CiTO API

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# Requirements

* download all the annotations
  + by a single person on a single article, or
  + by many people on a single article, or
  + by a single person on all the articles (s)he has annotated?
* download options
  + as plain text file
  + as plain text file with formatting
  + as HTML
  + as RDF

# Web Service End Point

<http://www.miidi.org/cito/api>

# Search Methods

### 

### Download all the annotations by a single person on a single article

#### URL

http://www.miidi.org/cito/api/search?subject=<subject>&userid=<userid>&format=<format>

#### Request Method

GET

#### Required Authentication

No

#### Parameters

##### Required

* **subject** URL-encoded URL for the article
* **userid** unique ID for the author stored in author’s browser localStorage

##### Optional

* format - format to return result (default is plain text)
  + **txt** plain text file
  + **txtf** plain text file with formatting
  + **ttl**  RDF turtle
  + **json** JSON

#### Returns

##### txt format

userid|timestamp|subject|predicate|object

userid|timestamp|subject|predicate|object

userid|timestamp|subject|predicate|object

##### json format

{  
{  
"userid":"<userid>",  
"timestamp": "<timestamp>",  
"subject" : "<subject>",  
"predicate" : "<predicate>",  
"object" : "<object>"  
},  
{  
"userid":"<userid>",  
"timestamp": "<timestamp>",  
"subject" : "<subject>",  
"predicate" : "<predicate>",  
"object" : "<object>"  
},  
}

#### Request example

<http://www.miidi.org/cito/api/search?subject=%3Chttp://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808925/%3E&userid=KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1&format=txt>

#### Response example

KDYXFJ4IM2RIAUBYRYUWPWO37BLNSD|Fri, 04 Jan 2013 17:25:48 GMT|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808925/>|<http://purl.org/spar/cito/usesDataFrom>|<http://www.ncbi.nlm.nih.gov/pubmed/12120480>

#### Request Example

<http://www.miidi.org/cito/api/search?subject=%3Chttp://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808925/%3E&userid=KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1&format=json>

#### Response example

{  
{  
"userid":"KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1",  
"timestamp": "2013-01-28 12:40:00",  
"subject" : "<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808925/>",  
"predicate" : "<http://purl.org/spar/cito/citesAsAuthority>",  
"object" : "<http://www.ncbi.nlm.nih.gov/pubmed/15760272>"  
},  
{  
"userid":"KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1",  
"timestamp": "2013-01-28 12:40:02",  
"subject" : "<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808925/>",  
"predicate" : "<http://purl.org/spar/cito/citesForInformation>",  
"object" : "<http://www.ncbi.nlm.nih.gov/pubmed/15760272>"  
},  
}

### 

### 

### Download all the annotations on a single article by many people

#### URL

http://www.miidi.org/cito/api/search?subject=<subject>&format=<format>

#### Request Method

GET

#### Required Authentication

No

#### Parameters

##### Required

* **subject** = equal to URL of article

##### Optional

* format - format to return result (default is plain text)
  + **txt** plain text file
  + **txtf** plain text file with formatting
  + **ttl**  RDF turtle
  + **json** JSON

#### Returns

##### txt format

userid|timestamp|subject|predicate|object

userid|timestamp|subject|predicate|object

userid|timestamp|subject|predicate|object

##### json format

{  
{  
"userid":"<userid>",  
"timestamp": "<timestamp>",  
"subject" : "<subject>",  
"predicate" : "<predicate>",  
"object" : "<object> "  
},

}

#### Request example

<http://www.miidi.org/cito/api/search?subject=%3Chttp://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808925/%3E>

#### Response example

KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 12:40:00|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808925/>|<http://purl.org/spar/cito/citesAsAuthority>|<http://www.ncbi.nlm.nih.gov/pubmed/15760272>  
KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 12:40:02|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808925/>|<http://purl.org/spar/cito/citesForInformation>|<http://www.ncbi.nlm.nih.gov/pubmed/15760272>

### 

### 

### Download all the annotations by a single person on all the articles (s)he has annotated

#### URL

http://www.miidi.org/cito/api/search?subject=all&userid=<userid>&format=<format>

#### Request Method

GET

#### Required Authentication

No

#### Parameters

##### Required

* **subject** - equal to ‘all’
* **userid** unique ID for the author stored in author’s browser localStorage

##### Optional

* format - format to return result (default is plain text)
  + **txt** plain text file
  + **txtf** plain text file with formatting
  + **ttl**  RDF turtle
  + **json** JSON

#### Returns

##### txt format

userid|timestamp|subject|predicate|object

userid|timestamp|subject|predicate|object

userid|timestamp|subject|predicate|object

##### json format

{  
{  
"userid":"<userid>",  
"timestamp": "<timestamp>",  
"subject" : "<subject>",  
"predicate" : "<predicate>",  
"object" : "<object>   
"  
},

#### Request example

<http://www.miidi.org/cito/api/search?subject=all&userid=KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1>

#### Response example

KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 12:40:00|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808925/>|<http://purl.org/spar/cito/citesAsAuthority>|<http://www.ncbi.nlm.nih.gov/pubmed/15760272>  
KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 12:40:02|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808925/>|<http://purl.org/spar/cito/citesForInformation>|<http://www.ncbi.nlm.nih.gov/pubmed/15760272>  
KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 14:11:24|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC280884/>|<http://purl.org/spar/cito/citesAsAuthority>|<http://www.ncbi.nlm.nih.gov/pubmed/712110>  
KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 14:11:24|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC280884/>|<http://purl.org/spar/cito/citesForInformation>|<http://www.ncbi.nlm.nih.gov/pubmed/712110>  
KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 14:11:24|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC280884/>|<http://purl.org/spar/cito/corrects>|<http://www.ncbi.nlm.nih.gov/pubmed/712110>  
KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 14:11:29|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC280884/>|<http://purl.org/spar/cito/corrects>|<http://www.ncbi.nlm.nih.gov/pubmed/6966293>

### 

### 

### Download all the annotations by many people on all the articles annotated

#### URL

[http://www.miidi.org/cto/api/search?subject=all&userid=all](http://www.miidi.org/cto/api/search/article/all/all)&format=<format>

#### Request Method

GET

#### Required Authentication

No

#### Parameters

##### Required

* userid - equal to ‘all’
* subject - equal to ‘all’

##### Optional

* format - format to return result (default is plain text)
  + **txt** plain text file
  + **txtf** plain text file with formatting
  + **ttl**  RDF turtle
  + **json** JSON

#### Returns

##### txt format

userid|timestamp|subject|predicate|object

userid|timestamp|subject|predicate|object

userid|timestamp|subject|predicate|object

##### json format

{  
{  
  
"userid":"<userid>",  
"timestamp": "<timestamp>",  
"subject" : "<subject>",  
"predicate" : "<predicate>",  
"object" : "<object>   
"  
},

#### Request example

<http://www.miidi.org/cito/api/search?subject=all&userid=all>

#### Response example

KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 12:40:00|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808925/>|<http://purl.org/spar/cito/citesAsAuthority>|<http://www.ncbi.nlm.nih.gov/pubmed/15760272>  
KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 12:40:02|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808925/>|<http://purl.org/spar/cito/citesForInformation>|<http://www.ncbi.nlm.nih.gov/pubmed/15760272>  
KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 14:11:24|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC280884/>|<http://purl.org/spar/cito/citesAsAuthority>|<http://www.ncbi.nlm.nih.gov/pubmed/712110>  
KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 14:11:24|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC280884/>|<http://purl.org/spar/cito/citesForInformation>|<http://www.ncbi.nlm.nih.gov/pubmed/712110>  
KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 14:11:24|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC280884/>|<http://purl.org/spar/cito/corrects>|<http://www.ncbi.nlm.nih.gov/pubmed/712110>  
KDYXFJ4IM2RIAUBYRYUWPWO37BLNSDG1|2013-01-28 14:11:29|<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC280884/>|<http://purl.org/spar/cito/corrects>|<http://www.ncbi.nlm.nih.gov/pubmed/6966293>