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Workshop in Shanghai, China

April 2015

Ed Pentz & Pippa Smart



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Optional Services

3: Cited-by Linking





CrossRef Cited-by Linking



The problem

- Publishers:
 - Who is citing your content?
- Readers:
 - What articles have cited the content that you are reading?

The solution: CrossRef Cited-by Linking

- Free service to members
- Provides dynamically-generated list of who is citing your content
- Your obligation: you must submit your reference lists:
 1. Supply metadata for article references
(i.e. what your publications are citing)
 - Part of article metadata submitted with deposit
 2. Query CrossRef to see who is citing your content
 3. Display Cited-by References on your content



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The Japanese Journal of Pharmacology
Vol. 78 (1998) , No. 2 pp.113-145

[\[Image PDF \(5021K\)\]](#) [\[References\]](#) [\[Citing Article\]](#)



Purinergic Signalling: Pathophysiological Roles

[Maria P. Abbracchio](#)¹⁾ and [Geoffrey Burnstock](#)²⁾

1) Institute of Pharmacological Sciences, University of Milan

2) Autonomic Neuroscience Institute, Royal Free Hospital School of Medicine

ABSTRACT: In this review, after a summary of the history and current status of the receptors involved in purinergic signalling, we focus on the distribution and physiological roles of purines and pyrimidines in both short-term events such as neurotransmission, exocrine and endocrine secretion and regulation of immune cell



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David Pratten. The Politics of Vigilance in Southeastern Nigeria. *Development and Change* 2006; **37**: 707. [\[CrossRef\]](#)

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Going with the Grain in African Development?

Tim Kelsall

Issue

Article first published online: 3 OCT 2008

DOI: 10.1111/j.1467-7679.2008.00427.x

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Development Policy Review
Volume 26, Issue 6, pages
627–655, November 2008

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- David Booth, Turning Governance Upside Down, *Development Policy Review*, 2011, **29**, **1**, [Abstract](#) | [PDF\(180K\)](#) | [References](#)
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Author F Oesterhelt, M Rief and H E Gaub

Affiliations Ludwig-Maximilians-Universität München, Lehrstuhl für Angewandte Physik, Amalienstraße 54, 80799 München, Germany

E-mail Filipp.Oesterhelt@physik.uni-muenchen.de

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Issue Volume 1, 1998 - 1999

Citation F Oesterhelt *et al* 1999 *New J. Phys.* 1 6
doi: 10.1088/1367-2630/1/1/006

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- [1] The possible roles of water in the prebiotic chemical evolution of DNA
Shuxun Cui *Physical Chemistry Chemical Physics* 2010 12 10147
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RESEARCH ARTICLE



The Transcriptome of the Intraerythrocytic Developmental Cycle of *Plasmodium falciparum*

Article

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Zbynek Bozdech^{1#}, Manuel Llinás^{1#}, Brian Lee Pulliam¹,

Edith D. Wong¹, Jingchun Zhu², Joseph L. DeRisi^{1*}

¹ Department of Biochemistry and Biophysics, University of California, San Francisco, San Francisco, California, United States of America, ² Department of Biological and Medical Informatics, University of California, San Francisco, San Francisco, California, United States of America

Abstract [Top](#)

Plasmodium falciparum is the causative agent of the most burdensome form of human malaria, affecting 200–300 million individuals per year worldwide. The recently sequenced genome of *P. falciparum* revealed over 5,400 genes, of which 60% encode proteins

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Wilson R

BioEssays 2004 26(4): 339. doi:10.1002/bies.20025

2. [DATE analysis: A general theory of biological change applied to microarray data](#)

Rasnick D

Biotechnology Progress 2009 25(5): 1275. doi:10.1002/btpr.239

3. [Plasmodium falciparum myosins: Transcription and translation during asexual parasite development](#)

Chaparro-Olaya J, Margos G, Coles DJ, Dluzewski AR, Mitchell GH, Wasserman MM, Pinder JC

Cell Motility and the Cytoskeleton 2005 60(4): 200. doi:10.1002/cm.20055

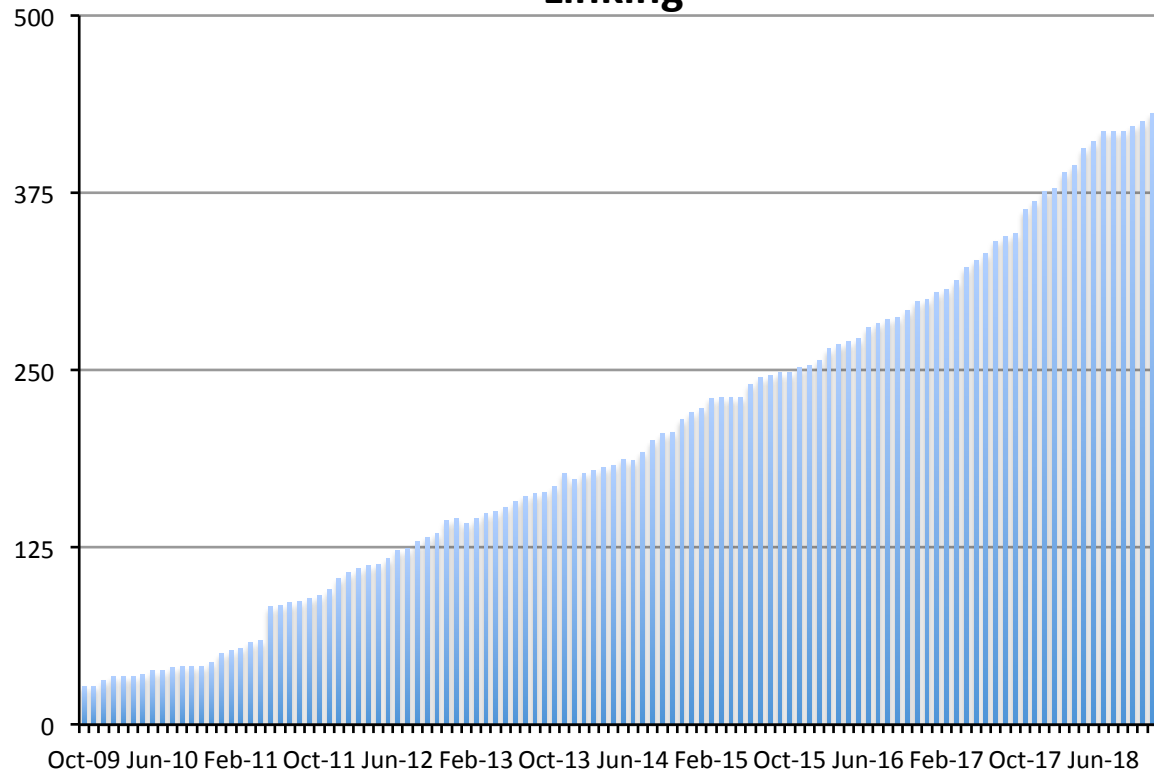
4. [Monitoring Plasmodium falciparum growth and development by UV flow cytometry using an optimized Hoechst-thiazole orange staining strategy](#)

Grimberg BT, Erickson JJ, Sramkoski RM, Jacobberger JW, Zimmerman PA

Cytometry Part A 2008 73a(6): 546. doi:10.1002/cyto.a.20541

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Number of Publishers Participating in Cited-by Linking



More than 400 CrossRef Members



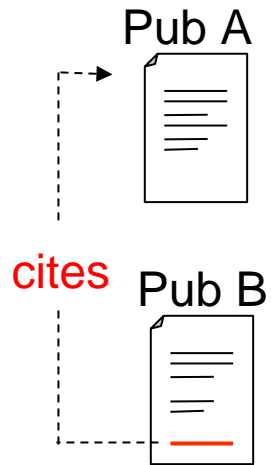
CrossRef Cited-by Linking statistics

Number of Articles with References Deposited	23,045,749
<i>Number of Cited-By Links</i>	<i>433,080,908</i>
<i>Number of CrossRef DOIs with at least one Cited-by link</i>	<i>28,980,549</i>
<i>% of CrossRef DOIs with at least one Cited-by link</i>	<i>40%</i>



How does it work?

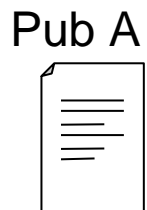
Scenario #1



① Pub A deposits DOI #1



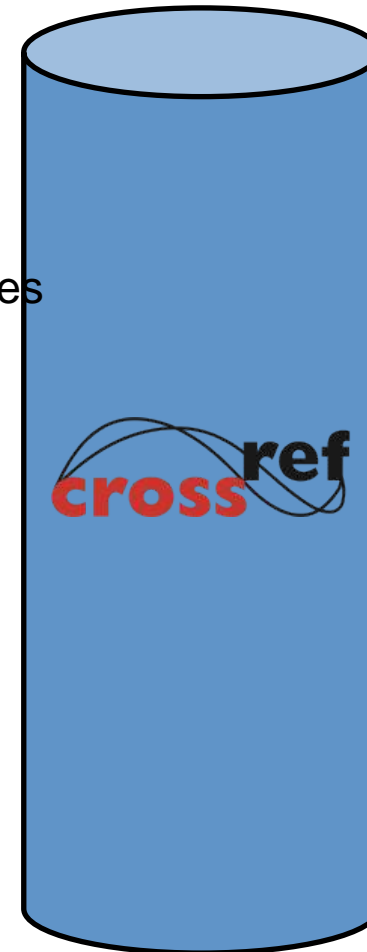
② Pub B deposits DOI #2 with references
—one cites DOI #1



③ Pub A queries CrossRef
“Who cites DOI #1?”

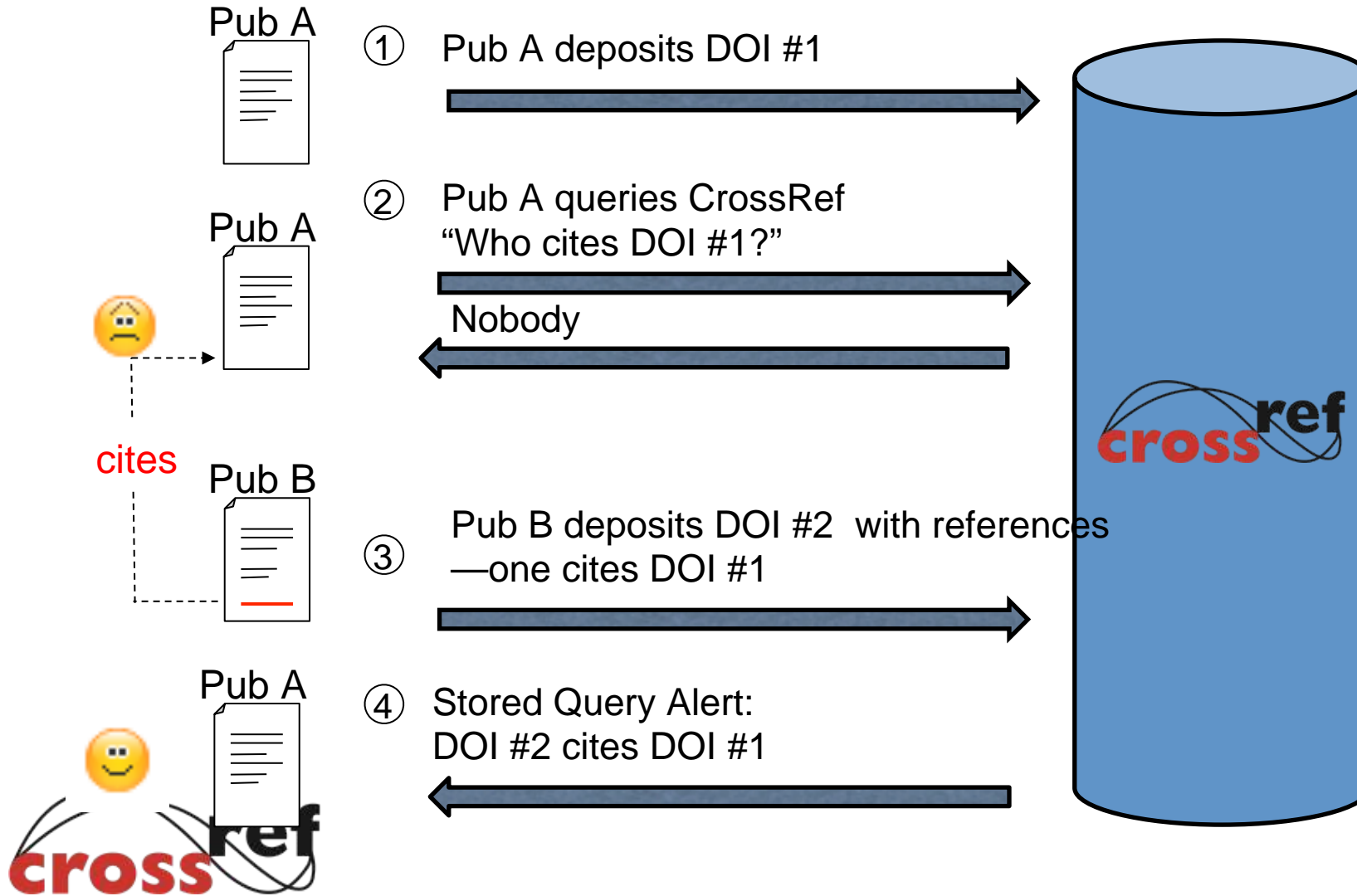


DOI #2 cites DOI #1



How does it work?

Scenario #2



How to participate

1. Sign up at http://www.crossref.org/06members/citedby_linking_signup.html
2. Deposit reference lists for each document at CrossRef with article metadata
3. Query CrossRef for a list of all DOIs citing a document
4. Display Cited-by results on your website



2. How to deposit your references

A. As part of a metadata deposit

B. As a separate resource-only deposit

- Schema available for deposit of reference lists for articles that already have DOI

C. Simple Text Query Deposit

- Using the simple text query form

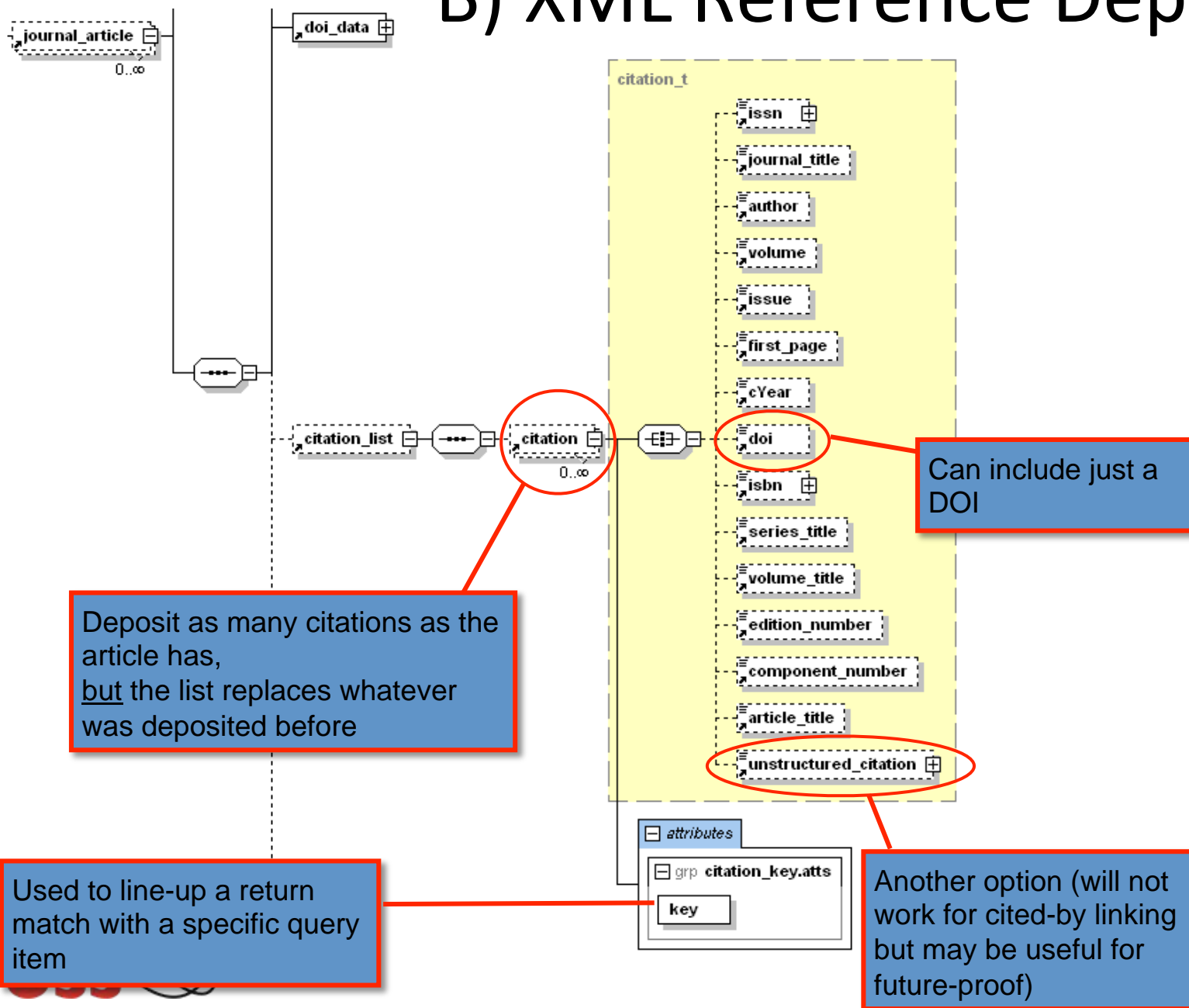


Depositing references

No special permission beyond CrossRef account is required to make deposits



B) XML Reference Deposit



C) Simple Text Query Reference Deposit

- <http://www.crossref.org/SimpleTextQuery>
- The Simple Text Query form submits reference deposits to the CR system
- You receive an e-mail with deposit results

C) Simple Text Query Reference Deposit

- The deposit will contain all the references the Simple Text Query can extract
 - Parsed references that do not find a DOI submitted as a stored metadata query
 - References that do find a DOI submitted as a DOI

C) Simple Text Query Reference Deposit

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Simple Text Query Form

This form allows individuals to retrieve CrossRef Digital Object Identifiers (DOIs) for non-commercial use. Please contact us (info@crossref.org) if you represent an organization that needs to retrieve CrossRef DOIs in quantity.

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We are taking this action because a number of users are querying this service in very high volumes. The Simple Text Query is not an appropriate tool for high volume operations and monthly usage limits of 1000 references will be put into effect (intended to be a limit on an individual or the organization represented by an individual). Please contact CrossRef (info@crossref.org) to inquire about options appropriate for volumes of use above these limits.

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This form allows you to retrieve Digital Object Identifiers (DOIs) for journal articles, books, and chapters by simply cutting and pasting the reference list into the box below. You may use the form with any reference style, although the tool works most reliably if references are formatted in a standard style such as shown in this example:

Clow GD, McKay CP, Simmons Jr. GM, and Wharton RA, Jr. 1988. Climatological observations and predicted sublimation rates at Lake Hoare, Antarctica. *Journal of Climate* 1:715-728.

To test the interface, simply cut & paste this reference!

Please separate individual references by a blank line. For best results, there should be no line breaks within an individual reference. When submitting multiple references they must be in alphabetical order or presented as a numbered list. For editorial purposes, to check the accuracy of a reference click on the DOI link that is returned with the reference.



Clow GD, McKay CP, Simmons Jr. GM, and Wharton RA, Jr. 1988. Climatological observations and predicted sublimation rates at Lake Hoare, Antarctica. *Journal of Climate* 1:715-728.

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Do not use your browser's 'BACK' button.
Use the 'RESET' button to submit more references.

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Username:

Parent DOI:

Password:

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The DOI of your article (the citing article containing this reference)

Submit "Forward Link"



C) Simple Text Query Reference Deposit

- Each deposit will overwrite previous deposits
- Make each request a complete list of all references
- Delete a reference by re-submitting deposit without the reference

What if you want to be really open?

- Members may deposit and distribute unstructured references, but they don't work for Cited-by linking
- Members/affiliates who want other publishers' references need [Enhanced CrossRef Metadata Services](#) at an additional fee
<http://www.crossref.org/cms/index.html>
- Members may make all of their references available to users of our UNIXML query interface by emailing support@crossref.org



3. Querying for Cited-by Links

- Who can query for Cited-by Links?
- A CrossRef publisher member must have permission to submit Cited-by Linking queries
 - Remember you need to sign up!
- The CrossRef user can only retrieve Cited-by links to their own content



3. How to query for CrossRef Cited-by Links

- A. CrossRef XML query schema
- B. CrossRef HTTP queries
- C. CrossRef OAI-PMH Interface
 - Can be used to create alerts



A) XML – Cited-by query

```
<?xml version = "1.0" encoding="UTF-8"?>
<query_batch version="2.0" xmlns = "http://www.crossref.org/qschema/
2.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.crossref.org/qschema/2.0
http://www.crossref.org/qschema/crossref_query_input2.0.xsd">
<head>
  <email_address>ckoscher@crossref.org</email_address>
  <doi_batch_id>fl_001</doi_batch_id>
</head>
<body>
  <fl_query alert="true">
    <doi>10.1103/PhysRev.100.935</doi>
  </fl_query>
</body>
</query_batch>
```

set alert="true" if we want to receive future emails when someone else cites this article

This is the DOI of the article we want to receive citations for (=our article)

Save as .xml file



A) Upload XML query

Home Users **Submissions** Queries Reports Metadata Admin

Administration **Upload** Show System Queue Download Metadata

Please enter the file name, area and type of the submission you wish to upload

FileName: query1.xml

Area: Live Test

Type: Metadata Query DOI Query DOI Resources Conflict management



B) HTTP queries

The response to HTTP requests will also be formatted as XML

- **DOI query:** Retrieves all Cited-by matches for a single DOI within a specified date range.

[http://doi.crossref.org/servlet/getForwardLinks?
usr=<username>&pwd=<password>&doi=<doi>
&startDate=<startDate>&endDate=<endDate>](http://doi.crossref.org/servlet/getForwardLinks?usr=<username>&pwd=<password>&doi=<doi>&startDate=<startDate>&endDate=<endDate>)

- **By-date query:** Retrieves Cited-by matches established on a single day for a DOI prefix. Only the prefix owner may retrieve matches.

[http://doi.crossref.org/servlet/getForwardLinks?
usr=<username>&pwd=<password>&doi=<prefix>
&date=YYYY-MM-DD](http://doi.crossref.org/servlet/getForwardLinks?usr=<username>&pwd=<password>&doi=<prefix>&date=YYYY-MM-DD)

Queries or large data may cause “504 Gateway Time-out error”

B) Storing queries to get future results

- If the CrossRef system can't find a suitable match for a query, it returns a result of "unresolved." In this case, you can resubmit the same query at a later time to see whether the item you are seeking has been deposited (called polling)

To set the forward-match attribute, use this format:

```
<query key="key" forward-match="true/false">
```

- You can also retrieve a list of stored queries that resolved within a specific date range using the following URL:

```
/servlet/downloadStoredQueries?
```

```
usr=<USERNAME>&pwd=<PASSWORD>&startDate=<FIRSTDATE>&endDate=<LASTDATE>
```



C) OAI-PMH Request to retrieve Cited-by Links

- This format retrieves cited-by matches established within a date range for a given title. Only the prefix owner may retrieve matches

```
http://oai.crossref.org/OAIHandler?  
verb=ListRecords&usr=<username>&pwd=<password>  
&set=J10.5555&from=2011-11-01&until=2011-11-14  
&metadataPrefix=cr\_citedby
```

- Some OAI-PMH requests are too big to be retrieved in a single transaction. If a given response contains a resumption token the user must make an additional request to retrieve the rest of the data



4. Display Cited-by Links on your content

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F Oosterhelt, M Rief and H E Gaub

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- [2] Visualizing mechanical tension across membrane receptors with a fluorescent sensor
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- [3] Single-Molecule Elasticity Measurements of the Onset of Excluded Volume in Poly(Ethylene Glycol)
Physical Review Letters 2011 **107** 148301
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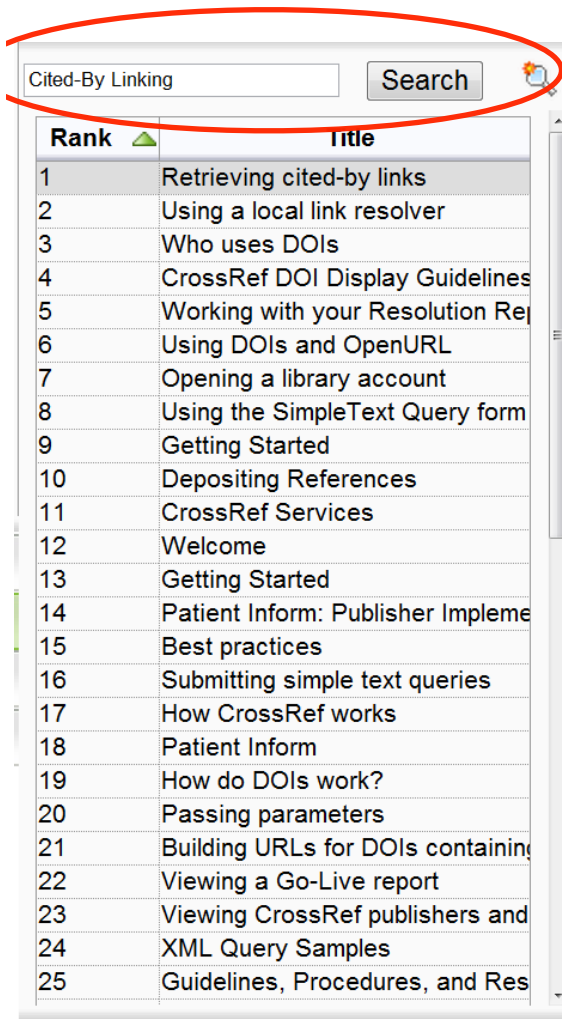


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Cited-by linking

In addition to using DOIs to link to references that appear in their content, CrossRef members can retrieve DOIs of other publications that cite their content. This optional service, called cited-by linking (previously *forward linking*), enables CrossRef members to display cited-by links in the primary content that they publish. Cited-by linking policies, examples, and a list of participating publishers [are available on the CrossRef website](#).

Note: To make use of cited-by linking, publishers must first [register](#) for the optional cited-by linking service.

Cited-by linking process:

1. Publisher A registers DOI 10.1234/X for article X with the following metadata:
Journal= "Good Science", author="John Smith", volume="21", first page="100" year="2007"
2. Publisher B deposits metadata for article Y and assigns it DOI 10.5678/Y. The deposited references for article Y include the following:

```
<citation_list>
  <citation key="reference to article X">
    <author>Smith</author>
    <journal_title>Good Science</journal_title>
    <cYear>2007</cYear>
    <first_page>100</first_page>
    <volume>21</volume>
  </citation>
</citation_list>
```

3. The CrossRef system establishes a cited-by relationship between article X and Y
4. Publisher A later sends a query asking who 'cites' article X and is given the DOI for article Y and its metadata



Useful CrossRef Help Pages

- CrossRef Cited-by Linking Overview
- http://help.crossref.org/#citedby_overview
- Depositing References
- <http://help.crossref.org/#depositing-references>
- Querying for Cited-by References
- <http://help.crossref.org/#cited-by-linking>
- Depositing and distributing references
- <http://help.crossref.org/#depositing-and-distributing-references>
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