

Mark J Lara

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,374
citations

331670

21
h-index

414414

32
g-index

35
all docs

35
docs citations

35
times ranked

4216
citing authors

#	ARTICLE	IF	CITATIONS
1	Plot-scale evidence of tundra vegetation change and links to recent summer warming. <i>Nature Climate Change</i> , 2012, 2, 453-457.	18.8	745
2	Toward more realistic projections of soil carbon dynamics by Earth system models. <i>Global Biogeochemical Cycles</i> , 2016, 30, 40-56.	4.9	343
3	Large loss of CO ₂ in winter observed across the northern permafrost region. <i>Nature Climate Change</i> , 2019, 9, 852-857.	18.8	225
4	Polygonal tundra geomorphological change in response to warming alters future CO ₂ and CH ₄ flux on the Barrow Peninsula. <i>Global Change Biology</i> , 2015, 21, 1634-1651.	9.5	100
5	Reduced arctic tundra productivity linked with landform and climate change interactions. <i>Scientific Reports</i> , 2018, 8, 2345.	3.3	100
6	Multi-Decadal Changes in Tundra Environments and Ecosystems: Synthesis of the International Polar Year-Back to the Future Project (IPY-BTF). <i>Ambio</i> , 2011, 40, 705-716.	5.5	98
7	Tundra vegetation change and impacts on permafrost. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 68-84.	29.7	87
8	Thermokarst rates intensify due to climate change and forest fragmentation in an Alaskan boreal forest lowland. <i>Global Change Biology</i> , 2016, 22, 816-829.	9.5	69
9	PeRL: a Circum-Arctic Permafrost Region Pond and Lake database. <i>Earth System Science Data</i> , 2017, 9, 317-348.	9.9	62
10	Rising plant-mediated methane emissions from arctic wetlands. <i>Global Change Biology</i> , 2017, 23, 1128-1139.	9.5	57
11	Tundra vegetation change near Barrow, Alaska (1972-2010). <i>Environmental Research Letters</i> , 2012, 7, 015508.	5.2	48
12	The Boreal-Arctic Wetland and Lake Dataset (BAWLD). <i>Earth System Science Data</i> , 2021, 13, 5127-5149.	9.9	46
13	Exclusion of brown lemmings reduces vascular plant cover and biomass in Arctic coastal tundra: resampling of a 50 + year herbivore exclosure experiment near Barrow, Alaska. <i>Environmental Research Letters</i> , 2011, 6, 045507.	5.2	40
14	Alder Distribution and Expansion Across a Tundra Hillslope: Implications for Local N Cycling. <i>Frontiers in Plant Science</i> , 2019, 10, 1099.	3.6	37
15	Divergent shrub cover responses driven by climate, wildfire, and permafrost interactions in Arctic tundra ecosystems. <i>Global Change Biology</i> , 2021, 27, 652-663.	9.5	34
16	Identifying historical and future potential lake drainage events on the western Arctic coastal plain of Alaska. <i>Permafrost and Periglacial Processes</i> , 2020, 31, 110-127.	3.4	30
17	The Arctic. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S239-S286.	3.3	29
18	Tundra landform and vegetation productivity trend maps for the Arctic Coastal Plain of northern Alaska. <i>Scientific Data</i> , 2018, 5, 180058.	5.3	26

#	ARTICLE	IF	CITATIONS
19	Local-scale Arctic tundra heterogeneity affects regional-scale carbon dynamics. <i>Nature Communications</i> , 2020, 11, 4925.	12.8	25
20	Automated detection of thermoerosion in permafrost ecosystems using temporally dense Landsat image stacks. <i>Remote Sensing of Environment</i> , 2019, 221, 462-473.	11.0	24
21	The Arctic. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, S263-S316.	3.3	23
22	Peak season carbon exchange shifts from a sink to a source following 50+ years of herbivore exclusion in an Arctic tundra ecosystem. <i>Journal of Ecology</i> , 2017, 105, 122-131.	4.0	22
23	A robust visible near-infrared index for fire severity mapping in Arctic tundra ecosystems. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 159, 101-113.	11.1	19
24	Estimated change in tundra ecosystem function near Barrow, Alaska between 1972 and 2010. <i>Environmental Research Letters</i> , 2012, 7, 015507.	5.2	17
25	Thermokarst acceleration in Arctic tundra driven by climate change and fire disturbance. <i>One Earth</i> , 2021, 4, 1718-1729.	6.8	14
26	Topographical Controls on Hillslope-Scale Hydrology Drive Shrub Distributions on the Seward Peninsula, Alaska. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005823.	3.0	13
27	Recent warming reverses forty-year decline in catastrophic lake drainage and hastens gradual lake drainage across northern Alaska. <i>Environmental Research Letters</i> , 2021, 16, 124019.	5.2	13
28	Nutrient Release From Permafrost Thaw Enhances CH ₄ Emissions From Arctic Tundra Wetlands. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1560-1573.	3.0	12
29	Periglacial Lake Origin Influences the Likelihood of Lake Drainage in Northern Alaska. <i>Remote Sensing</i> , 2021, 13, 852.	4.0	7
30	Co-producing knowledge: the Integrated Ecosystem Model for resource management in Arctic Alaska. <i>Frontiers in Ecology and the Environment</i> , 2020, 18, 447-455.	4.0	3
31	Resilience and sensitivity of ecosystem carbon stocks to fire-regime change in Alaskan tundra. <i>Science of the Total Environment</i> , 2021, 806, 151482.	8.0	2
32	Multisensor UAS mapping of Plant Species and Plant Functional Types in Midwestern Grasslands. <i>Remote Sensing</i> , 2022, 14, 3453.	4.0	0