

How to find a journal for your publication with **Open Alex**

Coffee Lecture

April 29th, 2025

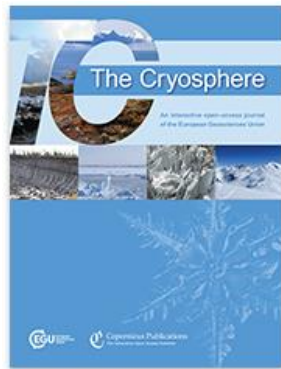
Gary Seitz

Liaison Librarian

Possibilities

1. Choose a journal that fits your story
2. Journal Impact Factor in my category
3. Analysis with OpenAlex
4. AI (ChatGPT / Google Gemini / Microsoft Copilot)

1. Choose a journal that fits your story



Questions to ask yourself...

- Is it a short communication on cutting-edge research demanding fast publication?
- Or rather a full-length paper with lots of detailed discussions that needs more than five pages?
- Is your work relevant to a broad audience or is it more suited for specialists in a certain field?

→ Before starting to write: Read «**About the Journal**» / Journal Scope

«About the Journal»

The Cryosphere (TC) is an international scientific journal dedicated to the publication and discussion of research articles, short communications, and review papers on all aspects of frozen water and ground on Earth and on other planetary bodies.

Journal of Glaciology publishes original scientific articles and letters in any aspect of glaciology- the study of ice. Studies of natural, artificial, and extraterrestrial ice and snow, as well as interactions between ice, snow and the atmospheric, oceanic and subglacial environment are all eligible. They may be

→ **Choosing a journal where your story fits will increase the chances of acceptance! (It's like applying for a job)**

Geophysical Research Letters publishes high-impact, innovative, and timely communications-length articles on major advances spanning all of the major geoscience disciplines. Papers should have broad and immediate implications meriting rapid decisions and high visibility.

The **Journal of Climate (JCLI)** publishes research that advances basic understanding of the dynamics and physics of the climate system on large spatial scales, including variability of the atmosphere, oceans, land surface, and cryosphere; past, present, and projected future changes in the climate system; and climate simulation and prediction.

Nature is a weekly international journal publishing the finest peer-reviewed research in all fields of science and technology on the basis of its originality, importance, interdisciplinary interest, timeliness, accessibility, elegance and surprising conclusions. Nature also provides rapid, authoritative, insightful and arresting news and interpretation of topical and coming trends affecting science, scientists and the wider public.

2. Journal Impact Factor in my category



Geosciences



NUMBER OF CATEGORIES

14

NUMBER OF JOURNALS

1,101

NUMBER OF CITABLE ITEMS

172,871

Covers multiple aspects of the study of Earth, including geology, geochemistry and geophysics, geological engineering, atmospheric sciences, oceanography, mining and minerals, remote sensing, soil sciences and water resources.

- CRYSTALLOGRAPHY
- ENGINEERING, GEOLOGICAL
- GEOCHEMISTRY & GEOPHYSICS
- GEOGRAPHY, PHYSICAL
- GEOLOGY
- GEOSCIENCES, MULTIDISCIPLINARY
- METEOROLOGY & ATMOSPHERIC SCIENCES
- MINERALOGY
- MINING & MINERAL PROCESSING
- OCEANOGRAPHY
- PALEONTOLOGY
- REMOTE SENSING
- SOIL SCIENCE
- WATER RESOURCES



Journal name ▾	ISSN	eISSN	Category	Edition	Total Citations ▾	2023 JIF ▾	JIF Quartile
<input type="checkbox"/> Biochar	2524-7972	2524-7867	SOIL SCIENCE	SCIE	2,948	13.1	Q1
<input type="checkbox"/> SOIL BIOLOGY & BIOCHEMISTRY	0038-0717	1879-3428	SOIL SCIENCE	SCIE	55,117	9.8	Q1
<input type="checkbox"/> International Soil and Water Conservation Research	2095-6339	2589-059X	SOIL SCIENCE	SCIE	3,057	7.3	Q1
<input type="checkbox"/> SOIL & TILLAGE RESEARCH	0167-1987	1879-3444	SOIL SCIENCE	SCIE	22,864	6.1	Q1
<input type="checkbox"/> Soil	2199-3971	2199-398X	SOIL SCIENCE	SCIE	2,102	5.8	Q1
<input type="checkbox"/> Geoderma	0016-7061	1872-6259	SOIL SCIENCE	SCIE	41,073	5.6	Q1
<input type="checkbox"/> CATENA	0341-8162	1872-6887	SOIL SCIENCE	SCIE	32,938	5.4	Q1
<input type="checkbox"/> PEDOSPHERE	1002-0160	2210-5107	SOIL SCIENCE	SCIE	5,649	5.2	Q1
<input type="checkbox"/> BIOLOGY AND FERTILITY OF SOILS	0178-2762	1432-0789	SOIL SCIENCE	SCIE	11,048	5.1	Q1
<input type="checkbox"/> SOIL USE AND MANAGEMENT	0266-0032	1475-2743	SOIL SCIENCE	SCIE	4,481	5.0	Q1
<input type="checkbox"/> APPLIED SOIL ECOLOGY	0929-1393	1873-0272	SOIL SCIENCE	SCIE	17,739	4.8	Q1
<input type="checkbox"/> Soil Ecology Letters	2662-2289	2662-2297	SOIL SCIENCE	ESCI	648	4.5	Q1
<input type="checkbox"/> EUROPEAN JOURNAL OF SOIL SCIENCE	1351-0754	1365-2389	SOIL SCIENCE	SCIE	9,016	4.0	Q2
<input type="checkbox"/> PLANT AND SOIL	0032-079X	1573-5036	SOIL SCIENCE	SCIE	43,090	3.9	Q2
<input type="checkbox"/> EUROPEAN JOURNAL OF SOIL BIOLOGY	1164-5563	1778-3615	SOIL SCIENCE	SCIE	4,312	3.7	Q2
<input type="checkbox"/> LAND DEGRADATION & DEVELOPMENT	1085-3278	1099-145X	SOIL SCIENCE	SCIE	12,085	3.6	Q2

3. Analysis with OpenAlex

OpenAlex is a bibliographic catalogue of scientific papers, authors and institutions accessible in **open access mode**, named after the Library of Alexandria

Why OpenAlex?

OpenAlex offers an open replacement for the scientific knowledge bases like Elsevier's Scopus and Clarivate's Web of Science which have to be licensed at a very expensive fee.

OpenAlex offers significant advantages in terms of inclusivity, affordability, and availability.

OpenAlex is:

- **Big** — It is inclusive as possible, especially for works in other languages and the Global South.
- **Easy** — The service is fast, and well-documented.
- **Open** — The complete dataset is free under the CC0 license, which allows for transparency and reuse.



Sources

[Crossref](#), [DataCite](#), [PubMed](#), [HAL](#), [DOAJ](#), [ORCID](#), [MAG](#), [arXiv](#), [Dergipark](#), [OSTI](#), [RePEc](#), [UNC Carolina](#), [University of Michigan Deep Blue](#), [Zenodo](#), [ISSN](#), other institutional repositories ([full list](#)), parsing of 60M open access PDFs

Tutorials



<https://www.youtube.com/watch?v=dKJgLK3wrTM>

OpenAlex Works Search OpenAlex

Unsaved search

Show works where:

- 1 fulltext includes "climate change ice sheet mass loss"
- 2 and type is article
- 3 and year is within range 2010-2025

Works

The central role of diminishing sea ice in recent Arctic temperature amplification
2010 · James A. Screen, Ian Simmonds · *Nature*
Cited by 2'023 PDF

Mass balance of the Antarctic Ice Sheet from 1992 to 2017
2018 · S Cassidy Andrew, Ivins Erik, et al. · *Nature*
Cited by 1'050 PDF

Accelerated global glacier mass loss in the early twenty-first century
2021 · Romain Hugonnet, Robert McNabb, et al. · *Nature*
Cited by 971 PDF

Mass balance of the Greenland Ice Sheet from 1992 to 2018
2019 · Andrew Shepherd, Erik R. Ivins, et al. · *Nature*
Cited by 651 PDF

Stats

13'470 results

source	count
<input type="checkbox"/> The cryosphere	612
<input type="checkbox"/> Quaternary Science Reviews	403
<input type="checkbox"/> Journal of Glaciology	346
<input type="checkbox"/> Geophysical Research Letters	339
<input type="checkbox"/> Science	209
More...	

type	count
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<input type="checkbox"/> book-chapter	0
<input type="checkbox"/> dataset	0
<input type="checkbox"/> preprint	0
<input type="checkbox"/> dissertation	0
More...	

year

Top sources (200)	
<input type="checkbox"/> The cryosphere	612
<input type="checkbox"/> Quaternary Science Reviews	403
<input type="checkbox"/> Journal of Glaciology	346
<input type="checkbox"/> Geophysical Research Letters	339
<input type="checkbox"/> Science	209
<input type="checkbox"/> Climate of the past	201
<input type="checkbox"/> Remote Sensing	185
<input type="checkbox"/> Earth and Planetary Science Letters	178
<input type="checkbox"/> Nature Communications	161
<input type="checkbox"/> Quaternary International	141
<input type="checkbox"/> Journal of Climate	139
<input type="checkbox"/> Journal of Geophysical Research Atmospheres	128
<input type="checkbox"/> Palaeogeography Palaeoclimatology Palaeoecology	118
<input type="checkbox"/> Journal of Geophysical Research Oceans	117
<input type="checkbox"/> Frontiers in Earth Science	115
<input type="checkbox"/> Nature Geoscience	113
<input type="checkbox"/> Journal of Geophysical Research Earth Surface	112
<input type="checkbox"/> Climate Dynamics	112
<input type="checkbox"/> Scientific Reports	109
<input type="checkbox"/> Geoscientific model development	105
<input type="checkbox"/> Eos	104
<input type="checkbox"/> Annals of Glaciology	104
<input type="checkbox"/> Nature Climate Change	101
<input type="checkbox"/> Atmospheric chemistry and physics	98

Unsaved search

Show works where:

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- 2 and type is article
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- 4 and source is The cryosphere



Works

- ISMIP6 Antarctica: a multi-model ensemble of the Antarctic ice sheet evolution over the 21st century
2020 · Hélène Seroussi, Sophie Nowicki, et al. · *The cryosphere*
Cited by 371 PDF
- Estimating the Greenland ice sheet surface mass balance contribution to future sea level rise using the regional atmospheric climate model MAR
2013 · Xavier Fettweis, Bruno Franco, et al. · *The cryosphere*
Cited by 414 PDF
- The future sea-level contribution of the Greenland ice sheet: a multi-model ensemble study of ISMIP6
2020 · Heiko Goelzer, Sophie Nowicki, et al. · *The cryosphere*
Cited by 240 PDF
- Greenland ice sheet contribution to sea-level rise from a new-generation ice-sheet model
2012 · Fabien Gillet-Chaulet, Olivier Gagliardini, et al. · *The cryosphere*

Stats

612 results

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type	
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<input type="checkbox"/> dataset	0
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institution	
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<input type="checkbox"/> Centre National de la Recherche Scientifique	92
<input type="checkbox"/> Helmholtz Association of German Research Centres	76
<input type="checkbox"/> Institut National des Sciences de l'Univers	74
<input type="checkbox"/> National Aeronautics and Space Administration	70
More...	

year

Top institutions (200)

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<input type="checkbox"/> University of Colorado Boulder	54
<input type="checkbox"/> Gouvernement de la République française	54
<input type="checkbox"/> Université Grenoble Alpes	54
<input type="checkbox"/> Ministère de l'Europe et des Affaires étrangères	53
<input type="checkbox"/> Ministère de l'Enseignement Supérieur et de la Recherche	53
<input type="checkbox"/> Institut de Recherche pour le Développement	53
<input type="checkbox"/> Danish Ministry of Climate, Energy and Utilities	51
<input type="checkbox"/> Institut polytechnique de Grenoble	41
<input type="checkbox"/> Institut des Géosciences de l'Environnement	38
<input type="checkbox"/> Direction Générale Déléguée aux Ressources	38
<input type="checkbox"/> Délégation Alpes	38
<input type="checkbox"/> Natural Environment Research Council	37
<input type="checkbox"/> UK Research and Innovation	37
<input type="checkbox"/> Geological Survey of Denmark and Greenland	35
<input type="checkbox"/> Columbia University	35
<input type="checkbox"/> Goddard Space Flight Center	34
<input type="checkbox"/> Board of the Swiss Federal Institutes of Technology	34
<input type="checkbox"/> University of Bristol	34

OpenAlex

Works

Search OpenAlex

Unsaved search

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- 2 and type is article
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Cited by 414 PDF
- The future sea-level contribution of the Greenland ice sheet: a multi-model ensemble study of ISMIP6
2020 · Heiko Goelzer, Sophie Nowicki, et al. · *The cryosphere*
Cited by 240 PDF

author

<input type="checkbox"/>	M. R. van den Broeke	59
<input type="checkbox"/>	Xavier Fettweis	56
<input type="checkbox"/>	Mathieu Morlighem	25
<input type="checkbox"/>	Jan T. M. Lenaerts	22
<input type="checkbox"/>	Willem Jan van de Berg	21

More...

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<input type="checkbox"/>	Mathieu Morlighem	25
<input type="checkbox"/>	Jan T. M. Lenaerts	22
<input type="checkbox"/>	Willem Jan van de Berg	21
<input type="checkbox"/>	Peter Kuipers Munneke	20
<input type="checkbox"/>	Roderik S. W. van de Wal	19
<input type="checkbox"/>	Jason E. Box	19
<input type="checkbox"/>	H�el�ene Seroussi	18
<input type="checkbox"/>	Marco Tedesco	17
<input type="checkbox"/>	Ricarda Winkelmann	17
<input type="checkbox"/>	Brice No�el	17
<input type="checkbox"/>	C�ecile Agosta	17
<input type="checkbox"/>	Heiko Goelzer	16
<input type="checkbox"/>	G. Hilmar Gudmundsson	15
<input type="checkbox"/>	Philippe Huybrechts	15
<input type="checkbox"/>	A. J. Payne	14
<input type="checkbox"/>	Carleen H. Reijmer	14
<input type="checkbox"/>	Christoph Kittel	14
<input type="checkbox"/>	William H. Lipscomb	14
<input type="checkbox"/>	Fiammetta Straneo	13
<input type="checkbox"/>	Dirk van As	12
<input type="checkbox"/>	Matthias Huss	12

Stats

13'470 results

from Global South



Country

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<input type="checkbox"/>	Canada	1'252

Continent

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<input type="checkbox"/>	North America	5'723
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language

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<input type="checkbox"/>	Spanish	16
<input type="checkbox"/>	Turkish	10
<input type="checkbox"/>	German	5

author

<input type="checkbox"/>	M. R. van den Broeke	222
<input type="checkbox"/>	Xavier Fettweis	142
<input type="checkbox"/>	Jason E. Box	84
<input type="checkbox"/>	Mathieu Morlighem	84
<input type="checkbox"/>	Jan T. M. Lenaerts	82

source

<input type="checkbox"/>	The cryosphere	612
<input type="checkbox"/>	Quaternary Science Reviews	403
<input type="checkbox"/>	Journal of Glaciology	346
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type

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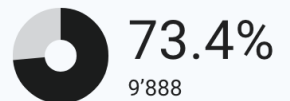
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<input type="checkbox"/>	Institut National des Sciences de l'Univers	725
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topic

<input type="checkbox"/>	Impacts of Climate Change on Glaciers and Water Availability	3'392
<input type="checkbox"/>	Climate Change and Paleoclimatology	2'148
<input type="checkbox"/>	Global Sea Level Variability and Change	645
<input type="checkbox"/>	Arctic Sea Ice Variability and Decline	453
<input type="checkbox"/>	Climate Change and Variability Research	265

open access



4 AI (Google Gemini)



Suggest appropriate journals for publication of this manuscript with these keywords:
climate change ice sheet mass loss

Vorschläge anzeigen ▾



Journals that might be suitable for your manuscript on climate change and ice sheet mass loss include:

- Nature
- Science
- Geophysical Research Letters
- Journal of Glaciology
- The Cryosphere
- Climate Dynamics
- Earth and Planetary Science Letters
- Climate Change
- Nature Climate Change
- Nature Geoscience

These journals are known for publishing high-quality research on climate change and related topics, including ice sheet dynamics, sea level rise, and ocean circulation.

When choosing a journal, consider the following:

- **Scope:** Does the journal's scope align with your research topic?
- **Impact Factor:** A higher impact factor generally indicates a more prestigious journal, but it's not the only factor to consider.
- **Target Audience:** Who do you want to reach with your research? Some journals have a wider audience than others.
- **Submission Guidelines:** Make sure your manuscript adheres to the journal's specific formatting and submission guidelines.

It's also a good idea to check the journal's website for information on recent publications and the editorial board. This can give you a better sense of the journal's focus and the types of articles they typically publish.

4 AI (ChatGPT)

Suggest appropriate journals for publication of this manuscript with these keywords: climate change ice sheet mass loss

For a manuscript with the keywords "climate change," "ice sheet," and "mass loss", here are appropriate journals where your research could be submitted:

High-Impact General Science Journals

1. Nature Climate Change

- Focus: High-impact research on all aspects of climate change, including ice sheet dynamics and mass loss.
- Website: [Nature Climate Change](#)

2. Science

- Focus: Interdisciplinary research of global significance, including studies on ice sheet mass loss and climate change.
- Website: [Science](#)

3. Nature Geoscience

- Focus: Earth sciences, including geophysical aspects of ice sheets and their response to climate change.
- Website: [Nature Geoscience](#)

Specialized Climate and Cryosphere Journals

4. The Cryosphere (EGU)

- Focus: Studies on ice sheets, glaciers, and polar processes. Highly suitable for research on ice sheet mass loss.
- Open Access: Yes
- Website: [The Cryosphere](#)

5. Journal of Glaciology

- Focus: Comprehensive studies on glaciology, including ice sheet mass balance and climate interactions.
- Website: [Journal of Glaciology](#)

6. Climate Dynamics

- Focus: Interactions between the cryosphere and climate systems, including modeling studies of ice sheet mass loss.
- Website: [Climate Dynamics](#)

Geophysical and Remote Sensing Journals

7. Geophysical Research Letters (AGU)

- Focus: High-impact, concise studies on ice sheet mass loss and related climate dynamics.
- Website: [GRL](#)

8. Journal of Geophysical Research: Earth Surface (AGU)

- Focus: Earth surface processes, including glaciological studies on ice sheet changes and mass balance.
- Website: [JGR: Earth Surface](#)

9. Remote Sensing of Environment

- Focus: Research on the use of remote sensing techniques to study ice sheets and climate change impacts.
- Website: [Remote Sensing of Environment](#)

Multidisciplinary Environmental Science Journals

10. Global and Planetary Change

- Focus: Long-term changes in the Earth system, including ice sheet dynamics in response to climate change.
- Website: [Global and Planetary Change](#)

Which would be the top 10 journals you would recommend

Here are the **top 10 journals** I recommend for your manuscript on **climate change, ice sheet mass loss**, based on their relevance, prestige, and impact within the fields of climate science, cryospheric studies, and geosciences:

1. Nature Climate Change

- **Focus:** Climate change impacts, processes, and interactions, including cryosphere studies.
- **Why Recommended:** High-impact journal with global visibility for groundbreaking research.
- **Impact Factor (2023):** ~33.7
- **Website:** [Nature Climate Change](#)

2. The Cryosphere (EGU)

- **Focus:** Cryospheric systems, including glaciers, ice sheets, and their interactions with climate.
- **Why Recommended:** Dedicated to cryosphere research and open access for greater visibility.
- **Impact Factor (2023):** ~5.8
- **Website:** [The Cryosphere](#)

3. Journal of Glaciology

- **Focus:** All aspects of ice sheets, glaciers, and cryosphere dynamics.
- **Why Recommended:** A leading journal in glaciology, ideal for research focused on ice sheet mass loss.
- **Impact Factor (2023):** ~3.5
- **Website:** [Journal of Glaciology](#)

4. Geophysical Research Letters (GRL)

- **Focus:** High-impact, concise studies in geophysical sciences, including cryosphere-climate interactions.
- **Why Recommended:** Well-regarded for rapid publication of significant findings.
- **Impact Factor (2023):** ~4.6
- **Website:** [GRL](#)



8. Environmental Research Letters (ERL)

- **Focus:** Multidisciplinary environmental science, including climate change and ice sheet dynamics.
- **Why Recommended:** Open-access journal with a strong focus on actionable climate research.
- **Impact Factor (2023):** ~6.1
- **Website:** [ERL](#)

9. Global and Planetary Change

- **Focus:** Long-term and large-scale processes affecting the Earth's systems, including ice sheet mass balance.
- **Why Recommended:** Excellent for studies with a global or regional perspective on cryosphere changes.
- **Impact Factor (2023):** ~4.0
- **Website:** [Global and Planetary Change](#)

10. Earth and Planetary Science Letters (EPSL)

- **Focus:** Geophysical and geochemical processes, including studies of ice sheets and climate interactions.
- **Why Recommended:** Prestigious journal for Earth sciences, suitable for technically detailed studies.
- **Impact Factor (2023):** ~5.7
- **Website:** [EPSL](#)

Key Factors for Choosing:

1. **Impact Factor and Prestige:** Journals like *Nature Climate Change* and *Nature Geoscience* offer the highest visibility and impact but are highly competitive.
2. **Specificity:** Journals like *The Cryosphere* and *Journal of Glaciology* specialize in cryosphere research, increasing the chances of finding a target audience.
3. **Open Access:** Journals like *The Cryosphere* and *Environmental Research Letters* ensure your work is accessible to a global audience.

Evaluate the scope of these journals against your manuscript's focus to identify the best fit.

Questions?



Please give us Feedback

<https://forms.office.com/e/yiXA5drdPP>

