

# Integrating Scholia and ORKG for Real-Time Research Assessment

Attributing the sum of all human knowledge: WikiCite discussion

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User:Csis

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# WikiCite



An open database of linked bibliographic metadata

- Hosted in Wikidata
- Crowdsourced from open resources such as OpenCitations, CrossRef, and PubMed
- Includes bibliographic metadata such as citations, source titles, authors, publication years, and external identifiers like DOIs and ORCIDiS

## Scholia, Scientometrics and Wikidata (Q41799194)

scientific article published on October 2017

### Statements

instance of	<span>scholarly article</span> <a href="#">edit</a>
	<span>→ 0 references</span> <a href="#">+ add reference</a>
	<span>conference paper</span> <a href="#">edit</a>
	<span>→ 0 references</span> <a href="#">+ add reference</a>
	<a href="#">+ add value</a>
sponsor	<span>Innovation Fund Denmark</span> <a href="#">edit</a>
	<span>→ 1 reference</span>
	<a href="#">+ add value</a>

### Identifiers

DOI	<span>10.1007/978-3-319-70407-4_36</span> <a href="#">edit</a>
	<span>→ 0 references</span> <a href="#">+ add reference</a>
	<a href="#">+ add value</a>

author	<span>Finn Arup Nielsen</span> <a href="#">edit</a>
	<span>series ordinal</span> 1
	<span>object named as</span> Finn Arup Nielsen
	<span>affiliation</span> Cognitive Systems
	<span>→ 0 references</span> <a href="#">+ add reference</a>
	<span>Daniel Mietchen</span> <a href="#">edit</a>
	<span>series ordinal</span> 2
	<span>object named as</span> Daniel Mietchen
	<span>→ 0 references</span> <a href="#">+ add reference</a>
	<span>Egon Willighagen</span> <a href="#">edit</a>
	<span>series ordinal</span> 3
	<span>object named as</span> Egon Willighagen
	<span>affiliation</span> Department of Bioinformatics - BIGCAT
	<span>→ 0 references</span> <a href="#">+ add reference</a>
	<a href="#">+ add value</a>

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<https://www.wikidata.org/wiki/Q41799194>

An open database of linked research metadata

- Hosted at <https://orkg.org/>
- Based on user contributions
- Includes research metadata such as the used methods, the sample size, the main results, and the target variable of the studies

Effects of open access and articles-in-press mechanisms on publishing lag and first-citation speed: a case on energy and fuels journals 2

📅 April 2021    💬 1 citation    📖 Information Science    👤 Wen-Yau Cathy Lin

Published in: *Scientometrics*

DOI: <https://doi.org/10.1007/s11192-021-03956-5>

method	bibliometric analysis non-randomized retrospective
result	shorter for open access compared to non-open access
sample	24176 articles
statistical_methods	independent samples t test
Target variable	time between article submission and publication

<https://orkg.org/paper/R188218>



# Scholia

A SPARQL-based dashboard for generating scientometric profiles

- Hosted at <https://scholia.toolforge.org/>
- Driven by WikiCite
- Provides a statistical overview about publications, scientists, venues, prizes, institutions, and countries

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author / Q18618629

Improve data

## Denny Vrandečić (Q18618629)

Zdenko "Denny" Vrandečić is a Croatian computer scientist. He was a co-developer of Semantic MediaWiki and Wikidata, the lead developer of the Wikifunctions project, and an employee of the Wikimedia Foundation as a Head of Special Projects, Structured Content. He published modules for the German role-playing game The Dark Eye. ([Read more on English Wikipedia](#))

Reload

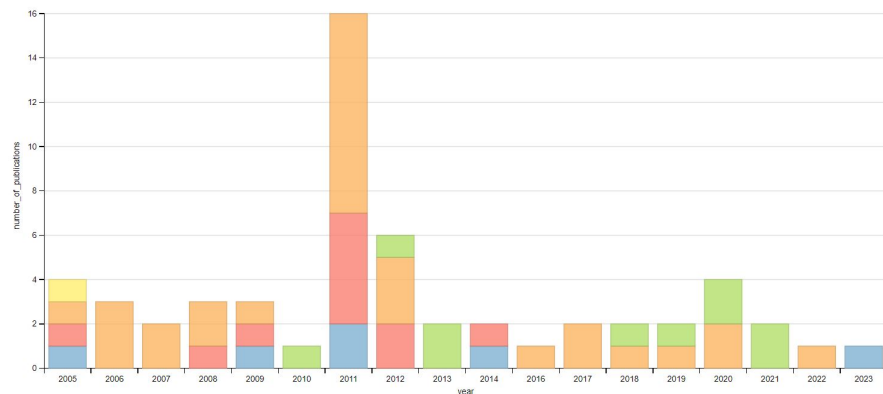
### List of publications

Show 10 entries

Search:

Date	Work	Type	Pages	Venue	Authors
2023-04-30	<a href="#">Wikidata: The Making Of</a>	conference paper	10	<a href="#">WWW '23 Companion: Companion Proceedings of the ACM Web Conference 2023</a>	<a href="#">Markus Krötzsch</a> , <a href="#">Denny Vrandečić</a> , <a href="#">Lydia Pintscher</a>
2022-04-15	<a href="#">Knowledge Graphs: Introduction, History and Perspectives</a>	scholarly article	13	<a href="#">AI Magazine</a>	<a href="#">Juan Sequeda</a> , <a href="#">Denny Vrandečić</a> , <a href="#">James Hendler</a>
2021-10-19	<a href="#">Keynote: Abstract Wikipedia</a>	scholarly article		<a href="#">Septentrio Conference Series</a>	<a href="#">Denny Vrandečić</a>
2021-04-01	<a href="#">Building a Multilingual Wikipedia</a>	scholarly article	4	<a href="#">Communications of the ACM</a>	<a href="#">Denny Vrandečić</a>

### Number of publications per year



# Scholia can be expanded

## Query Federation with ORKG

- New statistics on the methods used by authors and institutions
- New insights about the main research findings of authors and institutions

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```
SELECT ?item ?itemLabel ?gss ?os_toid WHERE {
  ?item p:P836 ?gss_stmt .
  ?gss_stmt ps:P836 ?gss .
  FILTER NOT EXISTS { ?gss_stmt pq:P582 [] } .
  FILTER NOT EXISTS { ?item wdt:P3120 [] } .

  SERVICE <http://data.ordnancesurvey.co.uk/datasets/os-linked-data/apis/sparql> {
    ?os_toid <http://data.ordnancesurvey.co.uk/ontology/admingeo/gssCode> ?gss
  }

  SERVICE wikibase:label { bd:serviceParam wikibase:language "en" . }
```

### SPARQL endpoint

You can access the following SPARQL endpoint to explore our data using SPARQL queries.

[Virtuoso Query Editor](#)

[Visual SPARQL Editor](#)

# Any question

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