

Using Repository Data To Attract the Researchers' Attention and To Promote Research Outcomes – Publication Profiles@Chalmers

How can the library use the extensive and well-structured data contained in the institutional repository to attract the researchers attention and to promote the research outcome of the university?

Publication data is still usually presented in a traditional bibliographic style, in the form of publication lists and similar. But could this data also be used to present research activities and publications in a way that would get even more attention from users?

This question has been underlying the initiative Publication Profiles at Chalmers. We have used data, already available in the local publication database – Chalmers Publication Database (CPL) - and data mining techniques, in order to aggregate profiles on multiple levels, such as

- Individual researcher
- Departement/Research Group
- Subject Field
- Strategic Areas of Advance

Stay updated with the latest research

Most recent publications of a researcher, a department or within a subject area. Publications containing a fulltext available through open access are indicated.

Co-authorships

What collaborations are there? This could be enhanced further with the use of interactive maps that illustrate the geography of the research.

Departments

Track the affiliation record for the researcher within the university.

Publication frequency

Graphical visualisations like these, showing the number of publications for departments or individuals gives the user a quick overview of the productivity.

Bengt Nordén

Most recent publications

Short Oligonucleotides Aligned in Stretched Humid Matrix – Secondary DNA structure in Poly(Vinyl Alcohol) Environment

Piotr Hanczyc ; Björn Åkerman ; Bengt Nordén

Scientific journal article - peer reviewed, 2012

Ca²⁺ improves organization of single-stranded DNA bases in human Rad51 filament

Louise Fomander ; Karolin Frykholm ; Anna Reymer ; Bengt Nordén ; Masayuki Takahashi

Scientific journal article - peer reviewed, 2012

Sniffing out early reaction intermediates

Johan Johansson ; Bengt Nordén

Scientific journal article - non peer reviewed, 2012

Sequential One-Pot Ruthenium-Catalyzed Azide-Alkyne Cycloaddition from Primary Alkyl Halides and Sodium Azide

Johan Johansson ; Per Lincoln ; Bengt Nordén ; Nina Kahn

Scientific journal article - peer reviewed, 2011

[View all publications](#)

Departments

Department of Physical Chemistry (-2003)
Department of Chemical and Biological Engineering, Physical Chemistry
Department of Chemistry and Bioscience (-2004)
Department of Chemical and Biological Engineering

Co-authors

Per Lincoln, Masayuki Takahashi, Mikael Kubista, A. Graslund, Bo Albinsson, Pernilla Wittung, P. E. Nielsen, Eimer Tuite, Marcus Wilhelmsson, B. Jernström, Björn Åkerman, P. Nielsen, Seog K. Kim, Yukio Matsuoka, Elin Esbjörner, Mats Jonsson

OPEN ACCESS

This author publishes Open Access (Number of OA publications in CPL: 15)

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Nanoscience & Nanotechnology Materials
Science Basic Sciences
Energy Biochemistry Molecular biology Biophysical chemistry
Molecular biology Spectroscopy
Chemical physics Physics Kinetics
Oncology Biology Biological physics
Spectroscopy Chemical engineering
Chemistry Biochemistry Surface and colloid chemistry Organic chemistry
Physical organic chemistry Pharmaceutical pharmacology Physiology and pharmacology Cell biology Cell and molecular biology Semiconductor physics
Mesoscopic physics Analytical chemistry
Statistical mechanics Electronics
Photonics Biophysics Material physics with surface physics Optical physics

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Publication profiles@Chalmers
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Number of publications per year

Year	Number of publications
2012	16
2011	15
2010	11
2009	7
2008	12
2007	13
2006	4
2005	4
2004	6

Publication types

Publication type	Percentage
Scientific journal article - peer reviewed	92.9%
Chapter in monograph	~1.5%
Conference paper	~1.5%
Scientific journal article - non peer reviewed	~1.5%
Monograph	~1.5%
Conference paper	~1.5%
Monograph	~1.5%

Main sources

Journal of the American Chemical Society
Biochemistry
Journal of Physical Chemistry B
Biopolymers
Journal of Physical Chemistry
European Journal of Biochemistry
Journal of Biological Chemistry
Febs Letters
Journal of Molecular Biology

Open Access

We aggregate and highlight the number of publications available for free. This is especially important for Chalmers since we have an open access mandate from 2010.

Subjects

Tag clouds containing subject categories gives an appealing and comprehensible overview of the areas in which research is being conducted.

Social media

In what ways do users want to be able to share information from the publication database in social media? By integrating social network services, such as LinkedIn, we aim to provide good ways to promote the research of our university. RSS feeds provide an easy way for researchers and departments to include the latest outcome on their own platform, as well as for others to stay up to date with the latest research.

Publication types

Here we present comprehensive overviews of the publishing habits with regard to articles, conferences, monographs etc.

Main sources

Displays the journals or conferences most frequently used as channels for this researcher, department or subject area.

Chalmers Publications Library (CPL) has been indexing all relevant types of research publications: journal articles, conference papers, dissertations, licentiate theses, masters theses, reports etc., published at Chalmers University of Technology, Sweden, since 2004.

CPL is based on the locally developed and maintained open-source software, Scigloo.

