Wikidata Lab XXVI

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Spain, UK, Germany, Brazil; Earth

8 December 2020

Structured Citations Module in Wikipedia

What is a Wikidata Lab?

- Series of events, normally held in person in São Paulo, Brazil
- Now online for the obvious reason
- Presentation on a Wikidata-related topic, followed by practical activities
- Please sign up on the dashboard for tracking: https://tinyurl.com/wdlabxxvi
- Join the Wikidata Labs Slack channel: https://join.slack.com/share/zt-jvujgbcz-RkEe7_cdrN8PFD4_jOxSQQ
- Info (in pt): https://w.wiki/n$F

A talk in two parts…

- First we will go through the wiki side of things (Mike+)
- Then we will go through the Lua code in detail (Doug+)

Overview

- Want to use Wikidata for citations/references, rather than writing them out by hand in Wikitext
- Greatly simplifies the code in the article - easier to focus on the article text
- Can more easily add the reference to multiple articles
- Can maintain the citation in a single place (Wikidata) if e.g., URL changes
- Also multilingual/cross-wiki, so makes translating pages easier
- Works for journals and books (not website pages etc.)
- Tracking; potential to highlight superseded/ retracted papers

Overview

<ref>{{Cite journal|author = J. E. Carlstrom|title = The 10 Meter South Pole Telescope |journal = Publications of the Astronomical Society of the Pacific |volume = 123 |issue = 903 |pages = 568−581 |arxiv = 0907.4445 |display-authors=etal|year = 2011 |doi = 10.1086/659879 |bibcode=2011PASP..123..568C}}</ref>

<ref>{{Cite Q|Q56603073}}</ref>

Highly configurable

- Each parameter can be overridden with a local value
  - ...or simply suppressed
- Number of authors to be displayed can be set
  - E.g. |display-authors=4
- Works in local language, by default

[[en:South Pole Telescope]]

References [edit | edit source]

1. ^ *a* *b* "South Pole Telescope eyes birth of first massive galaxies". United States Antarctic Program. 14 September 2012. Retrieved 11 February 2017.

2. ^ "South Pole Telescope Public Pages". Retrieved 21 June 2015.

3. ^ *a* *b* *c* "SPT instrumentation". Retrieved 7 October 2017.

4. ^ "Telescope Optics". South Pole Telescope. Retrieved 5 April 2017.

5. ^ *a* *b* J. E. Carlstrom; P. A. R. Ade; K. A. Aird; et al. (May 2011), "The 10 Meter South Pole Telescope", *Publications of the Astronomical Society of the Pacific*, **123** (903): 568–581, arXiv:0907.4445 ⌨, Bibcode:2011PASP..123..568C ⌨, doi:10.1086/659879 ⌨, ISSN 0004-6280 ⌨, Wikidata Q56603073

6. ^ Richard A. Chamberlin (1 September 2001), "South Pole submillimeter sky opacity and correlations with radiosonde observations", *Journal of Geophysical Research*, **106** (D17): 20101–20113, Bibcode:2001JGR...10620101C ⌨, doi:10.1029/2001JD900208 ⌨, ISSN 0148-0227 ⌨, Wikidata Q56603074

7. ^ John Ruhl; Peter A. R. Ade; John E. Carlstrom; et al. (8 October 2004), "The South Pole Telescope", *Proceedings of SPIE*, **5498**: 11–29, arXiv:astro-ph/0411122 ⌨, Bibcode:2004SPIE.5498...11R ⌨, doi:10.1117/12.552473 ⌨, ISSN 0277-786X ⌨, Wikidata Q55893751

8. ^ Z. Staniszewski; P. A. R. Ade; K. A. Aird; et al. (20 July 2009), "Galaxy clusters discovered with a Sunyaev-Zel'dovich effect survey", *The Astrophysical Journal*, **701** (1): 32–41, arXiv:0810.1578 ⌨, Bibcode:2009ApJ...701...32S ⌨, doi:10.1088/0004-637X/701/1/32 ⌨, ISSN 0004-637X ⌨, Wikidata Q56603075

9. ^ *a* *b* K. Vanderlinde; T. M. Crawford; T. de Haan; et al. (28 September 2010), "Galaxy clusters selected with the Sunyaev-Zel'dovich effect from 2008 south pole telescope observations", *The Astrophysical Journal*, **722** (2): 1180–1196, arXiv:1003.0003 ⌨, Bibcode:2010ApJ...722.1180V ⌨, doi:10.1088/0004-637X/722/2/1180 ⌨, ISSN 0004-637X ⌨, Wikidata Q56603076

10. ^ F. W. High; B. Stalder; J. Song; et al. (26 October 2010), "Optical redshift and richness estimates for galaxy clusters selected with the Sunyaev-Zel'dovich effect from 2008 south pole telescope observations", *The Astrophysical Journal*, **723** (2): 1736–1747, arXiv:1003.0005 ⌨, Bibcode:2010ApJ...723.1736H ⌨, doi:10.1088/0004-637X/723/2/1736 ⌨, ISSN 0004-637X ⌨, Wikidata Q56603077

11. ^ M. Brodwin; J. Ruel; P. A. R. Ade; et al. (26 August 2010), "SPT-CL J0546-5345: a massive z>1 galaxy cluster selected via the Sunyaev-Zel'dovich effect in the south pole telescope", *The Astrophysical Journal*, **721** (1): 90–97, arXiv:1006.5639 ⌨, Bibcode:2010ApJ...721...90B ⌨, doi:10.1088/0004-637X/721/1/90 ⌨, ISSN 0004-637X ⌨, Wikidata Q56603078

12. ^ R. J. Foley; K. Andersson; G. Bazin; et al. (28 March 2011), "Discovery and cosmological implications of SPT-CL J2106-5844, the most massive known cluster at z>1", *The Astrophysical Journal*, **731** (2): 86, arXiv:1101.1286 ⌨, Bibcode:2011ApJ...731...86F ⌨, doi:10.1088/0004-637X/731/2/86 ⌨, ISSN 0004-637X ⌨, Wikidata Q27019776

13. ^ R. Williamson; B. A. Benson; F. W. High; et al. (19 August 2011), "A Sunyaev-Zel'dovich-selected sample of the most massive galaxy clusters in the 2500 deg^2 south pole telescope survey" (PDF), *The Astrophysical Journal*, **738** (2): 139, arXiv:1101.1290 ⌨, Bibcode:2011ApJ...738..139W ⌨, doi:10.1088/0004-637X/738/2/139 ⌨, ISSN 0004-637X ⌨, Wikidata Q56603079

14. ^ C. L. Reichardt; B. Stalder; L. E. Bleem; et al. (16 January 2013), "Galaxy clusters discovered via the Sunyaev-Zel'dovich effect in the first 720 square degrees of the South Pole Telescope survey", *The Astrophysical Journal*, **763** (2): 127, arXiv:1203.5775 ⌨, Bibcode:2013ApJ...763..127R ⌨, doi:10.1088/0004-637X/763/2/127 ⌨, ISSN 0004-637X ⌨, Wikidata Q56603080

15. ^ B. A. Benson; T. de Haan; J. P. Dudley; et al. (17 January 2013), "Cosmological constraints from sunyaev-zel'dovich-selected clusters with X-ray observations in the first 178 deg^2 of the south pole telescope survey", *The Astrophysical Journal*, **763** (2): 147, arXiv:1112.5435 ⌨, Bibcode:2013ApJ...763..147B ⌨, doi:10.1088/0004-637X/763/2/147 ⌨, ISSN 0004-637X ⌨, Wikidata Q56942987

16. ^ C. L. Reichardt; L. Shaw; O. Zahn; et al. (26 July 2012), "A measurement of secondary cosmic microwave background anisotropies with two years of south pole telescope observations", *The Astrophysical Journal*, **755** (1): 70, arXiv:1111.0932 ⌨, Bibcode:2012ApJ...755...70R ⌨, doi:10.1088/0004-637X/755/1/70 ⌨, ISSN 0004-637X ⌨, Wikidata Q56603081

17. ^ K. T. Story; C. L. Reichardt; Z. Hou; et al. (26 November 2013), "A measurement of the cosmic microwave background damping tail from the 2500-Square-Degree SPT-SZ survey", *The Astrophysical Journal*, **779** (1): 86, arXiv:1210.7231 ⌨, Bibcode:2013ApJ...779...86S ⌨, doi:10.1088/0004-637X/779/1/86 ⌨, ISSN 0004-637X ⌨, Wikidata Q56603082

18. ^ J D Vieira; Daniel P. Marrone; S C Chapman; et al. (13 March 2013), "Dusty starburst galaxies in the early Universe as revealed by gravitational lensing", *Nature*, **495** (7441): 344–347, arXiv:1303.2723 ⌨, Bibcode:2013Natur.495..344V ⌨, doi:10.1038/NATURE12001 ⌨, ISSN 1476-4687 ⌨, PMID 23485967 ⌨, Wikidata Q34332692

19. ^ D Hanson; S Hoover; A Crites; et al. (30 September 2013), "Detection of B -Mode Polarization in the Cosmic Microwave Background with Data from the South Pole Telescope", *Physical Review Letters*, **111** (14): 141301, arXiv:1307.5830 ⌨, Bibcode:2013PhRvL.111n1301H ⌨, doi:10.1103/PHYSREVLETT.111.141301 ⌨, ISSN 0031-9007 ⌨, PMID 24138230 ⌨, Wikidata Q27450018

20. ^ Matias Zaldarriaga; Uroš Seljak (June 1998), "Gravitational lensing effect on cosmic microwave background polarization", *Physical Review D*, **58** (2): 023003, arXiv:astro-ph/9803150 ⌨, doi:10.1103/PHYSREVD.58.023003 ⌨, ISSN 1550-7998 ⌨, Wikidata Q21707546

21. ^ Uroš Seljak; Matias Zaldarriaga (17 March 1997), "Signature of Gravity Waves in the Polarization of the Microwave Background", *Physical Review Letters*, **78** (11): 2054–2057, arXiv:astro-ph/9609169 ⌨, doi:10.1103/PHYSREVLETT.78.2054 ⌨, ISSN 0031-9007 ⌨, Wikidata Q27450617

22. ^ A. Manzotti; K. T. Story; W. L. K. Wu; et al. (30 August 2017), "CMB Polarization B-mode Delensing with SPTpol and Herschel", *The Astrophysical Journal*, **846** (1): 45, arXiv:1701.04396 ⌨, Bibcode:2017ApJ...846...45M ⌨, doi:10.3847/1538-4357/AA82BB ⌨, ISSN 0004-637X ⌨, Wikidata Q56603083

23. ^ J. W. Henning; J. T. Sayre; C. L. Reichardt; et al. (11 January 2018), "Measurements of the Temperature and E-mode Polarization of the CMB from 500 Square Degrees of SPTpol Data", *The Astrophysical Journal*, **852** (2): 97, arXiv:1707.09353 ⌨, doi:10.3847/1538-4357/AA9FF4 ⌨, ISSN 0004-637X ⌨, Wikidata Q56603084

[[en:Suffix automaton]]

Bibliography [edit | edit source]

- Peter Weiner (October 1973), "Linear pattern matching algorithms", *Symposium on Foundations of Computer Science*: 1–11, CiteSeerX 10.1.1.474.9582, doi:10.1109/SWAT.1973.13, Wikidata Q29541479
- Vaughan Ronald Pratt (1973), *Improvements and applications for the Weiner repetition finder*, OCLC 726598262, Wikidata Q90300966
- Anatoly Olesievich Slisenko (1983), "Detection of periodicities and string-matching in real time", *Journal of Mathematical Sciences*, **22** (3): 1316–1387, doi:10.1007/BF01084395, ISSN 1072-3374, Wikidata Q90305414
- Anselm Blumer; Janet Blumer; Andrzej Ehrenfeucht; David Haussler; Ross McConnell (1984), "Building the minimal DFA for the set of all subwords of a word on-line in linear time", *International Colloquium on Automata, Languages and Programming*: 109–118, doi:10.1007/3-540-13345-3_9, ISBN 978-3-540-13345-2, Wikidata Q90309073
- Anselm Blumer; Janet Blumer; Andrzej Ehrenfeucht; David Haussler; Ross McConnell (1987), "Complete inverted files for efficient text retrieval and analysis", *Journal of the ACM*, **34** (3): 578–595, CiteSeerX 10.1.1.87.6824, doi:10.1145/28869.28873, ISSN 0004-5411, Wikidata Q90311855
- Janet Blumer (1987), "How much is that DAWG in the window? A moving window algorithm for the directed acyclic word graph", *Journal of Algorithms*, **8** (4): 451–469, doi:10.1016/0196-6774(87)90045-9, ISSN 0196-6774, Wikidata Q90327976
- Mu-Tian Chen; Joel Seiferas (1985), "Efficient and Elegant Subword-Tree Construction", *Combinatorial Algorithms on Words*: 97–107, CiteSeerX 10.1.1.632.4, doi:10.1007/978-3-642-82456-2_7, ISBN 978-3-642-82456-2, Wikidata Q90329833
- Shunsuke Inenaga (2003), "Bidirectional Construction of Suffix Trees" (PDF), *Nordic Journal of Computing*, **10** (1): 52–67, CiteSeerX 10.1.1.100.8726, ISSN 1236-6064, Wikidata Q90335534
- Shunsuke Inenaga; Hiromasa Hoshino; Ayumi Shinohara; Masayuki Takeda; Setsuo Arikawa; Giancarlo Mauri; Giulio Pavesi (March 2005), "On-line construction of compact directed acyclic word graphs", *Discrete Applied Mathematics*, **146** (2): 156–179, CiteSeerX 10.1.1.1039.6992, doi:10.1016/J.DAM.2004.04.012, ISSN 0166-218X, Wikidata Q57518591
- Shunsuke Inenaga; Hiromasa Hoshino; Ayumi Shinohara; Masayuki Takeda; Setsuo Arikawa (2001), "Construction of the CDAWG for a trie" (PDF), *Prague Stringology Conference*: 37–48, CiteSeerX 10.1.1.24.2637, Wikidata Q90341606
- Shunsuke Inenaga; Ayumi Shinohara; Masayuki Takeda; Setsuo Arikawa (2004), "Compact directed acyclic word graphs for a sliding window", *Journal of Discrete Algorithms*, **2** (1): 33–51, CiteSeerX 10.1.1.101.358, doi:10.1016/S1570-8667(03)00064-9, ISSN 1570-8667, Wikidata Q90345535
- Jun'ichi Yamamoto; Tomohiro I; Hideo Bannai; Shunsuke Inenaga; Masayuki Takeda (2014), "Faster Compact On-Line Lempel-Ziv Factorization" (PDF), *Symposium on Theoretical Aspects of Computer Science*, *Leibniz International Proceedings in Informatics*, **25**: 675–686, CiteSeerX 10.1.1.742.6691, doi:10.4230/LIPICS.STACS.2014.675, ISBN 978-3-939897-65-1, ISSN 1868-8969, Wikidata Q90348192
- Yuta Fujishige; Yuki Tsujimaru; Shunsuke Inenaga; Hideo Bannai; Masayuki Takeda (2016), "Computing DAWGs and Minimal Absent Words in Linear Time for Integer Alphabets" (PDF), *International Symposium on Mathematical Foundations of Computer Science*, **58**: 38:1—38:14, doi:10.4230/LIPICS.MFCS.2016.38, ISBN 978-3-95977-016-3, ISSN 1868-8969, Wikidata Q90410044
- Mehryar Mohri; Pedro Moreno; Eugene Weinstein (September 2009), "General suffix automaton construction algorithm and space bounds", *Theoretical Computer Science*, **410** (37): 3553–3562, CiteSeerX 10.1.1.157.7443, doi:10.1016/J.TCS.2009.03.034, ISSN 0304-3975, Wikidata Q90410808
- Simone Faro (2016), "Evaluation and Improvement of Fast Algorithms for Exact Matching on Genome Sequences", *International Conference on Algorithms for Computational Biology*, *Lecture Notes in Computer Science*: 145–157, doi:10.1007/978-3-319-38827-4_12, ISBN 978-3-319-38827-4, Wikidata Q90412338
- Maxime Crochemore; Christophe Hancart (1997), "Automata for Matching Patterns", *Handbook of Formal Languages*, **2**: 399–462, CiteSeerX 10.1.1.392.8637, doi:10.1007/978-3-662-07675-0_9, ISBN 978-3-642-59136-5, Wikidata Q90413384
- Maxime Crochemore; Renaud Vérin (1997), "On compact directed acyclic word graphs", *Structures in Logic and Computer Science*, *Lecture Notes in Computer Science*: 192–211, CiteSeerX 10.1.1.13.6892, doi:10.1007/3-540-63246-8_12, ISBN 978-3-540-69242-3, Wikidata Q90413885
- Maxime Crochemore; Costas S. Iliopoulos; Gonzalo Navarro; Yoan J. Pinzon (2003), "A Bit-Parallel Suffix Automaton Approach for (δ,γ)-Matching in Music Retrieval", *International Symposium on String Processing and Information Retrieval*: 211–223, CiteSeerX 10.1.1.8.533, doi:10.1007/978-3-540-39984-1_16, ISBN 978-3-540-39984-1, Wikidata Q90414195
- John Edward Hopcroft; Jeffrey David Ullman (1979), *Introduction to Automata Theory, Languages, and Computation*, Massachusetts: Addison-Wesley, ISBN 81-7808-347-7, OL 9082218M, Wikidata Q90418603
- Edward R. Fiala; Daniel H. Greene (1989), "Data compression with finite windows", *Communications of the ACM*, **32** (4): 490–505, doi:10.1145/63334.63341, ISSN 0001-0782, Wikidata Q90425560
- Martin Senft; Tomáš Dvořák (2008), "Sliding CDAWG Perfection", *International Symposium on String Processing and Information Retrieval*: 109–120, doi:10.1007/978-3-540-89097-3_12, ISBN 978-3-540-89097-3, Wikidata Q90426624
- N. Jesper Larsson (1996), "Extended application of suffix trees to data compression", *Data Compression Conference*: 190–199, CiteSeerX 10.1.1.12.8623, doi:10.1109/DCC.1996.488324, ISSN 1068-0314, Wikidata Q90427112
- Andrej Brodnik; Matevž Jekovec (2018), "Sliding Suffix Tree", *Algorithms*, **11** (8): 118, doi:10.3390/A11080118, ISSN 1999-4893, Wikidata Q90431196
- Mikhail Rubinchik; Arseny M. Shur (February 2018), "Eertree" (PDF), *European Journal of Combinatorics*, **68**: 249–265, arXiv:1506.04862, doi:10.1016/J.EJC.2017.07.021, ISSN 0195-6698, Wikidata Q90726647
- Vladimir Serebryakov; Maksim Pavlovich Galochkin; Meran Gabibullaevich Furugian; Dmitriy Ruslanovich Gonchar (2006), *Теория и реализация языков программирования* (PDF) (in Russian), Moscow: MZ Press, ISBN 5-94073-094-9, Wikidata Q90432456
- Александр Александрович Рубцов (2019), *Заметки и задачи о регулярных языках и конечных автоматах* (PDF) (in Russian), Moscow: Moscow Institute of Physics and Technology, ISBN 978-5-7417-0702-9, Wikidata Q90435728
- Дмитрий А. Паращенко (2007), *Обработка строк на основе суффиксных автоматов* (PDF) (in Russian), Saint Petersburg: ITMO University, Wikidata Q90436837

{} wikicite

- An initiative to develop **open citations** and **linked bibliographic data** through grants, conferences, technical workshops, outreach events
- WikiCite community volunteers have added *millions* of journal articles to Wikidata in the last few years
- Bot imports continuously running to add more, and to cross-link them (e.g., which papers cite other which other papers?)
- Having citations in structured data makes it easier to run queries/update URLs/generate use statistics/etc. Also, fully multilingual

Meta: [[WikiCite]]. WikiData: [[WikiProject Source MetaData]]

Importing refs to Wikidata

- Many references are already on Wikidata
- Bots (and humans!) are continuously importing more
- Can use https://www.wikidata.org/wiki/Wikidata:Zotero , to export to QuickStatements format, then import to Wikidata (See https://w.wiki/pi2)
- Can also import using https://www.wikidata.org/wiki/Wikidata:SourceMD using PMID or DOI (use the old version; not ISBN or ORCID at the moment)
- Or manually add them to Wikidata!

Item Discussion

Read Labels list View history ☆ More ⌄ | Search Wikidata 🔍 |

The 10 Meter South Pole Telescope (Q56603073) ···

No description defined ✎ edit

▾ In more languages

Language	Label	Description	Also known as
English	The 10 Meter South Pole Telescope	No description defined	
Spanish	No label defined	No description defined	
French	No label defined	No description defined	
Portuguese	No label defined	No description defined	

All entered languages

Statements

instance of		scholarly article ···	✎ edit	
		▾ 0 references		
			✛ add reference	
			✛ add value	

title		The 10 Meter South Pole Telescope (English)	✎ edit	
		▾ 0 references		
			✛ add reference	
			✛ add value	

author		Carole Tucker ···	✎ edit	
		stated as	C. Tucker ···	
		series ordinal	41 ···	

Wikipedia (0 entries) ✎ edit

Wikibooks (0 entries) ✎ edit

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Wikiversity (0 entries) ✎ edit

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Wiktionary (0 entries) ✎ edit

Other sites (0 entries) ✎ edit

Lua implementation

- We have rewritten the Cite Q code in the last month
- Before: template was partly in ParserFunctions and partly in Lua
- Template is now 100% Lua - code at
  https://en.wikipedia.org/wiki/Module:Cite_Q
- Uses WikidataIB to fetch values from Wikidata and to format them

Lua implementation

- 'Simple' properties are defined at the top of the code, easy to add more options. More complex operations are done further down the code.
- Many bugs fixed (e.g., limiting to 1 publication date)
- Can manually override values if needed (but often better to fix on Wikidata!)
- Or set parameter to 'unset' to not show it.

Module:Cite Q - RexxS will go through this code after the talk!

```lua
require('Module:No globals')
local wdib = require('Module:WikidataIB')
local getValue = wdib._getValue
local getPropOfProp = wdib._getPropOfProp
local followQid = wdib._followQid

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Test cases

{{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), doi:10.1371/JOURNAL.PONE.0010676, ISSN 1932-6203, PMC 2873961, PMID 20505760, Wikidata 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), doi:10.1371/JOURNAL.PONE.0010676, ISSN 1932-6203, PMC 2873961, PMID 20505760, 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), doi:10.1371/JOURNAL.PONE.0010676, ISSN 1932-6203, PMC 2873961, PMID 20505760, retrieved 18 May 2017, Wikidata 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), doi:10.1371/JOURNAL.PONE.0010676, ISSN 1932-6203, PMC 2873961, PMID 20505760, Wikidata Q15625490, retrieved 18 May 2017

{{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), doi:10.1371/JOURNAL.PONE.0010676, ISSN 1932-6203, PMC 2873961, PMID 20505760, "lorem ipsum", Wikidata 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), doi:10.1371/JOURNAL.PONE.0010676, ISSN 1932-6203, PMC 2873961, PMID 20505760, Wikidata Q15625490, "lorem ipsum"

{{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, doi:10.1371/JOURNAL.PONE.0010676, ISSN 1932-6203, PMC 2873961, PMID 20505760, retrieved 18 May 2017, "lorem ipsum", Wikidata 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): 42, doi:10.1371/JOURNAL.PONE.0010676, ISSN 1932-6203, PMC 2873961, PMID 20505760, Wikidata Q15625490, retrieved 18 May 2017, "lorem ipsum"

{{Cite Q|Q90413384}} (with volume, issue, pages and date as qualifiers)

Maxime Crochemore; Christophe Hancart (1997), "Automata for Matching Patterns", *Handbook of Formal Languages*, **2**: 399–462, CiteSeerX 10.1.1.392.8637, doi:10.1007/978-3-662-07675-0_9, ISBN 978-3-642-59136-5, Wikidata Q90413384

Maxime Crochemore; Christophe Hancart (1997), "Automata for Matching Patterns", *Handbook of Formal Languages*, **2**: 399–462, CiteSeerX 10.1.1.392.8637, doi:10.1007/978-3-662-07675-0_9, ISBN 978-3-642-59136-5, Wikidata Q90413384

{{Cite Q|Q30000000}} (with volume & issue in both locations)

S. Miccadei; Rossana De Leo; Enrico Zammarchi; Pier Giorgio Natali; Donato Civitareale (1 April 2002), "The Synergistic Activity of Thyroid Transcription Factor 1 and Pax 8 Relies on the Promoter/Enhancer Interplay", *Molecular Endocrinology*, **16** (4): 837–846, doi:10.1210/MEND.16.4.0808, ISSN 0888-8809, PMID 11923479, Wikidata Q30000000

S. Miccadei; Rossana De Leo; Enrico Zammarchi; Pier Giorgio Natali; Donato Civitareale (1 April 2002), "The Synergistic Activity of Thyroid Transcription Factor 1 and Pax 8 Relies on the Promoter/Enhancer Interplay", *Molecular Endocrinology*, **16** (4): 837–846, doi:10.1210/MEND.16.4.0808, ISSN 0888-8809, PMID 11923479, Wikidata Q30000000

{{Cite Q|Q56219959}} (with multiple URLs)

"Susan Comrie is the 2016 Sanlam Financial Journalist of the Year", *Sanlam*, 29 June 2017, Wikidata Q56219959

"Susan Comrie is the 2016 Sanlam Financial Journalist of the Year", *Sanlam*, 29 June 2017, Wikidata Q56219959

{{Cite Q|Q21128894}} (with duplicate dates)

Murray Peel; Brian Finlayson; Thomas A. McMahon (1 March 2007), "Updated world map of the Köppen-Geiger climate classification", *Hydrology and earth system sciences discussions*, **4** (2): 439–473, doi:10.5194/HESSD-4-439-2007, ISSN 1812-2116, Wikidata Q21128894

Murray Peel; Brian Finlayson; Thomas A. McMahon (1 March 2007), "Updated world map of the Köppen-Geiger climate classification", *Hydrology and earth system sciences discussions*, **4** (2): 439–473, doi:10.5194/HESSD-4-439-2007, ISSN 1812-2116, Wikidata Q21128894

Available on other wikis

- The version on enwp has been rewritten recently
- An updated copy is installed on Wikidata, (+ other wikis?)
- Older versions exist on other wikis, but probably need updating to the latest versions
- In the ptwp, the module and template are under the name *Citar Q*
- ... there will be another update coming this weekend (but dependencies will be the same, so try this version now!)

Live demo

- https://en.wikipedia.org/wiki/BICEP_and_Keck_Array
- Reference 15 is "Detection of B-Mode Polarization at Degree Angular Scales by BICEP2"
- Can find on Wikidata by searching the title, or looking at the arxiv ID

eScholarship grant

- This work was funded by a WikiCite eScholarship, which provided per diems for four of us, and a Zoom connection that we could work collaboratively with (screen sharing etc.).
- It is one of a series of eScholarships and WikiCite grants, see https://diff.wikimedia.org/2020/10/22/wikicite-awards-23-grants-escholarships-to-improve-open-citations/
- The project report will be posted later this month.

What's next?

- We have 1 day left of the WikiCite grant work (Saturday 12th December)
- Aim is to resolve any remaining bugs, tackle some more feature requests, and write up the project report.
- It is fully ready to use in articles, if the community wants.
- Also: there's an ambitious draft proposal at https://meta.wikimedia.org/wiki/WikiCite/Shared_Citations that's inspired by Cite Q but for sharing references across all Wikimedia projects!

Tasks

Use Cite Q in articles

- Convert existing refs, or add new ones
- Test tricky cases to see if you can find bugs!
- Suggest/make improvements to documentation

Useful links:

- https://en.wikipedia.org/wiki/Template:Cite_Q
- https://en.wikipedia.org/wiki/Template:Cite_Q/testcases
- https://pt.wikipedia.org/wiki/Categoria:!CS1_erros

Tasks

Import Cite Q into your language Wikipedia

- Need to import Cite Q, WikidataIB, Template:Citation, and their dependencies
- Some localisation might be needed for parameter names
- Wikidata info is automatically multilingual! But may need additional labels adding in your language (e.g., journal names)

A talk in two parts…

- ~~First we will go through the wiki side of things (Mike+)~~
- Then we will go through the Lua code in detail (Doug+)