

Conversatorio

Cómo usar Zotero, Cita y Wikidata para descubrir bibliografía



Diego de la Hera

CETYS, 20 may 22

Plan del taller

- Introducción
 - gestores de referencias
 - citas abiertas
 - Wikidata
 - Cita
- Demostración
- Taller
- Q&A



EndNote™

ARTICLE OPEN

Social interaction and conceptual change pave the way away from children's misconceptions about the Earth

Diego Pablo de la Hera^{1,2}, Mariano Sigman^{1,2} and Cecilia Ines Calero^{1,2}

Throughout development, children undergo moments of abrupt conceptual transitions, often replacing intuitive knowledge with grounded scientific theories. This typically also creates a situation of social conflict, as different children may hold at the same time substantially different theories and explanations about the same phenomenon. The main objective of this work is to understand whether social interaction and exchange of arguments and reasoning may be a catalyzer for conceptual development. Dyads of 7-year-old children with different conceptual understanding of the Earth were asked to reach a consensus about its astronomic and geometric properties. Our results show that mere minutes of deliberation can result in substantial changes in children's conceptual representations, and moreover, that this transition was consistently in the direction of reasoned and scientific opinions. These results provide empirical evidence and suggest specific ways in which peer interaction can be used effectively to promote conceptual change in school settings, in a knowledge domain at the center of this era's post truth and science denial crisis.

npj Science of Learning (2019)4:12; <https://doi.org/10.1038/s41539-019-0051-3>

INTRODUCTION

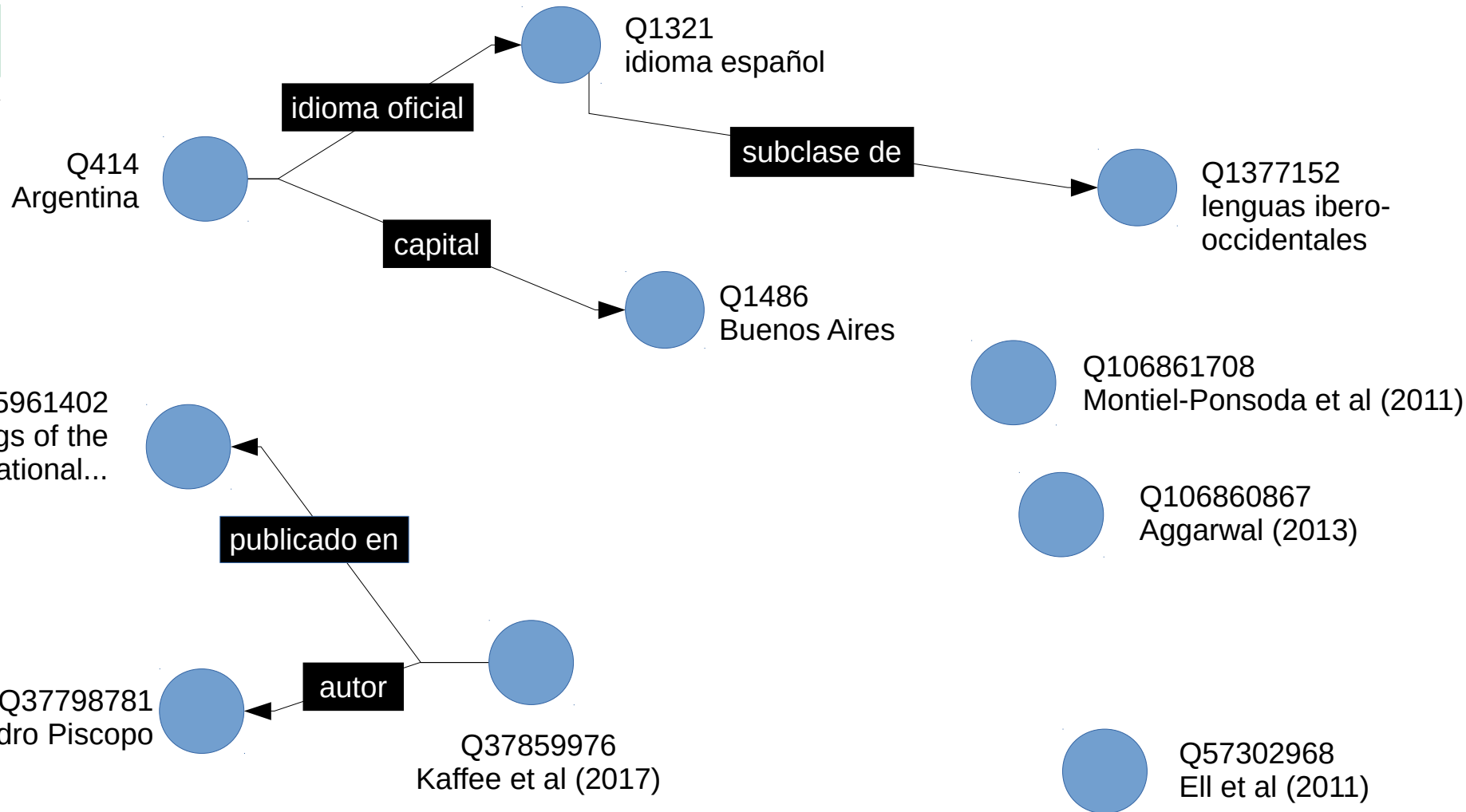
People often have different and contrasting knowledge and opinions. Science is no exception, and a variety of theories and interpretations are usually available for one same matter. How groups solve conflict and disagreement that result from these

From infancy, children have intuitive understandings of how the world works including, for example, elementary notions of physics, mathematics and social entities.^{1,2,3} These general intuitions, partly built on everyday experiences, often collide with scientific knowledge.^{1,4-20} The majority of researchers agree that they form



Información	Notas	Etiquetas	Relacionado	Citas
Tipo de elemento	Artículo de revista académica			
Título	Social interaction and conceptual change pave the way away from children's misconceptions about the Earth			
▼ Autor	de la Hera, Diego Pablo			<input type="text"/> <input type="minus"/> <input type="plus"/>
▼ Autor	Sigman, Mariano			<input type="text"/> <input type="minus"/> <input type="plus"/>
▼ Autor	Calero, Cecilia Ines			<input type="text"/> <input type="minus"/> <input type="plus"/>
Resumen	Throughout development, children undergo moments of abrupt conceptual transitions, often replacing intuitive knowledge with grounded scientific theories...			
Publicación	npj Science of Learning			
Volumen	4			
Ejemplar	1			
Páginas	1-12			
Fecha	2019-08-28			y m d
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Idioma	en			
DOI	10.1038/s41539-019-0051-3			
ISSN	2056-7936			
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Adicional	Number: 1			
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some 1's conceptual axes, which are more closely related to previously described mental models of the earth,²⁰ $r(82) = 0.65$, $p = 3.49E-11$. A quantitative analysis using the Shapiro-Wilk and Hartigan's dip tests respectively rejected both normality ($W = 0.93$, $p = 1.27E-04$) and unimodality ($D = 0.09$, $p = 6.26E-06$) for average axis scores, whereas not for average dimension scores ($W = 0.97$, $p = 0.058$, and $D = 0.03$, $p = 0.840$, respectively), which also showed less saturation (Fig. 4b). This indicated that dimension scores provide a measure of conceptual knowledge that is more suitable for assessing knowledge level differences in the sections below.

Score differences between members of a dyad, i.e., between Children M and L (knowledge level gap: Δ_{ML}), were calculated for each dimension and then averaged:

$$\Delta_{ML}^k = \left(\sum_{i=1}^n d_i^M - d_i^L \right) / n, \quad (1)$$

where Δ_{ML}^k is the score difference between Children M and L of the j th dyad in interview k , n is the total number of dimensions ($n = 11$), and d_i^M and d_i^L are the i th dimension score for Children M and L, respectively. Score differences between Interviews 1 and 2 of one participant (knowledge level shift: Δ_{12}) are calculated analogously:

$$\Delta_{12}^k = \left(\sum_{i=1}^n d_i^1 - d_i^2 \right) / n, \quad (2)$$

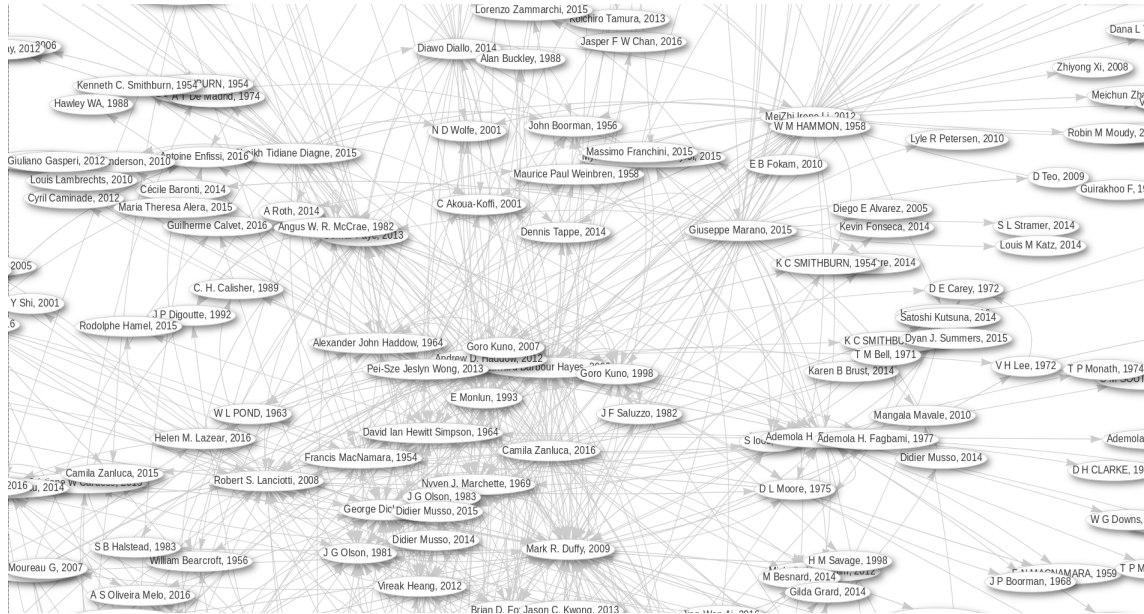
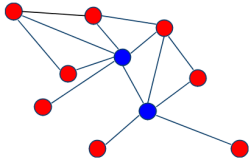
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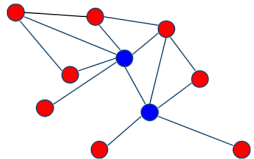
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Derechos	2019 The Author(s)			
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	Publisher: Nature Publishing Group			
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Modificado	26/5/2021 12:44:04			





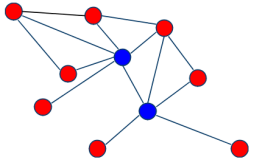
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 - calidad = impacto ???
- Decisiones de política científica



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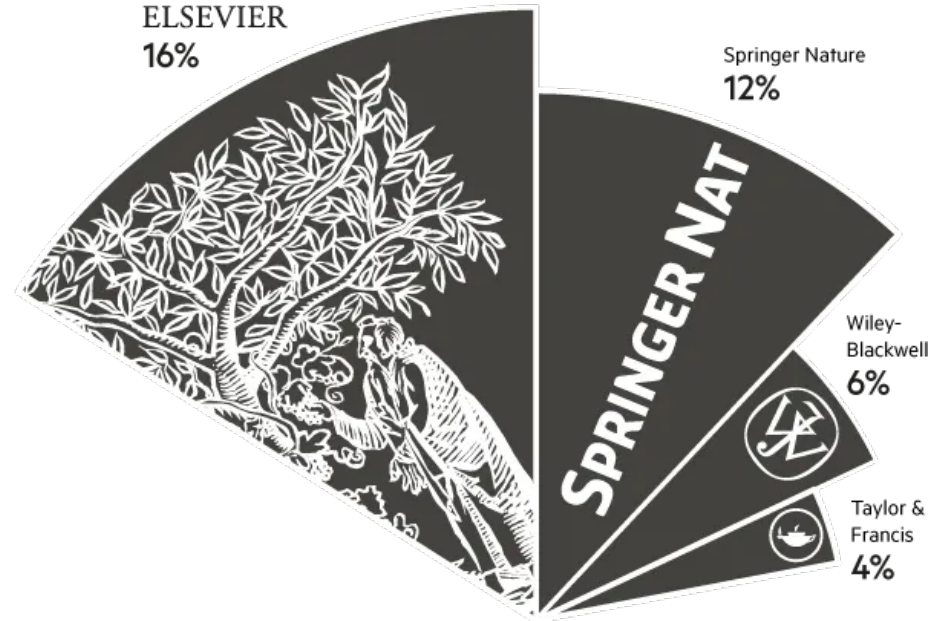


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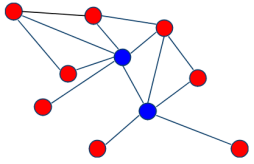
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Global market share of journal articles by leading publishers, 2013 (%)



Source: company



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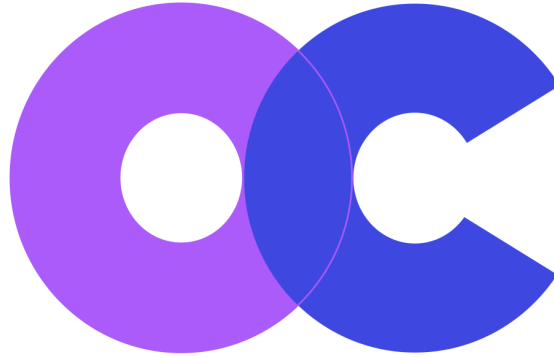
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2017:

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<https://i4oc.org/>

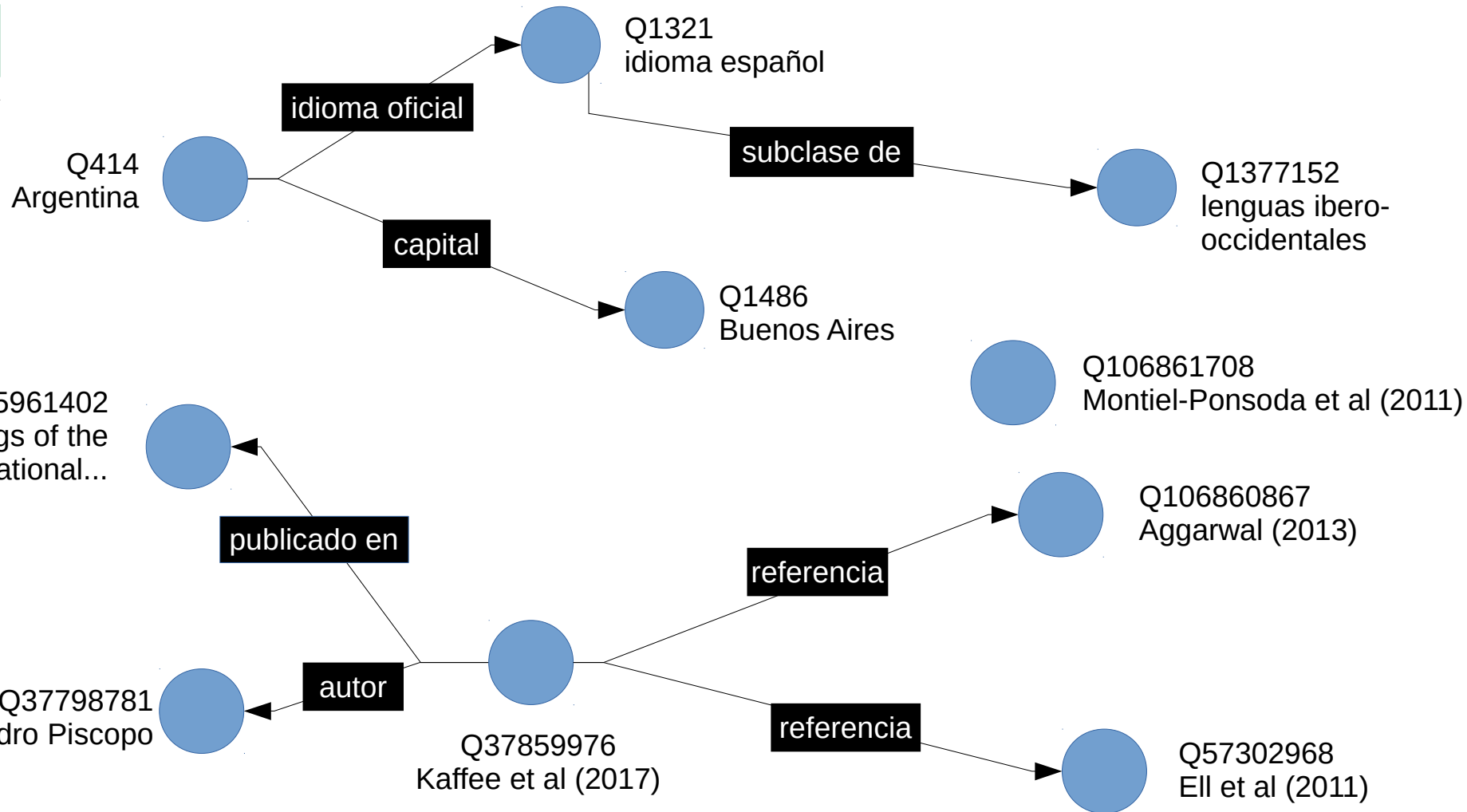
that are also found by % of cit. in ...	Google Scholar	Microsoft Academic	Scopus	Dimensions	Web of Science	COCI (2019)	COCI (2021)	NIH-OCC (2021)	COCI + NIH-OCC (2021)
All sources combined	88%	60%	57%	54%	52%	28%	50%	26%	53%
Google Scholar		61%	58%	57%	55%	30%	52%	27%	56%
Microsoft Academic	89%		77%	80%	73%	42%	74%	37%	78%
Scopus	90%	82%		84%	83%	44%	75%	40%	81%
Dimensions	93%	90%	88%		83%	50%	86%	43%	91%
Web of Science	94%	86%	93%	88%		47%	80%	46%	87%
COCI (2019)	93%	92%	89%	97%	86%		100%	42%	100%
COCI (2021)	92%	91%	87%	95%	83%	57%		43%	100%
NIH-OCC (2021)	97%	90%	93%	94%	92%	47%	85%		100%
COCI + NIH-OCC (2021)	93%	89%	88%	94%	84%	53%	93%	47%	

Coverage of open citation data approaches parity with Web of Science and Scopus

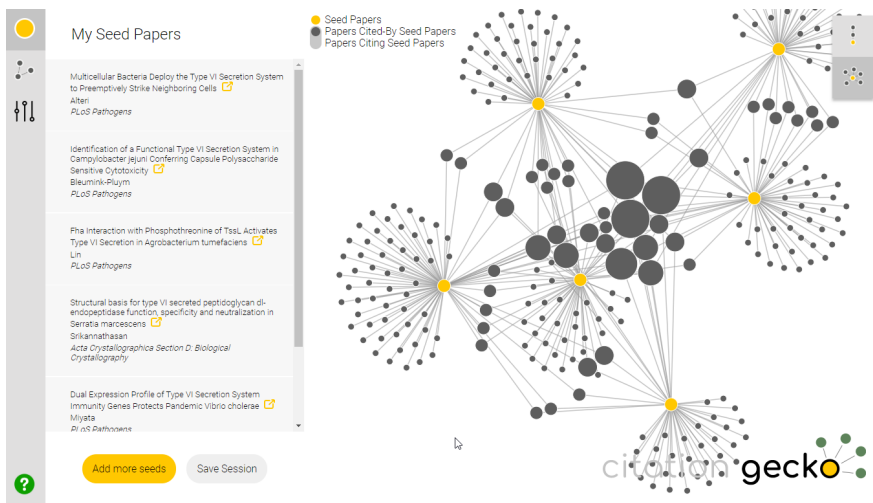
<https://opencitations.wordpress.com/2021/10/27/coverage-of-open-citation-data-approaches-parity-with-web-of-science-and-scopus/>

3,073,351 [incoming] citations found by these six data sources to 2,515 English-language highly-cited documents published in 2006

Martín-Martín et al (2020) en *Scientometrics*

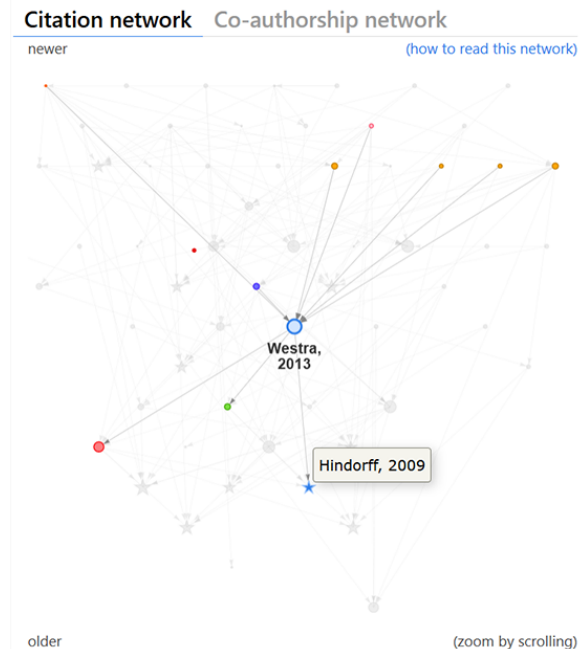


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work / Q18507561

Improve data

Wikidata: A Free Collaborative Knowledgebase (Q18507561)

Search:

Description	Value
Title	Wikidata: a free collaborative knowledgebase
Authors	Markus Krötzsch, Denny Vrandečić
Language	English
Published in	Communications of the ACM
Publication date	2014-10-01
Topics	Wikidata, data collaboration, knowledge base, collaboration
DOI	10.1145/2629489 ↗
Full text	https://web.archive.org/web/20190311200511/http://cacm.acm.org/magazines/2014/10/178785-wikidata/fulltext ↗

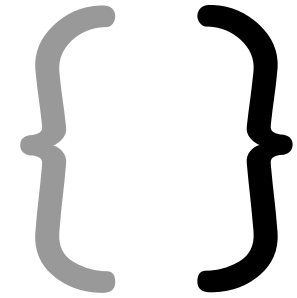
Wikidata Query Service

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Table of Contents

- [List of authors](#)
- [Topic scores](#)
- [Timeline](#)
- [Related works](#)
 - [Related works from co-citation analysis](#)
 - [Related works from knowledge graph embedding](#)
- [Citations](#)
 - [Citations to the work](#)
 - [Reasons why this article is cited](#)
 - [Cited works](#)
 - [Authors of cited works](#)
 - [Citation graph](#)
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- [Wikipedia mentions](#)
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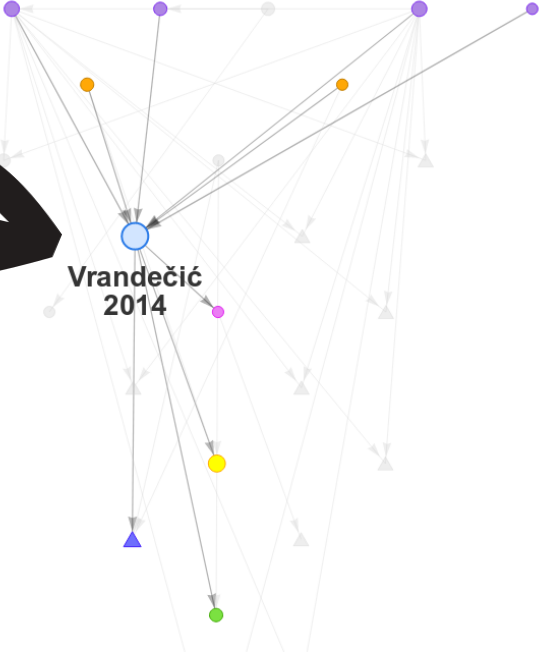
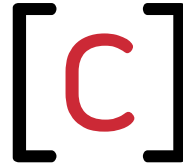
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Titulo	Creador
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Freebase, Freebase: a collaboratively create...	Bollacker et al.
From Freebase to Wikidata: The Great Migra...	Tanon et al.
Peer-production system or collaborative ont...	Müller-Birn e...
Reifying RDF: What Works Well with Wikidata?	Hernández et...
Scholia and scientometrics with Wikidata	Nielsen et al.
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Wikidata as a semantic framework for the G...	Burgstaller-...
Wikidata: a free collaborative knowledgebase	Vrandečić y K...
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Wikidata: A New Platform for Collaborative ...	Vrandečić
Wikidata: A platform for data integration an...	Mitraka et al.
Wikidata: A platform for your library's linked...	Allison-Cassi...
Wikidata: The born: paths to full participat...	Piscopo et al.
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Wikidata: A platform for data integration an...	Hoffart et al.



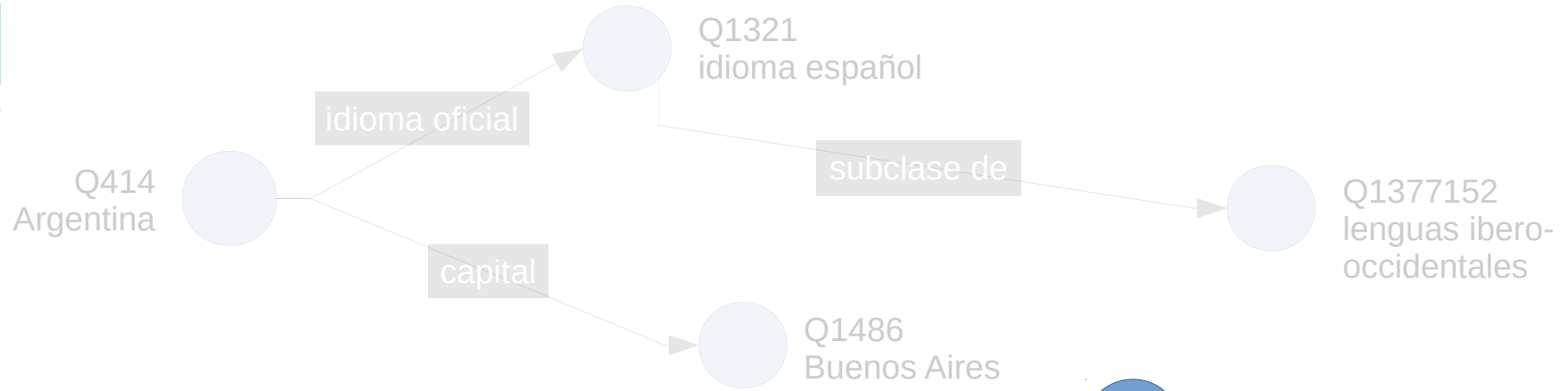
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Frahm et al. (2013) Time evolution of Wikip...	Z	1	1	1
Watsony Crick (1953) Molecular Structure o...	Z	1	1	1
Gorgolewski et al. (2015) NeuroVault.org: A...	Z	1	1	1
Grinberg (2014) Flask Web Development: D...	Z	1	1	1
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Mishra y Torvik (2016) Quantifying Concept...	Z	1	1	1
Nielsen (2007) Scientific citations in Wikiped...	Z	1	1	1
Nielsen (2008) Clustering of scientific citati...	Z	1	1	1
Nielsen (2009) Brede Wiki: A neuroinformat...	Z	1	1	1
Okoli et al. (2012) The People's Encyclopedi...	Z	1	1	1
Poldrack et al. (2013) Toward open sharing ...	Z	1	1	1
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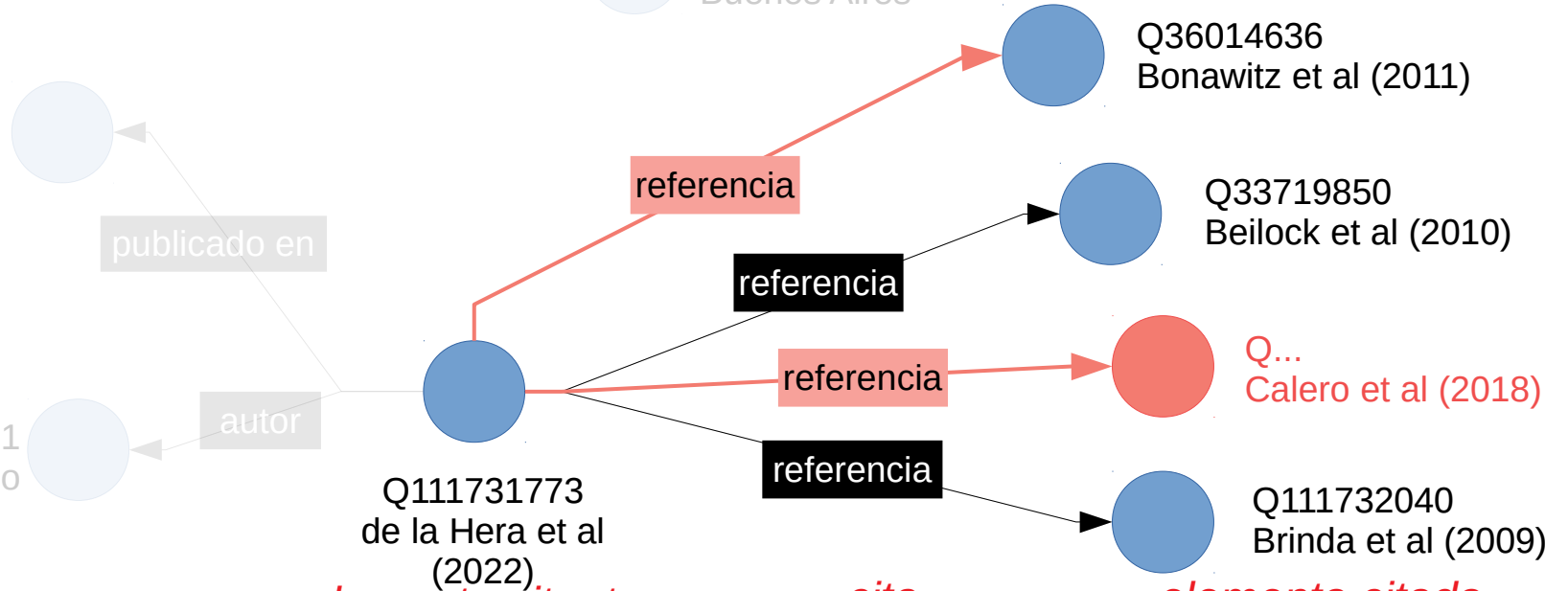
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Demostración



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Taller

Impacto

- Última versión descargada 1371 veces
- 86 “me gusta” en Github
 - <https://github.com/diegodlh/zotero-cita>
- ~950 ediciones en Wikidata (feb 22)
 - 850 nuevas entidades
 - 100 actualizaciones (una o más citas nuevas)

Impacto

Charlotte Oertel

Citation genealogy project

Historically earlier publications in the humanities

Wikimedia Open Science Fellowship program

[https://de.wikiversity.org/wiki/Wikiversity:Fellow-](https://de.wikiversity.org/wiki/Wikiversity:Fellow-Programm_Freies_Wissen/Einreichungen/Acceleration_of_quality_in_the_humanities_-_chances_of_open_source_implementation_in_research_and_training)

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Legal Theory Graph Project

<https://www.lhlt.mpg.de/2514927/03-boulanger-legal-theory-graph>



Alexandre Champagne

@AlexRChampagne

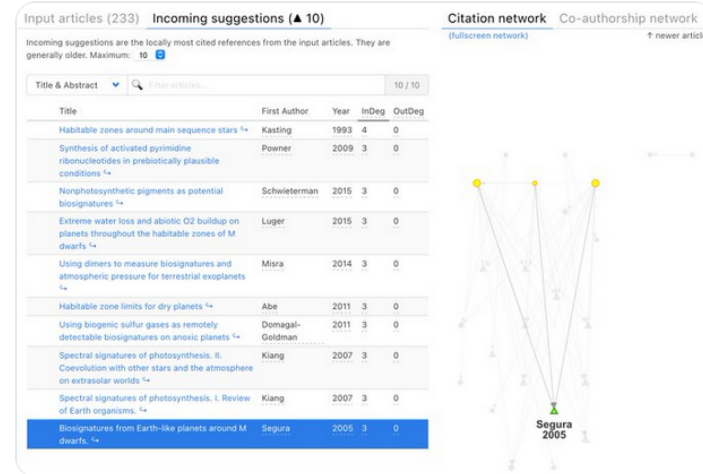
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★ Cita de [@zotero](#) de [@diegodlh](#) para [@wikidata](#)

✏ Citas en la literatura: Citante y Citado
✓ Wikidata: elementos y propiedades



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Workshop for "Cita": a Wikidata addon for Zotero

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- Traducción colaborativa
- Reportar errores
- Software libre

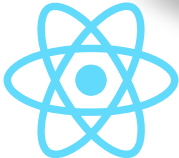
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Philipp Zumstein (traductores Wikidata)
Maxime Lathuilière (wikibase-sdk/edit)



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Dominic Dall'Osto

Referencias



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83. ↑ «[Extensión para colección](#)». MediaWiki. Consultado el 30 de octubre de 2010.
84. ↑ Flood, Alison; Joe Dunthorne, Marian Keyes, and John Dugdale (28 de febrero de 2009). *The week in books*. [The Guardian](#). Consultado el 1^º de marzo de 2009.

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66 function doWeb(doc, url) {
67     if (detectWeb(doc, url) == "multiple") {
68         Zotero.selectItems(getSearchResults(doc, false), function (items) {
69             if (items) ZU.processDocuments(Object.keys(items), scrape);
70         });
71     }
72     else {
73         scrape(doc, url);
74     }
75 }
76
77 function scrape(doc, url) {
78     let json = JSON.parse(text(doc, 'script#Schema_NewsArticle'));
79
80     var item = new Zotero.Item("newspaperArticle");
81     item.ISSN = "0325-0946";
82     let canonical = attr(doc, 'link[rel="canonical"]', 'href');
83     if (canonical) {
84         item.url = canonical;
85     }
86     else {
87         item.url = url;
88     }
89     item.publicationTitle = "La Nación";
90     item.language = "es-AR";
91     item.place = "Buenos Aires";
92
93     item.date = ZU.strToISO(json.dateModified || json.datePublished);
94     item.title = attr(doc, 'meta[property="og:title"]', 'content');
95
96     for (let author of json.author || json.creator) {
97         if (author.trim() == 'Redacción LA NACION') {
98             item.creators.push({

```

<https://github.com/zotero/translators>

Talk:WikiCite/Shared Citations

Zotero translators integration [\[edit \]](#)

Reading the "Partners" section I realized that Zotero and their translators would be a great partner for this project (not necessarily in the sense from the page). They are of course used currently in

Cite, but there is no way to easily extend them/add new ones. You should consider building a way to visually define a translator for a website. I have in mind something like the [element selectors](#) from

the browser's development window. The resulting translator should then be pushed back to upstream.--[Strainu \(talk\)](#) 18:08, 24 February 2021 (UTC) [\[reply \]](#)

I think the best person to comment about this is [User:Diegodlh](#) who is currently also working on a WikiCite-grant funded project - "[addon for Zotero with citation graph support](#)" for Wikidata.
[LWyatt \(WMF\) \(talk\)](#) 11:24, 25 February 2021 (UTC) [\[reply \]](#)

una forma de definir visualmente traductores para un sitio web

Web2Cit

Extracción de metadatos automatizada colaborativamente

<https://meta.wikimedia.org/wiki/Web2Cit>



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Rio Riande



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CONICET



Romina
De León

Web2Cit

https://meta.wikimedia.org/wiki/Web2Cit/User_guide



<https://phabricator.wikimedia.org/T308452>



<https://es.m.wikipedia.org/wiki/Wikipedia:Encuentros/Wikiherramientas>



[c]ita

una extensión
WIKIDATA
para **ZOTERO**

¡Gracias!

Diego de la Hera

<https://diegodlh.conversodromo.com.ar/>

@diegodlh