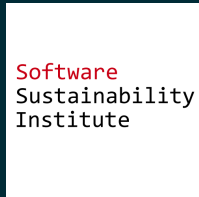
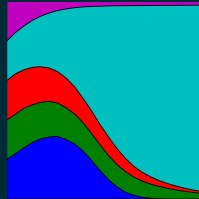


Accessing open research literature with Python

@NikoletaGlyn

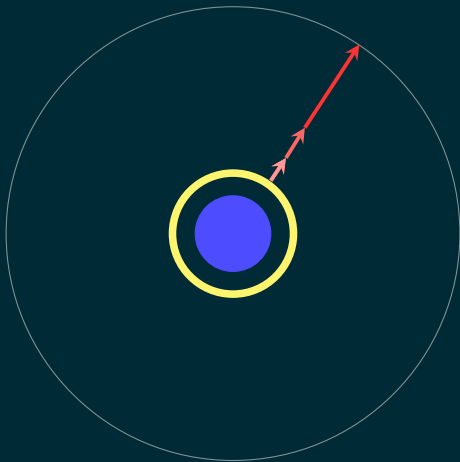


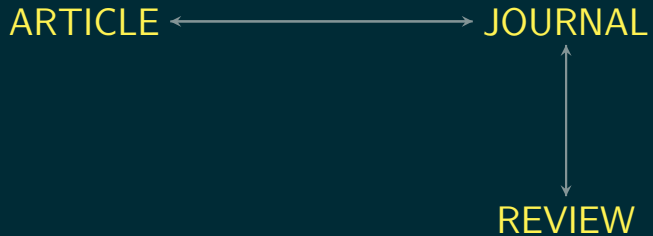


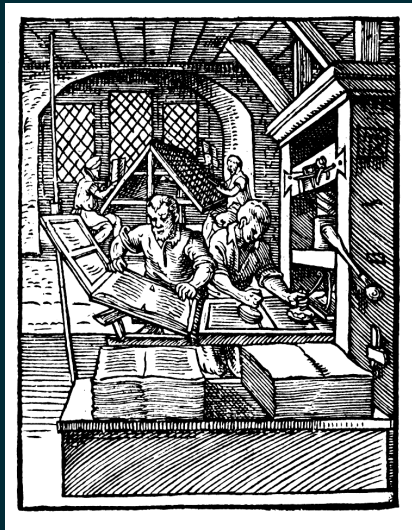
The illustrated guide to a Ph.D.

Matt Might

<http://matt.might.net/articles/phd-school-in-pictures/>







1436



1980s

NAMIBIA

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F. Ndinamwene; M. Mutingi; C. Mbohwa; H. Mapfira
2016 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)
Year: 2016
Pages: 1841 - 1845, DOI: 10.1109/IEEM.2016.7798196
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Amelia Phillips

2011 Sixth IEEE International Workshop on Systematic Approaches to Digital Forensic Engineering

Year: 2011

Pages: 1 - 6, DOI: 10.1109/SADFE.2011.4

IEEE Conference Publications

► Abstract ([html](#))  (283 Kb) 

-
- ☐ **Mapping pegmatite using HyMap data in southern Namibia** 

Atsushi Momose; Shuichi Miyatake; Yessy Arvelyna; Anna Nguno; Kombada Mhopjeni; Minsozi Sibeso; Aphary Muyongo; Ewereth Muvangua

2011 IEEE International Geoscience and Remote Sensing Symposium

Year: 2011

Pages: 2216 - 2217, DOI: 10.1109/IGARSS.2011.6049608

IEEE Conference Publications

► Abstract ([html](#))  (1943 Kb) 

$$0.5\text{min} + 100 \times 1.5\text{min} + 10 \times 0.5\text{min} = \\ 155.5\text{min} \Rightarrow 2\text{h and } 35.5\text{min}$$

API

QUERY

```
http://ieeexplore.ieee.org/gateway/ipsSearch.jsp?ti=
Namibia&hc=100
```

QUERY

<http://ieeexplore.ieee.org/gateway/ipsSearch.jsp?ti=Namibia&hc=100>

<http://api.plos.org/search?q=title:Namibia&rows=100>

QUERY

<http://ieeexplore.ieee.org/gateway/ipsSearch.jsp?ti=Namibia&hc=100>

<http://api.plos.org/search?q=title:Namibia&rows=100>

<http://www.nature.com/opensearch/request?queryType=cql&query=dc.title%20adj%20Namibia&maximumRecords=100>

...

```
ieeexplore.ieee.org/ x
ieeexplore.ieee.org/gateway/ipsSearch.jsp?ti=Namibia&hc=100

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      Mapping pegmatite using HyMap data in southern Namibia
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  </title>
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```


$$15\text{min} + 1\text{min} + 50\text{min} = 66\text{min} \Rightarrow 1\text{h and } 6\text{min}$$

API₂

Query

XML

API₁

Query

XML

API₃

Query

XML

API₆

Query

XML

API₄

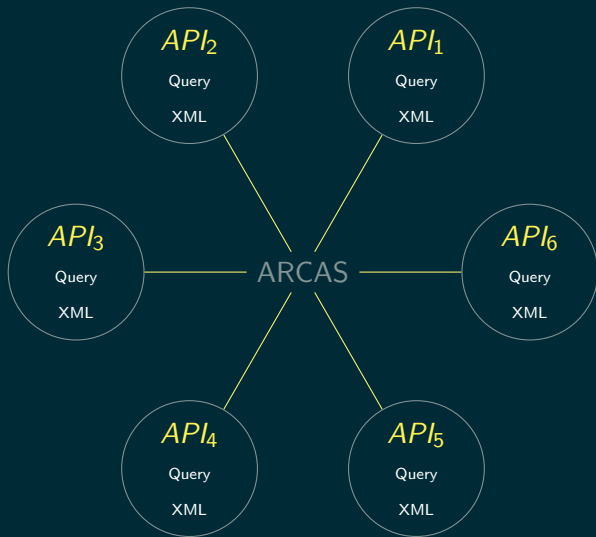
Query

XML

API₅

Query

XML



```
pip install arcas
```

```
import arcas

arguments = {'-a': None, '-t': 'Namibia', '-s': None,
            '-r': 1, '-y': None, '-b': None}

api = arcas.Ieee()

parameters = api.parameters_fix(arguments)

url = api.create_url_search(parameters)
request = api.make_request(url)
root = api.get_root(request)
raw_article = api.parse(root)
article = api.to_dataframe(raw_article)
```

```
import arcas

arguments = {'-a': None, '-t': 'Namibia', '-s': None,
            '-r': 100, '-y': None, '-b': None}

for p in [arcas.Ieee, arcas.Plos, arcas.Arxiv,
          arcas.Nature, arcas.Springer]:
    api = p()
    parameters = api.parameters_fix(arguments)

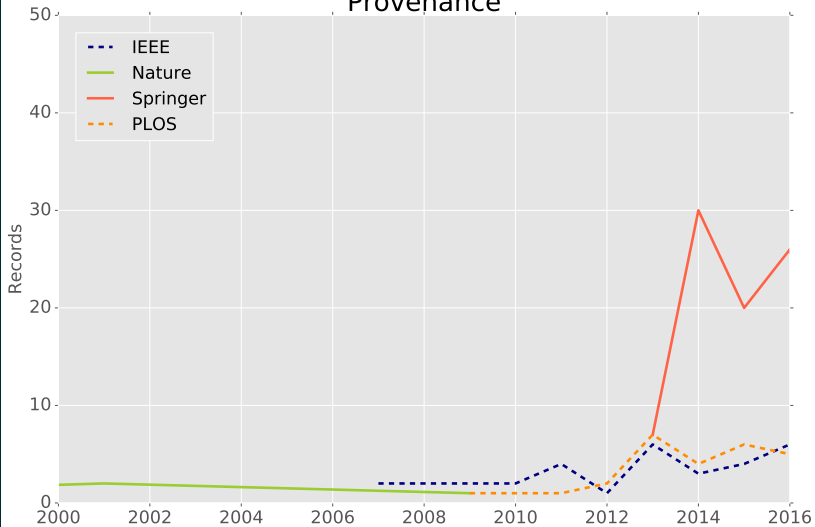
    url = api.create_url_search(parameters)
    request = api.make_request(url)
    root = api.get_root(request)
    raw_article = api.parse(root)

    for art in raw_article:
        article = api.to_dataframe(art)
        api.export(article, 'results.json')
```

```
{"key":{"0":"Momose2011",
      "1":"Momose2011",
      "2":"Momose2011"},
"unique_key":{"0":"4061b0ca3b823f85a0cb2823a554c524",
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            "1":"geophysical image processing",
            "2":"geophysical techniques"},
"provenance":{"0":"IEEE",
              "1":"IEEE",
              "2":"IEEE"}}
```

$$15\text{min} + 5\text{min} = 20\text{min}$$

Provenance



tools.py

doc/

arcas.readthedocs.io/

IEEE

Nature

PLOS

...

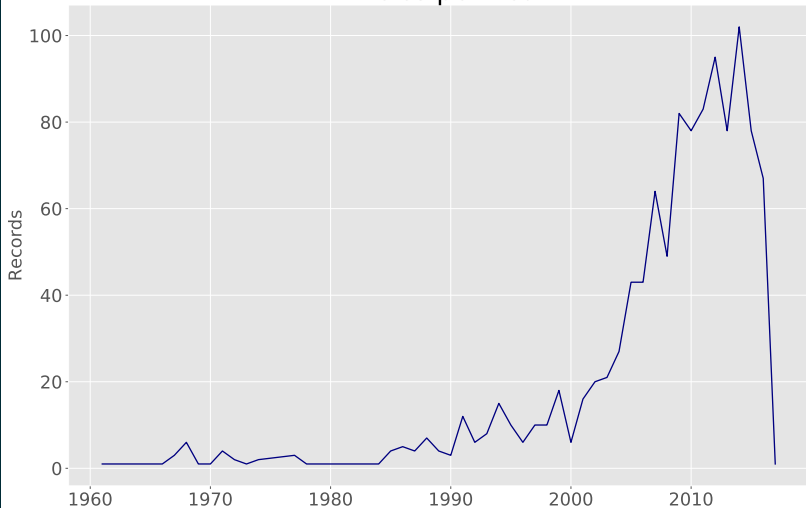
testIEEE

testNature

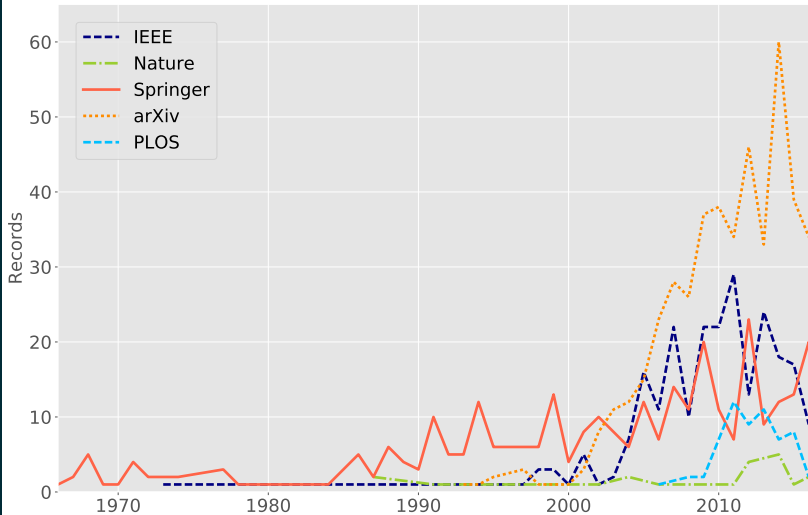
testPLOS

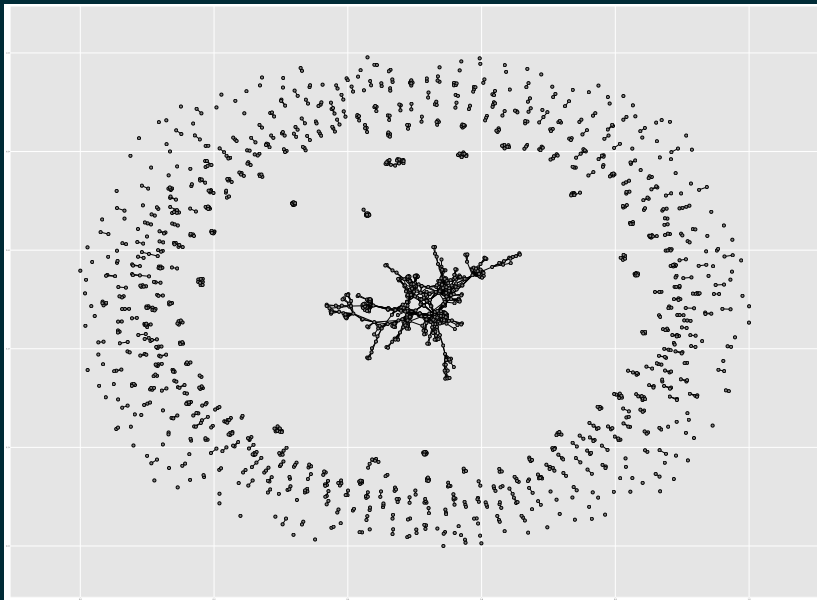
...

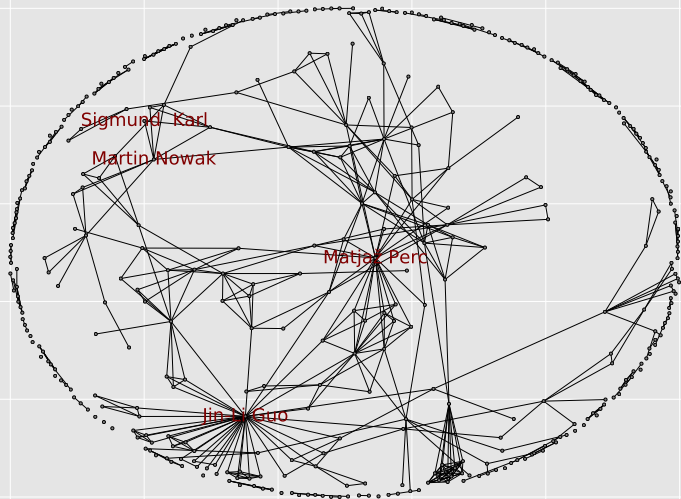
Articles per Year



Provenance








```
arcas_scrape -h
```

Arcas. A library to facilitate scraping of APIs **for** scholarly resources.

Usage:

```
arcas_scrape [-h] [-p API] [-a AUTHOR] [-t TITLE] [-b ABSTRACT]
[-y YEAR] [-r RECORDS] [-s START] [-v VALIDATE] [-f FILENAME]
arcas_scrape --version
```

Options:

-h --help	Show this
--version	Show version.
-p API	The online API, from <u>a given list</u> , to parse [default: arxiv]
-a AUTHOR	Terms to search for in Author
-t TITLE	Terms to search for in Title
-b ABSTRACT	Terms to search for in the Abstract
-y YEAR	Terms to search for in Year
-r RECORDS	Number of records to fetch
-s START	Sequence number of first record to fetch
-v VALIDATE	Checks if query returned with arguments asked [default: False]
-f FILENAME	Name of json file [default: results.json]

I academic API so you don't have to!

@NikoletaGlyn

<https://github.com/Nikoleta-v3/Arcas>

@SoftwateSaved

@PhoenixCUni