How to use the library





Senior academic librarian Anna Kathinka Dalland Evans
Introduction week for master students, Dep of Physics, August 2022

UiO : University of Oslo Library
Library of Medicine and Science

Your subject specialist (me)

- ph.d. (2009) - Institute of Theoretical Astrophysics (ITA)
- ... and communication!

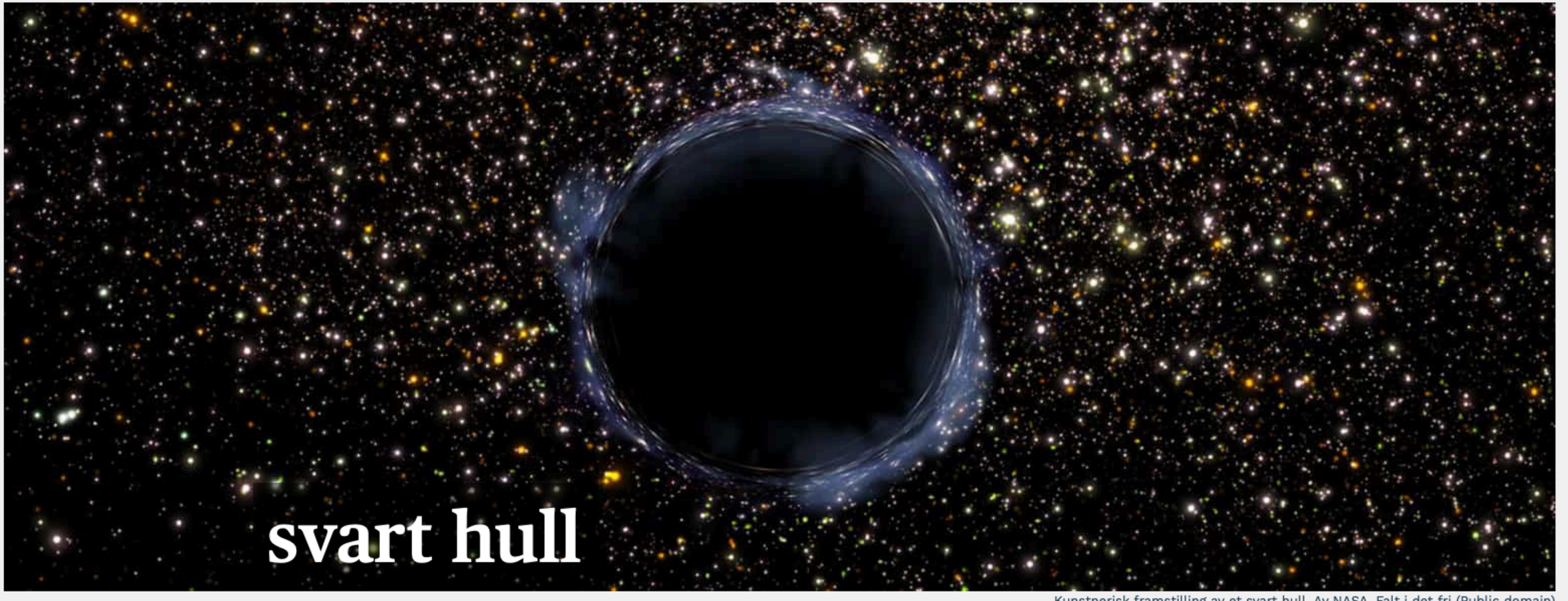
- MET Norway
  - Communication (Yr++)
  - 100+ researchers
- The Universe @ snl.no



snl.no/svart_hull

STORE NORSKE LEKSIKON

Søk i Store norske leksikon



Kunstnerisk framstilling av et svart hull. Av NASA. Falt i det fri (Public domain)

Today's agenda

Why you should use us at the Library

- Who we are at the library
- Searching for a (master) topic
- How we can help you write a great thesis
- Help me make the best seminar for YOU



UiO : University of Oslo Library
Library of Medicine and Science



A glance at science



© UiO/Simen Kjellin

The Science Library

Open & staffed: 8 - 20 weekdays

10 - 18 weekends

5 - 24 all week with card & code

- Free coffee and tea every morning
- If you need help - ask us at the library desk
  or our digital desk: ub.uio.no
- Study areas and group rooms
- Events in the foyer

UNIVERSITY
OF OSLO

Physics at the Library

Charles M. Marcus

Bohr’s legacy: What is quantum today?



Tuesday May 24, 12.15–13.00
Science Library, Vilhelm Bjerknes’ hus



© Simen Kjellin/UiO


FREMTIDEN
FORSKERNATT PÅ BIBLIOTEKET
REALFAGSBIBLIOTEKET, VILHELM BJERKNES`HUS FREDAG 30.9 KL 18

ub.uio.no/bruk

ub.uio.no/english/using

Everything you need to know about borrowing

Find out who can use us and what the library regulations are.

Access outside UiO

You can access e-books, electronic articles, databases and other online resources in Oria if you work or study at UiO or OUS, whether you are on campus or at home.

Study areas and group study rooms in the Library

Printing, copying and scanning

Get guidance

Get immediate help at our digital desk or pre-book a guidance appointment with one of our librarians.

The invisible net

- Large book collection
- Enormous digital collection
- UiO pays to give YOU access!

Access provided by Universitetet i Oslo



ub.uio.no/physics

ub.uio.no/fysikk

University of Oslo Library

← Subjects ← Natural Sciences and Technology

Subject page for physics

Find books, articles, journals etc.

Books, journals, articles etc. - print & elec

Oria help Go to Oria

For books, you may also try Science Library subject search.

Contact

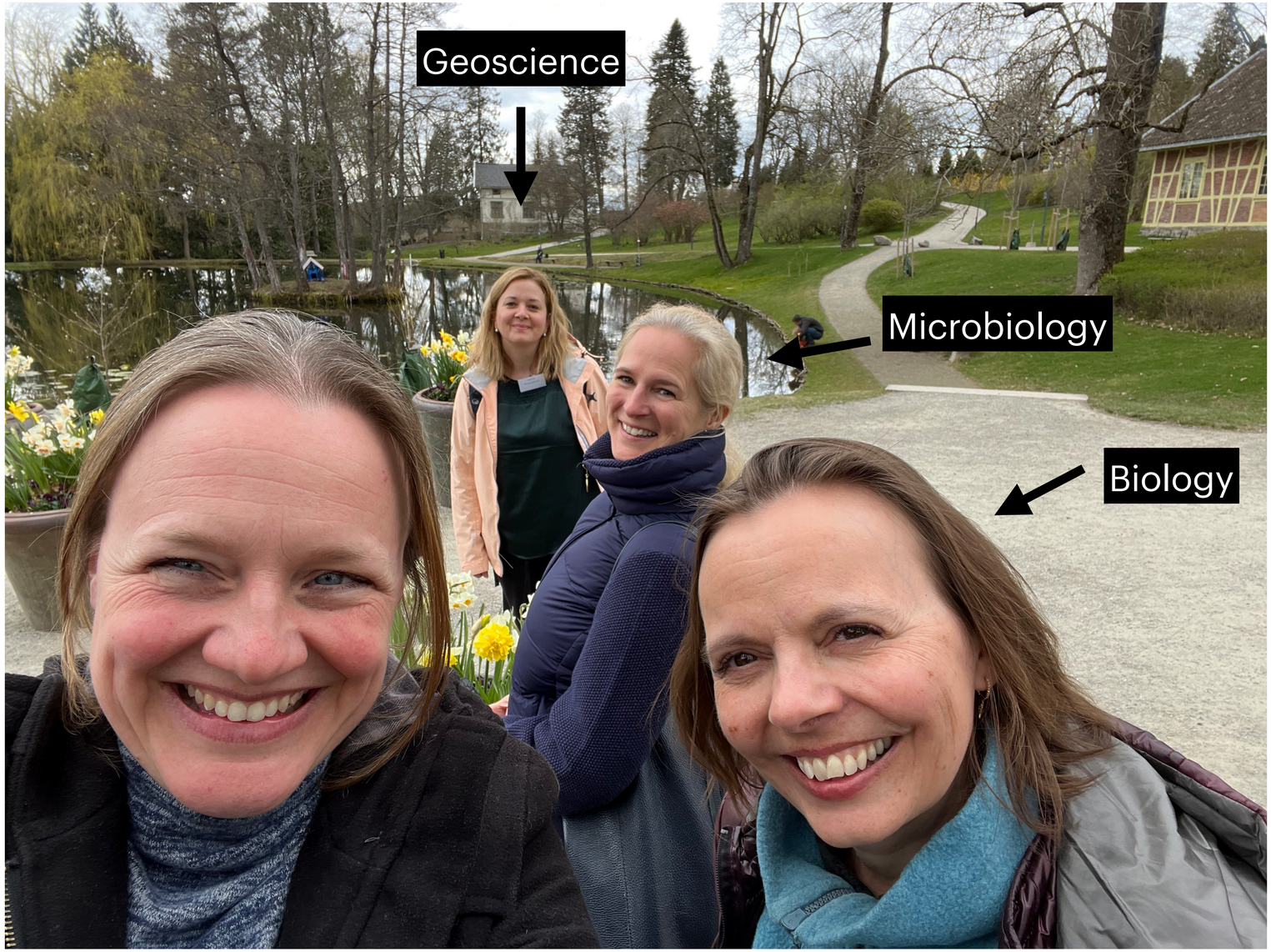


Anna Kathinka Dalland Evans

Subject specialist physics
The Science Library

Who we are at the library

Your pool of helpers!



Your Master Thesis

What we can do to help

- Searching for literature (in a new field)
- Citing and references
  - Reference management tools (Endnote/Zotero), help you keep track!
  - Latex/Bibtex help (latex-guru@ub.uio.no)
  - Copyright
- Figures, maps and datasets
- Tips on writing/writing sessions (shut up and write)
- Outreach and communication

Searching

ub.uio.no

UNIVERSITY OF OSLO

University of Oslo Library

Menu



Find books, articles, journals etc.

Books, journals, articles etc. - print & electronic

Oria help

Go to Oria

Search options in Oria

You can choose between different search options in the search box menu.

University of Oslo Library
Includes print and electronic resources available at UiO.

Norwegian Academic Libraries
Expands the search to include also print and electronic resources at other universities and colleges in Norway.

UB digital
Limits the search to only electronic resources available at UiO. No print resources will be included in the results lists.

More information about sources and searching

Access to electronic resources from Oria

You can access electronic resources when you are connected to the UiO or OUS network. From home, you will be asked to sign in with your UiO username and password to get access. More information about access from home

Request and renew in Oria

Sign in at the top right of the page to request books and articles or renew loans under My Account.

Help and questions

Tutorials and help with Oria

Contact, questions and feedback

Conctact information

oria-hjelp@ub.uio.no
Contact us

Responsible for this page

UiO : University of Oslo Library
Privacy Policy
The service is provided by UNIT.

Search Criteria

Title contains "digital signal processing"

SEARCH

SIMPLE SEARCH

0 selected PAGE 320 Results Save query Personalize

1 BOOK
PSpice for Digital Signal Processing
Tobin, Paul
2022
“PSpice for Digital Signal Processing is the last in a series of five books using Cadence Orcad PSpice version...”
Available online

2 BOOK
2022 24th International Conference on Digital Signal Processing and its Applications (DSPA)
Available online

3 

BOOK
Measuring Electronics and Sensors : Basics of Measurement Technology, Sensors, Analog and Digital Signal Processing.
Herbert. Bernstein
2022
Available online

4 

BOOK
Wavelets and Wavelet Transform Systems and Their Applications : A Digital Signal Processing Approach.
Cajetan M. Akujuobi
2022

Tweak my results

Expand beyond library collections

Search in Full Text

Sort by Date-newest

Show only

Available online (253)

Library collections (179)

Physical items (69)

Open Access

Resource Type

Books (320)

E-books (111)

Print books (70)

Show More

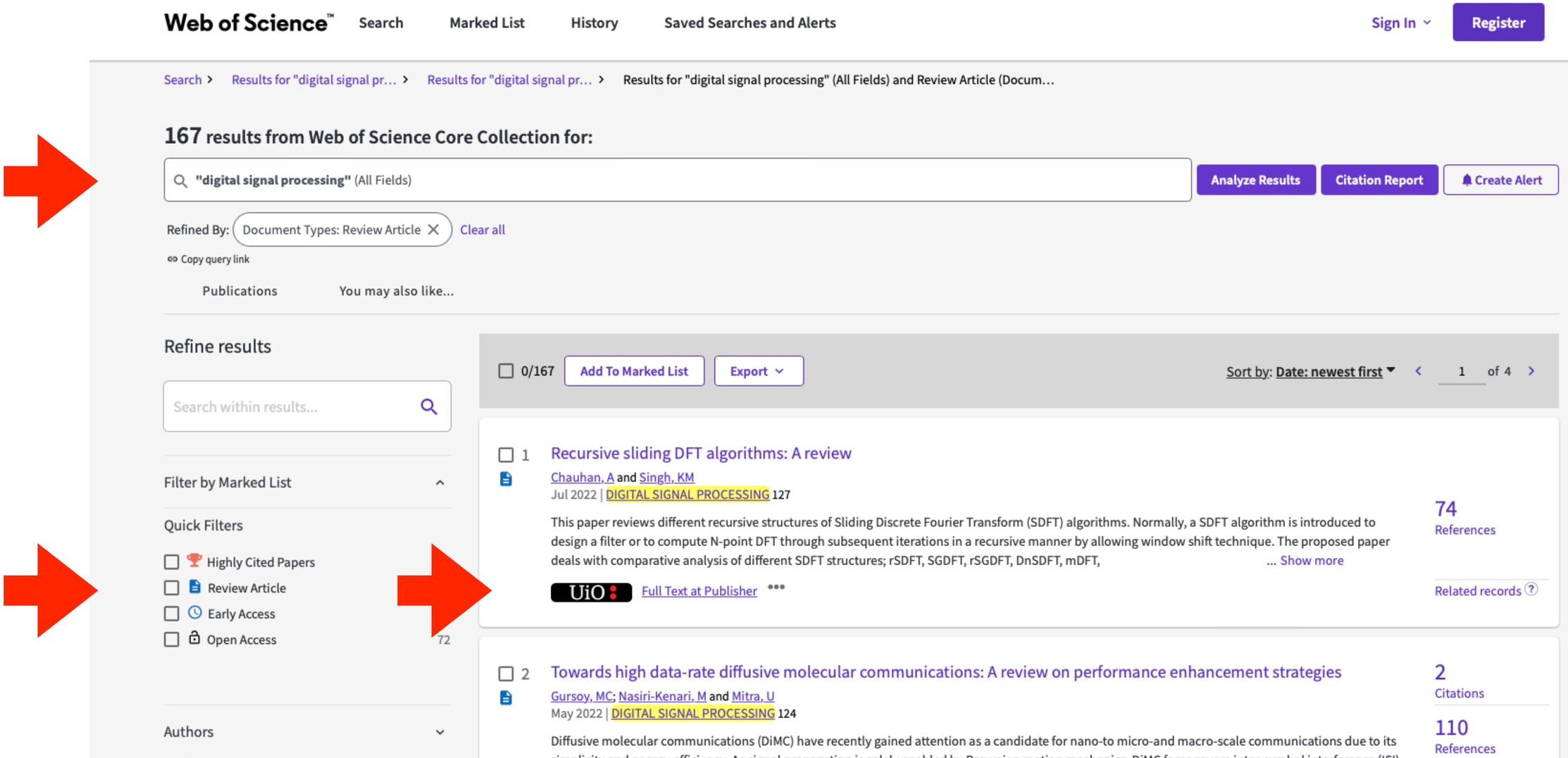
Publication/Creation Date

From 1969 To 2022 Refine

Language

Another option...

Databases



How do you find the databases?

ub.uio.no/physics

ub.uio.no/fysikk

University of Oslo Library

← Subjects ← Natural Sciences and Technology

Subject page for physics

Find books, articles, journals etc.

Books, journals, articles etc. - print & elec

Oria help Go to Oria

For books, you may also try Science Library subject search.

Contact



Anna Kathinka Dalland Evans

Subject specialist physics
The Science Library

ub.uio.no/physics



Selected resources

Web of science (Thomson Reuters)
Multidisiplinary reference- and citation database. Large overlap with Scopus in both content and functionality, but Web of Science still has better coverage back in time.

IEEE Xplore
IEEE Explore contains fulltext articles, e-books and conference proceedings from IEEE, IET, IBM and VDE Verlag, in addition to IEEE Standards Dictionary. Covers applied physics and computing with a special focus on electrical engineering.

Scopus (Elsevier)
Multidisiplinary reference- and citation database started in 2004. Large overlap with Web of Science in both content and functionality, but Scopus contains a greater number of entries.

arXiv.org (1991-)
Arxiv is an open access electronic archive for articles and preprints within physics, mathematics, computer technology etc. Particularly strong in theoretical physics.

Google scholar
Search engine for scientific information. See Fulltext@UBO for accessing articles or to order a copy.

→ Go to more databases in physics

Use the UiO staff pages

People ➔ Academic staff

Henrik Andersen Sveinsson

Postdoctoral Fellow - Center for Computing in Science Education



Email h.a.sveinsson@fys.uio.no
Mobile phone +4798421006
Room FØ455
Username henriasv

Visiting address
Sem Sælands vei 24
Fysikkbygningen
0371 Oslo

Postal address
Postboks 1048
Blindern
0316 Oslo

Press photo Download business card

Academic interests

Molecular simulations of fractures in geologically relevant materials such as (wet) silica, ice and gas hydrates.

Basic understanding of friction.

Publications

Scientific articles and bookchapters | Books | Other

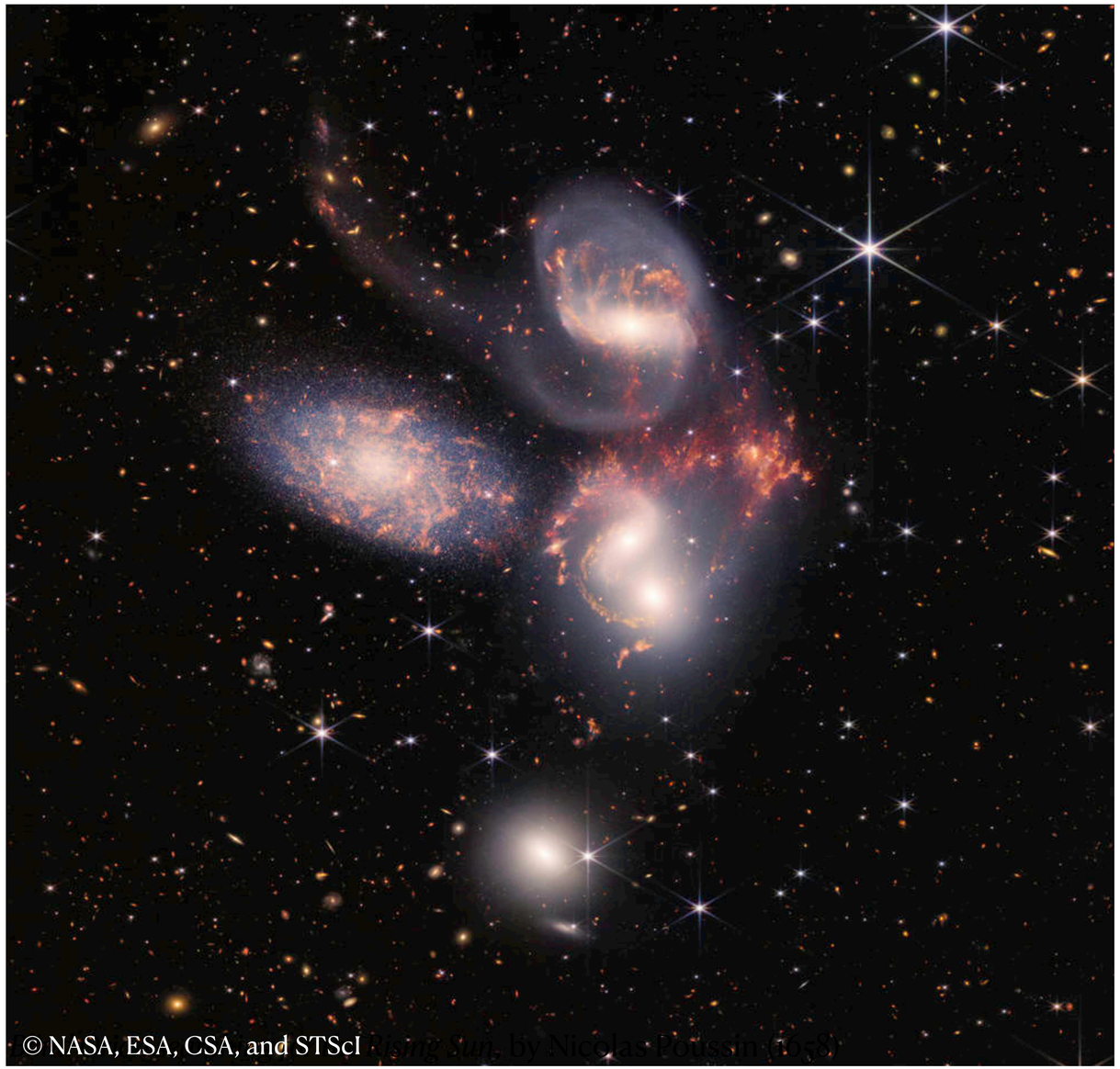
Sveinsson, Henrik Andersen; Ning, Fulong; Cao, Pinqiang; Fang, Bin & Malthe-Sørenssen, Anders (2021). Grain-Size-Governed Shear Failure Mechanism of Polycrystalline Methane Hydrates. *Journal of Physical Chemistry C.* ISSN 1932-7447. 125(18), p. 10034–10042. doi: 10.1021/acs.jpcc.1c00901. Full text in Research Archive

Guren, Marthe Grønlie; Sveinsson, Henrik Andersen; Hafreager, Anders; Jamtveit, Bjørn; Malthe-Sørenssen, Anders & Renard, Francois (2021). Molecular dynamics study of confined water in the periclase-brucite system under conditions of reaction-induced fracturing. *Geochimica et Cosmochimica Acta.* ISSN 0016-7037. 294, p. 13–27. doi: 10.1016/j.gca.2020.11.016. Full text in Research Archive

Cao, Pinqiang; Ning, Fulong; Wu, Jianyang; Cao, Boxiao; Li, Tianshu & Sveinsson, Henrik Andersen [Show all 9 contributors for this article] (2020). Mechanical Response of Nanocrystalline Ice-Contained Methane Hydrates: Key Role of Water Ice. *ACS Applied Materials & Interfaces.* ISSN 1944-8244. 12, p. 14016–14028. doi: 10.1021/acsami.0c00972.

Citing and references

Why citing matters

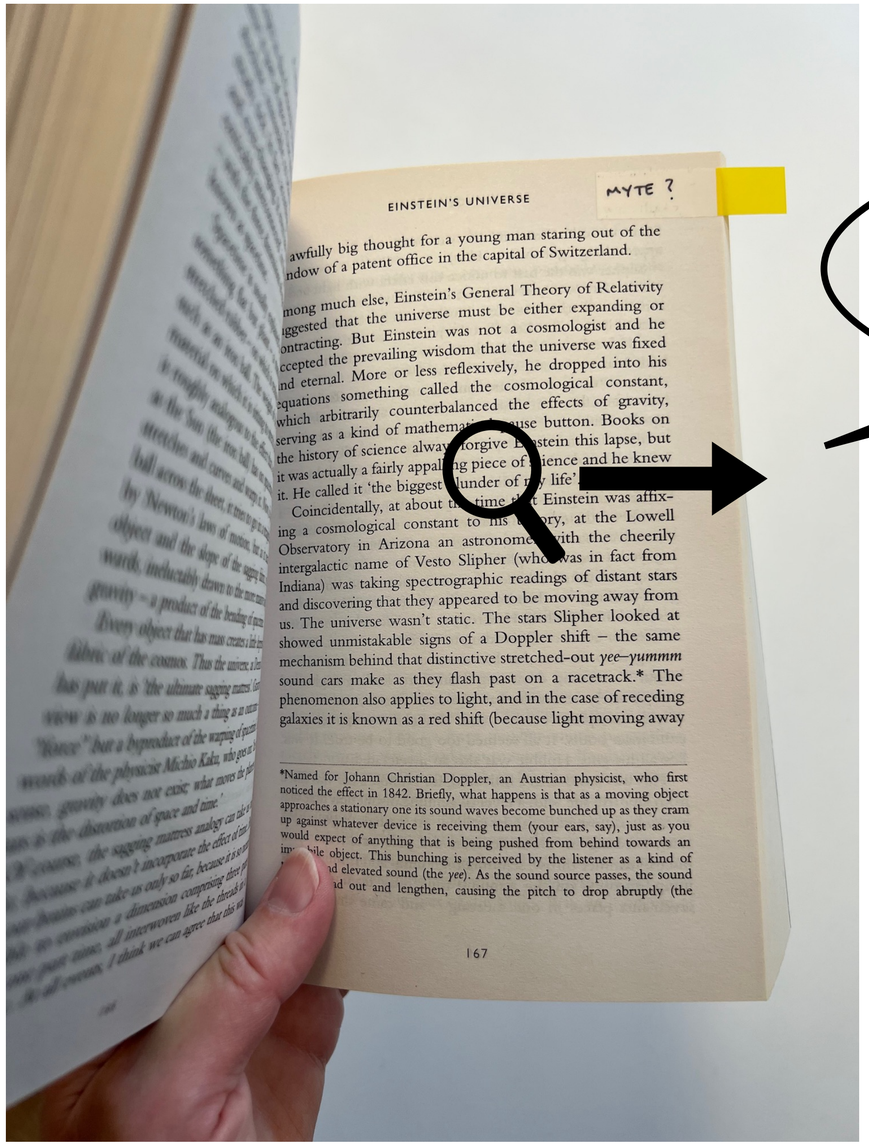


© NASA, ESA, CSA, and STScI *Rising Sun*, by Nicolas Pous in 1658

- Building science
- Isaac Newton (and others) standing on the shoulders of giants
- Citations that get stuck...

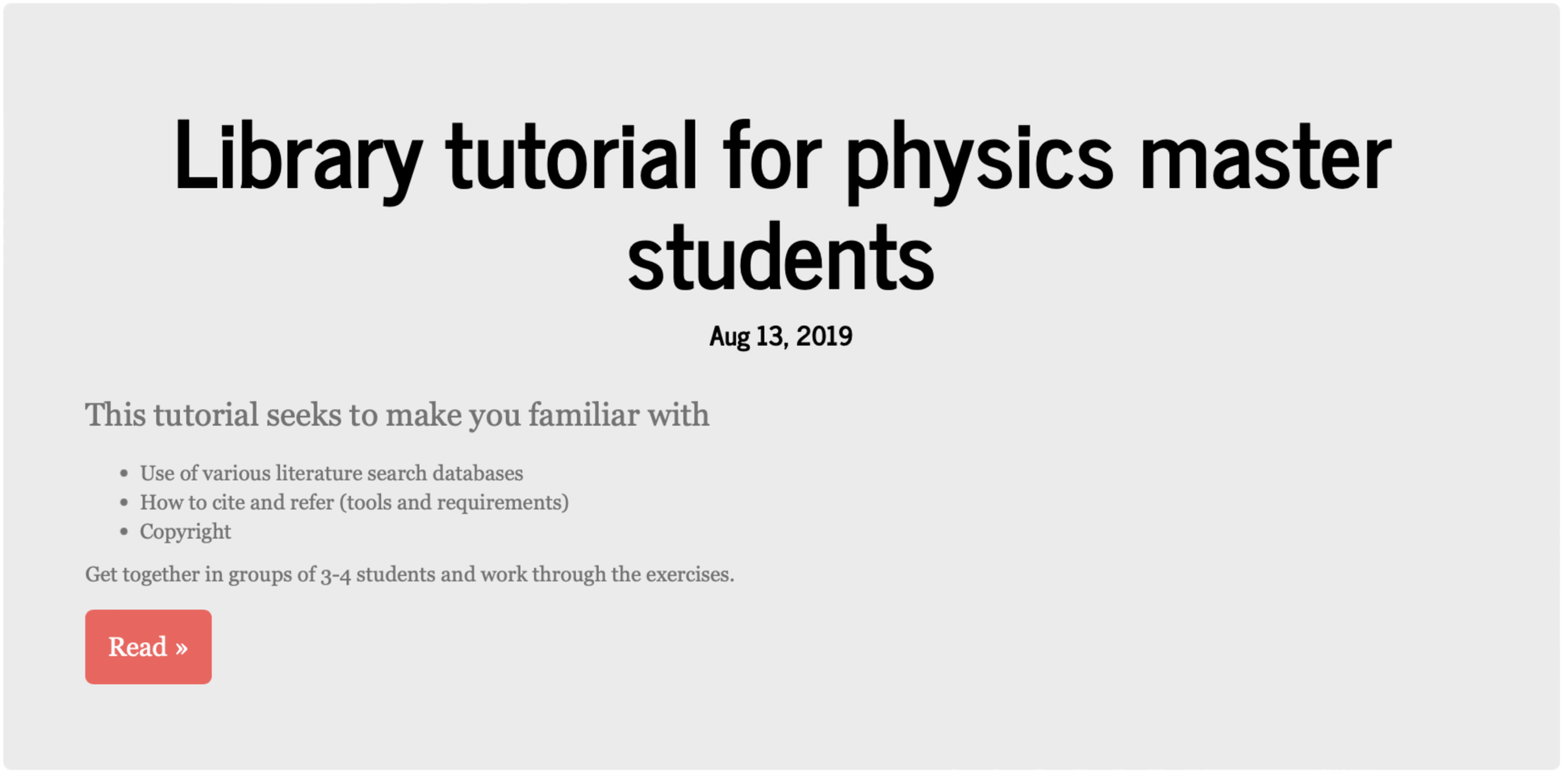
Λ

Why citing matters



He called it “the biggest blunder of my life”.

uio-library.github.io/physics-master-library-tutorial/main



Made by Henrik Sveinsson, post doc at CCSE/UiO

Using citations correctly ensures that:

(From Henrik Sveinsson's Library tutorial)

- the reader knows where to read more about something
- the reader can check your facts and verify your results
- you credit the right person for a discovery, claim, line of reasoning etc rather than pretending you made it up yourself

Avoid plagiarism!

Read:

uio.no/studier/eksamen/fusk

uio.no/english/studies/examinations/cheating

"It is considered as cheating not to state sources or mark quotes correctly."

NB: Also applies to re-using your own previous work! (self-plagiarism)



Who to ask

If you have a specific question (e.g. citing/searching/references)

- Check out UB web pages
- Search and write: www.sokogskriv.no
- Ask your supervisor, research group, co-students++
- Ask us at the library
- BUT: Don’t wait until the last minute!



The writing process

Looking forward to it?

- Important skill
  - Clear and precise: Be understood
  - Practice now (with e-mails etc!)
  - Have you actually written what you think you have?
- Fun!
- Takes time
- Start early!



Image by Michael Schwarzenberger from Pixabay

Useful links

Events and courses updated regularly

- Subject page for Physics: ub.uio.no/physics
- How to use the library (practical stuff): ub.uio.no/english/using
- ub.uio.no/english/subjects/naturalscience-technology/physics/
- ub.uio.no/english/writing-publishing/
- Search and write: sokogskriv.no/en/
- Note esp “Freestanding courses”: ub.uio.no/english/courses-events/courses
- Help with searching for literature: ub.uio.no/english/using/guidance/mednat

See you later!

Writing Science autumn 2022

@Realfagsbiblioteket