A complex network graph with numerous black nodes and thin grey lines connecting them, forming a dense web. A large green rectangular area is overlaid on the top half of the image, containing white text.

Open Citations in Action: Case Study ScienceOpen

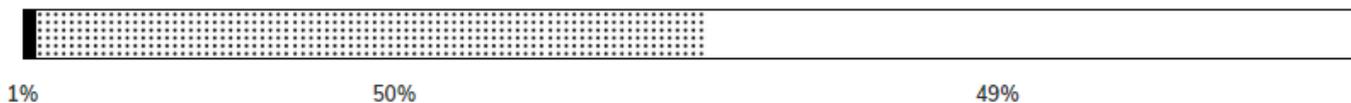
Workshop on Open Citations, Bologna, Italy
03-05 September 2017'8
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Citations trace the genealogy of an idea and build the contextual framework of a scholarly article.

Initiative for Open Citations (I4OC)

How many citations are open today?

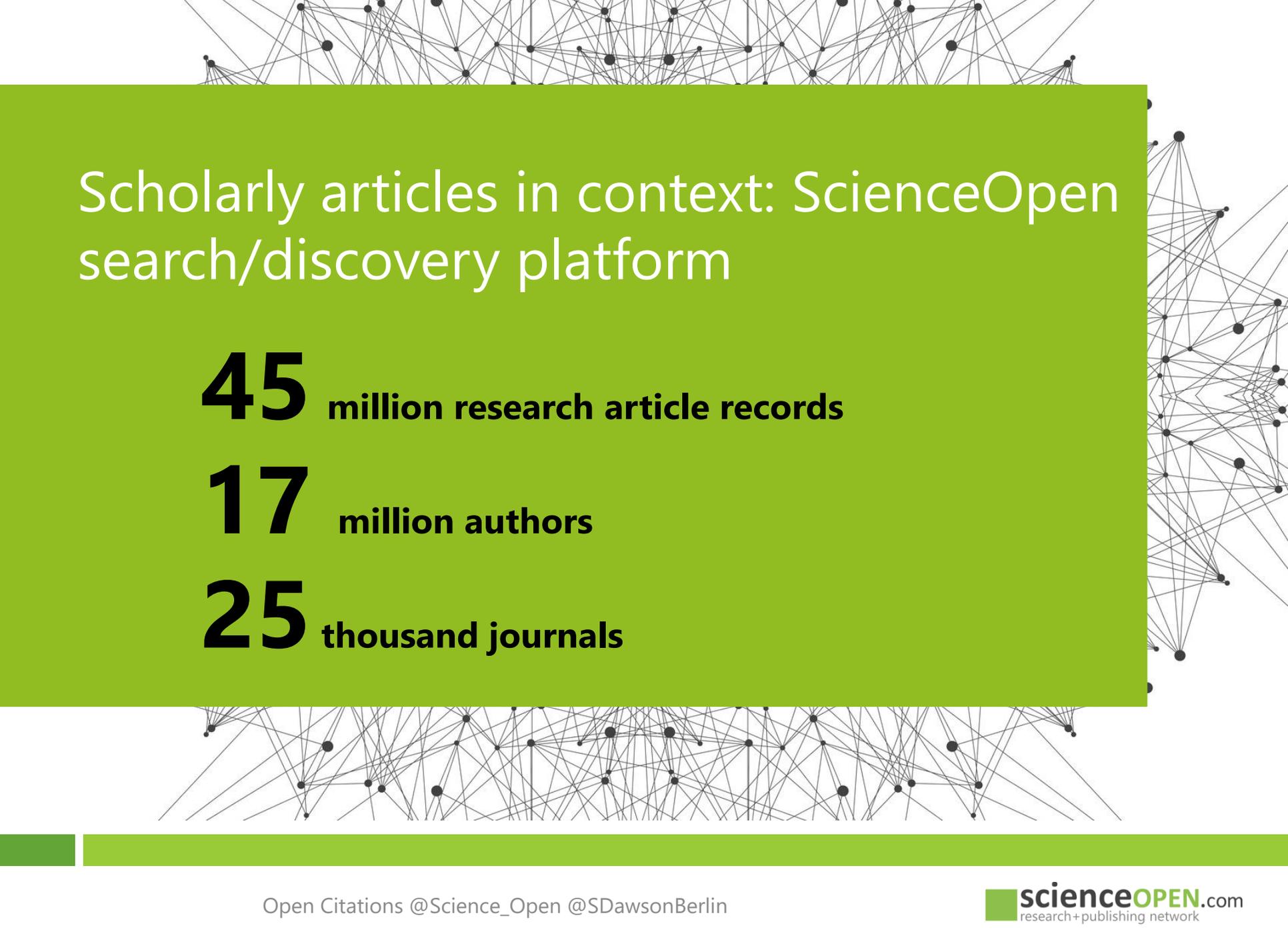


As of January 2018, the fraction of publications with open references has grown from 1% to more than 50% out of the nearly 38 million articles with references deposited with Crossref.





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

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 that contains the main text.

Scholarly articles in context: ScienceOpen search/discovery platform

45 million research article records

17 million authors

25 thousand journals

ScienceOpen database: Relationship between objects

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 - Article A has a reference to Article B
 - Article B is cited by Article A
 - The reference information can be extracted from
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 - 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,
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So how to make sense of 45 million articles?

Filter:

- Open Access
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Sort:

- Citations
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Lyme Disease

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RECORD ABSTRACT ARTICLE

Impacts of biodiversity on the emergence and transmission of infectious diseases.

Andrew Dobson, C. Drew Harvell, Sharon Mitchell, Samuel Myers, R Holt, 8 more... (2010)

Current unprecedented declines in biodiversity reduce the ability of ecological communities to provide many ecosystem services. Here we evaluate evidence that reduced biodiversity affects the transmission of infectious diseases of humans, other animals, and plants.

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RECORD ABSTRACT ARTICLE

Genomic sequence of a Lyme disease spirochaete, *Borrelia burgdorferi*.

Thomas C M Fraser, S Casjens, W Huang, G Sutton, R Clayton, 33 more... (1997)

The genome of the bacterium *Borrelia burgdorferi* B31, the aetiologic agent of Lyme disease, contains a linear chromosome of 910,725 base pairs and at least 17 linear and circular plasmids with a combined size of more than 533,000 base pairs. The chromosome contains 853 genes encoding a basic

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and transmission of infectious diseases.

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the transmission of infectious diseases of humans, other animals and plants. In principle.  Show more

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haete, Borrelia burgdorferi.

33 more... (1997)

1, the aetiologic agent of Lyme disease, contains a linear chromosome of 910,725 base pairs and at least

if more than 533,000 base pairs. The chromosome contains 853 genes encoding a basic  Show more

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entention of lyme disease, human granulocytic anaplasmosis, and babesiosis: clinical

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Nature Publishing Group	8
American Society for Microbiology	5

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Parasites & Vectors	9
BMC Public Health	4
Frontiers in Microbiology	4
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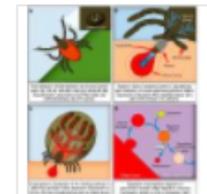
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RECORD ABSTRACT ARTICLE 

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, 



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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 

 6 views 0 recommend  9      0

Altmetric 18

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The Science of Twitter 2

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Narrow by journal

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Narrow by discipline

Uncategorized 8

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RECORD ABSTRACT ARTICLE

Emerging adulthood. A theory of development from the late teens through the twenties.

J Arnett (2000)

Emerging adulthood is proposed as a new conception of development for the period from the late teens through the twenties, with a focus on ages 18-25. A theoretical background is presented. Then evidence is provided to support the idea that emerging adulthood is a distinct period demograph

7 views 0 recommend 279 ☆☆☆☆☆ 0

Altmetric 6

RECORD ABSTRACT ARTICLE

Psychological aspects of natural language. use: our words, our selves.

James Pennebaker, Matthias Mehl, Kate G Niederhoffer (2002)

The words people use in their daily lives can reveal important aspects of their social and psychological worlds. With advances in computer technology, text analysis allows researchers to reliably and quickly assess features of what people say as well as subtleties in their linguistic styles. Following a

3 views 0 recommend 45 ☆☆☆☆☆ 0

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RECORD ABSTRACT ARTICLE



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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.

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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)

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Journal of Tissue Engineering and Regenerative Medicine	7
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RECORD ABSTRACT ARTICLE

Isolation of amniotic stem cell lines with potential for therapy.

Evan Y Snyder, Gustavo Mostoslavsky, M. Siddiqui, Sung Yoo, Laura Perin, & more... (2007)

Stem cells capable of differentiating to multiple lineages may be valuable for therapy. We report the isolation of fluid-derived stem (AFS) cells that express embryonic and adult stem cell markers. Undifferentiated AFS cells expand extensively

34 views 0 recommend 141

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Altmetric 31

RECORD ABSTRACT ARTICLE

Tissue-engineered autologous bladders for patients needing cystoplasty.

B Bauer, Anthony Atala, Alan B Retik, Shay Soker, John Yoo (2006)

Patients with end-stage bladder disease can be treated with cystoplasty using gastrointestinal segments. The presence of such segments in the urinary tract has been associated with many complications. We explored an alternative approach using autologous engineered bladder tissues for reconstruction

59 views 0 recommend 111

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Altmetric 111

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Content in context

Author's content in context

Publication statistics

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Author's publications cited by other publications

Altmetric aggregate of author's publications

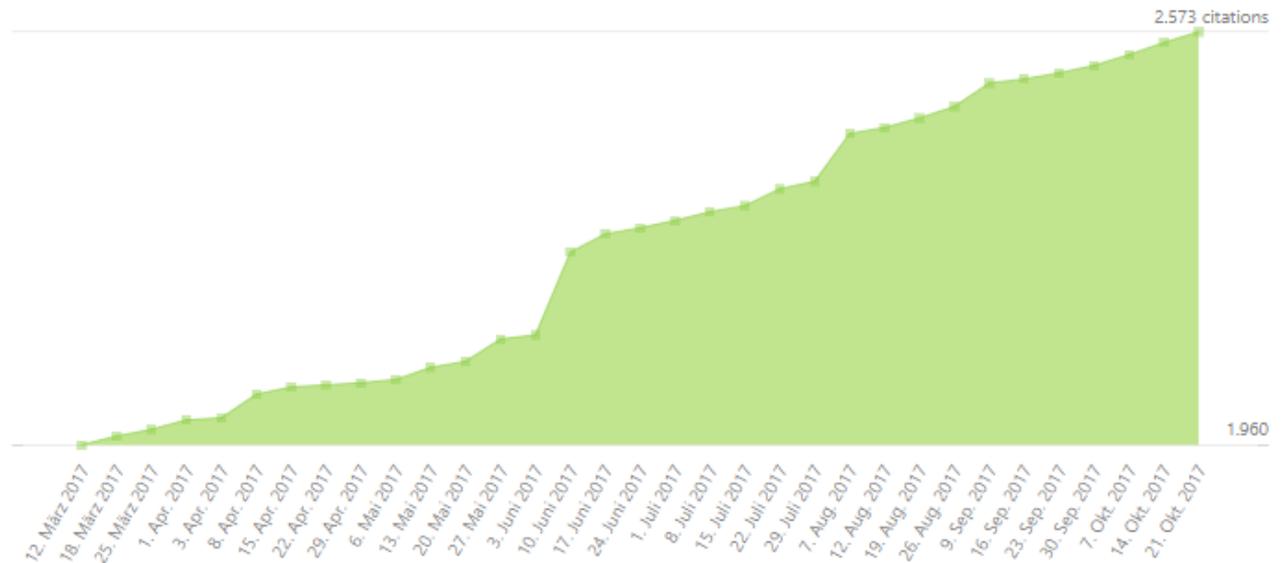


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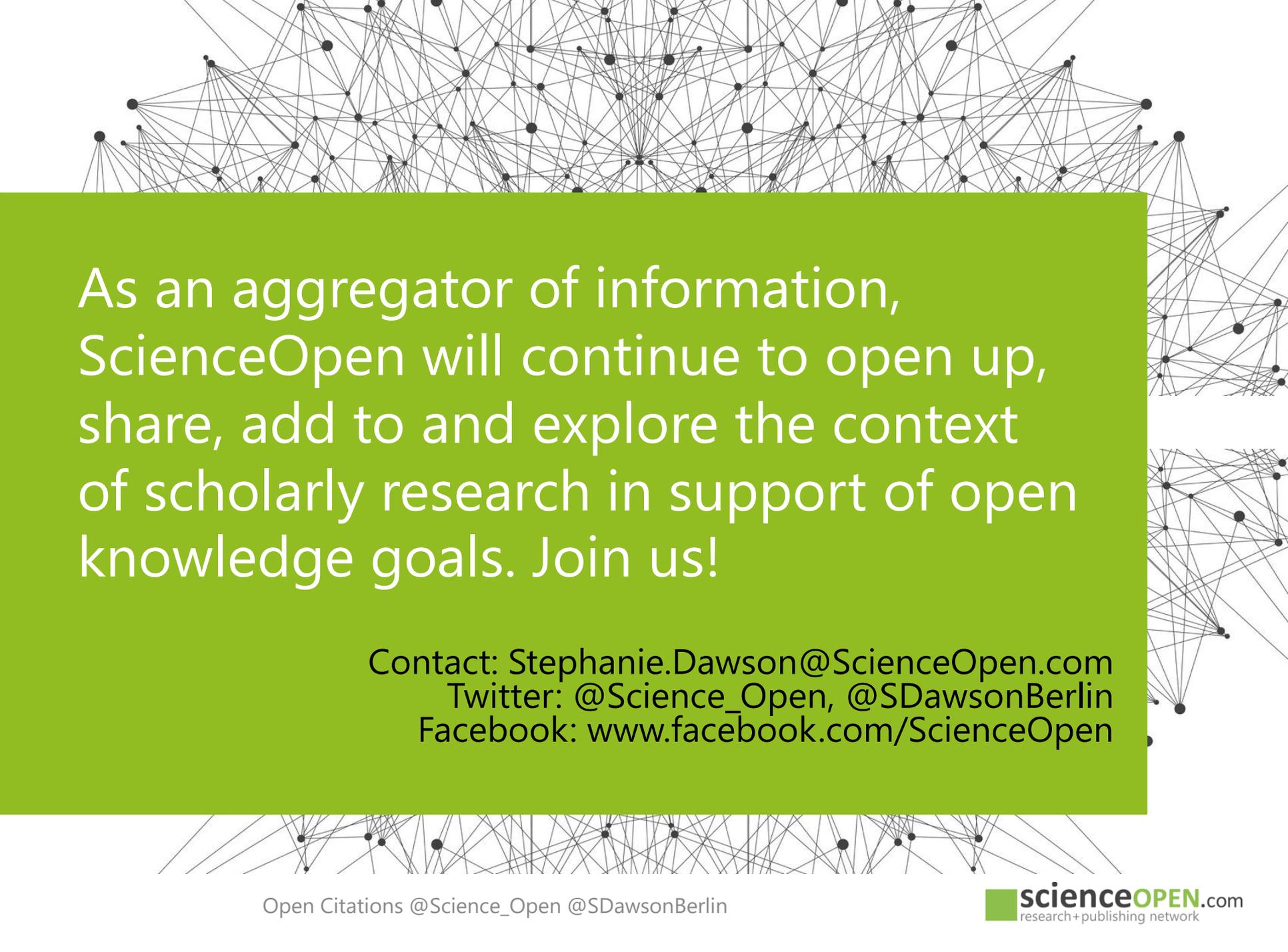
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Total Change over time



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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