

# Luke D Trusel

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

2,211  
citations

430874

18  
h-index

677142

22  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2696  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global environmental consequences of twenty-first-century ice-sheet melt. <i>Nature</i> , 2019, 566, 65-72.	27.8	277
2	Modelling the climate and surface mass balance of polar ice sheets using RACMO2 – Part 2: Antarctica (1979–2016). <i>Cryosphere</i> , 2018, 12, 1479-1498.	3.9	268
3	Projected land ice contributions to twenty-first-century sea level rise. <i>Nature</i> , 2021, 593, 74-82.	27.8	200
4	ISMIP6 Antarctica: a multi-model ensemble of the Antarctic ice sheet evolution over the 21st century. <i>Cryosphere</i> , 2020, 14, 3033-3070.	3.9	198
5	Divergent trajectories of Antarctic surface melt under two twenty-first-century climate scenarios. <i>Nature Geoscience</i> , 2015, 8, 927-932.	12.9	170
6	Acceleration of snow melt in an Antarctic Peninsula ice core during the twentieth century. <i>Nature Geoscience</i> , 2013, 6, 404-411.	12.9	154
7	The Greenland and Antarctic ice sheets under 1.5 °C global warming. <i>Nature Climate Change</i> , 2018, 8, 1053-1061.	18.8	135
8	How much, how fast?: A science review and outlook for research on the instability of Antarctica's Thwaites Glacier in the 21st century. <i>Global and Planetary Change</i> , 2017, 153, 16-34.	3.5	118
9	Nonlinear rise in Greenland runoff in response to post-industrial Arctic warming. <i>Nature</i> , 2018, 564, 104-108.	27.8	114
10	Antarctic surface hydrology and impacts on ice-sheet mass balance. <i>Nature Climate Change</i> , 2018, 8, 1044-1052.	18.8	112
11	Satellite-based estimates of Antarctic surface meltwater fluxes. <i>Geophysical Research Letters</i> , 2013, 40, 6148-6153.	4.0	111
12	Experimental protocol for sea level projections from ISMIP6 stand-alone ice sheet models. <i>Cryosphere</i> , 2020, 14, 2331-2368.	3.9	72
13	Industrial-era decline in subarctic Atlantic productivity. <i>Nature</i> , 2019, 569, 551-555.	27.8	56
14	Antarctic Supraglacial Lake Detection Using Landsat 8 and Sentinel-2 Imagery: Towards Continental Generation of Lake Volumes. <i>Remote Sensing</i> , 2020, 12, 134.	4.0	46
15	Climate and surface mass balance of coastal West Antarctica resolved by regional climate modelling. <i>Annals of Glaciology</i> , 2018, 59, 29-41.	1.4	40
16	Modern glacial-marine processes and potential future behaviour of Kronebreen and Kongsvegen polythermal tidewater glaciers, Kongsfjorden, Svalbard. <i>Geological Society Special Publication</i> , 2010, 344, 89-102.	1.3	31
17	Future Sea Level Change Under Coupled Model Intercomparison Project Phase 5 and Phase 6 Scenarios From the Greenland and Antarctic Ice Sheets. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091741.	4.0	28
18	A benchmark dataset of in situ Antarctic surface melt rates and energy balance. <i>Journal of Glaciology</i> , 2020, 66, 291-302.	2.2	25

#	ARTICLE	IF	CITATIONS
19	Antarctic Supraglacial Lake Identification Using Landsat-8 Image Classification. Remote Sensing, 2020, 12, 1327.	4.0	11
20	Physical and morphological properties of sea ice in the Chukchi and Beaufort Seas during the 2010 and 2011 NASA ICESCAPE missions. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 118, 7-17.	1.4	9
21	Abrupt Common Era hydroclimate shifts drive west Greenland ice cap change. Nature Geoscience, 2021, 14, 756-761.	12.9	9
22	Repeated Tidally Induced Hydrofracture of a Supraglacial Lake at the Amery Ice Shelf Grounding Zone. Geophysical Research Letters, 2022, 49, .	4.0	5
23	Habitats and Benthos of an Evolving Fjord, Glacier Bay, Alaska. , 2012, , 299-308.		2