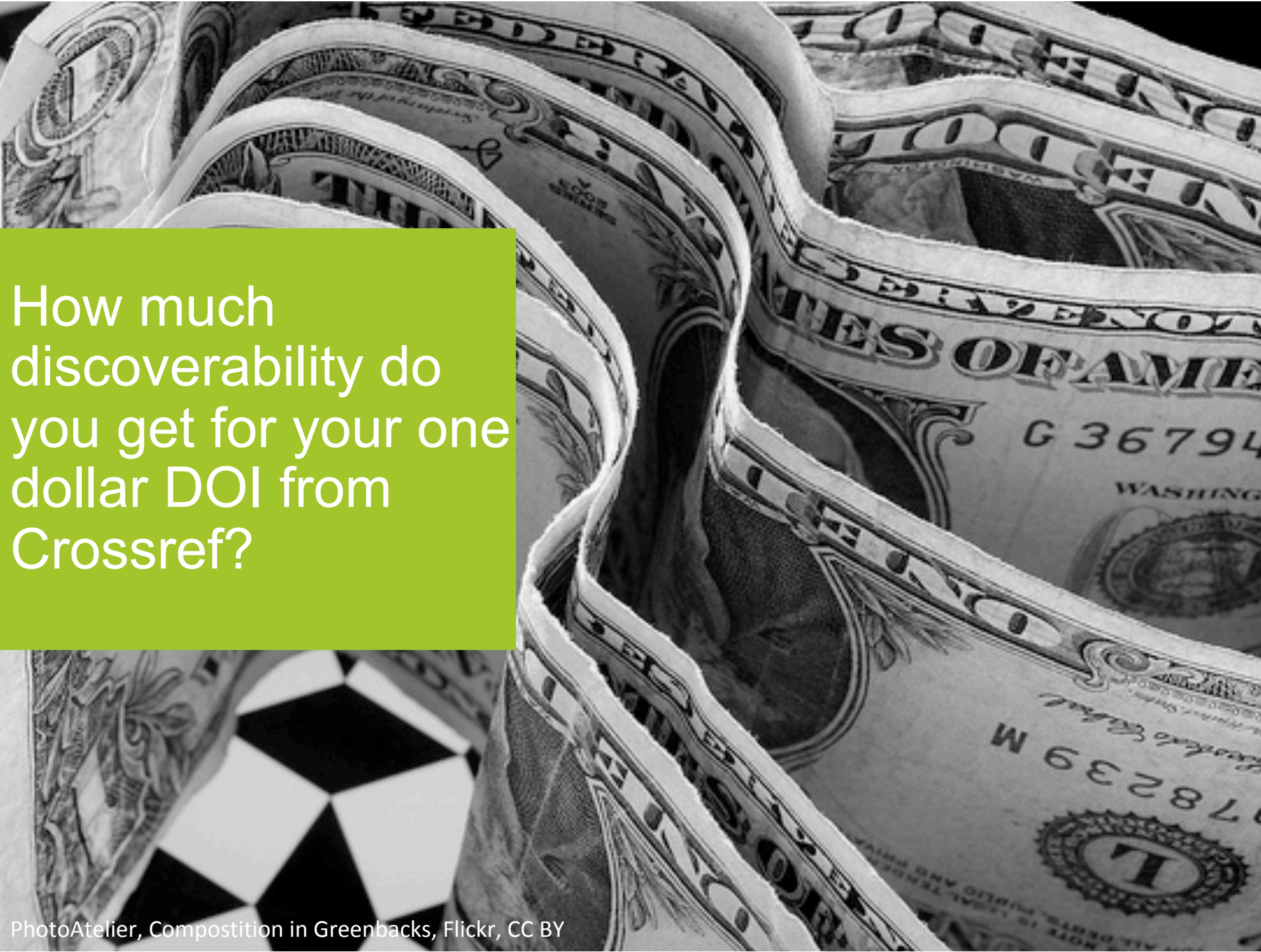




Metadata in Action: Case Study ScienceOpen

Where does publisher metadata go and how is it used?
Crossref Webinar 11 September 2018
@Science_Open @SDawsonBerlin

A black and white photograph of a stack of US one-dollar bills, viewed from a low angle looking down into the stack. The bills are slightly curved, creating a sense of depth. A green rectangular overlay is positioned on the left side of the image, containing white text. The text asks: "How much discoverability do you get for your one dollar DOI from Crossref?".

How much discoverability do you get for your one dollar DOI from Crossref?

A complex network diagram with numerous black nodes connected by thin grey lines, forming a dense web. The diagram is positioned at the top, bottom, and right edges of the slide, partially overlapping a large green rectangular area.

Scholarly articles in context: ScienceOpen search/discovery platform

45 million research article records

17 million authors

25 thousand journals



ScienceOpen is a freely-accessible, interactive search and discovery platform connecting and exposing metadata.

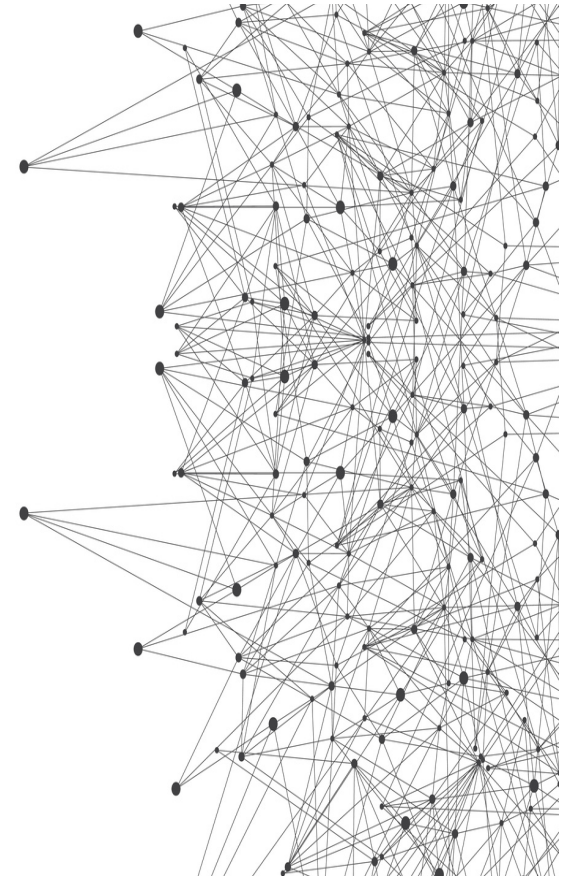
So how to make sense of 45 million articles?

Filter:

- Open Access
- Preprint
- Date
- Affiliation
- Keywords
- Discipline
- Validation
- Source
- Content type
- Journal

Sort:

- Citations
- Altmetric Score
- Date
- Usage



Example: Crossref Metadata including abstracts

Narrow by collection

Climate Change: Open Access	811
Zika Virus	202
Coleoptera	193
Resource Identification	153
SAXS:Recent	77

Narrow by publisher

bioRxiv	27.459
Cambridge University Press (CUP)	13.570
Royal Society of Chemistry (RSC)	13.170
MDPI	7.889
Copernicus GmbH	5.535
Linguistic Society of America	3.512
American Society for Microbiology	2.307
JSTOR	2.022
Elsevier BV	1.995
Springer Nature	1.850
Walter de Gruyter GmbH	1.661
International Union of Crystallography (IUCr)	1.221
American Association for the Advancement of Science (AAAS)	899

Search

[New search](#) ✕

[Content](#) [Authors](#) [Collections](#) [Featured](#) [Journals](#) [Publishers](#)

Enter some words to filter items below

Exact match

Source API ArXiv CrossRef PubMed PubMed Central Reference ScienceOpen ✕

Article completeness Record Abstract Author Summary Article ✕

90.613 results

[Add filter](#) ▾

[Save search](#)

[Export as citations](#) ▾

[Sort by Altmetric score](#) ▾



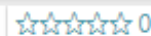
🔍

[RECORD](#) [ABSTRACT](#) [ARTICLE](#)

Correction of a pathogenic gene mutation in human embryos

Hong Ma, Nuria Marti-Gutierrez, Sang-Wook Park, Jun Wu, Yeonmi Lee, 26 more... (2017)

CRISPR-Cas9 genome editing is used to induce a DNA repair response and correct a disease-causing heterozygous mutation in human embryos with reduced mosaicism and preferential repair using the wild-type copy of the gene.

 32 views  55  0

 4,717

[RECORD](#) [ABSTRACT](#) [ARTICLE](#)

Radar evidence of subglacial liquid water on Mars

B. Cosciotti, F. Di Paolo, E. Flamini, E. Mattei, M. Pajola, 17 more... (2018)

The presence of liquid water at the base of the martian polar caps has long been suspected but not observed. We surveyed the Planum Australe region using the MARSIS (Mars Advanced Radar for Subsurface and Ionosphere Sounding) instrument, a low-frequency radar on the Mars Express spacec... [Show more](#)

 31 views  2  0

 4,234

Example: Crossref Metadata including abstracts

42 views	0 references	0 cited by	0 reviews	0 comments	1 recommends	1 collections	1 shares	104 similar
Altmetric 3	TOP REFERENCES	MOST CITED	REVIEW	COMMENT	+1 RECOMMEND	ADD TO ▾	SHARE ▾	ALL SIMILAR

Similar articles

104

RECORD ABSTRACT ARTICLE

How do ectoparasitic nycteribiids locate their bat hosts?

Authors: Jorge Palmeirim, Joana Lourenço

Detection of a new bat gammaherpesvirus in the Philippines.

Authors: Daisuke Yamane, Hikaru Fujii, Tetsuya Mizutani ...

Host characteristics do not affect community structure of ectoparasites on the fishing bat *Noctilio leporinus* (L., 1758) (Mammalia: Chiroptera)

Authors: Mauricio Moura, Marcelo Bordignon, Gustavo Gracioli

See all similar ▶

Checklist of ectoparasitic arthropods among cave-dwelling bats from Marinduque Island, Philippines

Authors: Ace Kevin S. Amarga, Philip A. Alviola, Ireneo L. Lit, Jr., Sheryl A. Yap

Publication date (Electronic): January 05 2017

Journal: Check List

Publisher: Pensoft Publishers

Read this article at

ScienceOpen

Publisher

Review ▾

Bookmark

Export as citation ▾

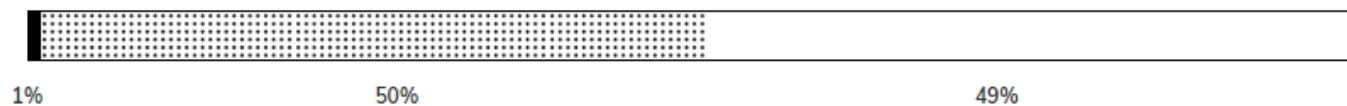
There is no author summary for this article yet. Authors can add summaries to their articles on ScienceOpen to make them more accessible to a non-specialist audience.

Abstract

This paper constitutes the first ectoparasite faunal survey of bats for Marinduque Island, Philippines. From 1–12 June 2010, 150 bats belonging to 11 species were captured in 11 caves on the island. Each bat was sampled for ectoparasitic arthropods, and a total of 587 individuals representing 21 species, belonging to five families (Acar: Argasidae and Spinturnicidae; Diptera: Nycteribiidae and Streblidae; and Siphonaptera: Ischnopsyllidae) were collected. New host records (new host record) in the Philippines for *Brachytarsina cucullata* Jobling 1934, *B. proxima* Jobling 1951, *B. wernerii* Jobling 1951, *Raymondia pseudopagodarum* Jobling 1951, *Eurammsinoda philippinensis* Ferris 1974, *Nycterihia alltonna* Snaiser 1901, *Nycterihia alltonnoides* Theodor 1963, *Nycterihia nanulinidae* Theodor 1963, *Ancistrurus*

Initiative for Open Citations (I4OC)

How many citations are open today?



As of January 2018, the fraction of publications with open references has grown from 1% to more than 50% out of the nearly 38 million articles with references deposited with Crossref.



Example: Crossref Metadata including references

The screenshot shows the ScienceOpen interface for an article. At the top, the ScienceOpen logo and navigation links are visible. Below the header is a row of statistics: 5 views, 57 references (highlighted with a red box), 3 cited by, 0 reviews, 0 comments, 0 recommends, 1 collections, 0 shares, and 33,644 similar. Below this is a list of similar articles and a 'Cited by' section. The main article title is 'Molecular evolution of Zika virus as it crossed the Pacific to the Americas'.

scienceOPEN.com
research+publishing network

MY SCIENCEOPEN → BLOG ABOUT 🔍 SEARCH +

5 views	57 references	3 cited by	0 reviews	0 comments	0 recommends	1 collections	0 shares	33,644 similar
Altmetric 93	TOP REFERENCES	MOST CITED	REVIEW	COMMENT	+1 RECOMMEND	ADD TO	SHARE	ALL SIMILAR

Similar articles 33,644 RECORD ABSTRACT ARTICLE

Fundamentals of Molecular Evolution
Authors: L Wen-Hsiung, D Graur

Molecular detections of olive viruses
Authors: F. Grieco, R. Alkowni, M. Saponari ...

Molecular epidemiology of dengue-1 and dengue-4 viruses
Authors: E Chungue, O Cassar, M. Drouet ...

See all similar ▶

Cited by 3

Reconstruction of mitogenomes by NGS and phylogenetic implications for leaf beetles
Authors: Junhua Chen, Nan Song, Jian Yin ...

Mitochondrial genomes of two Australian fishflies with an evolutionary timescale of Chauliodinae
Authors: Fan Yang, Yunlan Jiang, Ding Yang ...

Molecular evolution of Zika virus as it crossed the Pacific to the Americas
Authors: Adriano de Bernardi Schneider, Robert W. Malone, Jun-Tao Guo, Jane Homan, Gregorio Linchangco, Zachary L. Witter, Dylan Vinesett, Lambodhar Damodaran, Daniel A. Janies
Publication date (Print): February 2017
Journal: Cladistics
Publisher: Wiley-Blackwell

Read this article at
ScienceOpen Publisher Further versions
Review Bookmark Export as citation

There is no author summary for this article yet. Authors can add summaries to their articles on ScienceOpen to make them more accessible to a non-specialist audience.

Abstract

Example: Open Access Full-text XML

269.677
articles

4.036.281
views

1.109.183
altmetric

☆☆☆☆☆
0 reviews

Narrow by collection

Ticks and tick-borne pathogens	701
Climate Change: Open Access	688
Zika Virus	157
Resource Identification	83
Coleoptera	61

Narrow by journal

Critical Care	12.744
BMC Public Health	10.000
BMC Genomics	9.339
BMC Cancer	7.339
BMC Infectious Diseases	5.826

Narrow by discipline

Medicine	175.295
Life sciences	71.304
Genetics	19.017
Oncology & Radiotherapy	18.389
Infectious disease & Microbiology	14.426

BioMed Central

PUBLISHER

Publications

Enter some words to filter items below

Exact match

270.390 results


Add filter ▾

Save search

Export as citations ▾

Sort by cited by count ▾

Search 

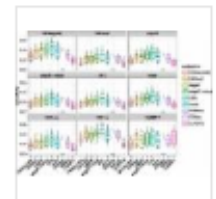
RECORD ABSTRACT ARTICLE 

Moderated estimation of fold change and dispersion for RNA-seq data with DESeq2

Michael Love, Wolfgang Huber, Simon Anders (2014)

In comparative high-throughput sequencing assays, a fundamental task is the analysis of count data, such as read counts per gene in RNA-seq, for evidence of systematic changes across experimental conditions. Small replicate numbers, discrete

[Show more](#)



321 views



2.750



0

Altmetric 45

RECORD ABSTRACT ARTICLE

TopHat2: accurate alignment of transcriptomes in the presence of insertions, deletions and gene fusions

Daehwan Kim, Geo M Pertea, Cole Trapnell, Harold Pimentel, Ryan Kelley, 1 more... (2013)

TopHat is a popular spliced aligner for RNA-sequence (RNA-seq) experiments. In this paper, we describe TopHat2, which incorporates many significant enhancements to TopHat. TopHat2 can align reads of various lengths produced by the latest sequencing technologies, while allowing for var

[Show more](#)



490 views



1 recommend



2.326



0

Altmetric 54

A complex network diagram with numerous black nodes connected by thin grey lines, forming a dense web. The diagram is positioned at the top and bottom of the slide, framing a central green rectangular area.

Average views:

1.5x more for articles with references

5x more for articles with abstracts

10x more for articles with in Collection

For articles in Collections:


2x more for articles if Open Access

10x more for articles with references

150x more for articles with abstracts

What do machines see when they read your content?
Deposit richer metadata at Crossref to get the most of your DOI.



A complex network diagram consisting of numerous black dots (nodes) connected by thin, grey lines (edges). The nodes are distributed across the entire page, with a higher density in the upper and lower portions. A large, solid green rectangular area is positioned in the center, partially overlapping the network lines.

As an aggregator of information,
ScienceOpen will continue to open up,
share, add to and explore the context
of scholarly research in support of open
knowledge goals. Join us!

Contact: Stephanie.Dawson@ScienceOpen.com
Twitter: [@Science_Open](https://twitter.com/Science_Open), [@SDawsonBerlin](https://twitter.com/SDawsonBerlin)
Facebook: www.facebook.com/ScienceOpen