

Exploring the influence of your own publications: Dimensions

Dimensions from Digital Science is a comprehensive citation database which brings together journal papers, clinical trials, patents and policy documents in a wide range of research fields including science, medicine, engineering, social science, arts and humanities. Dimensions also provides a range of useful metrics including citations, altmetrics and grant information.

You can use Dimensions to explore a range of metrics relating to your own research.

Search for Dimensions via [StarPlus](#) or the Library's [Database A-Z list](#), or go directly to the Library's Dimensions databases page (<https://www.sheffield.ac.uk/library/cdfiles/dimensions>)

From here, click **Connect to Dimensions**.

The screenshot shows the 'Database discovery: D: dimensions' page. It includes a search bar with 'dimensions' entered and a 'Go' button. Below the search bar, there are filters for 'All Subjects' and 'All Types'. A list of subjects (A-Z) is visible, with 'D' highlighted. A message states '2 databases found for D: dimensions'. One result, 'Dimensions', is listed with a description: 'Dimensions from Digital Science is a linked research knowledge system that enables discovery of, and access to, research.' On the right, the 'The University Library' header is visible, along with a 'Quick links' sidebar containing 'Connect to Dimensions', 'Remote access', and 'Licence conditions'.

You'll then need to log in to Dimensions as follows:

- Click 'Log in'

The screenshot shows the Dimensions Analytics dashboard. The top navigation bar includes 'Support', 'Register', and 'Log in' (highlighted with an orange box). The main content area displays search results for 'e.g. plastic AND instrument'. It includes a table with columns for 'PUBLICATIONS', 'GRANTS', 'PATENTS', and 'CLINICAL TRIALS'. The 'PUBLICATIONS' column shows 101,235,569 results. Below the table, there are filters for 'PUBLICATION YEAR' (2019, 2018, 2017, 2016, 2015) and 'ANALYTICAL VIEWS'. The 'ANALYTICAL VIEWS' section shows a list of fields of research, including '1103 Clinical Sciences' (5,379,190), '0601 Biochemistry and Cell...' (2,970,939), '1117 Public Health and He...' (2,929,914), '0306 Physical Chemistry (I...' (2,766,022), and '0912 Materials Engineering' (2,489,100).

- Enter your full University of Sheffield email address (i.e. [name]@sheffield.ac.uk).
- Click 'Next'
- If this is the first time you have used Dimensions, you may be sent an email with a verification code and a link to set up an account

The screenshot shows the Dimensions login form. It features the Dimensions logo at the top. Below the logo, there is a text input field labeled 'Enter your email' with a placeholder 'Email'. A 'Next' button is located to the right of the input field. At the bottom of the form, there is a link 'Log in here >'.

You can use Dimensions to search the full-text of thousands of research papers, conference proceedings, clinical trials, patents, books, policy documents and more. To explore the metrics available for your own publications, type your name into the search box at the top of the page:

Dimensions

Search: **frances arnold**

Search in: ☒ Full data ☐ Title and abstract ☐ DOI

Sort by: Publication Date

Title, Author(s), Bibliographic reference - [About the metrics](#)

[Boron-incorporating hemagglutinating virus of Japan envelope \(HVJ-E\) nanomaterial in](#)

Dimensions will now bring up a list of any papers matching your search. At this stage some of the papers in your search results will be yours, but others may be by other authors with the same name. Find a paper you know is yours, and click on the title. Clicking on your name in the list of authors will bring up your Dimensions author profile.

frances arnold
Free text in full data

PUBLICATIONS 496,120 GRANTS 77 PATENTS 3,665 CLINICAL TRIALS 114 POLICY DOCUMENTS 2,523

Sort by: Relevance

Title, Author(s), Bibliographic reference - [About the metrics](#)

[Enantioselective Total Synthesis of Nigelladine A via Late-Stage C-H Oxidation Enabled by an Engineered P450 Enzyme.](#)

Steven A Loskot, David K Romney, Frances H Arnold, Brian M Stoltz
2017, Journal of the American Chemical Society - Article

Citations 24 Altmetric 25 Open Access Add to Library

frances arnold
Free text in full data

Publication - Article

Enantioselective Total Synthesis of Nigelladine Oxidation Enabled by an Engineered P450 Enzyme

Journal of the American Chemical Society, 139(30), 10196-10199, 2017
<https://doi.org/10.1021/jacs.7b05196>

Authors

Steven A Loskot - California Institute of Technology
David K Romney - California Institute of Technology
[Frances H Arnold - California Institute of Technology](#)
1 more

This will list all publications that Dimensions thinks are associated with you, plus a range of metrics relating to that publication set. Please be aware that author disambiguation in Dimensions is not infallible. For a more accurate overview of your publications and associated metrics, visit MyPublications via Muse (<https://www.sheffield.ac.uk/rs/mypublications>)

Frances Hamilton Arnold
California Institute of Technology - Pasadena, United States
[View Profile](#)

Overview Experience & Education

Publications	Datasets	Grants	Patents	Clinical Trials
428	17	38	184	0

Citations 32,691

The information on this profile has been aggregated algorithmically from several different sources (including publication and public ORCID data).

PUBLICATIONS	DATASETS	GRANTS	PATENTS	CLINICAL TRIALS
400	17	38	184	0

POLICY DOCUMENTS
selected filter not applicable

☒ Show abstract Sort by: Relevance

Title, Author(s), Bibliographic reference -

ANALYTICAL VIEWS

RESEARCH CATEGORIES

OVERVIEW

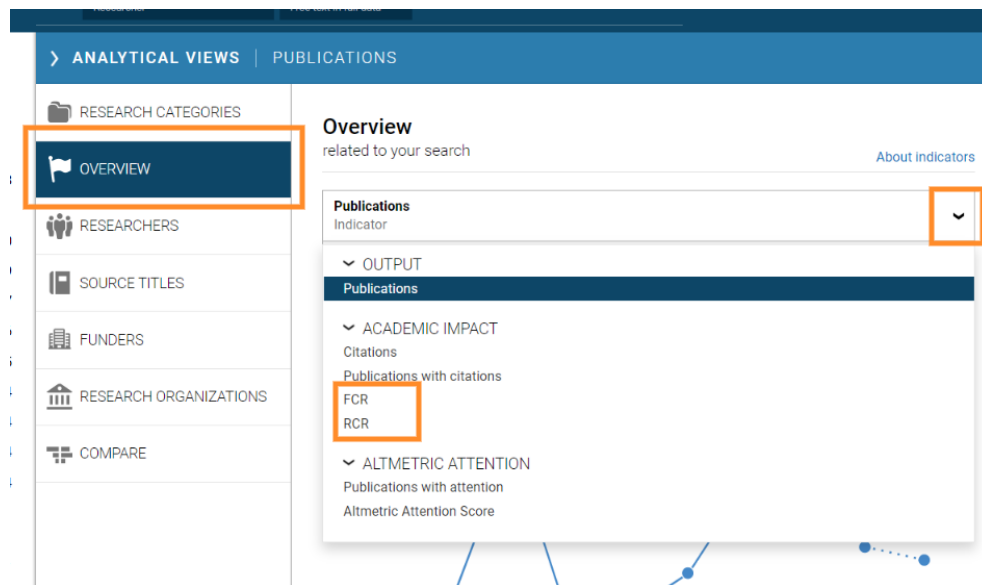
Citations 31 K Citations (Mean) 78.68

Publications (total)

RESEARCHERS

To the right of your publication set under Analytical Views, you should see the research categories, researchers (co-authors), source titles (journals), funders and organisations associated with your publications, as well as the fields of research your work has been classed under.

Overview provides a graph of your publications by year. By default this graph shows the number of publications, but you can change the drop down menu to show a range of other metrics.



Two of the most useful metrics available in Dimensions are:

- **FCR mean:** FCR Mean is the average Field Citation Ratio (FCR), which indicates the relative citation performance of all your articles, when compared to similarly aged articles in similar fields of research. The average calculated is the geometric mean, which reduces the effect of outlier publications with extreme citation rates, making it a reliable, fair metric to use when assessing research.
- **RCR:** The Relative Citation Ratio (RCR) is a citation-based measure of scientific influence of a publication, but is only calculated for research that is indexed in PubMed, so isn't appropriate for most research outside the life sciences. It is calculated as the citations of a paper, normalized to the citations received by NIH-funded publications in the same area of research and year.