



**New Perspectives  
in Scholarly Publishing –  
*Neue Wege  
der Informationsbereitstellung  
für die akademische Wissenschaft***

**Prof. Dr. Alexander Grossmann**  
HTWK Leipzig and ScienceOpen

**38. AGSB-Jahrestagung Leipzig**  
21. September 2017



 **scienceOPEN.com**  
research+publishing network

# Too much information?

2



Over 2m new papers per year in STM only...

# Too much information?

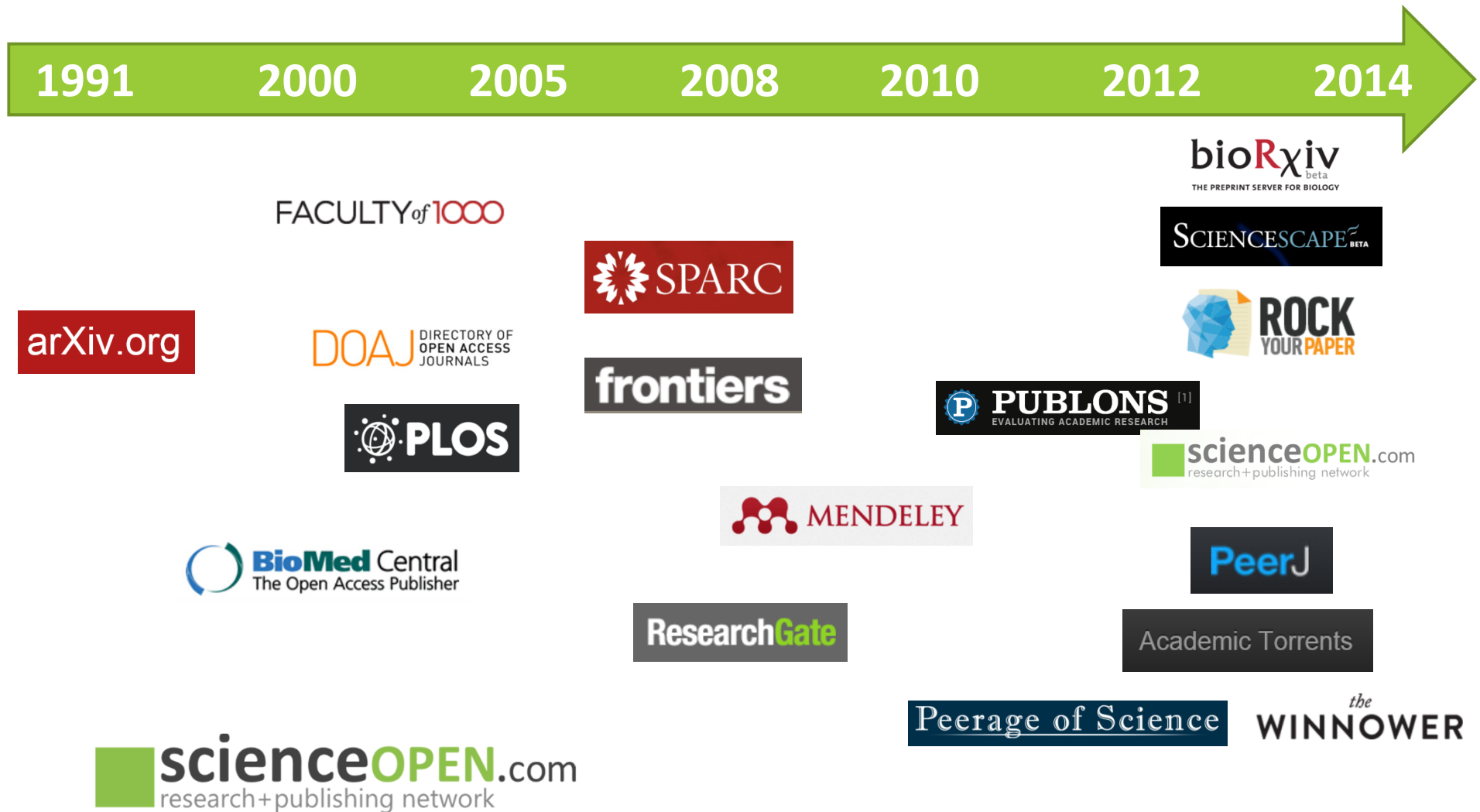
3



...how to find your institution's research?

# New projects in scientific communication

4



# Open Access and open peer review...

5



**DISCOVER**

Powerful algorithms suggest articles relevant to your research, with the best articles highlighted as recommended by F1000 Faculty Members.

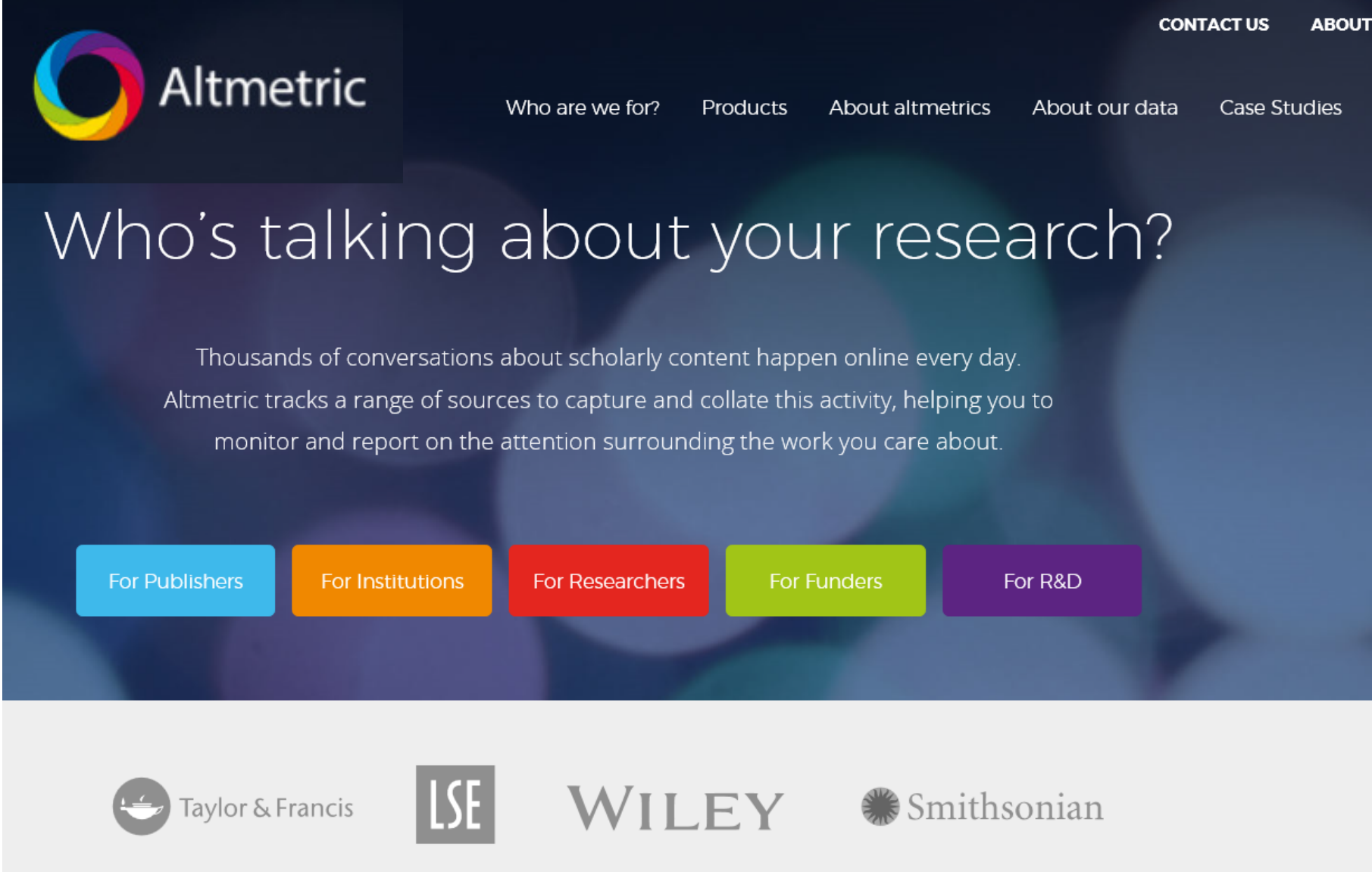
**WORK**

A rich suite of tools help with writing, collaborating, reference management and preparation for publishing in the journal of your choice.

The image shows the PubPeer website interface. At the top, it says "PubPeer The online journal club". Below that is a search bar with the placeholder text "Search by DOI, PMID, arXiv ID, keyword, author, etc.". Under the search bar, there is a small text block: "The PubPeer database contains all articles. Search results return articles with comments. To leave a new comment on a specific article, paste a unique identifier such as a DOI, PubMed ID, or arXiv ID into the search bar." Below this is an orange button labeled "Search Publications". Further down, it says "PubPeer comments on PubMed and journal websites with our browser extension!". At the bottom, there is a navigation menu: "Blog | Recent | Featured | About | Press | Contact | Journals | FAQ | Topics | Privacy Policy | Terms | Login". Below the menu is the copyright notice "Copyright © 2016 PubPeer, LLC" and a social media widget for Twitter: "Follow @PubPeer 7,690 followers".

# Alternative article level metrics...

6



The image shows a screenshot of the Altmetric website homepage. The header features the Altmetric logo on the left and navigation links for 'CONTACT US', 'ABOUT', 'Who are we for?', 'Products', 'About altmetrics', 'About our data', and 'Case Studies' on the right. The main content area has a large heading 'Who's talking about your research?' followed by a paragraph explaining that Altmetric tracks online conversations about scholarly content. Below this are five colored buttons: 'For Publishers' (light blue), 'For Institutions' (orange), 'For Researchers' (red), 'For Funders' (green), and 'For R&D' (purple). The footer contains logos for Taylor & Francis, LSE, WILEY, and Smithsonian.

**Altmetric** CONTACT US ABOUT

Who are we for? Products About altmetrics About our data Case Studies

## Who's talking about your research?

Thousands of conversations about scholarly content happen online every day. Altmetric tracks a range of sources to capture and collate this activity, helping you to monitor and report on the attention surrounding the work you care about.

For Publishers For Institutions For Researchers For Funders For R&D

Taylor & Francis LSE WILEY Smithsonian



# Collaborative writing...

7

Now Available: Link your ORCID iD to your Overleaf Account SIGN UP SIGN IN

**Overleaf** FEATURES & BENEFITS ▾ TEMPLATES PRICING COMPANY ▾ HELP

## Collaborative Writing and Publishing

Join 500,000+ authors enjoying the easiest way to create, collaborate and publish online

*Start writing now!* **CREATE A NEW PAPER**



The screenshot displays the Overleaf web interface. On the left, a sidebar shows a list of project categories: Academic Journal, Calendar, Homework Assignment, and Presentation. The main editor area shows a LaTeX document with the following content:

```
145 % Each section begins with a \section{title} command
146 Introduction
147 % \PARstart{I}{J} creates a tall first letter for this first paragraph
148 \PARstart{T}{his} section introduces the topic and leads the reader on to the main part.
149
150 % Main Part
151 Main Part
152 % LaTeX takes complete care of your document layout ...
153 The presentation's content is summarized in the report in 4-pages.
154 % ... but you can insert a line break manually with two backslashes, if needed: \\
155 The author should fill, but not exceed, this space. \\
156 The report should be a self-contained report, so that it can be understood without studying
    additional literature.
157
158 Format
```

The preview window on the right shows a document titled "Guidelines for Writing a Seminar Report" by Fantastic LaTeXer. It includes a table of contents, an introduction, a main part with a graph, and a format section. The graph shows a curve with data points and a legend. The format section includes instructions on how to write the report, such as "The report can be written in L<sup>A</sup>T<sub>E</sub>X or Microsoft Word, but L<sup>A</sup>T<sub>E</sub>X is definitely preferred. Its appearance should be as close to this document as possible to adhere consistency in the proceedings."

Over 5 million projects, authors from 3600 institutions and more than 2400 templates

# Self-promoting and author marketing...

8



Join | Sign In | Menu ☰

## Kudos for Researchers

Increase the reach and impact of your publications

Kudos is a free service through which you can broaden readership and increase the impact of your research. Kudos is more than a just a networking site, and more than just a publication listing. It is a toolkit for explaining your work in plain language and for enriching it with links to related materials ([watch a video about explaining and enriching](#)). Kudos also provides a unique one-stop shop for multiple metrics relating to your publications: page views, citations, full text downloads and altmetrics. When you explain, enrich and share your work through Kudos, we map your actions against these metrics in charts that show you which activities are most effective when it comes to increasing the reach and impact of your work ([watch a video about sharing your work](#)).



### Get Found

By sharing your work, and creating simple descriptions that we can share on your behalf, you maximize the likelihood of the right people finding and



### Get Read

Plain language descriptions help others in your field to filter more of the literature and determine which works to read in depth. They also make your



### Get Cited

Broadening your readership helps ensure the maximum possible exposure and impact for your work.



### Get Started

Kudos is quick to use, and free for researchers. Start enhancing the impact of your publications now.

START NOW



# New culture of communication...

9



**How to find relevant research...?**

**science**OPEN.com  
research+publishing network

# ScienceOpen

10

scienceOPEN.com  
research+publishing network

MY SCIENCEOPEN ▾ BLOG ABOUT  +



## Search over 34 million article records

Discover relevant research today



# 34m

Article records

# 25k

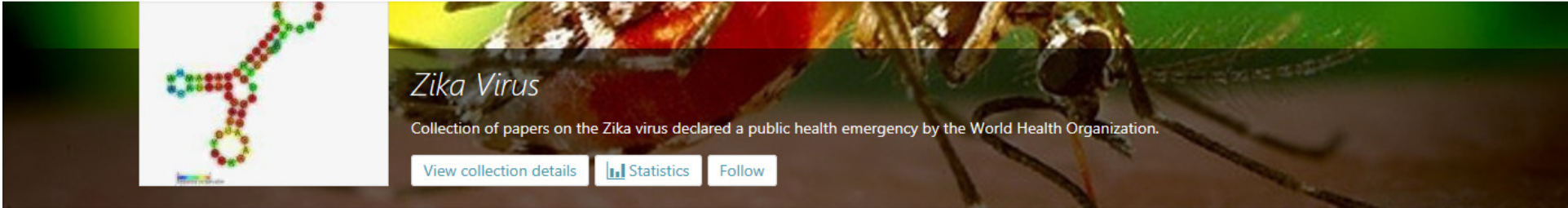
Journals

# 23m

Authors

# Collections on ScienceOpen

11



## Zika Virus

Collection of papers on the Zika virus declared a public health emergency by the World Health Organization.

[View collection details](#) [Statistics](#) [Follow](#)

1.885 articles	18.664 views	154.385 altmetric	☆☆☆☆ 0 reviews	6 recommends	48 shares	6 followers
-------------------	-----------------	----------------------	-------------------	-----------------	--------------	----------------

*i* These metrics are updated across the whole ScienceOpen platform every 24 hours. ✕

Narrow by collection

Climate Change: Open Access	27
Resource Identification	7
Ticks and tick-borne pathogens	4
The Science of Twitter	4

Narrow by publisher

Elsevier BV	203
Public Library of Science	196
Centers for Disease Control and Prevention	97
BioMed Central	89
Nature Publishing Group	72

Narrow by journal

PLoS Neglected Tropical Diseases	109
----------------------------------	-----

## Publications

Exact match

1.885 results

**Zika Virus and Birth Defects--Reviewing the Evidence for Causality.**  
Sonja Rasmussen, Denise Jamieson, Margaret A. Honein, Lyle Petersen (2016)

73 views  0 recommend  123  1  0 Altmetric 3,802

**Zika Virus Associated with Microcephaly.**  
Jernej Mlakar, Miša Korva, Nataša Tul, Mara Popovic, Mateja Poljšak-Prijatelj, 9 more... (2016)

A widespread epidemic of Zika virus (ZIKV) infection was reported in 2015 in South and Central America and the Caribbean. A major concern associated with this infection is the apparent increased incidence of microcephaly in fetuses born to mothers infected with ZIKV. In this report, we describe t

- Sort by Altmetric score
- Sort by average rating
- Sort by cited by count
- Sort by date
- Sort by read count
- Sort by relevance



# Collections on ScienceOpen

12

The screenshot displays the ScienceOpen interface for a 'Zika Virus' collection. At the top, there's a navigation bar with 'MY SCIENCEOPEN ▾', 'BLOG', 'ABOUT', and a search bar. Below the navigation, a banner image shows a mosquito and a molecular structure. The 'Zika Virus' collection title is prominent, with a subtitle 'Collection of papers on the Zika Virus' and a 'View collection details' button. Metrics are shown: 1,885 articles, 18,664 views, and 154,385 altmetric. A dropdown menu is open, listing various filters: Title, Abstract, Author, Keyword, Publisher name, Journal name, ID, Publication date range, Publication date in the last, Collection, Content type, Record type, Source, Discipline, Open Access, Indexed on ScienceOpen in the last, Affiliation, Validation, and Preprint. The 'Open Access' option is circled in green. To the right, a secondary dropdown menu shows sorting options: 'Sort by Altmetric score' (selected), 'Sort by average rating', 'Sort by cited by count', 'Sort by date', 'Sort by read count', and 'Sort by relevance'. The main content area shows a 'Publications' section with a search bar and a list of results, including 'Zika Virus and Birth Defects' and 'Zika Virus Associated with Microcephaly'.

# Collections: context information



1,885 articles LATEST ARTICLES	18,664 views MOST VIEWED	154,385 altmetric TOP ARTICLES	☆☆☆☆☆ 0 reviews HIGHEST RATED	6 recommends + 1 RECOMMEND	48 shares SHARE ▾	6 followers FOLLOW
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These metrics are updated across the whole ScienceOpen platform every 24 hours.

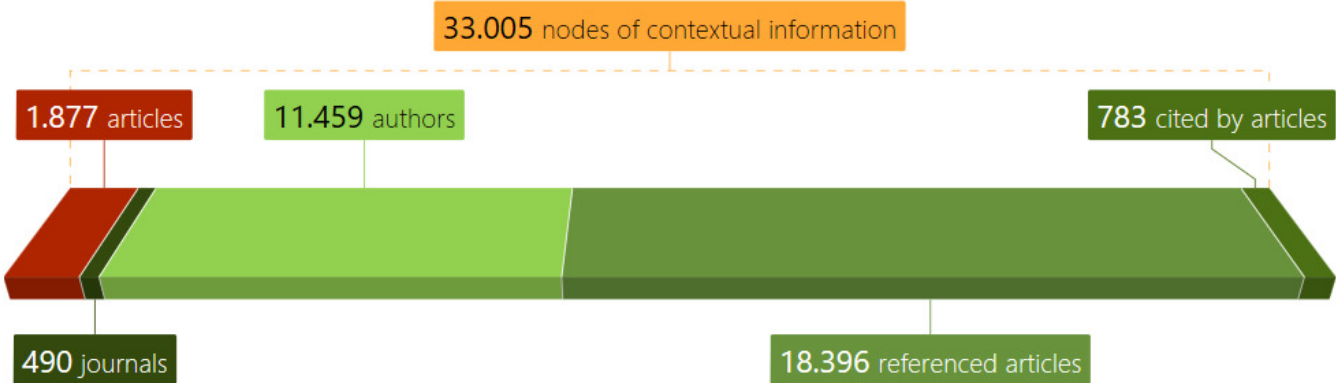
Content in context

Collection's content in context

Publication statistics

Article count
Article view count
Average view count
Share count
Activity count (aggregated number of recommendations, reviews and comments)

Collection's content in context



# Collections: all features

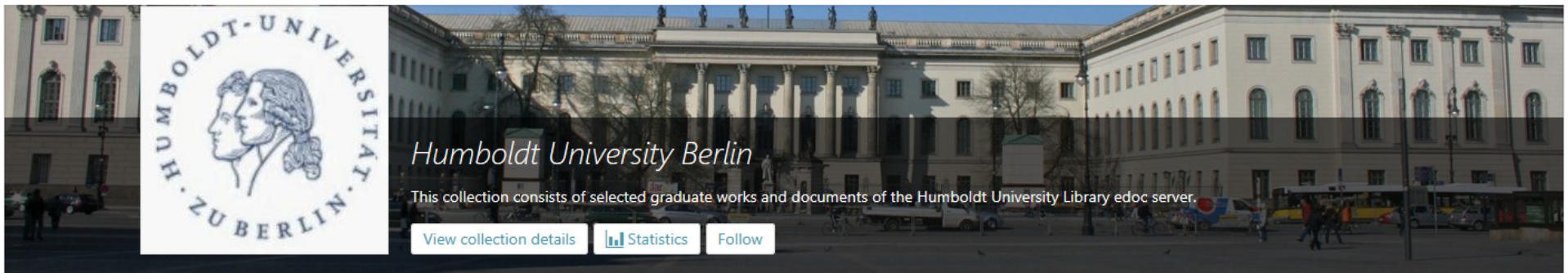
14

- Set up and curate your **topical collection** of relevant publications in your specific field of research, or
- Making your institution's research output visible as **research database**



# Collections: all features

15



**Humboldt University Berlin**

This collection consists of selected graduate works and documents of the Humboldt University Library edoc server.

[View collection details](#) [Statistics](#) [Follow](#)

3.631 articles	7.503 views	0 altmetric	☆☆☆☆☆ 0 reviews	5 recommends	2 shares	7 followers
-------------------	----------------	----------------	--------------------	-----------------	-------------	----------------

*i* These metrics are updated across the whole ScienceOpen platform every 24 hours. ✕

Narrow by collection

Ticks and tick-borne pathogens 2

Narrow by publisher

- Mathematisch-Naturwissenschaftliche Fakultät, Humboldt-Universität 69
- Medizinische Fakultät - Universitätsklinikum Charité, Humboldt-Universität 797
- Mathematisch-Naturwissenschaftliche Fakultät II, Humboldt-Universität 385
- Philosophische Fakultät I, Humboldt-Universität 380
- Landwirtschaftlich-Gärtnerische Fakultät, Humboldt-Universität 94

## Publications

Enter some words to filter items below

3.631 results [Add filter ▾](#) [Save search](#) [Export as citations ▾](#)

**RECORD** ABSTRACT ARTICLE

### Impact of IL-7 signaling on adoptive T cell therapy

Katrin Deiser, W Uckert, T Schüler, I Schmitz (2016)

Interleukin-7 (IL-7) is an essential cytokine required for the development and maintenance of mature T cell. Its availability but rises during lymphopenia, leading to increased T cell proliferation. The administration of recombinant IL-7 to normal conditions, ...

29 views 0 recommend  0  1 ☆☆☆☆☆ 0

[Sort by date ▾](#) [Search](#)

- Sort by Altmetric score
- Sort by average rating
- Sort by cited by count
- Sort by date**
- Sort by read count
- Sort by relevance

[Remove](#)

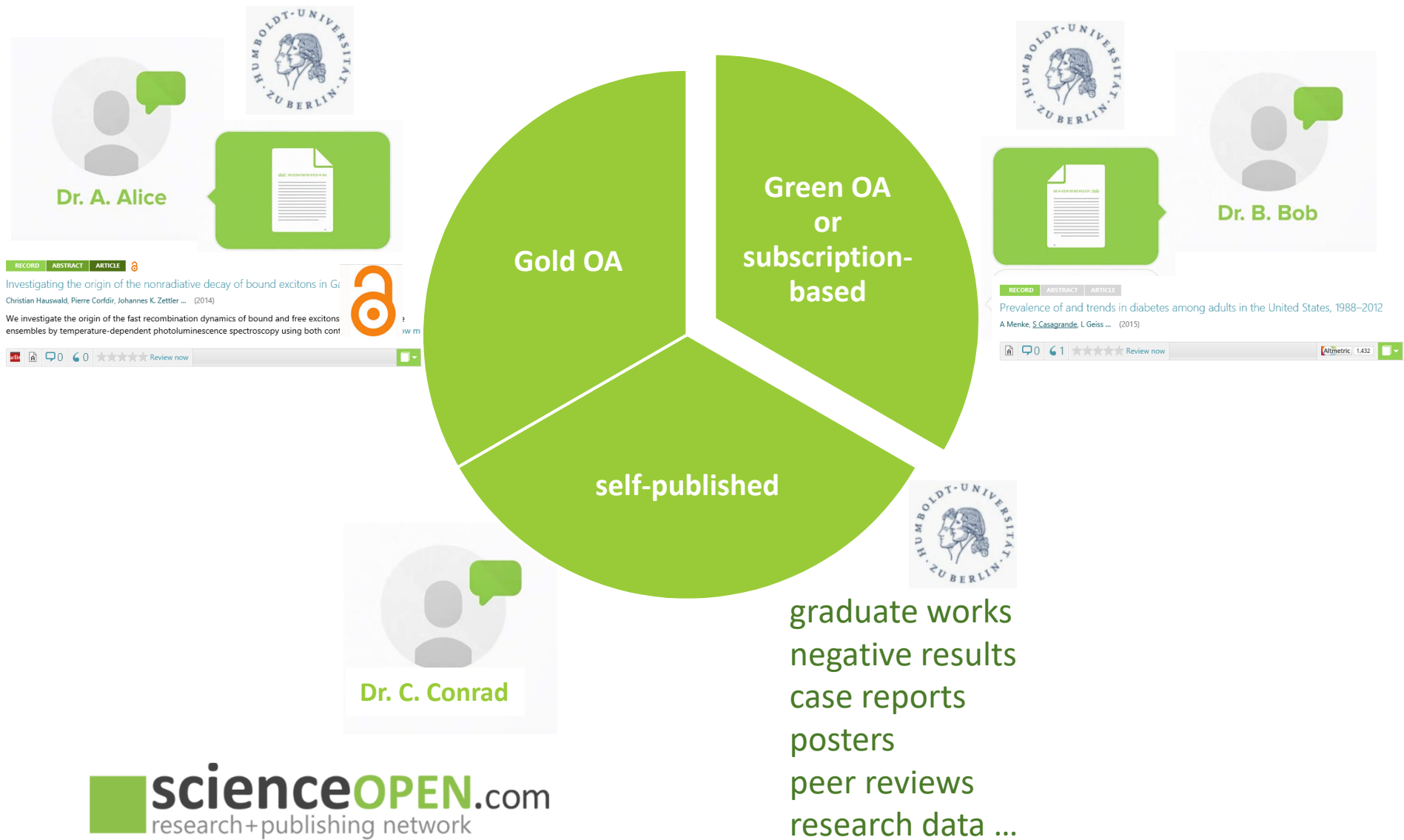
# Collections: all features

16

- Set up and curate your **topical collection** of relevant publications in your specific field of research, or
- Making your institution's research output visible as **research database**
- **All types** of research publications can be aggregated (OA; non-OA; self-archived,...)

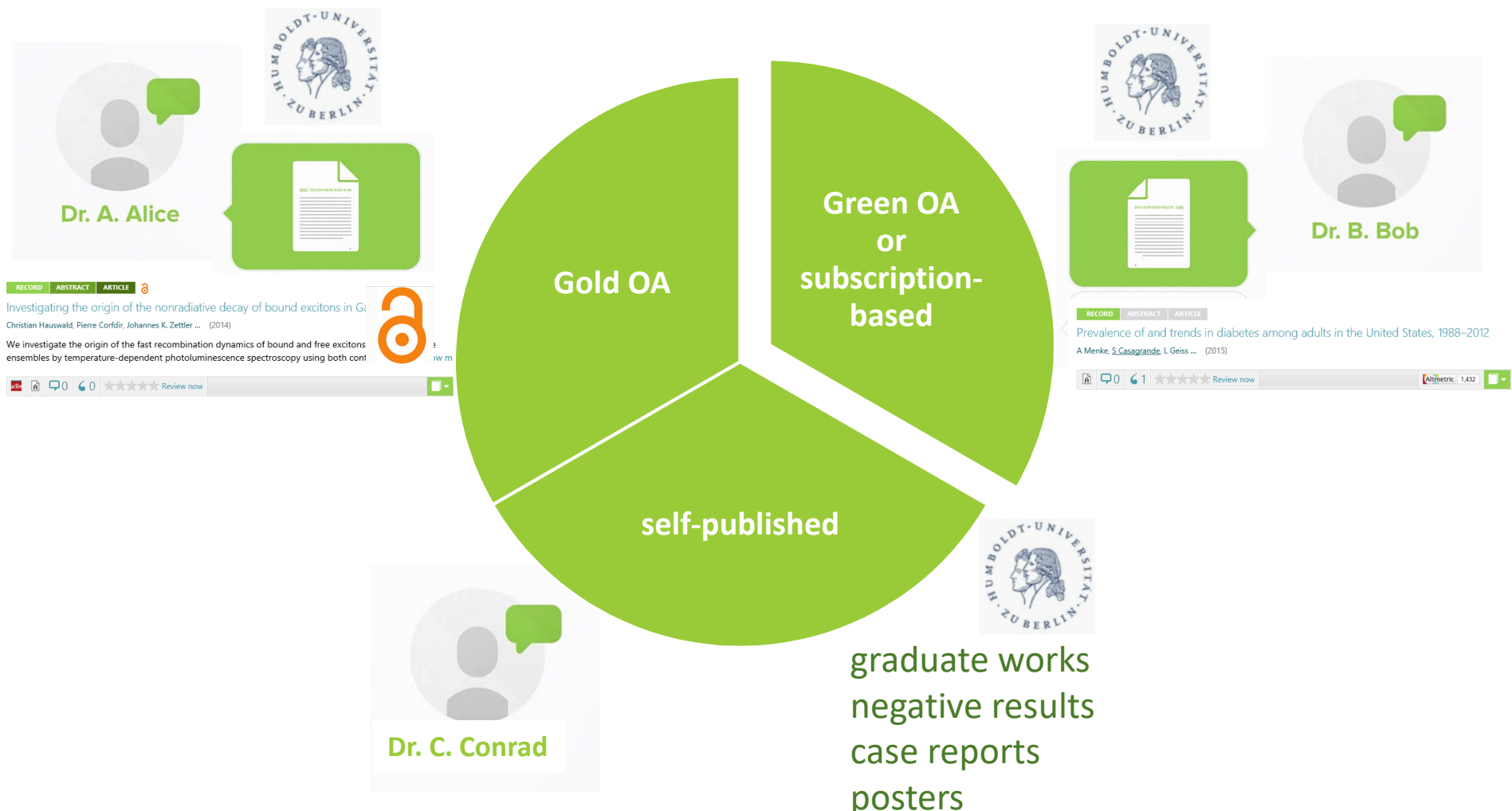
# ScienceOpen: Aggregating content

17



# ScienceOpen: Aggregating content

18



for an institutional dynamic bibliography

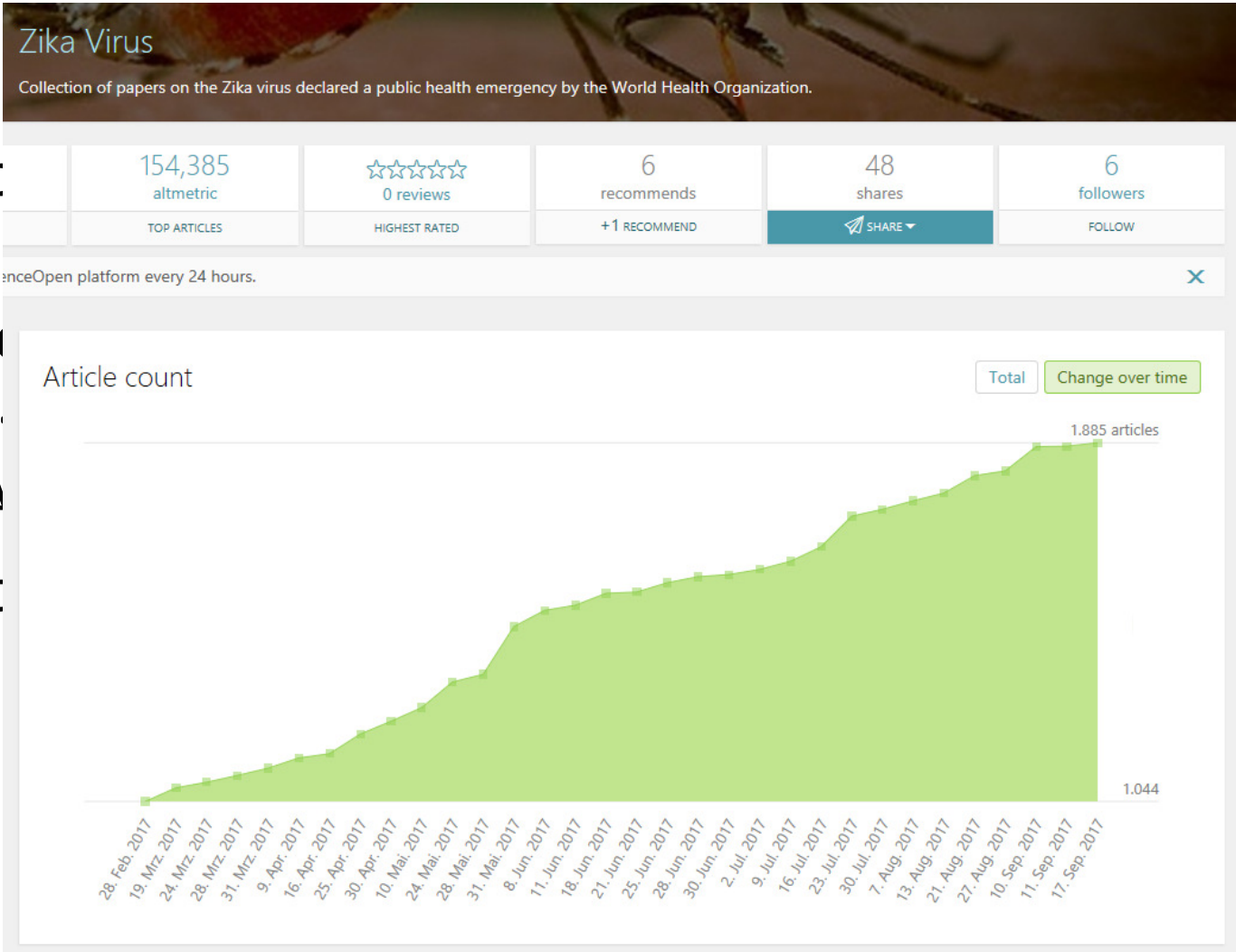
# Collections: all features

19

- ❑ Set up and curate your **topical collection** of relevant publications in your specific field of research, or
- ❑ Making your institution's research output visible as **research database**
- ❑ **All types** of research publications can be aggregated (OA; non-OA; self-archived,...)
- ❑ Automated **import** of new publications

# Collections on ScienceOpen...

- Set up
- Main
- res
- All (OA)
- Aut



Want  
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ated



# Collections on ScienceOpen...

21

- ❑ Set up and curate your **topical collection** of relevant publications in your specific field of research, or
- ❑ Making your institution's research output visible as **research database**
- ❑ **All types** of research publications can be aggregated (OA; non-OA; self-archived,...)
- ❑ Automated **import** of new publications
- ❑ Connecting with researchers' profiles **via ORCID**

# Collections on ScienceOpen...

The screenshot shows the ORCID profile for Alexander Grossmann. The profile includes a search bar at the top, navigation links for 'EDIT YOUR RECORD', 'ABOUT ORCID', 'CONTACT US', and 'HELP', and a language dropdown set to 'English'. The profile header displays the ORCID logo and the tagline 'Connecting Research and Researchers', along with a count of 3,846,324 ORCID iDs. The main content area is divided into sections: 'Biography' (Physicist; Associate Professor of Physics until 2001; Working in academic publishing industry (Wiley-Blackwell, Springer, De Gruyter) since 2001; Currently Professor of Publishing Management in Leipzig (DE) and founder of ScienceOpen (US/DE). I am interested in developing new methods of scholarly communication, open and post-publication peer review, open access.), 'ORCID ID' (orcid.org/0000-0001-9169-5685), 'Keywords' (Publishing, Physics, OpenAccess, OA, Open Science), 'Websites' (www.scienceopen.com), and 'Education (3)'. The education section lists three institutions: Hochschule für Technik Wirtschaft und Kultur Leipzig (2013-07-01 to present), Research Center Jülich (1993 to 1996), and RWTH Aachen (1987 to 1993).

of relevant  
research, or

not visible as

aggregated

ORCID

# Collections on ScienceOpen...

23

35 publications	9979 views	0 reviews	703 follows	64 followers	4 edited collections	11 followed collections	77 bookmarks
TOP PUBLICATIONS	MOST VIEWED	LATEST REVIEWS	TOP FOLLOWED USERS	FOLLOW	ALL EDITED	ALL FOLLOWED	TOP BOOKMARKS

## Publications

35

RECORD ORCID PROFILE

Publishing in transition – do we still need scientific journals?

Authors: Alexander Grossmann (corresponding)

Open Access als Utopie?

Authors: Daniel Hürlimann, Alexander Grossmann

A welcome to authors, users, and readers who want to explore a new way to collect scholarly content

Authors: Alexander Grossmann (corresponding)

All publications ▶

## Edited collections

4

Gravitational Waves

Humboldt University Berlin

Perspectives in Scholarly Publishing

All edited collections ▶

## Followed collections

11

Cancer Immunotherapy

The Thoracic and Cardiovascular Surgeon Reports

Perspectives in Scholarly Publishing

All followed collections ▶

## Alexander Grossmann



Disciplines: Physics

Status: Expert member

Keywords: OA, Open Science, OpenAccess, Physics, Publishing

Employment: Full Professor at HTWK University of Applied Sciences Leipzig

Education: Hochschule für Technik Wirtschaft und Kultur Leipzig

Friendly URL: <https://www.scienceopen.com/user/alexandergrossmann>

Orcid ID: [orcid.org/0000-0001-9169-5685](https://orcid.org/0000-0001-9169-5685)

Edit profile Actions ▾ Share ▾ Statistics Notifications preferences  
ORCID integration Get more content

## Biography

Physicist; Associate Professor of Physics until 2001; Working in academic publishing industry (Wiley-Blackwell, Springer, De Gruyter) since 2001; Currently Professor of Publishing Management in Leipzig (DE) and founder of ScienceOpen (US/DE). I am interested in developing new methods of scholarly communication, open and post-publication peer review, open access.

## Employment

HTWK University of Applied Sciences Leipzig (2013-07 to present)

Full Professor in Department of Media and Publishing  
Leipzig, Sachsen

# Collections on ScienceOpen...

24

- ❑ Set up and curate your **topical collection** of relevant publications in your specific field of research, or
- ❑ Making your institution's research output visible as **research database**
- ❑ **All types** of research publications can be aggregated (OA; non-OA; self-archived,...)
- ❑ Automated **import** of new publications
- ❑ Connecting with researchers' profiles **via ORCID**

# Collections on ScienceOpen...

25

- ❑ Set up and curate your **topical collection** of relevant publications in your specific field of research, or
- ❑ Making your institution's research output visible as **research database**
- ❑ **All types** of research publications can be aggregated (OA; non-OA; self-archived,...)
- ❑ Automated **import** of new publications
- ❑ Connecting with researchers' profiles **via ORCID**
- ❑ **Usage statistics**, citations, Altmetric per article
- ❑ All information **free and open** for everyone worldwide

# More advantages for institutions

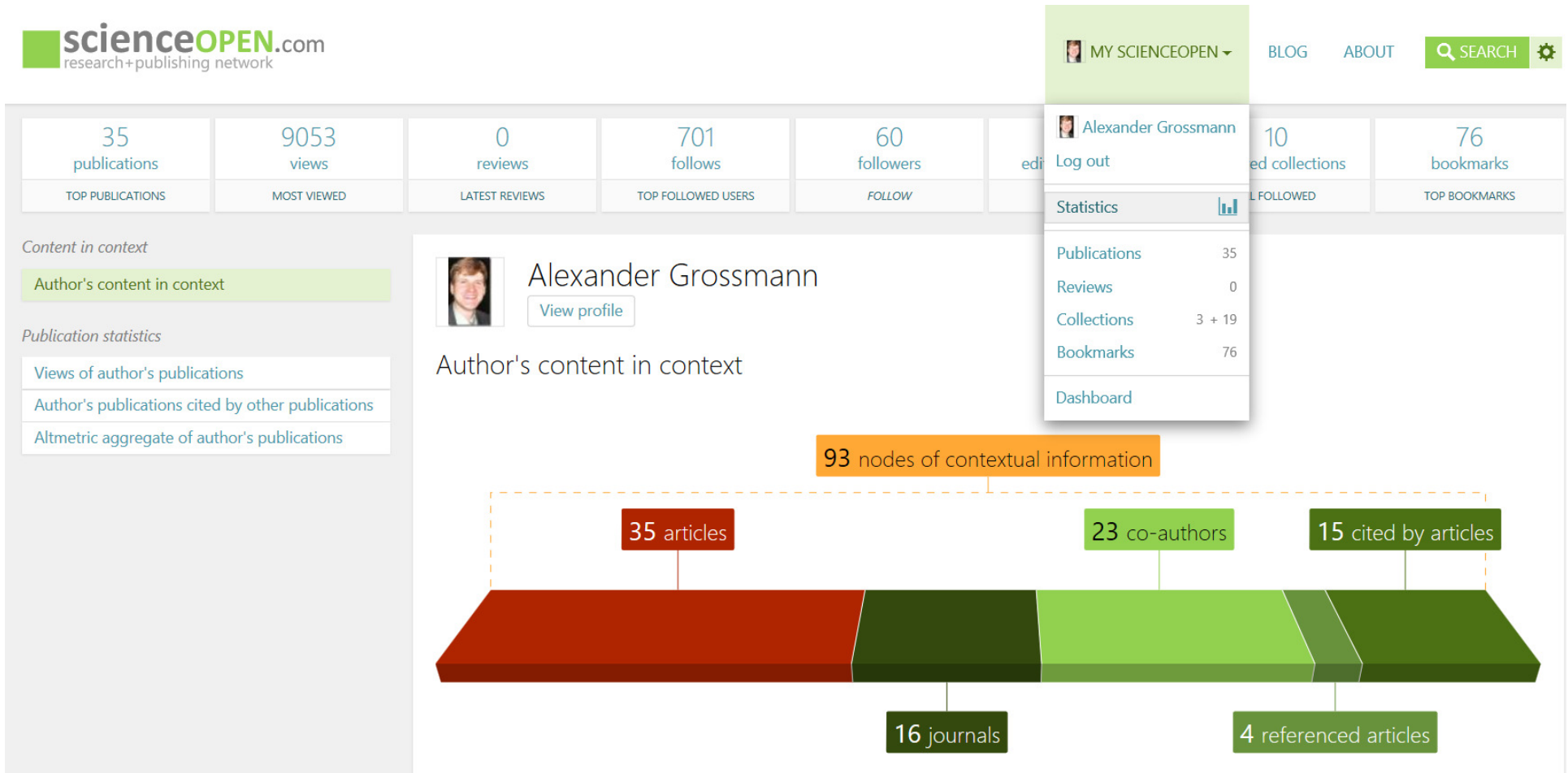
26

- **Reporting** for your institutional admin or controlling system
- **Extract** your (re)search to an internal system
- Enhance your database with **metadata** (references, OA, usage, moving wall date)
- Improve **visibility for research(ers)** without extra effort
- Let your researchers track and monitor their impact: **MyScienceOpen**




# MyScienceOpen: Author statistics

27



# MyScienceOpen: Get more content

28



Alexander Grossmann

Disciplines:  
[Physics](#)

Member status:  
[Expert member](#)

### Get more content

<a href="#">News</a>	
<a href="#">Messages</a>	0
<a href="#">Notifications</a>	22
<a href="#">Comments</a>	0
<a href="#">Reviews</a>	0
<a href="#">Followers</a>	9
<a href="#">Collections</a>	0

## Dashboard

### Get more content

- From ORCID profile

Import your biography and articles from your ORCID account. If needed, below you can *Update ORCID permissions* or *Edit ORCID profile*. After clicking on *Refresh from ORCID*, your ORCID records will be automatically imported to ScienceOpen. ScienceOpen requires a valid ID (DOI, PMC, ArXiv or DOAJ ID) in order to validate articles added to your profile. ORCID offers support in adding content via standard databases.

[Edit ORCID profile](#) [Refresh from ORCID](#) [Update ORCID permissions](#)
- Claim your articles | 42 matching

Here you can select your publications and confirm authorship. Click on the *Claim authorship* button to confirm each of your publications. These records will be added to your publications.

[Browse articles](#)

# MyScienceOpen: Claiming articles

29



Alexander Grossmann

[View profile](#)

[Statistics](#)

[New search](#) ✕

Publications waiting for your confirmation of authorship

42 results

[Add filter](#) ▾

[Saved searches](#)

[Sort by Altmetric score](#) ▾



[Search](#) 🔍

**RECORD**

ABSTRACT

ARTICLE

Open Letter to The American Association for the Advancement of Science

Jonathan P. Tennant, Timothée Poisot, M. Kubke, Francois Michonneau, Michael Taylor, 108 more... (2014)



88 views



0

Altmetric

172

Claim authorship

Mark as not mine



...manage articles and feed back to ORCID

# Impressive usage numbers...

30

The screenshot displays the scienceOPEN.com website interface. At the top left is the logo "scienceOPEN.com research+publishing network". Navigation links include "MY SCIENCEOPEN", "BLOG", "ABOUT", and a "SEARCH" button with a magnifying glass icon. A statistics bar shows four metrics: "165.510 articles", "2.134.081 readers" (circled in green), "967.658 altmetric", and "★★★★☆ 3 reviews". Below this is a "Narrow by collection" sidebar with a list of categories and their counts: "Crocodilian evolution" (15), "EU NanoSafety Cluster Publications: Journal Articles" (14), "Ceratopsia" (10), "Role of Microbes in Soil Fertility and Human Health" (10), and "Language change" (10). The main content area features a search for "PLOS ONE" with a "New search" button. Below the search bar, it shows "165.510 results" and options for "Add filter", "Saved searches", and "Sort by Altmetric score". A "RECORD" button is highlighted in green. The first search result is titled "Conscious Brain-to-Brain Communication in Humans Using Non-". At the bottom, a green banner with a right-pointing arrow contains the text "Over 2m extra views on articles of one journal".

scienceOPEN.com  
research+publishing network

MY SCIENCEOPEN ▾ BLOG ABOUT

165.510 articles

2.134.081 readers

967.658 altmetric

★★★★☆  
3 reviews

Narrow by collection

- Crocodilian evolution 15
- EU NanoSafety Cluster Publications: Journal Articles 14
- Ceratopsia 10
- Role of Microbes in Soil Fertility and Human Health 10
- Language change 10

Narrow by publisher

Narrow by discipline

Uncategorized 165.207

PLOS ONE

JOURNAL

Publications

165.510 results Add filter ▾ Saved searches Sort by Altmetric score ▾

RECORD ABSTRACT ARTICLE

Conscious Brain-to-Brain Communication in Humans Using Non-

Human sensory and motor systems provide the natural means for the exchange of information between individuals, and, hence, the basis for human communication.

Over 2m extra views on articles of one journal

Narrow by institution

Humboldt University Charité 787

Narrow by collection

Zika Virus 3  
Coleoptera 2  
Endoscopy International Open 2

Narrow by publisher

Public Library of Science 558  
BioMed Central 361  
Hindawi Publishing Corporation 229  
Medknow Publications 166  
Nature Publishing Group 112

Narrow by journal

Helicobacter 787  
Alimentary Pharmacology & Therapeutics 558

# Search

New search X

Content Authors Collections Featured Journals Publishers **Institutions**

Helicobacter

39,399 results

Add filter ▾

Saved searches

Sort by Altmetric score ▾



Search

RECORD ABSTRACT ARTICLE

## The 5300-year-old *Helicobacter pylori* genome of the Iceman.

Frank Maixner, Ben Krause-Kyora, Dmitriy Turaev, Alexander Herbig, Michael R Hoopmann, 18 more... (2016)

The stomach bacterium *Helicobacter pylori* is one of the most prevalent human pathogens. It has dispersed globally with its human host, resulting in a distinct phylogeographic pattern that can be used to trace human migration. [Show more](#)

3 readers 0 6 0

Altmetric 995

RECORD ABSTRACT ARTICLE

## Global burden of cancers attributable to infections in 2008: a review and synthetic analysis.

Jacques Ferlay, Martyn Plummer, Freddie Bray, Silvia Franceschi, Jerome Vignat, 2 more... (2012)

Infections with certain viruses, bacteria, and parasites have been identified as strong risk factors for specific cancers. An update of their respective contribution to the global burden of cancer is warranted. [Show more](#)



...make your institution's research more visible

# Some our customers and partners...

32



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HEALTH  
SUMMIT

CASPA



BRILL

ORCID



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OPEN ACCESS  
JOURNALS



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HIGHER EDUCATION PRESS