafrost. <i>Nature Communications</i> , 2014, 5, 3212.	12.8	170
6	Tropical peatland carbon storage linked to global latitudinal trends in peat recalcitrance. <i>Nature Communications</i> , 2018, 9, 3640.	12.8	135
7	Methanotrophy across a natural permafrost thaw environment. <i>ISME Journal</i> , 2018, 12, 2544-2558.	9.8	102
8	Microbial network, phylogenetic diversity and community membership in the active layer across a permafrost thaw gradient. <i>Environmental Microbiology</i> , 2017, 19, 3201-3218.	3.8	79
9	Elemental composition and optical properties reveal changes in dissolved organic matter along a permafrost thaw chronosequence in a subarctic peatland. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 187, 123-140.	3.9	77
10	Comparison of dialysis and solid-phase extraction for isolation and concentration of dissolved organic matter prior to Fourier transform ion cyclotron resonance mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 447-457.	3.7	52
11	Discovery and ecogenomic context of a global <i>Candidatus Cryoserica</i> -related phylum active in thawing permafrost, <i>Candidatus Cryoserica</i> phylum nov., <i>Ca. Cryoserica</i> class nov., <i>Ca. Cryosericales</i> ord. nov., <i>Ca. Cryoseriaceae</i> fam. nov., comprising the four species <i>Cryosericum septentrionale</i> gen. nov. sp. nov., <i>Ca. C. hinesii</i> sp. nov., <i>Ca. C. odellii</i> sp. nov., <i>Ca. C. terrychapinii</i> sp. nov.. <i>Systematic and Applied Microbiology</i> , 2019, 42, 54-66.	2.8	42
12	A History of Molecular Level Analysis of Natural Organic Matter by FTICR Mass Spectrometry and The Paradigm Shift in Organic Geochemistry. <i>Mass Spectrometry Reviews</i> , 2022, 41, 215-239.	5.4	37
13	Controls on Soil Organic Matter Degradation and Subsequent Greenhouse Gas Emissions Across a Permafrost Thaw Gradient in Northern Sweden. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	29
14	Soil incubations reproduce field methane dynamics in a subarctic wetland. <i>Biogeochemistry</i> , 2015, 126, 241-249.	3.5	24
15	Plant organic matter inputs exert a strong control on soil organic matter decomposition in a thawing permafrost peatland. <i>Science of the Total Environment</i> , 2022, 820, 152757.	8.0	15
16	Latitude, Elevation, and Mean Annual Temperature Predict Peat Organic Matter Chemistry at a Global Scale. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	11
17	Microbial Community Analyses Inform Geochemical Reaction Network Models for Predicting Pathways of Greenhouse Gas Production. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	9
18	Coupling plant litter quantity to a novel metric for litter quality explains C storage changes in a thawing permafrost peatland. <i>Global Change Biology</i> , 2021, , .	9.5	8

#	ARTICLE	IF	CITATIONS
19	The IsoGenie database: an interdisciplinary data management solution for ecosystems biology and environmental research. PeerJ, 0, 8, e9467.	2.0	5
20	Carbon Accumulation, Flux, and Fate in Stordalen Mire, a Permafrost Peatland in Transition. Global Biogeochemical Cycles, 2022, 36, .	4.9	5