Love and Metadata: CrossRef at the Hub of Scholarly Communications

Everything is interesting for 5 minutes. After that, things can get dicey.

—Bert Crenka, AS220

Carol Anne Meyer, CrossRef
STM Spring Conference
Flash Session
1 May 2014
The Hub of Scholarly Communications

Authors

Researchers

Funders

Institutions

Discovery Services

Publishers

Libraries

Repositories
METADATA IS A LOVE NOTE TO THE FUTURE

♥ Bibliographic
♥ Publication Record
♥ Author
♥ Funders
♥ References
♥ Licensing
♥ Abstracts
Other License Data

Open Access Metadata and Indicators

**Latest News:** The Working Group published its draft recommendations for public comment from January 6-February 4, 2014. The comment period is now closed and the Working Group is reviewing the comments for responses and potential modification of the recommendations.

This project will develop standardized bibliographic metadata and visual indicators to describe the accessibility of journal articles as well as potentially describe how "open" the item is. Many offerings are available from publishers under the banner of Open Access (OA), Increased Access, Public Access, or other descriptions; the terms offered vary between publishers and, in some
The FundRef Workflow

1. FundRef Registry provides standard funder names to publisher manuscript tracking systems.
2. Publishers ask authors to select correct funders and provide grant numbers upon manuscript submission.
3. Funder information transferred to publisher production systems.
4. Publishers send collected funder information in their CrossRef deposits.
5. Funders and other stakeholders query FundRef API:
   a. Given funder & grant number, return DOIs of publications funded
   b. Given DOI, return funder identifiers and grant numbers associated with DOI
6. Funding information displayed on publisher PDFs and websites using standard CrossMark UI.

Production Registry and FundRef data will be openly available under CC0 waiver.
CrossRef APIs for machines and integration

Summary

You can use a new CrossRef API to query all sorts of interesting things about who funded the research behind the content CrossRef members publish.
SHared Access Research Ecosystem (SHARE)
a joint project of ARL, AAU, APLU

Association of Research Libraries

Clearinghouse for the Open Research of the United States

Association of Public and Land-Grant Universities
**Crossref Metadata Search**

Search Crossref's comprehensive metadata on journal articles, conference proceedings and monographs. Easily add search results to your ORCID profile.

**DataCite search and index**

Search the DataCite Metadata Store to find your research datasets, images and other works. Then claim them by adding them to your ORCID profile at the click of a button.

**Europe PubMed Central**

Europe PubMed Central (Europe PMC) offers this tool to enable you to link anything in Europe PMC to your ORCID. Europe PMC contains all of PubMed, 500K records from Agricola that cannot be
Journal Article The Global State of Psychoceramics Research
Published 3 Feb 2013 in Annals of Psychoceramics B volume 2013 on pages 1 to 8
Research funded by National Science Foundation | Basic Energy Sciences, Office of Science, U.S. Department of Energy
Authors: Joseph Carberry
http://dx.doi.org/10.5555/515151
Examples of CrossRef Metadata

Search by grant number

Near-field enhanced ultraviolet resonance Raman spectroscopy using aluminum bow-tie nano-antenna
Published 2012 in Applied Physics Letters volume 101 issue 11 on page 113116
Research funded by National Institutes of Health (R21CA132075)

Search by CrossRef DOI

Characterization of the transport topology in patient-specific abdominal aortic aneurysm models
Published 2012 in Physics of Fluids volume 24 issue 8 on page 083301
Research funded by National Institutes of Health (5R21HL108272)
Optimization of the indications for allogeneic stem cell transplantation in Acute Myeloid Leukemia based on interactive diagnostic strategies

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Summary

The indications for allogeneic stem cell transplantation are a challenge due to the clinical and genetic heterogeneity of the disease. The aim of our study was to evaluate the potential of an interactive diagnostic system for the evaluation of the indications for stem cell transplantation in acute myeloid leukemia. The system was based on a set of diagnostic parameters that were defined by a panel of experts. The system was tested in a retrospective analysis of 100 patients with acute myeloid leukemia. The results showed that the interactive diagnostic system was able to correctly identify patients who were suitable for stem cell transplantation in 90% of cases. The system was also able to identify patients who were not suitable for stem cell transplantation in 80% of cases.

Correction dated 2006-12-1:
http://dx.doi.org/10.10117/S0907444906044246

This document is maintained by the publisher.

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CrossRef Cited-by Linking

Cited by CrossRef


♥ Duplicate detection
♥ Helps publishers improve quality
♥ Made possible by, yep, CrossRef DOIs.
CrossRef Metadata Services provides all metadata to third parties like...

- EasyBib
- Ex Libris
- Microsoft Academic Search
- Mendeley
- PubGet
- Proquest
- WorldCat
- and many more
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Love is a warm puppy?

<metadata>
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<DNA registry>
Time’s Up!

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I ❤️ MetaData