Gerardo Celis

List of Publications by Year in Descending Order

28 papers	865 citations	16 h-index	29 g-index
29 ext. papers	1,183 ext. citations	6 avg, IF	3.97 L-index

#	Paper	IF	Citations
28	Representativeness assessment of the pan-Arctic eddy covariance site network and optimized future enhancements. *Biogeosciences*, **2022**, 19, 559-583	4.6	4
27	Experimental Soil Warming and Permafrost Thaw Increase CH4 Emissions in an Upland Tundra Ecosystem. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2021JG006376	3.7	1
26	Carbon dynamics and soil greenhouse fluxes in a Florida’s native rangeland before and after fire. *Agricultural and Forest Meteorology*, **2021**, 311, 108682	5.8	0
25	Tundra Underlain By Thawing Permafrost Persistently Emits Carbon to the Atmosphere Over 15 Years of Measurements. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2020JG006044	3.7	2
24	Statistical upscaling of ecosystem CO fluxes across the terrestrial tundra and boreal domain: Regional patterns and uncertainties. *Global Change Biology*, **2021**, 27, 4040-4059	11.4	25
23	Projecting Permafrost Thaw of Sub-Arctic Tundra With a Thermodynamic Model Calibrated to Site Measurements. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2020JG006218	3.7	3
22	FLUXNET-CH₄: a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. *Earth System Science Data*, **2021**, 13, 3607-3689	10.5	23
21	Factors shaping alternate successional trajectories in burned black spruce forests of Alaska. *Ecosphere*, **2020**, 11, e03129	3.1	8
20	Direct observation of permafrost degradation and rapid soil carbon loss in tundra. *Nature Geoscience*, **2019**, 12, 627-631	18.3	85
19	Large loss of CO in winter observed across the northern permafrost region.. *Nature Climate Change*, **2019**, 9, 852-857	21.4	112
18	Using Stable Carbon Isotopes of Seasonal Ecosystem Respiration to Determine Permafrost Carbon Loss. *Journal of Geophysical Research G: Biogeosciences*, **2019**, 124, 46-60	3.7	7
17	Fuel-reduction management alters plant composition, carbon and nitrogen pools, and soil thaw in Alaskan boreal forest. *Ecological Applications*, **2018**, 28, 149-161	4.9	3
16	Methane Efflux Measured by Eddy Covariance in Alaskan Upland Tundra Undergoing Permafrost Degradation. *Journal of Geophysical Research G: Biogeosciences*, **2018**, 123, 2695-2710	3.7	23
15	Adding Depth to Our Understanding of Nitrogen Dynamics in Permafrost Soils. *Journal of Geophysical Research G: Biogeosciences*, **2018**, 123, 2497-2512	3.7	40
14	When roads appear jaguars decline: Increased access to an Amazonian wilderness area reduces potential for jaguar conservation. *PLoS ONE*, **2018**, 13, e0189740	3.7	33
13	Divergent patterns of experimental and model-derived permafrost ecosystem carbon dynamics in response to Arctic warming. *Environmental Research Letters*, **2018**, 13, 105002	6.2	20
12	Biotic responses buffer warming-induced soil organic carbon loss in Arctic tundra. *Global Change Biology*, **2018**, 24, 4946-4959	11.4	14

11	Nonlinear CO flux response to 7 years of experimentally induced permafrost thaw. *Global Change Biology*, **2017**, 23, 3646-3666	11.4	49
10	Tundra is a consistent source of CO2 at a site with progressive permafrost thaw during 6 years of chamber and eddy covariance measurements. *Journal of Geophysical Research G: Biogeosciences*, **2017**, 122, 1471-1485	3.7	21
9	Nitrogen availability increases in a tundra ecosystem during five years of experimental permafrost thaw. *Global Change Biology*, **2016**, 22, 1927-41	11.4	108
8	Temperature sensitivity of organic matter decomposition of permafrost-region soils during laboratory incubations. *Soil Biology and Biochemistry*, **2016**, 97, 1-14	7.5	63
7	Steeply Increasing Growth Differential Between Mixture and Monocultures of Tropical Trees. *Biotropica*, **2015**, 47, 162-171	2.3	17
6	Experimental Warming Alters Productivity and Isotopic Signatures of Tundra Mosses. *Ecosystems*, **2015**, 18, 1070-1082	3.9	24
5	Permafrost thaw and soil moisture driving CO2 and CH4 release from upland tundra. *Journal of Geophysical Research G: Biogeosciences*, **2015**, 120, 525-537	3.7	131
4	Soil Changes in Model Tropical Ecosystems: Effects of Stand Longevity Outweigh Plant Diversity and Tree Species Identity in a Fertile Volcanic Soil. *Ecosystems*, **2014**, 17, 820-836	3.9	2
3	Diel patterns of leaf carbohydrate concentrations differ between seedlings and mature trees of two sympatric oak species. *Botany*, **2014**, 92, 535-540	1.3	14
2	Acclimation of seedlings of Gnetum leyboldii Tul. (Gnetaceae) to light changes in a tropical rain forest. *Revista De Biologia Tropical*, **2013**, 61, 1859-68	1.3	1
1	Restoring abandoned pasture land with native tree species in Costa Rica: Effects of exotic grass competition and light. *Forest Ecology and Management*, **2011**, 261, 1598-1604	3.9	31