

# Angela Gallego Sala

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

2,931  
citations

257450

24  
h-index

233421

45  
g-index

49  
all docs

49  
docs citations

49  
times ranked

4853  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low salinity transitions drive abrupt microbial response to sea level change. <i>Ecology Letters</i> , 2022, 25, 17-25.	6.4	7
2	A strong mitigation scenario maintains climate neutrality of northern peatlands. <i>One Earth</i> , 2022, 5, 86-97.	6.8	14
3	A new approach to simulate peat accumulation, degradation and stability in a global land surface scheme (JULES vn5.8_accumulate_soil) for northern and temperate peatlands. <i>Geoscientific Model Development</i> , 2022, 15, 1633-1657.	3.6	6
4	Seasonal climate drivers of peak NDVI in a series of Arctic peatlands. <i>Science of the Total Environment</i> , 2022, 838, 156419.	8.0	9
5	Towards a microbial process-based understanding of the resilience of peatland ecosystem service provisioning – A research agenda. <i>Science of the Total Environment</i> , 2021, 759, 143467.	8.0	15
6	Expert assessment of future vulnerability of the global peatland carbon sink. <i>Nature Climate Change</i> , 2021, 11, 70-77.	18.8	167
7	Divergent responses of permafrost peatlands to recent climate change. <i>Environmental Research Letters</i> , 2021, 16, 034001.	5.2	23
8	A cautionary tale about using the apparent carbon accumulation rate (aCAR) obtained from peat cores. <i>Scientific Reports</i> , 2021, 11, 9547.	3.3	22
9	Large historical carbon emissions from cultivated northern peatlands. <i>Science Advances</i> , 2021, 7, .	10.3	37
10	Ecology of peatland testate amoebae in Svalbard and the development of transfer functions for reconstructing past water-table depth and pH. <i>Ecological Indicators</i> , 2021, 131, 108122.	6.3	6
11	Holocene atmospheric dust deposition in NW Spain. <i>Holocene</i> , 2020, 30, 507-518.	1.7	17
12	Tropical forest and peatland conservation in Indonesia: Challenges and directions. <i>People and Nature</i> , 2020, 2, 4-28.	3.7	74
13	Recent Changes in Peatland Testate Amoeba Functional Traits and Hydrology Within a Replicated Site Network in Northwestern Québec, Canada. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	7
14	Shifts in national land use and food production in Great Britain after a climate tipping point. <i>Nature Food</i> , 2020, 1, 76-83.	14.0	25
15	Peatlands as prolific carbon sinks. <i>Nature Geoscience</i> , 2019, 12, 880-881.	12.9	19
16	Salt-Enrichment Impact on Biomass Production in a Natural Population of Peatland Dwelling Arcellinida and Euglyphida (Testate Amoebae). <i>Microbial Ecology</i> , 2019, 78, 534-538.	2.8	12
17	Recent peat and carbon accumulation following the Little Ice Age in northwestern Québec, Canada. <i>Environmental Research Letters</i> , 2019, 14, 075002.	5.2	24
18	Misinterpreting carbon accumulation rates in records from near-surface peat. <i>Scientific Reports</i> , 2019, 9, 17939.	3.3	44

#	ARTICLE	IF	CITATIONS
19	Widespread drying of European peatlands in recent centuries. <i>Nature Geoscience</i> , 2019, 12, 922-928.	12.9	130
20	Evaluating tephrochronology in the permafrost peatlands of northern Sweden. <i>Quaternary Geochronology</i> , 2019, 50, 16-28.	1.4	7
21	The role of climate change in regulating Arctic permafrost peatland hydrological and vegetation change over the last millennium. <i>Quaternary Science Reviews</i> , 2018, 182, 121-130.	3.0	42
22	Ecosystem state shifts during long-term development of an Amazonian peatland. <i>Global Change Biology</i> , 2018, 24, 738-757.	9.5	26
23	Inconsistent Response of Arctic Permafrost Peatland Carbon Accumulation to Warm Climate Phases. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1605-1620.	4.9	26
24	Latitudinal limits to the predicted increase of the peatland carbon sink with warming. <i>Nature Climate Change</i> , 2018, 8, 907-913.	18.8	188
25	Vegetation Succession, Carbon Accumulation and Hydrological Change in Subarctic Peatlands, Abisko, Northern Sweden. <i>Permafrost and Periglacial Processes</i> , 2017, 28, 589-604.	3.4	27
26	Testate amoeba as palaeohydrological indicators in the permafrost peatlands of north-east European Russia and Finnish Lapland. <i>Journal of Quaternary Science</i> , 2017, 32, 976-988.	2.1	15
27	Simple process-led algorithms for simulating habitats (SPLASH v.1.0): robust indices of radiation, evapotranspiration and plant-available moisture. <i>Geoscientific Model Development</i> , 2017, 10, 689-708.	3.6	64
28	Climate-driven expansion of blanket bogs in Britain during the Holocene. <i>Climate of the Past</i> , 2016, 12, 129-136.	3.4	21
29	Vulnerability of the peatland carbon sink to sea-level rise. <i>Scientific Reports</i> , 2016, 6, 28758.	3.3	25
30	The long-term fate of permafrost peatlands under rapid climate warming. <i>Scientific Reports</i> , 2016, 5, 17951.	3.3	87
31	Can oxygen stable isotopes be used to track precipitation moisture source in vascular plant-dominated peatlands?. <i>Earth and Planetary Science Letters</i> , 2015, 430, 149-159.	4.4	20
32	Drivers of Holocene peatland carbon accumulation across a climate gradient in northeastern North America. <i>Quaternary Science Reviews</i> , 2015, 121, 110-119.	3.0	58
33	Climate controls on carbon accumulation in peatlands of Northeast China. <i>Quaternary Science Reviews</i> , 2015, 115, 78-88.	3.0	61
34	Peatland Initiation, Carbon Accumulation, and 2 ka Depth in the James Bay Lowland and Adjacent Regions. <i>Arctic, Antarctic, and Alpine Research</i> , 2014, 46, 19-39.	1.1	15
35	Ecology of Testate Amoebae in an Amazonian Peatland and Development of a Transfer Function for Palaeohydrological Reconstruction. <i>Microbial Ecology</i> , 2014, 68, 284-298.	2.8	57
36	Blanket peat biome endangered by climate change. <i>Nature Climate Change</i> , 2013, 3, 152-155.	18.8	109

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37	Anthropogenic perturbation of the carbon fluxes from land to ocean. <i>Nature Geoscience</i> , 2013, 6, 597-607.	12.9	937
38	Global-scale pattern of peatland &lt;i>Sphagnum</i> growth driven by photosynthetically active radiation and growing season length. <i>Biogeosciences</i> , 2012, 9, 2737-2746.	3.3	84
39	Bioclimatic envelope model of climate change impacts on blanket peatland distribution in Great Britain. <i>Climate Research</i> , 2010, 45, 151-162.	1.1	109
40	Assessing the vulnerability of blanket peat to climate change using an ensemble of statistical bioclimatic envelope models. <i>Climate Research</i> , 2010, 45, 131-150.	1.1	63
41	Model inter-comparison between statistical and dynamic model assessments of the long-term stability of blanket peat in Great Britain (1940â€“2099). <i>Climate Research</i> , 2010, 45, 227-248.	1.1	12
42	Climate change and the British Uplands: evidence for decision-making. <i>Climate Research</i> , 2010, 45, 3-12.	1.1	16
43	Emission of methane from plants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1347-1354.	2.6	149
44	Methanotrophy potential versus methane supply by pore water diffusion in peatlands. <i>Biogeosciences</i> , 2009, 6, 1491-1504.	3.3	41
45	An exafs and computer modelling study of calcium titanite. <i>Radiation Effects and Defects in Solids</i> , 1999, 151, 13-19.	1.2	0
46	The Earth system feedbacks that matter for contemporary climate. , 0, , 102-128.		3
47	Peatlands and climate change. , 0, , 129-150.		2