

Jens Strauss

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

3,436
citations

279487

23
h-index

243296

44
g-index

78
all docs

78
docs citations

78
times ranked

3502
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimated stocks of circumpolar permafrost carbon with quantified uncertainty ranges and identified data gaps. <i>Biogeosciences</i> , 2014, 11, 6573-6593.	1.3	1,079
2	Deep Yedoma permafrost: A synthesis of depositional characteristics and carbon vulnerability. <i>Earth-Science Reviews</i> , 2017, 172, 75-86.	4.0	236
3	The deep permafrost carbon pool of the Yedoma region in Siberia and Alaska. <i>Geophysical Research Letters</i> , 2013, 40, 6165-6170.	1.5	187
4	A simplified, data-constrained approach to estimate the permafrost carbonâ€‘climate feedback. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140423.	1.6	149
5	A new data set for estimating organic carbon storage to 3 m depth in soils of the northern circumpolar permafrost region. <i>Earth System Science Data</i> , 2013, 5, 393-402.	3.7	148
6	Fossil organic matter characteristics in permafrost deposits of the northeast Siberian Arctic. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	147
7	Fast response of cold ice-rich permafrost in northeast Siberia to a warming climate. <i>Nature Communications</i> , 2020, 11, 2201.	5.8	134
8	Spatial heterogeneity and environmental predictors of permafrost region soil organic carbon stocks. <i>Science Advances</i> , 2021, 7, .	4.7	130
9	Observation-based modelling of permafrost carbon fluxes with accounting for deep carbon deposits and thermokarst activity. <i>Biogeosciences</i> , 2015, 12, 3469-3488.	1.3	114
10	Grainâ€‘size properties and organicâ€‘carbon stock of Yedoma Ice Complex permafrost from the Kolyma lowland, northeastern Siberia. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	96
11	Organic-matter quality of deep permafrost carbon â€‘ a study from Arctic Siberia. <i>Biogeosciences</i> , 2015, 12, 2227-2245.	1.3	94
12	Widespread global peatland establishment and persistence over the last 130,000 y. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4822-4827.	3.3	82
13	Quantifying Wedge-Ice Volumes in Yedoma and Thermokarst Basin Deposits. <i>Permafrost and Periglacial Processes</i> , 2014, 25, 151-161.	1.5	72
14	Patterns and rates of riverbank erosion involving ice-rich permafrost (yedoma) in northern Alaska. <i>Geomorphology</i> , 2016, 253, 370-384.	1.1	60
15	Circum-Arctic Map of the Yedoma Permafrost Domain. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	49
16	Transformation of terrestrial organic matter along thermokarst-affected permafrost coasts in the Arctic. <i>Science of the Total Environment</i> , 2017, 581-582, 434-447.	3.9	45
17	Permafrost Thaw and Liberation of Inorganic Nitrogen in Eastern Siberia. <i>Permafrost and Periglacial Processes</i> , 2017, 28, 605-618.	1.5	43
18	Carbon and nitrogen pools in thermokarst-affected permafrost landscapes in Arctic Siberia. <i>Biogeosciences</i> , 2018, 15, 953-971.	1.3	38

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19	Rapid Fluvio-Thermal Erosion of a Yedoma Permafrost Cliff in the Lena River Delta. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	38
20	Yedoma Ice Complex of the Buor Khaya Peninsula (southern Laptev Sea). <i>Biogeosciences</i> , 2017, 14, 1261-1283.	1.3	33
21	Organic matter characteristics in yedoma and thermokarst deposits on Baldwin Peninsula, west Alaska. <i>Biogeosciences</i> , 2018, 15, 6033-6048.	1.3	28
22	The genesis of Yedoma Ice Complex permafrost – grain-size endmember modeling analysis from Siberia and Alaska. <i>E&G Quaternary Science Journal</i> , 2020, 69, 33-53.	0.2	28
23	Degrading permafrost river catchments and their impact on Arctic Ocean nearshore processes. <i>Ambio</i> , 2022, 51, 439-455.	2.8	27
24	Ice Complex formation on Bol'shoy Lyakhovsky Island (New Siberian Archipelago, East Siberian Arctic) since about 200 ka. <i>Quaternary Research</i> , 2019, 92, 530-548.	1.0	26
25	Microbial lipid signatures and substrate potential of organic matter in permafrost deposits: Implications for future greenhouse gas production. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2652-2666.	1.3	23
26	Reduced quantity and quality of SOM along a thaw sequence on the Tibetan Plateau. <i>Environmental Research Letters</i> , 2018, 13, 104017.	2.2	22
27	Holocene thermokarst dynamics in Central Yakutia – A multi-core and robust grain-size endmember modeling approach. <i>Quaternary Science Reviews</i> , 2019, 218, 10-33.	1.4	21
28	Greenhouse gas production and lipid biomarker distribution in Yedoma and Alas thermokarst lake sediments in Eastern Siberia. <i>Global Change Biology</i> , 2021, 27, 2822-2839.	4.2	21
29	Permafrost Carbon and CO ₂ Pathways Differ at Contrasting Coastal Erosion Sites in the Canadian Arctic. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	21
30	Seasonal nitrogen fluxes of the Lena River Delta. <i>Ambio</i> , 2022, 51, 423-438.	2.8	20
31	Organic carbon characteristics in ice-rich permafrost in Alas and Yedoma deposits, central Yakutia, Siberia. <i>Biogeosciences</i> , 2020, 17, 3797-3814.	1.3	17
32	Organic Carbon and Nitrogen Stocks Along a Thermokarst Lake Sequence in Arctic Alaska. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1230-1247.	1.3	16
33	Sediment characteristics of a thermokarst lagoon in the northeastern Siberian Arctic (Ivashkina Tj ETQq1 1 0.784314 rgBT /Qyerlock 10	1.0	14
34	Taxonomic and functional analyses of intact microbial communities thriving in extreme, astrobiology-relevant, anoxic sites. <i>Microbiome</i> , 2021, 9, 50.	4.9	14
35	Thermokarst Lake to Lagoon Transitions in Eastern Siberia: Do Submerged Taliks Refreeze?. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005424.	1.0	12
36	Onshore Thermokarst Primes Subsea Permafrost Degradation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093881.	1.5	12

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37	Middle to late Wisconsinan climate and ecological changes in northern Alaska: Evidences from the Itkillik River Yedoma. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 485, 906-916.	1.0	10
38	n-Alkane Characteristics of Thawed Permafrost Deposits Below a Thermokarst Lake on Bykovsky Peninsula, Northeastern Siberia. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	10
39	Iron Redistribution Upon Thermokarst Processes in the Yedoma Domain. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	10
40	Yedoma Permafrost Genesis: Over 150 Years of Mystery and Controversy. <i>Frontiers in Earth Science</i> , 0, 9, .	0.8	9
41	Late Holocene ice-wedge polygon dynamics in northeastern Siberian coastal lowlands. <i>Arctic, Antarctic, and Alpine Research</i> , 2018, 50, .	0.4	7
42	Geochemistry and Weathering Indices of Yedoma and Alas Deposits beneath Thermokarst Lakes in Central Yakutia. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	7
43	Reconstructing Permafrost Sedimentological Characteristics and Post-depositional Processes of the Yedoma Stratotype Duvanny Yar, Siberia. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	7
44	Sedimentary and geochemical characteristics of two small permafrost-dominated Arctic river deltas in northern Alaska. <i>Arktos</i> , 2018, 4, 1-18.	1.0	4
45	Mercury in Sediment Core Samples From Deep Siberian Ice-Rich Permafrost. <i>Frontiers in Earth Science</i> , 0, 9, .	0.8	3
46	The Permafrost Young Researchers Network (PYRN) is getting older: The past, present, and future of our evolving community. <i>Polar Record</i> , 2019, 55, 216-219.	0.4	1