

Lauren J Gregoire

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

958
citations

17
h-index

30
g-index

48
ext. papers

1,198
ext. citations

7.6
avg, IF

4.36
L-index

#	Paper	IF	Citations
33	Collapse of the Last Eurasian Ice Sheet in the North Sea Modulated by Combined Processes of Ice Flow, Surface Melt, and Marine Ice Sheet Instabilities. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021 , 126, e2020JF005755	3.8	5
32	The PMIP4 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3 simulations. <i>Climate of the Past</i> , 2021 , 17, 1065-1089	3.9	3 ¹
31	Drivers of Holocene palsa distribution in North America. <i>Quaternary Science Reviews</i> , 2020 , 240, 106337	3.9	3
30	Simulating the Early Holocene demise of the Laurentide Ice Sheet with BISICLES (public trunk revision 3298). <i>Geoscientific Model Development</i> , 2020 , 13, 4555-4577	6.3	1
29	Simulating stable carbon isotopes in the ocean component of the FAMOUS general circulation model with MOSES1 (XOAVI). <i>Geoscientific Model Development</i> , 2020 , 13, 3529-3552	6.3	1
28	The penultimate deglaciation: protocol for Paleoclimate Modelling Intercomparison Project (PMIP) phase 4 transient numerical simulations between 140 and 127 ka, version 1.0. <i>Geoscientific Model Development</i> , 2019 , 12, 3649-3685	6.3	16
27	Ocean circulation drifts in multi-millennial climate simulations: the role of salinity corrections and climate feedbacks. <i>Climate Dynamics</i> , 2019 , 52, 1761-1781	4.2	2
26	Ice sheets matter for the global carbon cycle. <i>Nature Communications</i> , 2019 , 10, 3567	17.4	48
25	Exploring the ingredients required to successfully model the placement, generation, and evolution of ice streams in the British-Irish Ice Sheet. <i>Quaternary Science Reviews</i> , 2019 , 223, 105915	3.9	10
24	Investigating the 8.2 ka event in northwestern Madagascar: Insight from data-model comparisons. <i>Quaternary Science Reviews</i> , 2019 , 204, 172-186	3.9	11
23	Global peatland initiation driven by regionally asynchronous warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4851-4856	11.5	60
22	Holocene lowering of the Laurentide ice sheet affects North Atlantic gyre circulation and climate. <i>Climate Dynamics</i> , 2018 , 51, 3797-3813	4.2	8
21	Coherent deglacial changes in western Atlantic Ocean circulation. <i>Nature Communications</i> , 2018 , 9, 2947	17.4	58
20	Marine ice sheet instability and ice shelf buttressing of the Minch Ice Stream, northwest Scotland. <i>Cryosphere</i> , 2018 , 12, 3635-3651	5.5	17
19	Climatic Effect of Antarctic Meltwater Overwhelmed by Concurrent Northern Hemispheric Melt. <i>Geophysical Research Letters</i> , 2018 , 45, 5681-5689	4.9	7
18	Acceleration of Northern Ice Sheet Melt Induces AMOC Slowdown and Northern Cooling in Simulations of the Early Last Deglaciation. <i>Paleoceanography and Paleoclimatology</i> , 2018 , 33, 807-824	3.3	19
17	Collapse of the North American ice saddle 14,500 years ago caused widespread cooling and reduced ocean overturning circulation. <i>Geophysical Research Letters</i> , 2017 , 44, 383-392	4.9	28

16	The 8.2 ka cooling event caused by Laurentide ice saddle collapse. <i>Earth and Planetary Science Letters</i> , 2017 , 473, 205-214	5.3	64
15	Abrupt Bølling warming and ice saddle collapse contributions to the Meltwater Pulse 1a rapid sea level rise. <i>Geophysical Research Letters</i> , 2016 , 43, 9130-9137	4.9	46
14	Transient climate simulations of the deglaciation 219 thousand years before present (version 1) PMIP4 Core experiment design and boundary conditions. <i>Geoscientific Model Development</i> , 2016 , 9, 2563-2587	6.3	58
13	Ocean mixing and ice-sheet control of seawater $^{234}\text{U}/^{238}\text{U}$ during the last deglaciation. <i>Science</i> , 2016 , 354, 626-629	3.3	28
12	The relative contribution of orbital forcing and greenhouse gases to the North American deglaciation. <i>Geophysical Research Letters</i> , 2015 , 42, 9970-9979	4.9	15
11	Laurentide-Cordilleran Ice Sheet saddle collapse as a contribution to meltwater pulse 1A. <i>Geophysical Research Letters</i> , 2015 , 42, 3954-3962	4.9	25
10	Sensitivity of modern climate to the presence, strength and salinity of Mediterranean-Atlantic exchange in a global general circulation model. <i>Climate Dynamics</i> , 2014 , 42, 859-877	4.2	28
9	The parameterisation of Mediterranean-Atlantic water exchange in the Hadley Centre model HadCM3, and its effect on modelled North Atlantic climate. <i>Ocean Modelling</i> , 2013 , 62, 11-16	3	19
8	Tropical coral reef habitat in a geoengineered, high-CO ₂ world. <i>Geophysical Research Letters</i> , 2013 , 40, 1799-1805	4.9	15
7	An efficient method to generate a perturbed parameter ensemble of a fully coupled AOGCM without flux-adjustment. <i>Geoscientific Model Development</i> , 2013 , 6, 1447-1462	6.3	14
6	The Early Eocene equable climate problem: can perturbations of climate model parameters identify possible solutions?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20130123	3	47
5	Deglacial rapid sea level rises caused by ice-sheet saddle collapses. <i>Nature</i> , 2012 , 487, 219-22	50.4	144
4	Optimal tuning of a GCM using modern and glacial constraints. <i>Climate Dynamics</i> , 2011 , 37, 705-719	4.2	26
3	Monsoon response to changes in Earth's orbital parameters: comparisons between simulations of the Eemian and of the Holocene. <i>Climate of the Past</i> , 2008 , 4, 281-294	3.9	100
2	Transient climate simulations of the deglaciation 219 thousand years before present; PMIP4 Core experiment design and boundary conditions		2
1	Effect of orographic gravity wave drag on Northern Hemisphere climate in transient simulations of the last deglaciation. <i>Climate Dynamics</i> , 1	4.2	0