

# Luke D Trusel

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

2,211  
citations

430843

18  
h-index

677123

22  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2696  
citing authors

#	ARTICLE	IF	CITATIONS
1	Repeated Tidally Induced Hydrofracture of a Supraglacial Lake at the Amery Ice Shelf Grounding Zone. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	5
2	Projected land ice contributions to twenty-first-century sea level rise. <i>Nature</i> , 2021, 593, 74-82.	27.8	200
3	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
4	Abrupt Common Era hydroclimate shifts drive west Greenland ice cap change. <i>Nature Geoscience</i> , 2021, 14, 756-761.	12.9	9
5	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
6	Antarctic Supraglacial Lake Identification Using Landsat-8 Image Classification. <i>Remote Sensing</i> , 2020, 12, 1327.	4.0	11
7	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
8	Experimental protocol for sea level projections from ISMIP6 stand-alone ice sheet models. <i>Cryosphere</i> , 2020, 14, 2331-2368.	3.9	72
9	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
10	Industrial-era decline in subarctic Atlantic productivity. <i>Nature</i> , 2019, 569, 551-555.	27.8	56
11	Global environmental consequences of twenty-first-century ice-sheet melt. <i>Nature</i> , 2019, 566, 65-72.	27.8	277
12	Modelling the climate and surface mass balance of polar ice sheets using RACMO2 " Part2: Antarctica (1979-2016). <i>Cryosphere</i> , 2018, 12, 1479-1498.	3.9	268
13	The Greenland and Antarctic ice sheets under 1.5 °C global warming. <i>Nature Climate Change</i> , 2018, 8, 1053-1061.	18.8	135
14	Antarctic surface hydrology and impacts on ice-sheet mass balance. <i>Nature Climate Change</i> , 2018, 8, 1044-1052.	18.8	112
15	Nonlinear rise in Greenland runoff in response to post-industrial Arctic warming. <i>Nature</i> , 2018, 564, 104-108.	27.8	114
16	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
17	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
18	Physical and morphological properties of sea ice in the Chukchi and Beaufort Seas during the 2010 and 2011 NASA ICESCAPE missions. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 118, 7-17.	1.4	9

#	ARTICLE	IF	CITATIONS
19	Divergent trajectories of Antarctic surface melt under two twenty-first-century climate scenarios. <i>Nature Geoscience</i> , 2015, 8, 927-932.	12.9	170
20	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
21	Satellite-based estimates of Antarctic surface meltwater fluxes. <i>Geophysical Research Letters</i> , 2013, 40, 6148-6153.	4.0	111
22	Habitats and Benthos of an Evolving Fjord, Glacier Bay, Alaska. , 2012, , 299-308.		2
23	Modern glacimarine 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