

# Erin C Pettit

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

380  
citations

840776

11  
h-index

794594

19  
g-index

49  
all docs

49  
docs citations

49  
times ranked

506  
citing authors

#	ARTICLE	IF	CITATIONS
1	Weakening of the pinning point buttressing Thwaites Glacier, West Antarctica. <i>Cryosphere</i> , 2022, 16, 397-417.	3.9	21
2	Wintertime Brine Discharge at the Surface of a Cold Polar Glacier and the Unexpected Absence of Associated Seismicity. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .	2.8	0
3	The Detection of Seismicity on Icy Ocean Worlds by Single-Station and Small-Aperture Seismometer Arrays. <i>Earth and Space Science</i> , 2022, 9, .	2.6	3
4	Rapid fragmentation of Thwaites Eastern Ice Shelf. <i>Cryosphere</i> , 2022, 16, 2545-2564.	3.9	36
5	The Deployment of the Seismometer to Investigate Ice and Ocean Structure (SIOS) in Northwest Greenland: An Analog Experiment for Icy Ocean World Seismic Deployments. <i>Seismological Research Letters</i> , 2021, 92, 2036-2049.	1.9	5
6	Pathways and modification of warm water flowing beneath Thwaites Ice Shelf, West Antarctica. <i>Science Advances</i> , 2021, 7, .	10.3	39
7	Understanding drivers of glacier-length variability over the last millennium. <i>Cryosphere</i> , 2021, 15, 1645-1662.	3.9	7
8	A Changing Hydrological Regime: Trends in Magnitude and Timing of Glacier Ice Melt and Glacier Runoff in a High Latitude Coastal Watershed. <i>Water Resources Research</i> , 2021, 57, e2020WR027404.	4.2	7
9	Geophysical constraints on the properties of a subglacial lake in northwest Greenland. <i>Cryosphere</i> , 2021, 15, 3279-3291.	3.9	5
10	Two decades of dynamic change and progressive destabilization on the Thwaites Eastern Ice Shelf. <i>Cryosphere</i> , 2021, 15, 5187-5203.	3.9	22
11	“You really see it”: environmental identity shifts through interacting with a climate change-impacted glacier landscape. <i>International Journal of Science Education</i> , 2020, 42, 3049-3070.	1.9	9
12	The influence of environmental microseismicity on detection and interpretation of small-magnitude events in a polar glacier setting. <i>Journal of Glaciology</i> , 2020, 66, 790-806.	2.2	6
13	The Deployment of the Seismometer to Investigate Ice and Ocean Structure (SIOS) on Gulkana Glacier, Alaska. <i>Seismological Research Letters</i> , 2020, 91, 1901-1914.	1.9	8
14	Iceberg topography and volume classification using TanDEM-X interferometry. <i>Cryosphere</i> , 2019, 13, 1861-1875.	3.9	14
15	Microbial diversity of an Antarctic subglacial community and high-resolution replicate sampling inform hydrological connectivity in a polar desert. <i>Environmental Microbiology</i> , 2019, 21, 2290-2306.	3.8	20
16	The Geochemistry of Englacial Brine From Taylor Glacier, Antarctica. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 633-648.	3.0	31
17	Tacit knowledge and girls’ notions about a field science community of practice. <i>International Journal of Science Education, Part B: Communication and Public Engagement</i> , 2018, 8, 164-177.	1.5	5
18	The challenge of monitoring glaciers with extreme altitudinal range: mass-balance reconstruction for Kahiltna Glacier, Alaska. <i>Journal of Glaciology</i> , 2018, 64, 75-88.	2.2	4

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19	An englacial hydrologic system of brine within a cold glacier: Blood Falls, McMurdo Dry Valleys, Antarctica. <i>Journal of Glaciology</i> , 2017, 63, 387-400.	2.2	33
20	In situ field measurements of the temporal evolution of low-frequency sea-ice dielectric properties in relation to temperature, salinity, and microstructure. <i>Cryosphere</i> , 2016, 10, 2923-2940.	3.9	6
21	Configuration of the Northern Antarctic Peninsula Ice Sheet at LGM based on a new synthesis of seabed imagery. <i>Cryosphere</i> , 2015, 9, 613-629.	3.9	37
22	Influence of debris-rich basal ice on flow of a polar glacier. <i>Journal of Glaciology</i> , 2014, 60, 989-1006.	2.2	13
23	Seismic multiplet response triggered by melt at Blood Falls, Taylor Glacier, Antarctica. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	32