Love and Metadata:

CrossRef at the Hub of

Scholarly Communications

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

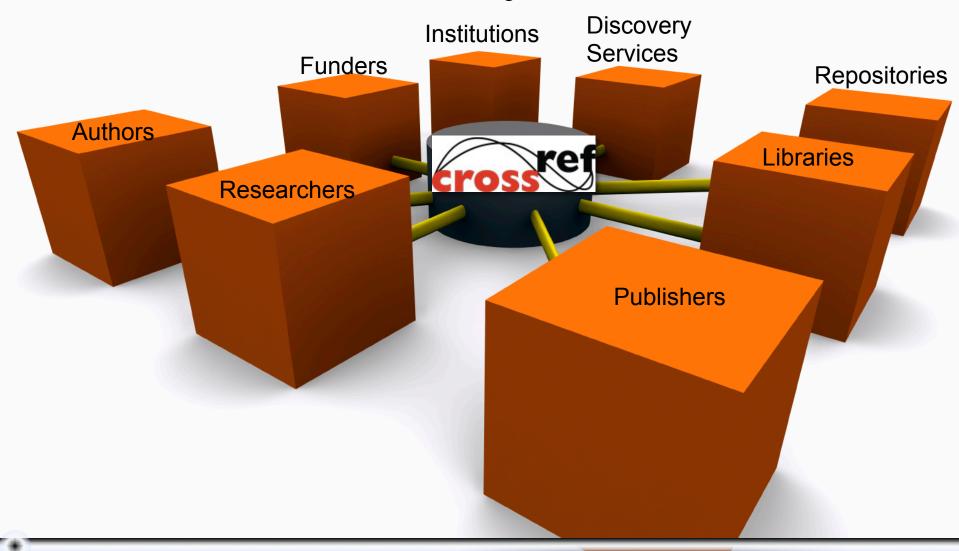
—Bert Crenka, AS220

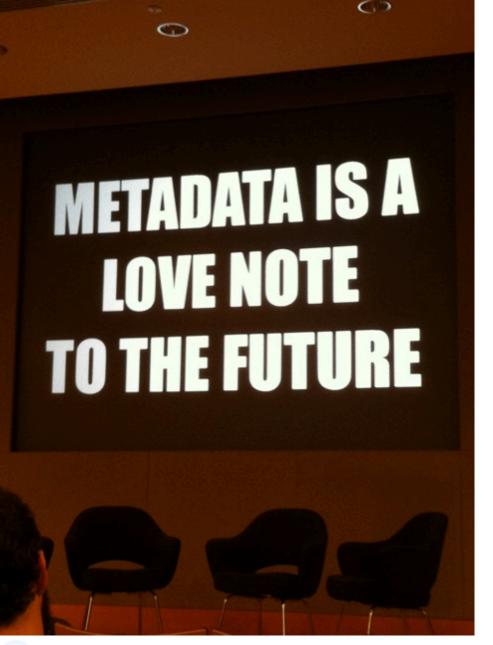




Carol Anne Meyer, CrossRef STM Spring Conference Flash Session 1 May 2014

The Hub of Scholarly Communications

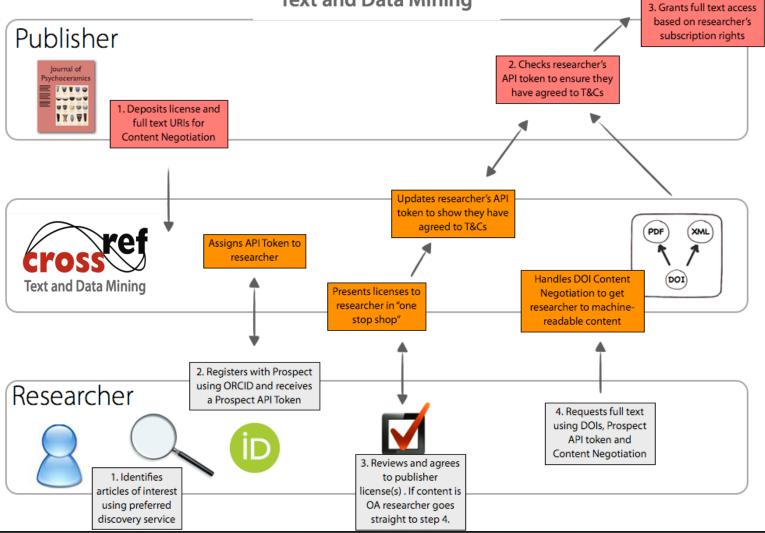






- Bibliographic
- Publication Record
- Author
- Funders
- References
- Licensing
- Abstracts





Other License Data Cro





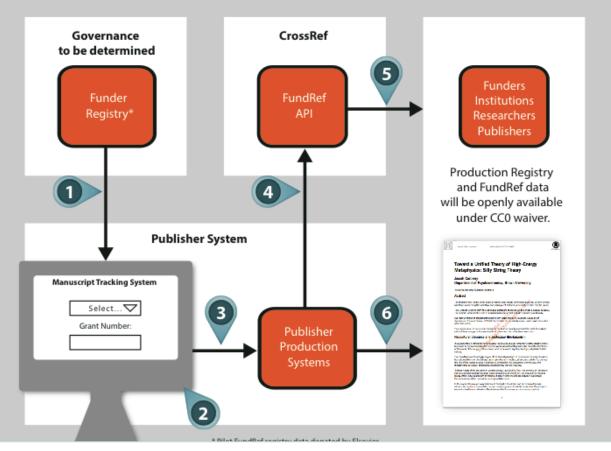
This project will develop standardized bibliographic metadata and visual indicators to describe the accessibility of journal articles as well as potentially describe how "open" the item is. Many offerings are available from publishers under the banner of Open Access (OA), Increased Access, Public Access,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





The fund Workflow

- FundRef Registry provides standard funder names to publisher manuscript tracking systems.
- 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
- Funding information displayed on publisher PDFs and websites using standard CrossMark UI.







fundref search

QNIH

National Institutes of Health United States

NIHR Health Services and Delivery Research

NIH Office of the Director United States

National Institute of Mental Health United States

NIH Blueprint for Neuroscience Research Unit

NIH Clinical Center United States

National Institute for Health Research Traine

fundref

 Include funding from suborganizations

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Administration for Children and Families

Centers for Disease Control and Prevention

Office of Public Health and Science

The Office of the National Coordinator for Health Information Technology

U.S. Administration on Aging

Agency for Healthcare Research and Quality

Centers for Medicare & Medicaid Services

National Institutes of Health

Human Development

Office of AIDS Research

Office of Disease Prevention

Office of Strategic Coordination

National Institute of Biomedical Imaging
and Bioengineering

U.S. National Library of Medicine
National Institute of Child Health and

Q National Institutes of Health

SORT BY: RELEVANCE PUBLICATION YEAR

₫ DOWNLOAD AS CSV

PAGE 1 OF 269 RESULTS

Metadata Search D Sign in with ORCID

Heat-Shock Proteins in Autoimmunity

Journal Article published 2013 in Autoimmune Diseases volume 2013 on pages 1 to 3

Research funded by National Institutes of Health

Authors: Kamal D. Moudgil, Stephen J. Thompson, Fabiana Geraci, Boel De Paepe, Yehuda Shoenfeld

Force-dependent mobility and entropic rectification in tubes of periodically varying geometry

Journal Article published 2012 in The Journal of Chemical Physics volume 136 issue 21 on page 214110

Research funded by National Institutes of Health (10-03-00393)

Authors: Leonardo Dagdug, Alexander M. Berezhkovskii, Yurii A. Makhnovskii, Vladimir Yu. Zitserman, Sergey M. Bezrukov

Elastic network normal modes provide a basis for protein structure refinement

Journal Article published 2012 in The Journal of Chemical Physics volume 136 issue 19 on page 195101

Research funded by National Institutes of Health (R01GM072014, R01GM073095, R01GM081680, R01GM081680-S1)

Authors: Pawel Gniewek, Andrzej Kolinski, Robert L. Jernigan, Andrzej Kloczkowski

Tunable optical tweezers for wavelength-dependent measurements







Researchers just wanna have funds



photo credit

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.

CrossRef APIs for machines and integration







SHared Access Research Ecosystem (SHARE)
a joint project of ARL, AAU, APLU



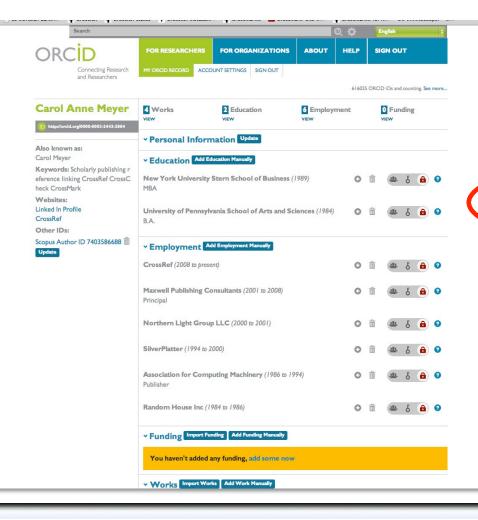












IMPORT WORKS

X

ORCID has been working with many member organizations to make it easy to connect your ORCID iD, and import information from their records. Choose one of the imports wizards to get started.

Australian National Data Service (ANDS) Registry

Import your research datasets into ORCID from Australian National Data Service (ANDS) and Research Data Australia (RDA). ANDS is partnering with Australian research institutions and data producing agencies to improve discovery and reusability of research data across many research domains from earth selections.

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

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















Science, U.S.

☐ CrossRef (1)

SOURCE

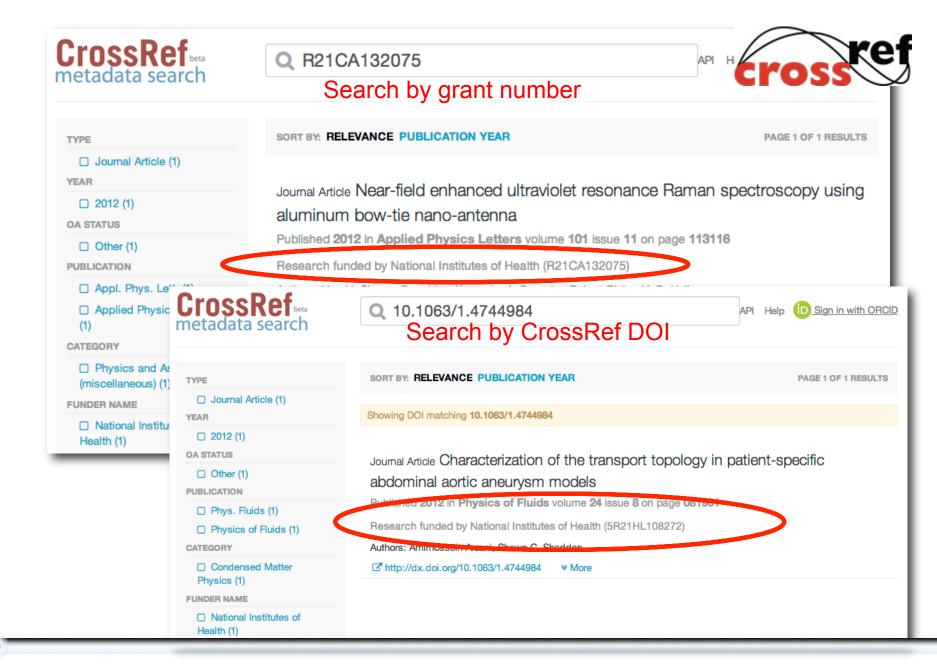
Department of Energy (1)

National Science
Foundation (1)

Q 0000-0002-1825-0097

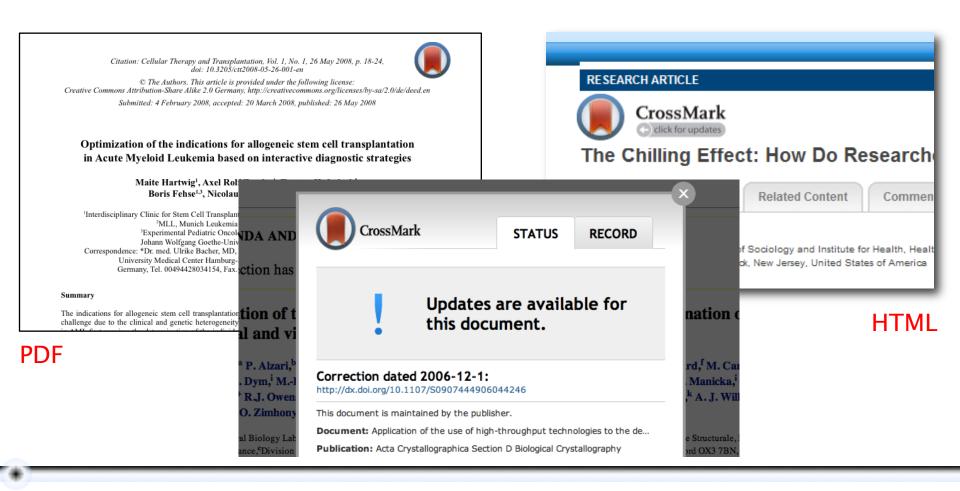
D Sign in with ORCID

Showing results for ORCID matching 0000-0002-1825-0097 TYPE ☐ Journal Article (1) YEAR SORT BY: RELEVANCE PUBLICATION YEAR PAGE 1 OF 1 RESULTS 2013 (1) **OA STATUS** □ Other (1) Journal Article The Global State of Psychoceramics Research PUBLICATION Published 3 Feb 2013 in Annals of F 2013 on pages 1 to 8 ☐ Annals Psychoceramics B (1) esearch funded by National Science Foundation | Basic Energy Sciences, Office of Science, U.S. ☐ Annals of Department of Energy Psychoceramics B (1) Authors: Jusiah Carberry CATEGORY **FUNDER NAME** □ Basic Energy Sciences, Office of















STATUS

RECORD

CrossMark



Funding for this research was provided by:

U.S. Department of Energy

DE-AC05-06OR23100, DEFC02-08ER54969, DEAC02-09CH11466

Publication History

Received

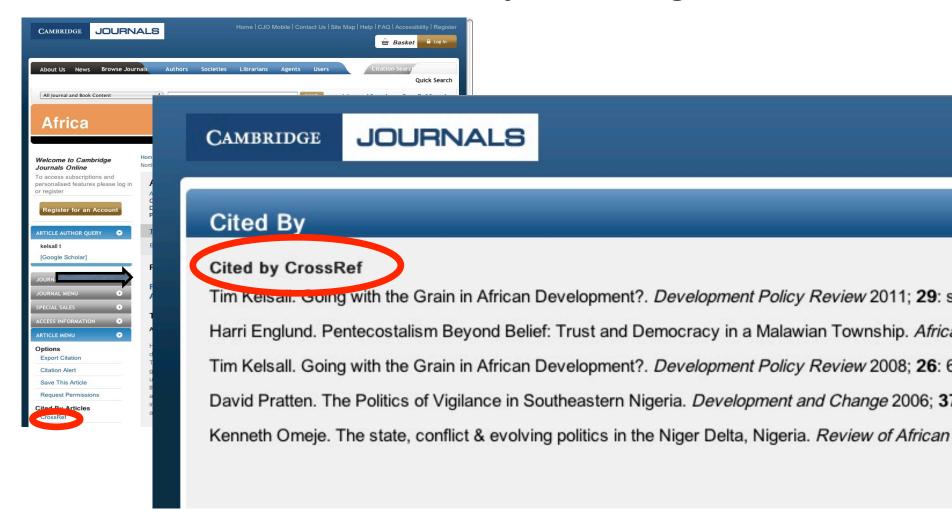
2012-05-25

Accepted

2012-08-06

CrossRef Cited-by Linking









- Duplicate detection
- Helps publishers improve quality
- Made possible by, yep, CrossRef DOIs.

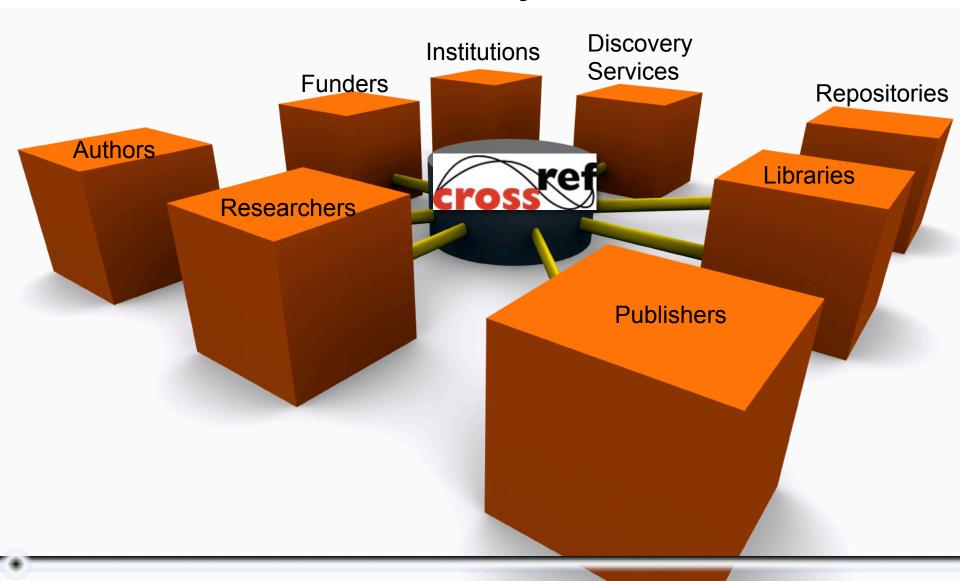
CrossRef Metadata Services provides all metadata to third parties like...





- EasyBib
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- Microsoft Academic Search
- Mendeley
- PubGet
- Proquest
- WorldCat
- and many more

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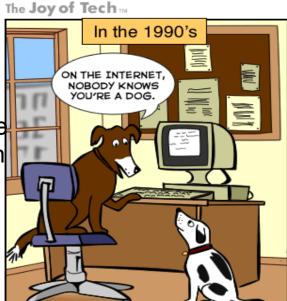




Love is a warm puppy?

- <metadata>
- <feeling>love
- <name>Spot
- <temperature>warm
- <age>puppy
- <color>brown
-

 d>lab
- <gender>neutered female
- <funded_by>Carol & Alan
- <related to>
- Black and White Spotted
- Beagle
- <AKC number>
- <DNA registry>





Time's Up!

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