Arcas: Using Python to access open research literature

@NikoletaGlyn





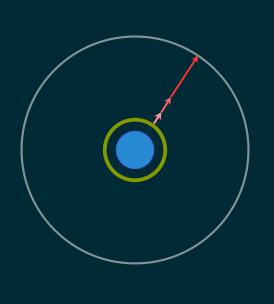


Software Sustainability Institute

The illustrated guide to a Ph.D.

Matt Might

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



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Sustainable Software



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Comments: submitted to the Workshop on Sustainable Software for Science: Practice and Experiences 29(1) Subjects: Computational Engineering, Finance, and Science pa. CSI), Mathematical Software (cs. MS) Software Engineering (cs. SS) 100, arXiv:1300-1300 (vs.)

Niche Modeling: Ecological Metaphors for Sustainable Software in Science
Nicholas Weber, Andres Thomas, Michael Twiddle
Comments: Publication capes administer in Webshop in Science Tractice and Dissences MSSSF1 503, Sorder, 17 November 2013, Denver, CO, USA

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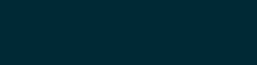
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Toward a Research Software Security Maturity Model
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Towards a Software Product Sustainability Model
Cord Calery, Marginet Microps, Marginet F. Berton
Commence: 4 pages, 19 pages 1 figure for its Warnings on Sustainable Software for Soverer Phastice and Expenses 2013. Bits high URS, Software Software Engineering (scale).

.uspr:2304.00 [pdt, oher] SimGrid: a Sustained Effort for the Versatile Simulation of Large Scale Distributed Systems Heat Cassarea, Annual Glouch, Arnual Lagrand, Marin Qurrace, Federic Suse

Comments: 4 pages, submission to VESSIPE'13 Subjects: Distributed, Panallel, and Claster Computing (cs.DC)



API

http://export.arxiv.org/api/query?search_query= Sustainable%20Software

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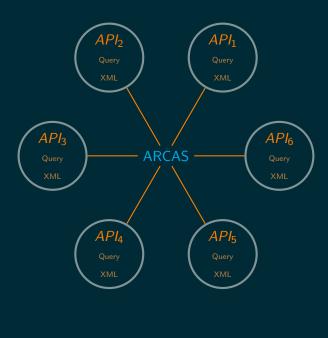
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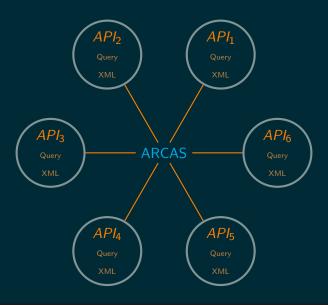
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dc.title%20adj%20SustainableSoftware&maximumRecords=100

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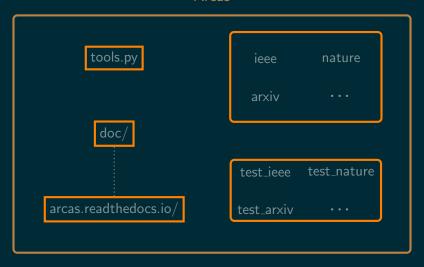
```
>>> import arcas
>>> api = arcas.Arxiv()
>>> parameters = api.parameters_fix(
        title='sustainable software', records=1, start=1)
>>> url = api.create_url_search(parameters)
>>> request = api.make_request(url)
>>> root = api.get_root(request)
>>> raw_article = api.parse(root)
>>> article = api.to_dataframe(raw_article[0])
```

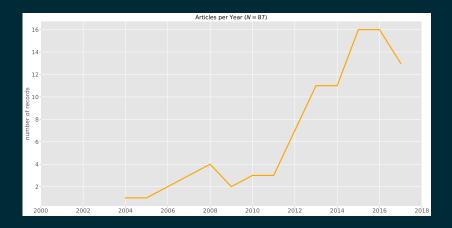
>>> api.export(article, "result.json")

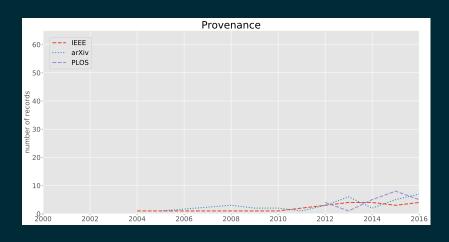
```
{"key":{"0":"Ahern2013"},
  "unique_key":{"0":"698d27415f69258ef122f46b184a77e0"},
  "title":{"0":"VisIt: Experiences with Sustainable Software"},
  "author":{"0":"Sean Ahern","1":"Eric Brugger"},
  "abstract":{"0":" The success of the VisIt visualization..."},
  "date":{"0":2013},
  "journal":{"0":"arXiv"},
  "provenance":{"0":"arXiv"}}
```

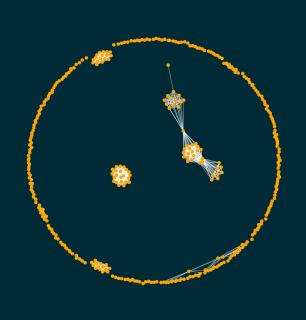
```
>>> for p in [arcas.Arxiv, arcas.Nature, arcas.Ieee, arcas.Plos]:
      api = p()
      parameters = api.parameters_fix(
            title='sustainable software', records=1, start=1)
      url = api.create_url_search(parameters)
      request = api.make_request(url)
      root = api.get_root(request)
      raw_article = api.parse(root)
           for art in raw_article:
               article = api.to dataframe(art)
           api.export(article, "result_from_{}.json".format(
               api. class . name ))
      except TypeError:
```

Arcas









https://github.com/ArcasProject/ArcasExamples

\$ arcas_scrape --version Arcas 0.0.1

sarcas_scrape -parxiv -t "Sustainable Software" -r 1 http://export.arxiv.org/api/querygsearch_query=ti:Sustainable Software&max_results=1&start=1

@NikoletaGlyn https://github.com/Nikoleta-v3/Arcas https://nikoleta-v3.github.io/talks/