Services to Support Measuring Research Impact at UCD Library

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Research Impact Support

Publishing Strategy → Open Access
Author Identity & attribution → ORCID
Visibility & Promotion → Open Access → Social Media
Tracking & Measuring Impact
Typical Queries

• How can I increase my research impact?

• How can I demonstrate my research impact for a funding application/promotion etc.?

• How can I track citations to my publications?

• Citations don’t represent my impact very well – what can I do?
Use Cases

• Funding Applications
• Promotion and Recruitment
• Quality Reviews
• Research strategy / Strategic planning
• Identify publication and communication channels that work/don’t work in helping achieve your impact goals
Start with your Impact Goals

1. What type of impact are you trying to achieve?

2. Who will benefit from your research and how will they benefit?

3. How can you measure this?

4. How can you capture and provide evidence of this?
Author and Article Impact

Traditional Bibliometrics

Scopus / SciVal (Groups)
Web of Science
Google Scholar

• Citations / citations per publication
• Benchmark performance within the discipline to give context
• Use alongside other indicators/narrative to provide a fuller picture
SciVal (Scopus data)

University College Dublin

Overall research performance

Scholarly Output: 20,035 ▲

Authors: 9,455 ▲

Citation Count: 216,394

Citations per Publication: 10.8

h5-index: 114

Field-Weighted Citation Impact: 1.72

Pie Chart:
- Computer Science (9.8%)
- Mathematics (3.1%)
- Physics and Astronomy (6.8%)
- Chemistry (3.5%)
- Materials Science (2.7%)
- Engineering (8.0%)
- Environmental Science (3.3%)
- Earth and Planetary Sciences (2.7%)
- Agricultural and Biological Sciences (8.8%)
- Biochemistry, Genetics and Molecular Biology (8.3%)
- Immunology and Microbiology (2.5%)
- Social Sciences (6.9%)
- Arts and Humanities (3.4%)
- Other (17.6%)
Michelle Dalton
University College Dublin
Verified email at ucd.ie
Bibliometrics  Elearning  Library & Information Science  Information literacy

Cited by

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Google Scholar Profiles

Additional metrics from Publish or Perish
Alternative Metrics

Altmetric.com bookmarklet, Scopus PlumX metrics, Google Analytics for web content etc.

Can provide contextual and qualitative information e.g. who is talking about your research, how they are using it, where they are based etc.

Works well for high “impact” articles to help tell your “impact story” across a range of dimensions
Alternative Metrics

- Downloads
- Books reviews, Opensyllabus.net, WorldCat
- Mentions in Policy Documents
- Media mentions
- Social media mentions
- Inclusion in practitioner materials/resources
- Exhibitions/events, educational use etc.
- Evidence of wider public engagement
Welcome to Research Repository UCD

Research Repository UCD is a digital collection of open access scholarly research publications from University College Dublin. Research Repository UCD collects, preserves and makes freely available publications including peer-reviewed articles, working papers and conference papers created by UCD researchers. Where material has already been published it is made available subject to the open-access policies of the original publishers. This service is maintained by UCD Library.

Challenges to social order and Irish identity? Youth culture in the sixties

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Title: Challenges to social order and Irish identity? Youth culture in the sixties

Authors: Holohan, Carole

Permanent link: http://hdl.handle.net/10197/4547
Alternative Metrics

Provide a narrative alongside the metrics

The toxic truth about sugar

Robert H. Lustig, Laura A. Schmidt & Claire D. Brindis

Nature 482, 27–29(2012) | Cite this article

23k Accesses | 360 Citations | 1531 Altmetric | Metrics
Wide range of news sources from different countries → international impact

Açúcares naturais x açúcares adicionados: Como nosso corpo sabe a diferença?
MSN, 06 Sep 2019
Não é segredo que a dieta dos americanos contém açúcar adicionado em demasia, e isso não é nada bom – além do ganho de peso e...

Natural sugars vs. added sugars: Do our bodies know the difference?
MSN, 27 Aug 2019
It’s no secret that the American diet is filled with way too much added sugar and it’s not doing us any favors.

Yahoo!
Your Body Knows When You're Eating Natural vs. Added Sugar. Here's How.
Yahoo!, 21 Aug 2019
It’s no secret that the American diet is filled with, and it’s not doing us any favors.

BBC News
BBC - Future - Our pets: the key to the obesity epidemic
BBC News, 16 Jan 2019
Until last year, Borris would never turn down a pork chop, cream during the summer and loved a Sunday...

Medical Health News
Here's How A Colorado Dentist Became Big Sugar's Worst Nightmare
Medical Health News, 26 Dec 2018
Ben Kothe and Kate Bubacz / BuzzFeed News The cardboard box looked unassuming, but as soon as Cristin Kearns opened it, she...

Examiner
California gives new meaning to 'nanny state' regulations on kids' meals
Washington Examiner, 13 Sep 2018
It looks like California takes the term "nanny state" a bit too far, fighting childhood obesity, a bill in...

Mic
Some Americans think marijuana is harmful. Way more say the same about sugar.
Mic, 18 Apr 2017
When it comes to consuming potentially harmful substances, it appears Americans would rather spark a joint than unwrap another...

Augsburger Allgemeine
Mein Leben ohne Zucker
Augsburger Allgemeine, 10 Apr 2017
Der süße Stoff macht glücklich und ist scheinbar überall. M. Zucker noch Spaß? Josiena Dießenbacher hat den...

Business Insider Australia
An Australian biotech has applied to patent the world’s first low-Gi sugar
Business Insider Australia, 09 Jan 2017
Holista CollTech, a Perth-based biotech, has filed a patent for the world’s first low-Gi sugar made out of all-natural....

The Guardian
Sugar is the ‘alcohol of the child’, yet we let breakfast table | Robert Lustig
The Guardian, 04 Jan 2017
Breakfast is considered by most nutrition experts, including Lustig, to be the most important meal of the day.
Journal metrics

• Can be a very broad (and very limited) indicator of a journal’s general visibility

• Never use journal metrics to evaluate an individual researchers or an individual article

• There are many articles published in “high impact” journals that receive few or even no citations

• Check metrics like % of articles not cited as well as rankings

• Key: Ensure researchers do not use journal rankings or metrics to demonstrate their research impact
Responsible Metrics

- SF Declaration on Research Assessment (DORA): [https://sfdora.org/](https://sfdora.org/)

- Don’t use metrics in isolation

- Use a selection of metrics to provide a fuller, balanced picture

- Always provide context

- Ensure you understand the limitations of metrics – coverage, what they measure, what they don’t etc.
Building & Developing a Service

• Identify opportunities to pilot/trial a service e.g. a funding application

• Identify a champion – an individual or a school

• Explore successes and challenges

• Consider how the service could be rolled out in a sustainable and scalable way
Levels of Service

Consider sustainability of the service model:

- Education and training to inform and empower users to support themselves
- One to one advice / consultations (be aware of potential for growth over time)
- Detailed and in-depth support for complex projects (may be time consuming)
Key Success Factors

• Understanding of the needs of researchers, and where measuring impact “fits”

• Collaboration with stakeholders – e.g. UCD Research Office, Liaison Librarian team

• Building relationships, trust and credibility with researchers

• Flexibility and ability to adapt to a rapidly changing environment
Key Skills

• Understanding and interpreting statistics

• Communication and relationship skills

• Ability to explain complex concepts clearly and in simple terms

• Training and delivering workshops

• Keeping up to date
Challenges

• Institutional and/or cultural factors e.g. rewards & incentives

• Researchers are time-poor

• Differences across disciplines

• Openly/freely available tools are limited

• Indicators have lots of limitations :-( 