

A complex network diagram with numerous black nodes connected by thin grey lines, forming a dense web. A large green rectangular area is overlaid on the top half of the image, containing the title and event information.

# Discoverability for the Open Authoring Model

Open Access Tage, Dresden 11-13 September 2017  
@Science\_Open @SDawsonBerlin

My research is now public.  
Is that enough?



Science is in flux and the Open Authoring model tries to capture that, but to effectively track versions we need **Persistent Identifiers**



# Metadata

**Article:** Crossref DOI (with version)

**Author:** ORCID ID

**License:** Creative Commons, Machine-Readable

**Funding body/Grant #:** FundRef

**Affiliation:** Ringgold, GRID

**Data:** DOI Figshare, Zenodo, Dryad



# The Open Authoring Model brings new opportunities but also complexities

## **Preprints**

DOI? Mit Crossref oder andere?

## **Open Peer Review**

For Preprint or Postprint?

Portable? License?

## **Versioning**

With Crossref DOI? As Preprint or published article?

## **Metrics**

Altmetric score for Preprint?

Usage statistics?



A complex network diagram with numerous black nodes connected by thin grey lines, forming a dense web. The diagram is partially obscured by a large green rectangular area in the center of the slide.

# Scholarly articles in context: ScienceOpen search/discovery platform

**34** million research article records

**17** million authors

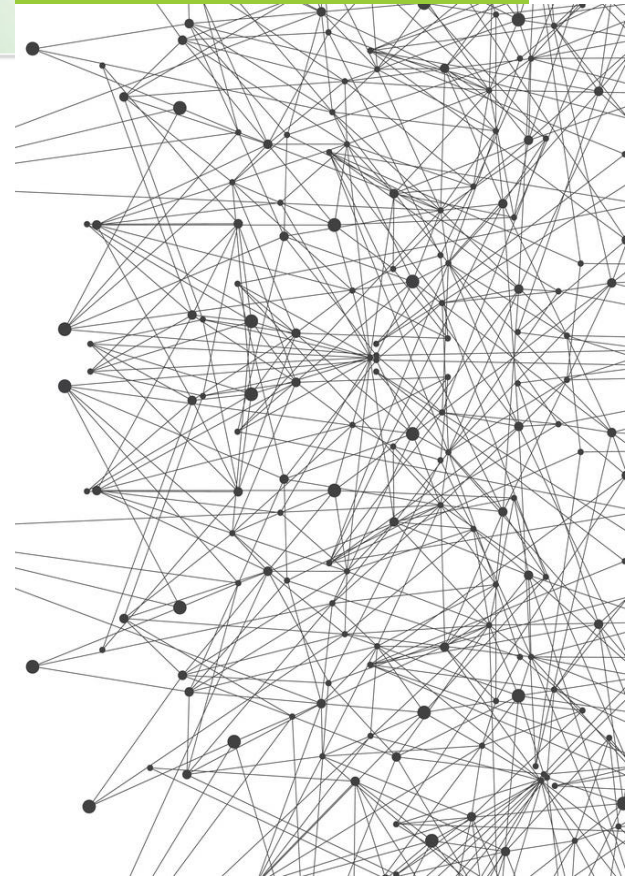
**25** thousand journals

# Context-driven search & discovery

The screenshot displays the scienceOPEN.com website interface. At the top, the logo 'scienceOPEN.com research+publishing network' is visible. A search bar contains the text 'Advanced nanoparticles'. The left sidebar lists various categories and journals, including 'Atomic Force Microscopy' (4), 'ScienceOpen Research' (3), 'Journal of Self-Assembly and Molecular Electronics' (3), 'Shewanella' (2), 'ISOS XVII Posters' (2), 'Journals' (with sub-lists for Scientific Reports, Nanoscale Research Letters, Journal of the American Chemical Society, ACS Nano, Biomaterials), 'Publishers' (with sub-lists for Nature Publishing Group, Springer, Public Library of Science, BioMed Central, Hindawi Publishing Corporation), and 'Disciplines' (Chemistry: 21932).

The main content area shows three search results for 'nanoparticles':

- Result 1:** 'Natural gold particles in Eucalyptus leaves and their relevance to exploration for buried gold deposits' by Melvyn Lintern, Ravi Anand, Chris Ryan ... (2013). The abstract mentions that mineral explorers need to find new ore deposits as Au discoveries are down by 45% over the last 10 years. It includes an image of a cross-section of a tree and soil. Metrics: Altmetric 641.
- Result 2:** 'Intrinsic peroxidase-like activity of ferromagnetic nanoparticles.' by Yu Zhang, Ning Gu, Taihong Wang ... (2007). The abstract states that nanoparticles containing magnetic materials like magnetite (Fe<sub>3</sub>O<sub>4</sub>) are useful for imaging and separation. It includes an image of a blue circular structure. Metrics: Altmetric 597.
- Result 3:** 'The "Gemini" spinal cord fusion protocol: Reloaded' by Sergio Canavero (2015). The abstract describes the surgical transference of a healthy head on a surgically beheaded body under deep hypothermic conditions. It includes an image of a surgical procedure. Metrics: Altmetric 494.



# Open Authoring: Open Access license

## Narrow by collection

Ticks and tick-borne pathogens	1,681
Climate Change: Open Access	108
Parasite	36
Zika Virus	23
Coleoptera	5

## Narrow by publisher

BioMed Central	852
Public Library of Science	785
Centers for Disease Control and Prevention	348
Colégio Brasileiro de Parasitologia Veterinária	134
Frontiers Media S.A.	126

## Narrow by journal

Parasites & Vectors	546
Emerging Infectious Diseases	348
PLoS ONE	319
PLoS Neglected Tropical Diseases	200
Revista Brasileira de Parasitologia Veterinária	134

## Search

New search 

Content Authors Collections Featured Journals Publishers

ticks

Exact match

Open Access?


3,879 results

Add filter ▾

Save search

Export as citations ▾


Sort by read count ▾

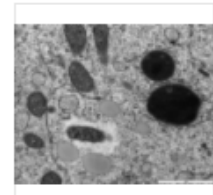
Search 

RECORD ABSTRACT ARTICLE 

### The relationship between spotted fever group Rickettsiae and Ixodid ticks

Cristina Socolovschi, Oleg Mediannikov, Didier Raoult, Philippe Parola (2009)

Spotted fever group Rickettsiae are predominantly transmitted by ticks. Rickettsiae have developed many strategies to adapt to different environmental conditions, including those within their arthropod vectors and vertebrate hosts. The tick-R  Show more




  1,047 views  0  12       0

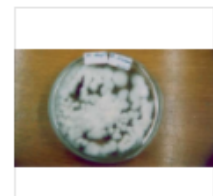
Altmetric 0









RECORD ABSTRACT ARTICLE 

### Laboratory Study on Biological Control of Ticks (Acari: Ixodidae) by Entomopathogenic Indigenous Fungi (*Beauveria bassiana*)

M Abdigoudarzi, K Esmailinia, N Shariat (2009)

Background: Chemical control method using different acaricides as spray, dipping solution or pour-on is routinely used for controlling ticks. Biological control agents are favorable due to their safety for animals and environment. Entomop  Show more



  603 views  0  2       0

Altmetric 0



# Open Authoring: Preprints

## Narrow by collection

The Science of Twitter	433
SAXS:Recent	404
Climate Change: Open Access	383
The Science of Facebook	88
Paul Drude Institute for Solid State Electronics (PDI)	79



## Narrow by publisher

American Physical Society (APS)	453
Sociedade Brasileira de Física	214
Springer Nature	160
AIP Publishing	59
Elsevier BV	40



## Narrow by journal

Phys Rev D	612
Physical review letters	494
Phys Rev Lett	415
Phys Rev B	218
Brazilian Journal of Physics	200

## Search

New search ✕

Content Authors Collections Featured Journals Publishers

Enter some words to filter items below

Exact match

Preprint  Preprint  Not preprint ✕

1.338.375 results

Add filter ▾

Save search

Export as citations ▾

Sort by Altmetric score ▾

Search 🔍

RECORD ABSTRACT ARTICLE 🔒

### Observation of Gravitational Waves from a Binary Black Hole Merger

The LIGO Scientific Collaboration, the Virgo Collaboration (2016)

On September 14, 2015 at 09:50:45 UTC the two detectors of the Laser Interferometer Gravitational-Wave Observatory simultaneously observed a transient gravitational-wave signal. The signal sweeps upwards in frequency from 35 to 250 Hz with a peak gravitational-wave strain of  $1.0 \times 10^{-21}$ . It [Show more](#)

907 views 1 recommend 26 1 0  Preprint

Add to collection Altmetric 4,817

RECORD ABSTRACT ARTICLE 🔒

### Evidence for a Distant Giant Planet in the Solar System

Konstantin Batygin, Michael E. Brown (2016)

Recent analyses have shown that distant orbits within the scattered disk population of the Kuiper belt exhibit an unexpected clustering in their respective arguments of perihelion. While several hypotheses have been put forward to explain this alignment, to date, a theoretical model that can suc [Show more](#)

304 views 0 recommend 3 0  Preprint

Add to collection Altmetric 4,512

# Open Authoring: Metrics / Versioning

46,384  
views



24  
references

TOP REFERENCES

1  
cited by

MOST CITED

★★★★☆  
2 reviews



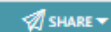
1  
comments



5  
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+1 RECOMMEND

319  
shares



29,000  
similar

ALL SIMILAR

## Similar articles

29,000

RECORD

ABSTRACT

ARTICLE



Detecting large quantum Fisher information with finite measurement precision

Authors: , ,

Dissociation and Propagation for Efficient Query Evaluation over Probabilistic Databases

Authors: ,

Effects of exposure of the ear to GSM microwaves: in vivo and in vitro experimental studies.

Authors: Bernard Veyret, Luc Letenneur, N Carrere ...

See all similar ▶

## Cited by

1

Curated Collections for Educators: Five Key Papers about Program Evaluation

Authors: Brent Thoma, Michael Gottlieb, Megan Boysen-Osborn ...

See all cited by ▶

## Most referenced authors

71

M Davies

## Student evaluations of teaching (mostly) do not measure teaching effectiveness

Authors: Anne Boring<sup>1,2</sup>, Kellie Ottoboni<sup>3</sup>, Philip B. Stark<sup>\*,3</sup>

Publication date: 07 January 2016

Journal: ScienceOpen Research – Section: SOR-EDU

Publisher: ScienceOpen

DOI: 10.14293/S2199-1006.1.SOR-EDU.AETBZC.v1

Keywords: Assessment, Evaluation & Research methods, Labor law, Nonparametric Statistics, Disparate Impact, Gender Bias, Permutation Tests

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Review ▾

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*There is no summary for this article yet*

## Abstract

Student evaluations of teaching (SET) are widely used in academic personnel decisions as a measure of teaching effectiveness. We show:

- SET are biased against female instructors by an amount that is large and statistically significant.
- The bias affects how students rate even putatively objective aspects of teaching, such as how promptly assignments are graded.

# Open post-publication peer review with ScienceOpen / Integration with CrossRef, ORCID

## Review by Lauren Collister

[Review](#)



Lauren Collister evaluated the article as:



What are the benefits and drawbacks of using a smartphone app to crowdsource language change data?

Publication date: 01 September 2016

DOI: 10.14293/S2199-1006.1.SOR-UNCAT.A4699763.v1.RZVXZU

Level of importance: ★★★★★

Level of validity: ★★★★★

Level of completeness: ★★★★★

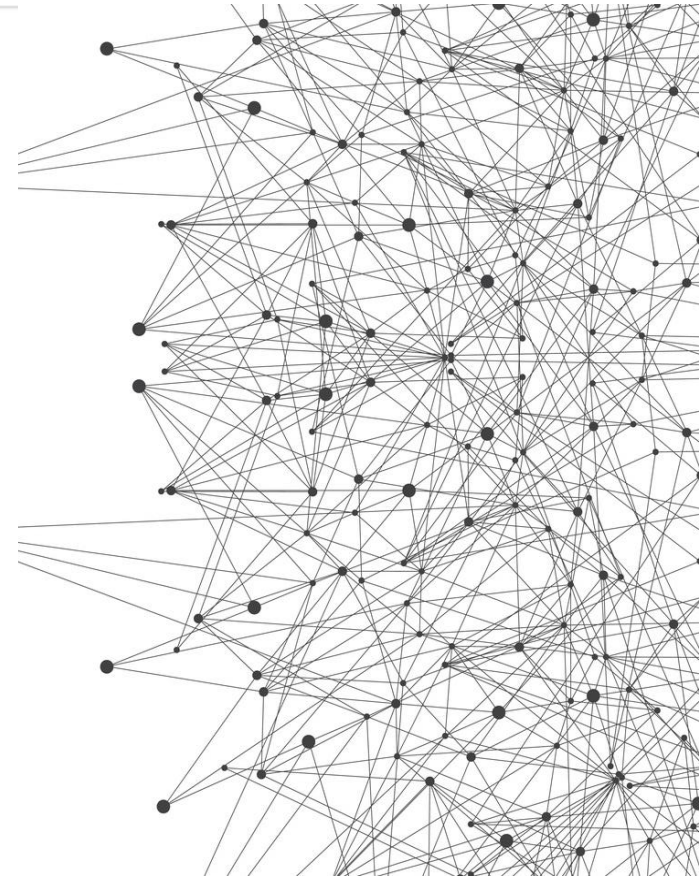
Level of comprehensibility: ★★★★★

Competing interests: None

Recommend this review:  2 people recommend this

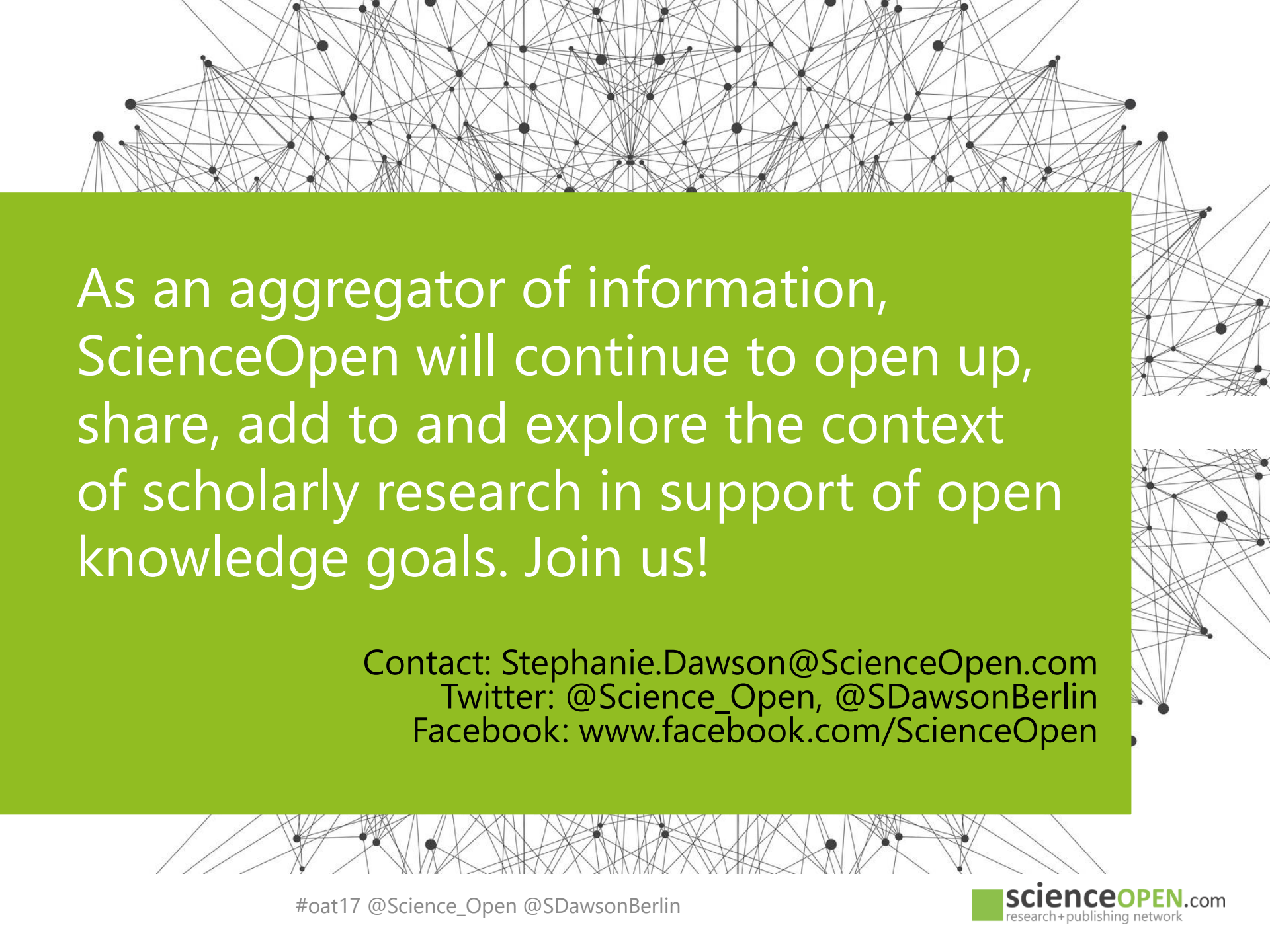
### Comments

This project is an interesting one and provides a step into the logical next step of studying language change. Using crowdsourcing via a mobile app available for iOS, the authors collected age and location data for Swiss German speakers and also collected their use of different variables. These data were compared to a 70-year-old dialectological survey of Swiss German to investigate language change.



Robots want read!  
Through all of the  
Open Authoring  
experiments think  
carefully about  
maschine-readable  
metadata with  
persistent  
identifiers.



A complex network diagram consisting of numerous black dots (nodes) connected by thin, grey lines (edges). The nodes are scattered across the top and bottom of the slide, with a dense concentration in the upper half. The lines form a web-like structure, representing interconnected information or research.

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!

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