
arxivcheck Documentation

Release 1.0.0

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CHAPTER 1

Install

```
pip install arxivcheck
```


2.1 main.py

The core module of my example project

`arxivcheck.arxiv.add_eprint_to_bib(bib, eprint)`

Insert the eprint information in a given bibtex string

Parameters

- **bib** (*str*) – The bibtex string without the arxiv number
- **eprint** (*str*) – The arxiv number

Returns **bib** – The bibtex string with the arxiv number

Return type *str*

`arxivcheck.arxiv.check_arxiv_published(value, field='id', get_first=True, keep_eprint=False)`

Parameters

- **value** (*str*) – value of the field
- **field** (*str*) – field used for the arxiv search API
- **get_first** (*bool*) –
- **keep_eprint** (*bool*) – If True keep the arxiv number if the paper has already been published

Returns

- **found** (*bool*) – True if found the arxiv item
- **published** (*bool*) – True if the arxiv has already been published
- **bib** (*str*) – bibtex string

`arxivcheck.arxiv.generate_bib_from_arxiv(arxiv_item, value, field='id')`

Parameters

- **arxiv_item** (*dict*) –
- **value** (*str*) –
- **field** (*str*) –

Returns **bib** – The bibtex string related with the arxiv item

Return type *str*

`arxivcheck.arxiv.get_arxiv_info(value, field='id')`

Get arxiv information given

Parameters

- **value** (*str*) – value of the field
- **field** (*str*) – the field used for build the query string

Returns

- **found** (*bool*) – True if at least one arxiv has been found
- **items** (*list of dicts*) – List containing all the arxiv's related with the search query

3.1 Given a arxiv id...

```
$ arxivcheck 1601.02785
```

3.2 Given a arxiv title

```
$ arxivcheck -t Periodic Table of Topological
```

3.3 Given a file of titles or ids

```
$ arxivcheck -i arxivs.txt
```

check if has been published, and then returns the updated bib return outputs like

```
@article{2007Karianearxiv:math/0703567v2,  
  author = {Kariane Calta and John Smillie},  
  journal = {arxiv:math/0703567v2},  
  title = {Algebraically periodic translation surfaces},  
  url = {http://arxiv.org/abs/math/0703567v2},  
  year = {2007}  
}  
  
@article{Bradlyn_2016,  
  doi = {10.1126/science.aaf5037},  
  url = {https://doi.org/10.1126%2Fscience.aaf5037},  
  year = 2016,  
  month = {jul},
```

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```
publisher = {American Association for the Advancement of Science ({AAAS})},
volume = {353},
number = {6299},
pages = {aaf5037},
author = {Barry Bradlyn and Jennifer Cano and Zhijun Wang and M. G. Vergniory and_
↪C. Felser and R. J. Cava and B. Andrei Bernevig},
title = {Beyond Dirac and Weyl fermions: Unconventional quasiparticles in_
↪conventional crystals},
journal = {Science}
}
```

CHAPTER 4

Indices and tables

- `genindex`
- `modindex`
- `search`

a

`arxivcheck.arxiv`, 3

A

`add_eprint_to_bib()` (*in module arxivcheck.arxiv*), 3
`arxivcheck.arxiv` (*module*), 3

C

`check_arxiv_published()` (*in module arxivcheck.arxiv*), 3

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`generate_bib_from_arxiv()` (*in module arxivcheck.arxiv*), 3
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