



Wikidata as a structured repository of bibliographic data

Dario Taraborelli • Daniel Mietchen • Lydia Pintscher

WikidataCon 2017 • Berlin, 28 October 2017

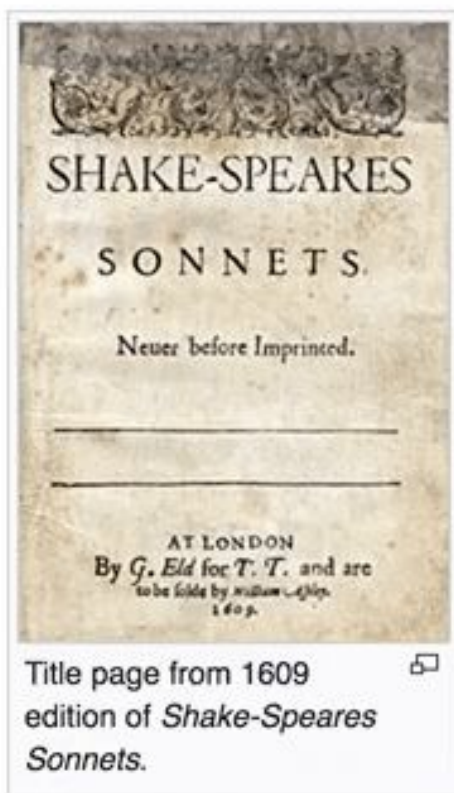


* CITATION NEEDED!

SCIENCE MAKES AMERICA GREAT

SCIENCE neurons not MORONS

SCIENCE IS REAL
BUT NEEDS TO BE DECIDED



Title page from 1609 edition of *Shake-Speares Sonnets*.

Published in 1609, the *Sonnets* were the last of Shakespeare's non-dramatic works to be published. The sequence of the 154 sonnets was composed, but evidence suggests that Shakespeare wrote sonnets in a different order.^[132] Even before the two unauthorised sonnets appeared in *The Passionate Pilgrim* in 1599, Shakespeare's "sugred Sonnets among his private friends".^[133] Few analysts believe that the sonnets were intended to be read in the intended sequence.^[134] He seems to have planned two contrasting series: one about unrequited love (the "dark lady"), and one about conflicted love for a fair young man (the "fair youth"). It is unclear if they represent real individuals, or if the authorial "I" who addresses them represents Shakespeare himself. With the sonnets "Shakespeare unlocked his heart".^[135]

The 1609 edition was dedicated to a "Mr. W.H.", credited as "the only begetter" of the poems. It is not known whether this was written by Shakespeare himself or by the publisher, Thomas Thorpe, whose initials appear at the foot of the dedication page; nor is it known who Mr. W.H. was, despite numerous theories, or whether Shakespeare even authorised the publication.^[136] Critics praise the *Sonnets* as a profound meditation on the nature of love, sexual passion, procreation, death, and time.^[137]

 Clear

On March 20, 2017, FBI director James Comey testified to the [House Intelligence Committee](#) that the FBI has been conducting an investigation into Russian interference since July 2016, including possible coordination between associates of Trump and Russia.^{[25][26]} In an effort to curtail the investigation, [Trump dismissed Comey](#) as head of the FBI on May 9, 2017.^[27] In a memo written by James Comey to end the investigation into Mike Flynn..^{[28][29][30]} On May 17, 2017, [Deputy Attorney General Rod Rosenstein](#) appointed Matthew Whitely as special counsel in its investigation.^[31] The White House has expressed interest in using legal laws to slow and block parts of the investigation, including stopping the investigation on [Jared Kushner](#) and [Paul Manafort](#).^[32]

Russian involvement

Vladimir Putin involvement

We assess Russian President Vladimir Putin ordered an influence campaign in 2016 aimed at the US presidential election. Russia's goals were to undermine public faith in the US democratic process, denigrate Secretary Clinton, and harm her electability and potential presidency. We further assess Putin and the Russian Government developed a clear preference for President-elect Trump. We have high confidence in these judgments.^[4]

This assessment^[4] was published in public, non-classified form in January 2017 by the Office of the Director of National Intelligence, representing the work of the [Federal Bureau of Investigation](#) (FBI), the [Central Intelligence Agency](#) (CIA), and the [National Security Agency](#) (NSA). The FBI and CIA gave the assessment with high confidence and the NSA with moderate confidence.



fake news solutions



All

News

Images

Videos

Shopping

More

Settings

Tools

About 5,470,000 results (0.50 seconds)

What causes fake news, and what are its solutions? Journalists from ...

www.poynter.org/2017/what-causes-fake-news-and-what...solutions.../458582/ ▼

May 4, 2017 - Folkenflik's comments, made during a Thursday evening panel at The Poynter Institute about the rise of **fake news**, underscored a troubling ...

Solutions that can stop fake news spreading - BBC News

www.bbc.com/news/blogs-trending-38769996 ▼

Jan 30, 2017 - **Fake news** - from false celebrity gossip to the fabricated story of Pope Francis endorsing Donald Trump - became a huge issue during the US ...

How to solve Facebook's fake news problem: experts pitch their ideas ...

<https://www.theguardian.com> › Technology › Facebook ▼

Nov 29, 2016 - If publishing **fake news** was punishable with bans on Facebook then it ... of trying to think up **solutions** to the problem, starting with a rambling ...

Hurricane Kirk

On August 22, the National Hurricane Center noted a strong tropical wave moving off the coast of Africa, and began monitoring it for further development.^[117] The wave traveled west-northwestward into the Central Atlantic while slowly becoming more organized. By August 28th, it finally gained sufficient organization to be classified as a tropical depression by the National Hurricane Center.^[118] Later that evening, a satellite pass determined that the depression had strengthened into a tropical storm, and was given the name Kirk at 11 p.m AST (0300 UTC).^[119] Kirk later strengthened into a hurricane on August 30.^[120] It later further intensified into a category 2 hurricane on August 31.^[121] Due to cold SSTs and wind shear, Kirk started to weaken. By September 2nd, Kirk was not expected to "live long and prosper" by the NHC as it began to undergo extratropical transition.^[122] It became a post-tropical cyclone on September 2 at 5:00 p.m. EDT. Kirk's remnants would hit the UK days later, bringing high winds. ^[citation needed]

Category 2 hurricane (SSHWS)



Duration	August 28 – September 2
Peak intensity	105 mph (165 km/h) (1-min) 970 mbar (hPa)

Citations for the sum of all human knowledge

References in Wikipedia

The molecular origins of insulin go at least as far back as the simplest unicellular [[eukaryotes]].<ref name='LeRoith'>{{cite journal | vauthors = LeRoith D, Shiloach J, Heffron R, Rubinovitz C, Tanenbaum R, Roth J | title = Insulin-related material in microbes: similarities and differences from mammalian insulins | journal = Can. J. Biochem. Cell Biol. | volume = 63 | issue = 8 | pages = 839-49 | year = 1985 | pmid = 3933801 | doi = 10.1139/o85-106 }} Apart from animals, insulin-like proteins are also known to exist in Fungi and Protista kingdoms.

2005

Related projects [\[edit\]](#)

and historical discussion

Over the last six years, there have been a number of proposals for [new Wikimedia projects](#) and for technological changes to Mediawiki that would provide spaces for summaries, metadata, and discussion of references cited in Wikipedia articles and in other Wikimedia projects. These proposals include:

- [Wikicite \(metadata proposal\)](#) - a 2005 proposal to build an "expansion" to Mediawiki that would store and track bibliographic information for citations used in Wikipedia articles
- [Wikicat](#), [Wikicite \(2006 proposal\)](#), and [WikiProject Wikicite](#) - a series of related [new project proposals](#) based on the earlier [Wikicite metadata proposal](#)
- [Wikitextrose](#), a model for capturing citations as they are made on other Projects, and for recording the Type of citations [evidentiary, supporting, refuting, &c], intended for use with the above projects.
- [WikiScholar](#) - a [new project proposal](#) for a [Semantic Mediawiki](#) [↗](#) based bibliography

Outside of Wikimedia, [AcaWiki](#) [↗](#) is an active non-Wikimedia CC BY-licensed wiki that hosts summaries of scholarly articles along with metadata on scholarly works. AcaWiki current hosts about 800 summaries from over 100 contributors.

Other related Wikimedia projects whose goals would be served by a new project proving information citations include:

- [Research:Oral Citations](#) - a research project offering a rough proposal for building spaces to discuss oral citations in Wikipedia articles
- ['Fact and Reference Check' \(en:wp\)](#)



[https://meta.wikimedia.org/wiki/Wikicite_\(pre-Wikidata\)](https://meta.wikimedia.org/wiki/Wikicite_(pre-Wikidata))

2017



Vision
Technology
Community
Scale
Licensing
Independence

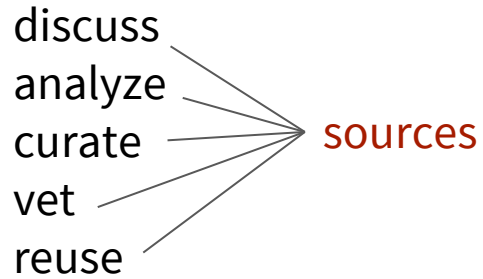
Imagine a world in which
everyone can freely share in
the sum of all knowledge.

Imagine a world in which
~~every~~~~one~~~~thing~~ can freely share in
the sum of all ~~structured~~ knowledge.

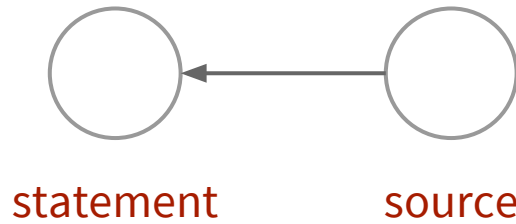


Build a structured repository of sources
to serve as a foundation of free knowledge

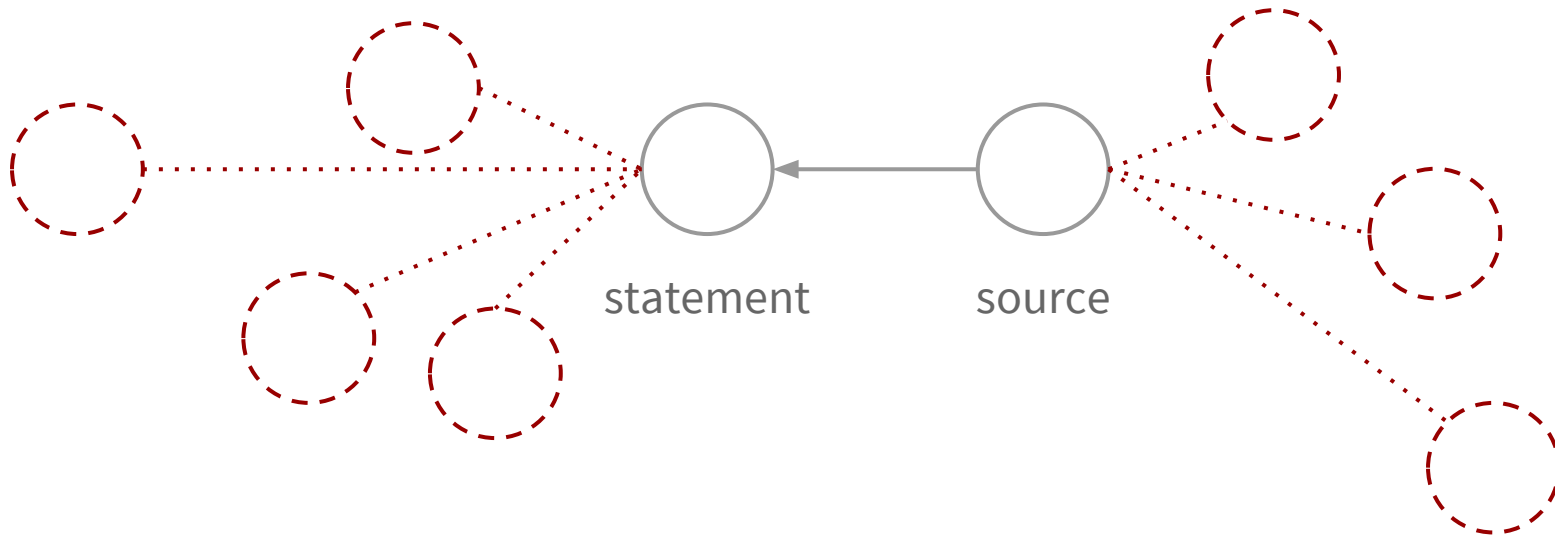
{ } wikicite



{ } wikicite



{ } wikicite



all statements citing a *New York Times* article

most popular journals cited by statements of any item that is a subclass of *economics*

all statements citing the works of *Joseph Stiglitz*

all statements citing journal articles by *physicists at Oxford University in the 1970s*

all statements citing a journal article that was *retracted*

SOURCE-RELATED SPARQL QUERIES SUPPORTED IN WIKIDATA

meta.wikimedia.org/wiki/WikiCite_2016/Report/Group_5

which sources are cited in Wikipedia across *languages*?

which sources are cited in Wikipedia across articles of different *quality and importance*?

which sources are cited in Wikipedia across *topics*?

what kinds of citation-related activity do Wikimedia contributors engage in?

what kinds of citation-related activity should Wikimedia contributors prioritize?

are there gaps in citation quality that should be addressed?

UNDERSTANDING THE CONTEXT OF CITATIONS IN WIKIPEDIA

https://meta.wikimedia.org/wiki/Research:Understanding_the_context_of_citations_in_Wikipedia



Egon Willighagen

@egonwillighagen



Following

(in five years the verb "to wikidata" means look up a fact with literature provenance) "let me wikidata that for you"

RETWEETS

5

LIKES

8



AZ



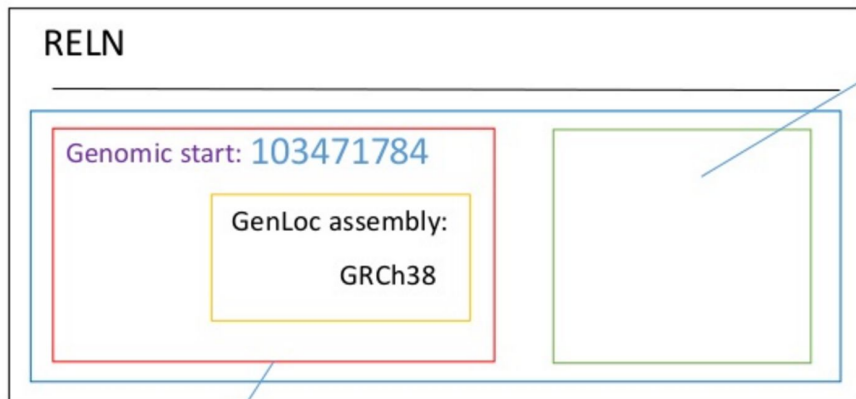
9:25 AM - 8 Apr 2016

<https://twitter.com/egonwillighagen/status/718474906858582016>



DATA PROVENANCE OF STATEMENTS BY OUTLET, PUBLISHER OR FUNDER

Computable trust



Add References

1. Add references
2. Check that references concur with the claim or not
3. Estimate 'truthiness' of claim
4. Provide humans with sources to follow up.

Claim

{ } wikicite

Berlin, 25-26 May 2016



{ } wikicite

Vienna, 23-25 May 2017

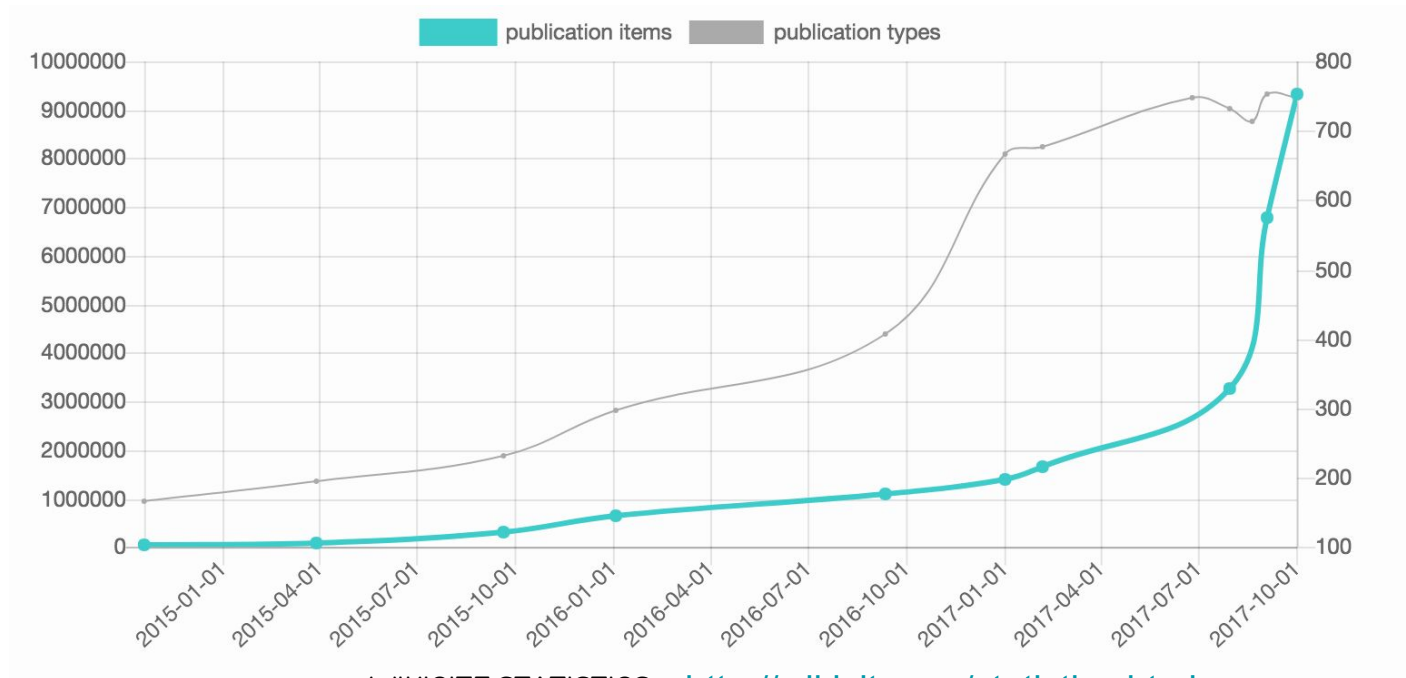


STEPHEN LAPORTE / CC BY

Where we are today

A growing database of sources stored as Wikidata items

9.8 million items, 26% of all Wikidata



An extensive list of properties to model creative works

On the origin of species (Q20124)

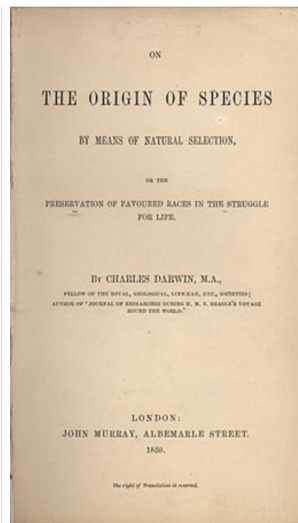
[edit label](#)

On the origin of species by means of natural selection, or, The preservation of favoured races in the struggle for life |
The origin of species | " On the Origin of Species "

book by Charles Darwin

instance of: On the origin of species is a(n) [academic work](#), [book](#)

Statements		
	Own statements	
		From related entities
publisher	John Murray (English publisher)	➤
author	Charles Darwin (British naturalist, author of "On the origin of species, by means of natural selection")	➤
number of pages	502	➤
genre	scientific literature	➤
	biology (study of life)	➤
original language of work	English (West Germanic language originating in England)	➤
edition(s)	On the Origin of Species (1859) (1st edition)	➤
	The Origin of Species (1872)	➤
	Q24073728 language of work or name : Russian (Slavic language)	➤
publication date	1859-11-24	➤
title	On the Origin of Species by Means of Natural Selection, or the Preservation of Favoured Races in the Struggle for Life [en]	➤
language of work or name	English (West Germanic language originating in England)	➤



Links

[Wikidata page](#)[Official website](#)[Wikipedia article](#)[Reasonator](#)

Identifiers

ON THE ORIGIN OF SPECIES • <https://www.wikidata.org/wiki/Q20124>

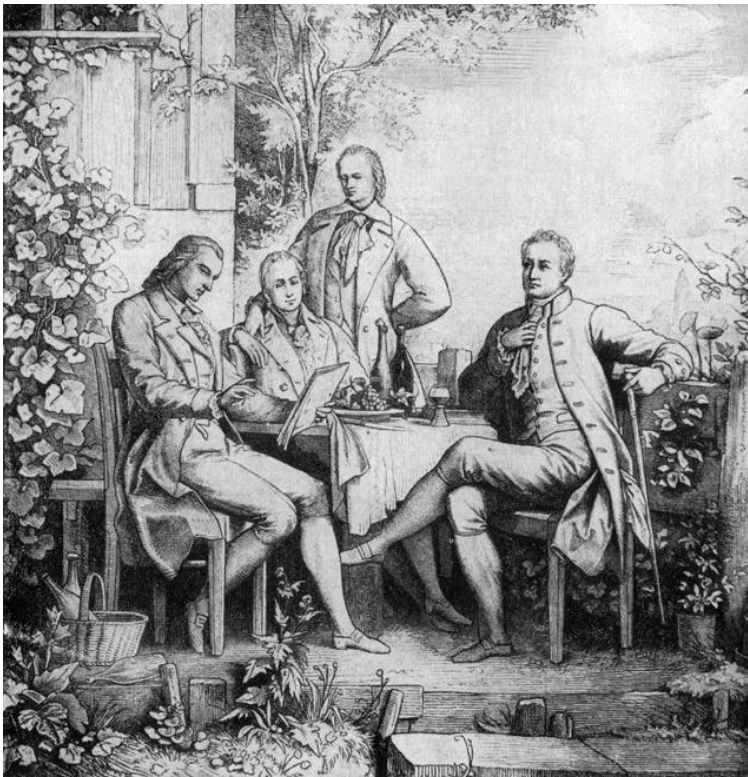
From Chapter V:

The elder Geoffroy and Goethe propounded, at about the same period, their law of compensation or balance-ment of growth; or, as Goethe expressed it, "in order to spend on one side, nature is forced to economise on the other side." I think this holds true to a certain ex-

From Chapter XI:

species belonging to European genera occur. On the highest mountains of Brazil, some few European genera were found by Gardner, which do not exist in the wide intervening hot countries. So on the Silla of Caraccas the illustrious Humboldt long ago found species belong-

Flashback to the WikidataCon opening keynote



- The image [depicts](#) [Q22670](#) (Friedrich Schiller)

[Q77888](#) (Wilhelm von Humboldt)

[Q6694](#) (Alexander von Humboldt)

[Q5879](#) (Johann Wolfgang von Goethe)

- They are all authors ([P50](#)) of multiple works.
- Darwin [cites](#) two of them.
- We don't have a text equivalent of "depicts".

(Adolph Müller; ca. 1797; Scene is in [Q2235783](#) in Jena)

Usage of some key bibliographic properties

(% growth since Wikimania 2017)

author (P50) [861,086](#) (+78%)

author name string (P2093) [40,276,503](#) (+135%)

ISBN-13 (P212) *often used for books* [29,933](#) (unchanged)

DOI (P356) *often used for journal articles* [6,895,447](#) (+135%)

main subject (P921) [411,545](#) (+6%)

All PubMed / PubMed Central citations in Wikipedia

half a million **sources cited on the English Wikipedia** using a **PubMed or PubMed Central** identifier are now available as Wikidata entries

5. [^] [Penicillin at the Free Dictionary](#)
6. [^] Garrod, L. P. (1960). "Relative Antibacterial Activity of Three Penicillins". *British Medical Journal*. **1** (5172): 527–29. doi:10.1136/bmj.1.5172.527
7. [^] Garrod, L. P. (1960). "The Relative Antibacterial Activity of Four Penicillins". *British Medical Journal*. **2** (5214): 1695–6. doi:10.1136/bmj.2.5214.1695. PMC 2098302. PMID 13703756.
8. [^] "Penicillin G and Penicillin V". *livertox.nih.gov*. Retrieved 2016-09-25.
9. [^] "Penicillin (Benzylpenicillin, Penicillin G, Bicillin C-R/L-A, Pfizerpen, Wycellin)". *The Antimicrobial Index*. Knowledgebase. Retrieved 4 March 2014.
10. [^] "Penicillin G sodium salt Susceptibility and Resistance Data" (PDF). TOKU-E. Retrieved 4 March 2014.
11. [^] ^a ^b ^c Rossi S, ed. (2006). *Australian Medicines Handbook*. Adelaide: Australian Medicines Handbook. ISBN 0-9757919-2-3.

Broad coverage of scholarly journals



Web of Science currently includes 32,840 scholarly journals –@habib #force2017



3:30 AM - 25 Oct 2017



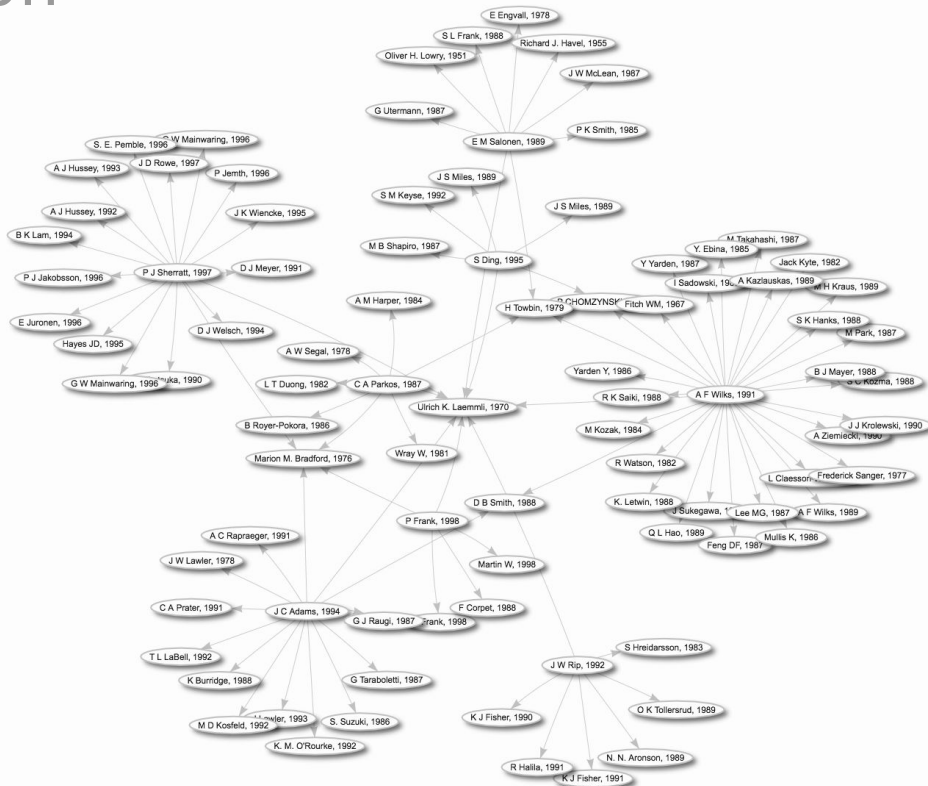
There are now 42,650 items about scholarly journals in @wikidata, up +80% since last year.

<https://twitter.com/Wikicite/status/923134697680629760>

<https://twitter.com/Wikicite/status/921520882392088576>

36 million citation links

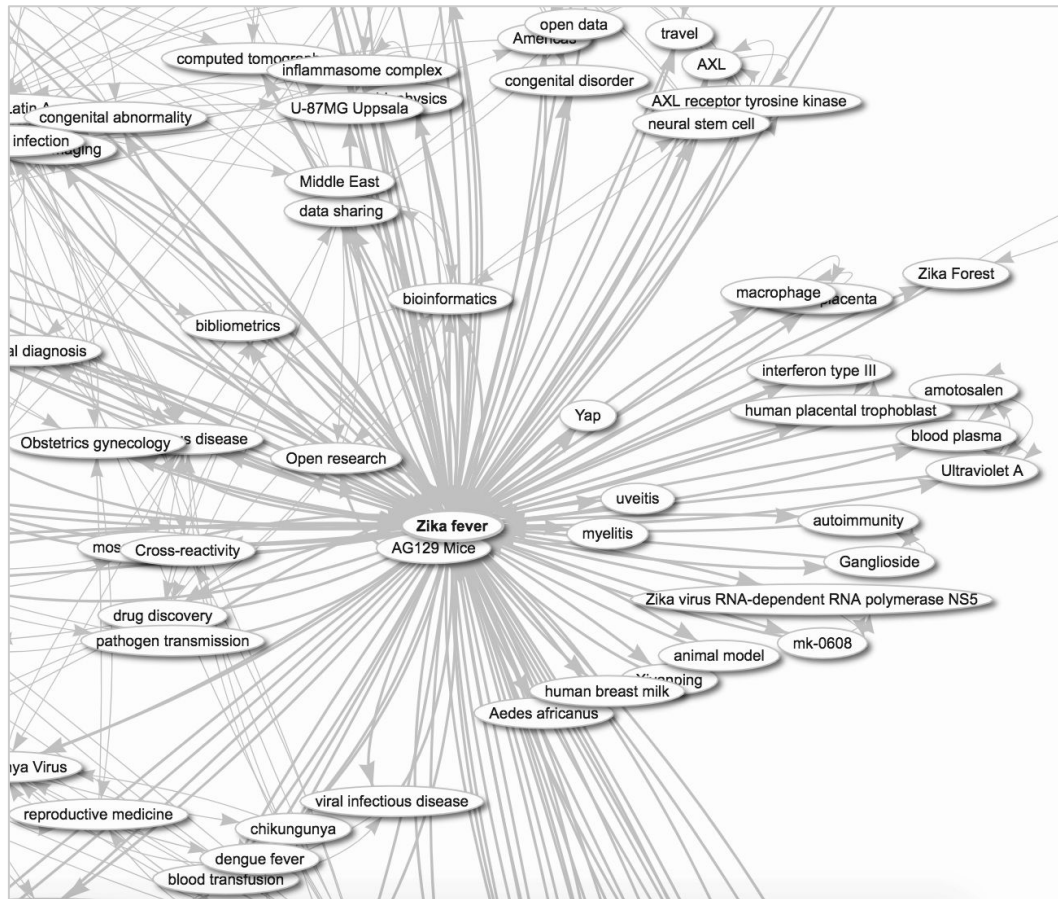
using the *cites* (P2860)
property



PARTIAL CITATION GRAPH FOR **ULRICH K. LAEMMLI (1970)** • <http://tinyurl.com/y7acpgzd>

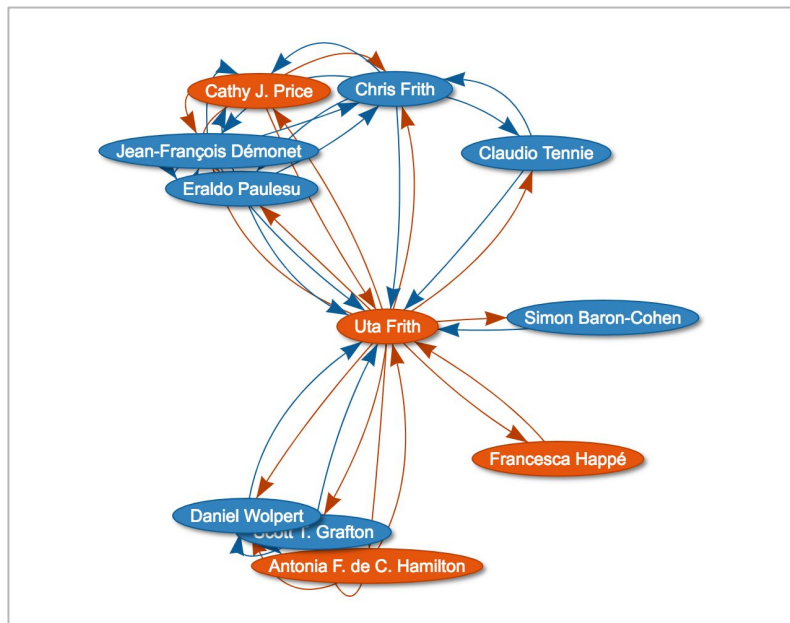
The Zika corpus

the complete, **annotated**
scholarly publication
corpus on Zika virus
(Q202864)



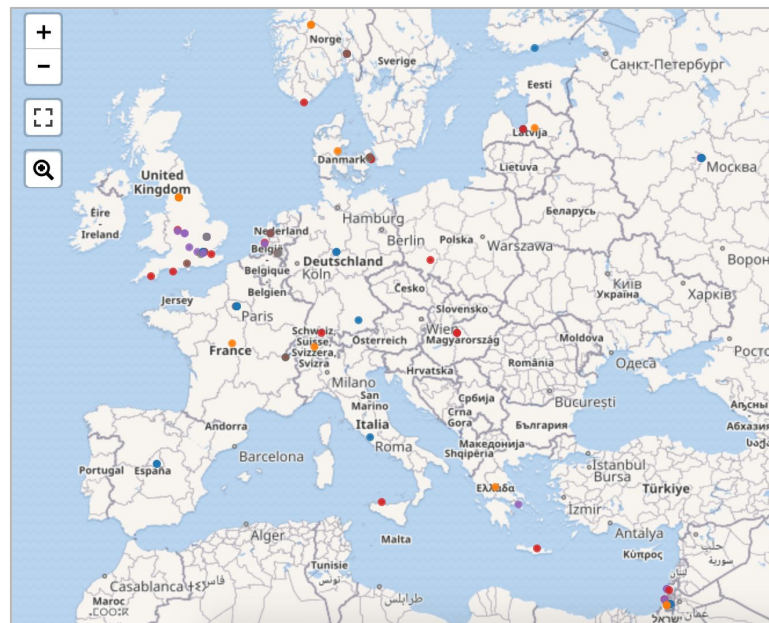
Scholia

an open source, Wikidata-driven **scholarly profile application**



CO-AUTHOR GRAPH FOR **UTA FRITH**

<https://tools.wmflabs.org/scholia/author/Q8219>



LOCATION OF **TURING AWARD** RECIPIENTS

<https://tools.wmflabs.org/scholia/award/Q185667>

New ways to indicate the impact of a paper

Supports the following statement(s)

Statements in Wikidata supported by references to this work. Only a maximum of around 2000 statements are shown.

Search:

Item	Property	Value
Cathelicidin antimicrobial peptide	biological process	antimicrobial humoral immune response mediated by antimicrobial peptide
Cathelicidin antimicrobial peptide	biological process	innate immune response
Amyloid beta precursor protein	biological process	antifungal humoral response
Amyloid beta precursor protein	biological process	antibacterial humoral response
Amyloid beta precursor protein	biological process	defense response to Gram-negative bacterium
Amyloid beta precursor protein	biological process	response to yeast
Amyloid beta precursor protein	biological process	defense response to Gram-positive bacterium
Amyloid beta precursor protein	biological process	innate immune response

Example: [Q21090025](#)

Annotations as a potential sources for statements

org/w/index.php?title=Q13561329&oldid=530921585#P1910

decreased expression in

schizophrenia ...

determination method Immunohistochemistry ...














































1 reference

stated in	Reduction in Reelin immunoreactivity in hippocampus of subjects with schizophrenia, bipolar disorder and major depression.
retrieved	24 July 2017
reference URL	https://via.hypothes.is/https://www.ncbi.nlm.nih.gov/pubmed/11126396#annotations:HVGGMnfUEetV2sj-_VpSQ

Example: [Q13561329](#) (Reelin)

Paper: [Reduction in Reelin immunoreactivity in hippocampus of subjects with schizophrenia, bipolar disorder and major depression](#)

half a billion scholarly citations
from 20+ major publishers are
now available under CC0

 Alfred P. Sloan FOUNDATION	 AI2 ALLEN INSTITUTE for ARTIFICIAL INTELLIGENCE	 Altmetric	 ASSOCIATION of RESEARCH LIBRARIES
 AuThorea	 BILL & MELINDA GATES foundation	 BRITISH LIBRARY	 University of California CDL California Digital Library
 COS CENTER for OPEN SCIENCE	 CWTS Center for Weighted and Timely Science	 CiteSeer ^x	 Collaborative Knowledge Foundation
 CoAR Coalition of Open Access Repositories	 CONTENT MINE	 CORE	 DATA CARPENTRY
 The Dataverse Project	 dblp Database for Computer Science Bibliography	 DRYAD	 EUROPEAN ASSOCIATION OF DIGITAL LIBRARIES
 eigenFACTOR.org ANALYZING SCIENTIFIC LITERATURE REVEALS	 figshare	 HARVARD LIBRARY Office for Scholarly Communication	 hypothes.is
 Impactstory	 INSTANT ARCHIVE	 Jisc	 THE UNIVERSITY OF CHICAGO KNOWLEDGE PROJECT
 LIBRI LIBER	 MAX PLANCK digital library	 Microsoft Research	 moz://a
 OSPA	 OPEN KNOWLEDGE INTERNATIONAL	 OpenAIRE	 Overleaf
 jupyter	 OpenSci	 scienceOPEN.com Open Access Publishing Network	 SCIENCE Sandbox Simons Foundation
 W COMMONS	 Wiki Edu	 WIKIMEDIA DEUTSCHLAND	 WIKIMEDIA UK
 zotero			

Outreach

15+ talks and keynotes at national and international conferences, including:

ELAG 2016 • Wikimania 2016 • VIVO 2016 • COASP 2016 • NIH Data Science lecture series • Crossref LIVE 2016 • DLF 2016 • OpenCon 2016 • Convegno delle Stelline 2017 • OER 2017 • ElixirCONF 2017 • the 2017 European GLAM-Wiki Coordinators meeting • AAAS 2017 • Wikimania 2017 • FORCE 2017 • WikidataCon 2017 • Crossref LIVE 2017 • SWIB 2017



Technical collaborations



Funding

Seven funders and organizations supporting the initiative



Alfred P. Sloan
FOUNDATION



GORDON AND BETTY
MOORE
FOUNDATION



A community



Challenges and next steps

1. How to represent **every publication type**?

Things being cited

book
play
poem
song
psalm
gospel
single
strike
article

chapter
edition
data set
hardback
painting
software
biography
manifesto
legal case

publication
free license
open content
academic work
literary work
disease burden
literary genre
MediaWiki site
religious text
review article
social movement
student protest
tertiary source
research article

literary movement
literature review
unique identifier
Wikimedia project
scientific article
scientific journal
technical standard
animated short film
political statement
animated feature film
Internet encyclopedia
academic journal article
Creative Commons license
United States executive order
United States Military Standard
public domain equivalent license
United States Supreme Court decision
Federal Information Processing Standard

2. What **tools and processes** do we need to import and curate bibliographic information?

Source MetaData

Source ID: 10.1016/S0092-8674(00

Check source

You can create a new item, or update an existing one, for this source in QuickStatements:

CREATE

```
LAST P356 "10.1016/S0092-8674(00)80705-9"
LAST P31 Q13442814
LAST P1476 en:"A Novel Family of Mammalian Taste Receptors"
LAST Len "A Novel Family of Mammalian Taste Receptors"
LAST P433 "6"
LAST P304 "693-702"
LAST P478 "100"
LAST P577 +2000-03-00T00:00:00Z/10
LAST P2093 "Elliot Adler" P1545 "1"
LAST P2093 "Mark A Hoon" P1545 "2"
LAST P2093 "Ken L Mueller" P1545 "3"
LAST P2093 "Jayaram Chandrashekar" P1545 "4"
LAST P2093 "Nicholas J.P Ryba" P1545 "5"
LAST P2093 "Charles S Zuker" P1545 "6"
```

Open in QuickStatements

<https://tools.wmflabs.org/sourcemd>

3. How do we get a better understanding of data we already have vs **data we need**?

Coverage differences between Wikipedia and Wikidata

ISBN citations in Wikipedia

3 million in English Wikipedia
90,000 in Dutch Wikipedia

m:R:Scholarly_article_citations_in_Wikipedia

ISBN items in Wikidata

30,000 items with an ISBN-13
(P212)

<http://tinyurl.com/y99ukpbn>



4. Understand how Wikidata and other Wikimedia projects can **work together**

`{{Cite Q|Q15625490}}`

Jeffrey T. Williams; [Kent E. Carpenter](#); James L. Van Tassell; Paul Hoetjes; Wes Toller; Peter Etnoyer; Michael Smith (21 May 2010), "Biodiversity Assessment of the Fishes of Saba Bank Atoll, Netherlands Antilles"[↗](#), *PLOS ONE*, **5** (5), [PMC 2873961](#) [↗](#), [PMID 20505760](#) [↗](#), [doi:10.1371/JOURNAL.PONE.0010676](#) [↗](#), [Wikidata Q15625490](#)

`{{Cite Q|Q15625490|page=42}}`

Jeffrey T. Williams; [Kent E. Carpenter](#); James L. Van Tassell; Paul Hoetjes; Wes Toller; Peter Etnoyer; Michael Smith (21 May 2010), "Biodiversity Assessment of the Fishes of Saba Bank Atoll, Netherlands Antilles"[↗](#), *PLOS ONE*, **5** (5): 42, [PMC 2873961](#) [↗](#), [PMID 20505760](#) [↗](#), [doi:10.1371/JOURNAL.PONE.0010676](#) [↗](#), [Wikidata Q15625490](#)

`{{Cite Q|Q15625490|access-date=18 May 2017}}`

Jeffrey T. Williams; [Kent E. Carpenter](#); James L. Van Tassell; Paul Hoetjes; Wes Toller; Peter Etnoyer; Michael Smith (21 May 2010), "Biodiversity Assessment of the Fishes of Saba Bank Atoll, Netherlands Antilles"[↗](#), *PLOS ONE*, **5** (5), [PMC 2873961](#) [↗](#), [PMID 20505760](#) [↗](#), [doi:10.1371/JOURNAL.PONE.0010676](#) [↗](#), retrieved 18 May 2017, [Wikidata Q15625490](#)

`{{Cite Q|Q15625490|quote=lorem ipsum}}`

Jeffrey T. Williams; [Kent E. Carpenter](#); James L. Van Tassell; Paul Hoetjes; Wes Toller; Peter Etnoyer; Michael Smith (21 May 2010), "Biodiversity Assessment of the Fishes of Saba Bank Atoll, Netherlands Antilles"[↗](#), *PLOS ONE*, **5** (5), [PMC 2873961](#) [↗](#), [PMID 20505760](#) [↗](#), [doi:10.1371/JOURNAL.PONE.0010676](#) [↗](#), "lorem ipsum", [Wikidata Q15625490](#)

`{{Cite Q|Q15625490|page=42|access-date=18 May 2017|quote=lorem ipsum}}`

Jeffrey T. Williams; [Kent E. Carpenter](#); James L. Van Tassell; Paul Hoetjes; Wes Toller; Peter Etnoyer; Michael Smith (21 May 2010), "Biodiversity Assessment of the Fishes of Saba Bank Atoll, Netherlands Antilles"[↗](#), *PLOS ONE*, **5** (5): 42, [PMC 2873961](#) [↗](#), [PMID 20505760](#) [↗](#), [doi:10.1371/JOURNAL.PONE.0010676](#) [↗](#), retrieved 18 May 2017, "lorem ipsum", [Wikidata Q15625490](#)

Getting involved

Who benefits from WikiCite (we need your help!)

Wikidata contributor

Scholarly publisher

Wikimedia contributor

Metadata provider

Librarian

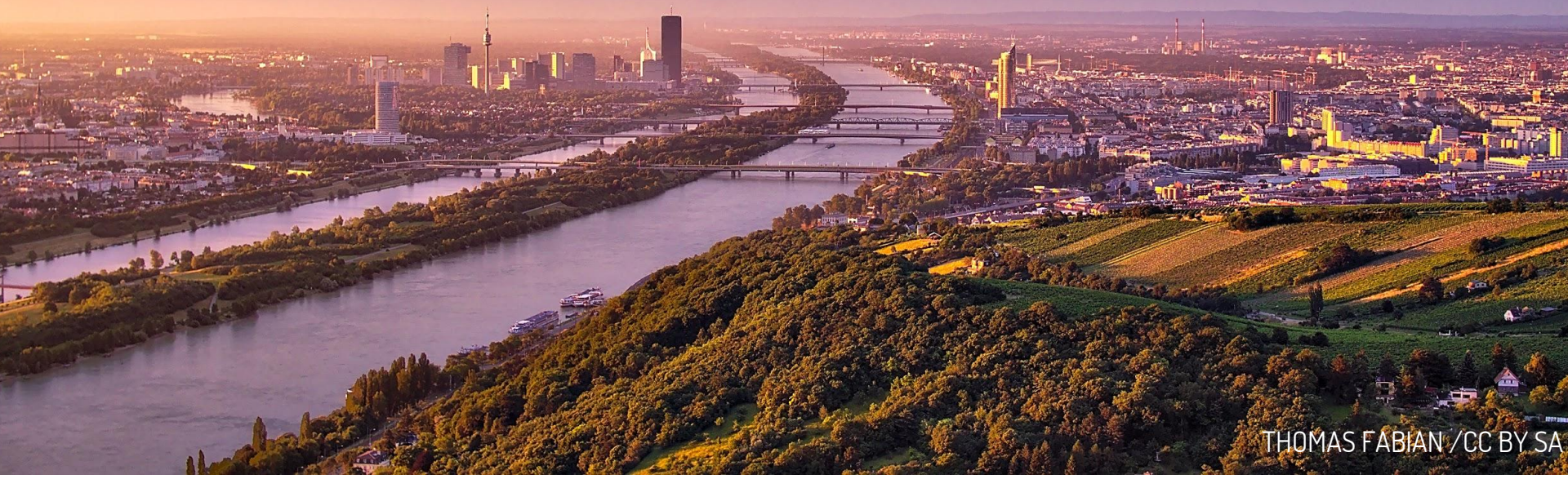
Digital collection curator

Author

Student

{ } wikicite

[m:WikiCite](#) • [@WikiCite](#) • [wikicite-discuss](#)



Thank you

D. Taraborelli, D. Mietchen, L. Pintscher (2017) Wikidata as a structured repository of bibliographic data. *WikidataCon '17*. [CC BY 4.0] doi.org/10.6084/m9.figshare.5548591

Acknowledgments

Elizabeth Seiver, Jonathan Dugan, Cameron Neylon, Finn Årup Nielsen, Andra Waagmeester, Katherine Thornton, Merrilee Proffitt, Jakob Voss, James Hare, Magnus Manske, Egon Willighagen, Antonin Delpéuch, Charles Matthews, Philipp Zumstein, Alessio Melandri, the [WikiCite 2016](#) and [WikiCite 2017](#) participants, the WikiCite funders, Wikidata Source Metadata contributors

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daniel.mietchen@okfn.org • @EvoMRI
lydia.pintscher@wikimedia.de • @nightrose