Open Citations in Action: Case Study ScienceOpen

Workshop on Open Citations, Bologna, Italy
03-05 September 2017´8
@Science_Open @SDawsonBerlin

Open Citations

9/2/2018

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Citations trace the geneology of an idea and build the contextual framework of a scholarly article.

Initiative for Open Citations (I4OC)

How many citations are open today?

1%	50%	49%
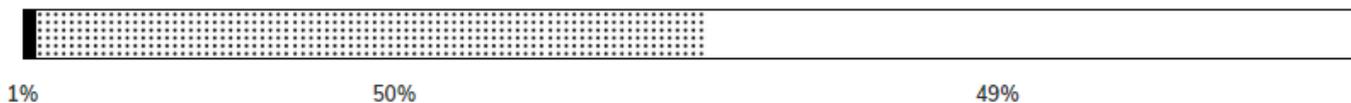
As of January 2018, the fraction of publications with open references has grown from 1% to more than 50% out of the nearly 38 million articles with references deposited with Crossref.

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ScienceOpen is a freely-accessible, interactive search and discovery platform connecting and exposing metadata.
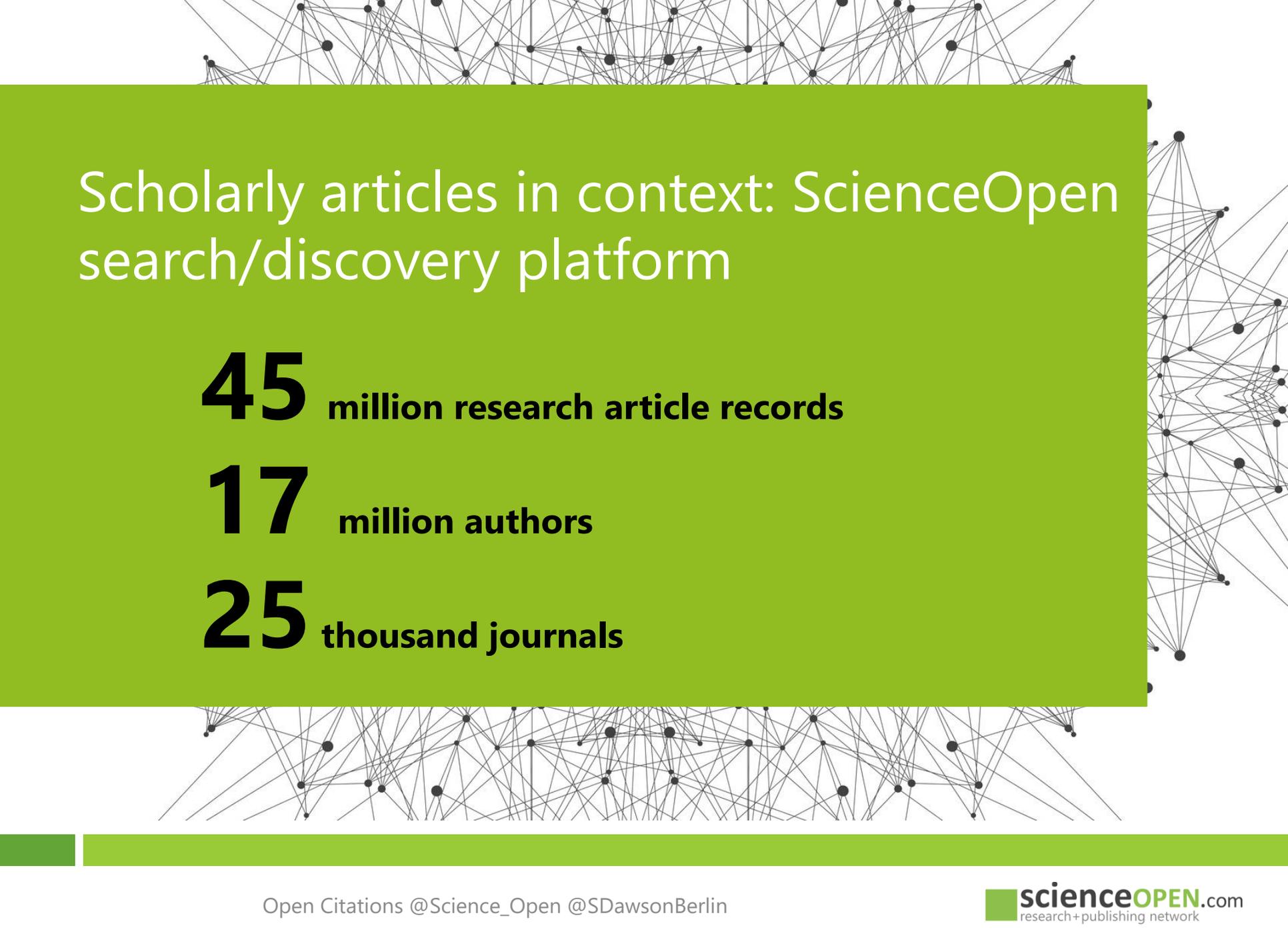
Scholarly articles in context: ScienceOpen search/discovery platform

45 million research article records

17 million authors

25 thousand journals

ScienceOpen database: Relationship between objects

- Article — Article
  - Article B was listed in the reference section of Article A
    - Article A has a reference to Article B
    - Article B is cited by Article A
  - The reference information can be extracted from
    - XML content
    - Crossref record
    - PDF content (ca 70% of PDF docs can be processed)
  - Metadata is validated and enhanced at Crossref, PubMed, DOAJ, Datacite (IDs: DOI, PMC, PubMed, ArXiv, DOAJ, ScieELO)
  - Extracted Metadata: Title, Authors, Affiliation, Abstract, Publishing date, Journal name, Publisher name, Keywords, Disciplines,
  - Additional metadata: Altmetric score, View count, Read count, Cited by count

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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**

Sort your search results by citation

Add a filter – Date, Open Access, Affiliation...

Export your results, cite and repeat!

Narrow by collection

| Ticks and tick-borne pathogens | 58 |
| Climate Change: Open Access | 3 |

Narrow by publisher

BioMed Central	20
Public Library of Science	15
Frontiers Media S.A.	8
Nature Publishing Group	8
American Society for Microbiology	5

⌄

Narrow by journal

PLoS ONE	9
Parasites & Vectors	9
BMC Public Health	4
Frontiers in Microbiology	4
Scientific Reports	4

⌄

Narrow by discipline

Medicine	32
Life sciences	28
Infectious disease & Microbiology	15
Uncategorized	15
Parasitology	11

Search

New search ✕

| Content | Authors | Collections | Featured | Journals | Publishers |

Lyme Disease   ☑ Exact match

Publication date range   From: 1.1.2016   To: 31.12.2016   ✕

Open Access? ☑   ✕

105 results | Add filter ▾ | Save search | **Export as citations ▾**   Sort by cited by count ▾ | ⌄ | Search 🔍

RECORD ABSTRACT ARTICLE 🔓

Genomic insights into the Ixodes scapularis tick vector of Lyme disease

Monika Gulia-Nuss, Andrew B. Nuss, Jason M. Meyer, Daniel Sonenshine, R. Michael Roe, 88 more... (2016)

Ticks transmit more pathogens to humans and animals than any other arthropod. We describe the 2.1 Gbp nuclear genome of the tick, Ixodes scapularis (Say), which vectors pathogens that cause Lyme disease, human granulocytic anaplasmosis,   ⌄ Show more
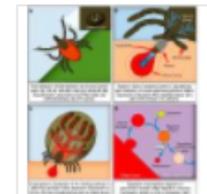
🏠 | 26 views 1 recommend ❝ 41 ☆☆☆☆☆ 0   Altmetric 409

RECORD ABSTRACT ARTICLE 🔓

Borrelia burgdorferi BBK32 Inhibits the Classical Pathway by Blocking Activation of the C1 Complement Complex

Brandon Garcia, Qing Hui Zhi, Beau Wager, Magnus Höök, Jon T Skare (2016)

Pathogens that traffic in blood, lymphatics, or interstitial fluids must adopt strategies to evade innate immune defenses, notably the complement system. Through recruitment of host regulators of complement to their surface, many pathogens are   ⌄ Show more

🏠 | 6 views 0 recommend ❝ 9 📘 1 ☆☆☆☆☆ 0   Altmetric 18

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Sort and search within collections

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The Science of Twitter

This collection tracks Open Access articles that explore all aspects of the microblogging platform Twitter. Topics include big data, linguistics, political science, economics, psychology, health education and scientific communication.

View collection details   📊 Statistics   Follow

941 articles	14.001 views	36.810 altmetric	☆☆☆☆☆ 0 reviews	50 recommends	28 shares	6 followers

Narrow by collection

The Science of Facebook	23
Revista Latina de Comunicación Social	10
Zika Virus	7
Digital Science	5
Climate Change: Open Access	2

⌄

Narrow by publisher

Publications

New search ✕

Enter some words to filter items below

exact match

Search 🔍

944 results   Add filter ▾   Save search   Export as citations ▾

RECORD ABSTRACT ARTICLE 🔓

Twitter-derived measures of sentiment towards minorities (2015–2016) and associations with low birth in the United States

Hsien-Weng Meng, Sanjeev Sandeep, Matt McCullough, Weijun Yu, Yan Kwan Lau, 3 more...   (2018)

Sort by Altmetric score
Sort by average rating
Sort by cited by count
Sort by date
Sort by view count
Sort by relevance

I'll give you a cookie if you cite my paper

ORCID integration: Sort publications by citations, Altmetric score, usage, date

Personal statistics: track citations over time

Making citations part of the open, machine-readable metadata anchored with persistent identifiers in Crossref will result in better discoverability for all.
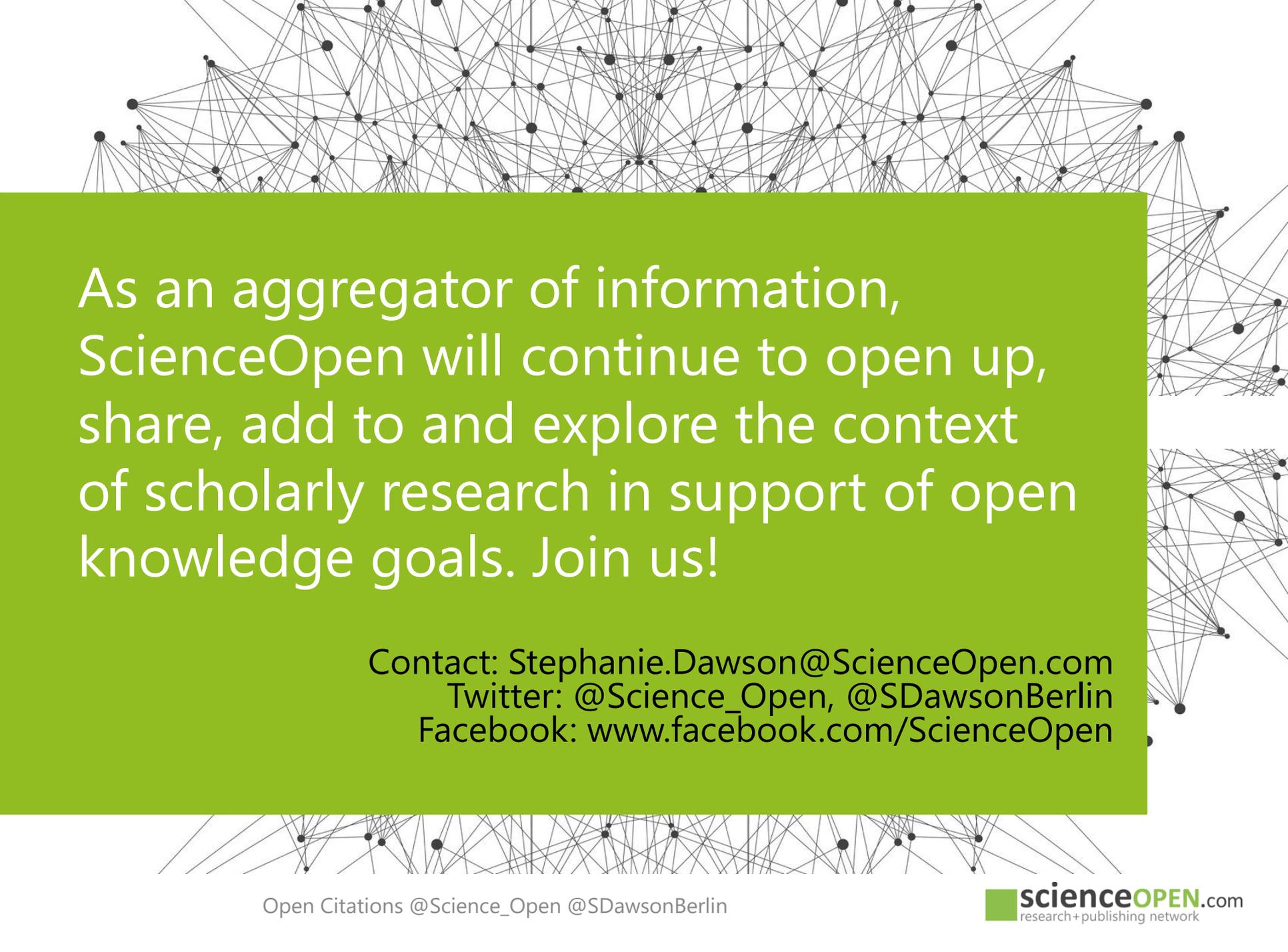
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