

API Information for Paper Manager

For correct usage of every API, refer to the Postman Collection

DBLP - <http://dblp.uni-trier.de/>

- A good api for extracting the metadata. However, search does not return abstract of the publication.
- Returns result in JSON and XML
- Documentation: <http://dblp.uni-trier.de/faq/How+to+use+the+dblp+search+API.html>

IEEEExplore - <https://developer.ieee.org/>

- Requires an API key which can only be obtained for a live working application. Here is what their website says regarding obtaining the API key, "You will need an API key to actually use the API. Tell us about your application and/or how you plan to use the IEEE Xplore API and provide your organization's website URL. NOTE: Only one API key per application. API keys are issued during business hours (8am-5pm) Eastern time, Monday - Friday. Depending on the nature of your application, it may take longer to issue API keys".
- Documentation: https://developer.ieee.org/docs/read/Metadata_API_responses

ArcXivAPI - <https://arxiv.org/>

- Access to over 100,000 publications. Has a very good API which returns almost all the metadata of publications which is required, including the **abstract**.
- Certain constraints can be added to do search based on titles only
- Returns results in JSON
- Documentation: <https://arxiv.org/help/api/user-manual>

SpringerAPI - <https://dev.springer.com>

- Springer metadata API is the most relevant API for our use.
- Gives list of books as well as journals. For the time being we focus on journals only
- Documentation: <https://dev.springer.com/adding-constraints>
- Requires an API key but is accessible free
- Returns data in XML as well as JSON

PLos - <https://www.plos.org/>

- Mostly oriented towards science and medicine
- **PLOS Search API rate limit:** Please limit your API requests to 7200 requests a day, 300 per hour, 10 per minute and allow 5 seconds for your search to return results. If you exceed this threshold, we will lock out your IP address. If you're a high-volume user of the PLOS Search API and need more API requests a day, please contact us at api@plos.org to discuss your options. We currently limit API users to no more than five concurrent connections from a single IP address.
- <http://api.plos.org/solr/examples/>
- Returns response in JSON
- Very clean API structure
- Documentation: <http://api.plos.org/solr/>

For detailed usage, refer to the Postman Collection included in the folder