
article-downloader Documentation

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articledownloader.articledownloader module

class `articledownloader.articledownloader.ArticleDownloader` (*els_api_key=None*,
crf_api_key=None,
timeout_sec=30)

check_els_entitlement (**args*, ***keywords*)

Checks entitlement for fulltext downloads on Elsevier's API

Parameters *doi* (*str*) – Document Object Identifier (DOI) for the paper we are checking

Return type `bool`

Returns Whether or not we can download the article (True = Yes, No = False)

get_abstract_from_doi (**args*, ***keywords*)

Returns abstract as a unicode string given a DOI

Parameters

- *doi* (*str*) – DOI string for the article we want to grab metadata for
- *mode* (*str*) – Only supports 'elsevier' for now

Returns An abstract (or None on failure)

Return type `unicode`

get_dois_from_journal_issn (**args*, ***keywords*)

Grabs a set of unique DOIs based on a journal ISSN using the CrossRef API

Parameters

- *issn* (*str*) – The ISSN of the journal
- *rows* (*int*) – the maximum number of DOIs to find
- *pub_after* (*int*) – the minimum publication year for DOIs returned

Returns the unique set of DOIs as a list

Return type list

get_dois_from_search (*args, **keywords)

Grabs a set of unique DOIs based on a search query using the CrossRef API

Parameters

- **query** (*str*) – the search string
- **rows** (*int*) – the maximum number of DOIs to find

Returns the unique set of DOIs as a list

Return type list

get_html_from_doi (*args, **keywords)

Downloads and writes an HTML article to a file, given a DOI and operating mode

Parameters

- **doi** (*str*) – DOI string for the article we want to download
- **writefile** (*file*) – file object to write to
- **mode** (*str*) – either ‘elsevier’ | ‘springer’ | ‘acs’ | ‘ecs’ | ‘rsc’ | ‘nature’ | ‘wiley’ | ‘aaas’, depending on how we wish to access the file

Returns True on successful write, False otherwise

Return type bool

get_pdf_from_doi (*args, **keywords)

Downloads and writes a PDF article to a file, given a DOI and operating mode

Parameters

- **doi** (*str*) – DOI string for the article we want to download
- **writefile** (*file*) – file object to write to
- **mode** (*str*) – either ‘crossref’ | ‘elsevier’ | ‘rsc’ | ‘springer’ | ‘ecs’ | ‘nature’ | ‘acs’, depending on how we wish to access the file

Returns True on successful write, False otherwise

Return type bool

get_title_from_doi (*args, **keywords)

Returns title of an article as a unicode string given a DOI

Parameters

- **doi** (*str*) – DOI string for the article we want to grab metadata for
- **mode** (*str*) – Only supports ‘crossref’ for now

Returns An abstract (or None on failure)

Return type unicode

load_queries_from_csv (*args, **keywords)

Loads a list of queries from a CSV file

Parameters **csvf** (*file*) – file object containing a CSV file with one query per line

Returns a list of queries, processed to be insertable into REST API (GET) calls

Return type list

CHAPTER 2

Indices and tables

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