

CiteULike CiTO Use Case #1: Wordles

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Published October 31, 2010

Citation

Willighagen, E. (2010, October 31). CiteULike CiTO Use Case #1: Wordles. *Chem-bla-ics*. <https://doi.org/10.59350/npbqm-gfa49>

Keywords

Cito, Citeulike, Cdk, Wordle

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chem-bla-ics

Last month I reported a [few things I missed](#) in [CiteULike](#). One of them was support for CiTO (see [doi:10.1186/2041-1480-1-S1-S6](https://doi.org/10.1186/2041-1480-1-S1-S6)), a great Citation Typing Ontology.

I promised the CiTO author, [David](#), my use cases, but have been horribly busy in the past few weeks with my new position, wrapping up my past position, and thinking on my position after Cambridge. But finally, here it is. Based on source code I [wrote and released earlier](#), the first use case I represent is the [Wordle](#) one, which I [showed with manual work in February](#).

Now that all the data is semantically marked up in CiteULike, I can easily extract all paper titles (or whatever is available in CiteULike) for all papers that cite the first [CDK paper](#) ([doi:10.1021/ci025584y](https://doi.org/10.1021/ci025584y)). Using the JSON interface, I have [this Groovy script](#) to extract all titles:

```
import groovyx.net.http.HTTPBuilder
import groovyx.net.http.Method
import static groovyx.net.http.ContentType.JSON

culUrl = "http://www.citeulike.org/";

citotags = [
    "cito--cites",
    "cito--usesMethodIn",
    "cito--discusses",
    "cito--extends"
// there are more, but these are all
// I use right now
]

papers = [
    "1073448",
    "423382"
]

http = new HTTPBuilder(culUrl)

papers.each { paper ->
    println "# Processing $paper..."
    citotags.each { tag ->
        citation = "$tag--$paper".toLowerCase()
        http.request(Method.valueOf("GET"), JSON) {
            uri.path = "/json/user/egonw/tag/$citation"

            response.success = { resp,json ->
                json.each { article ->
                    tripleCount = 0;
```


