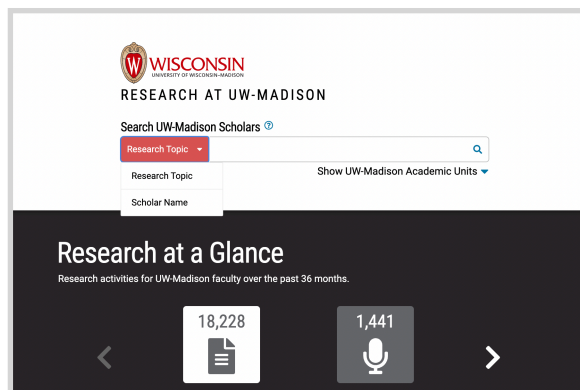


Academic Analytics API

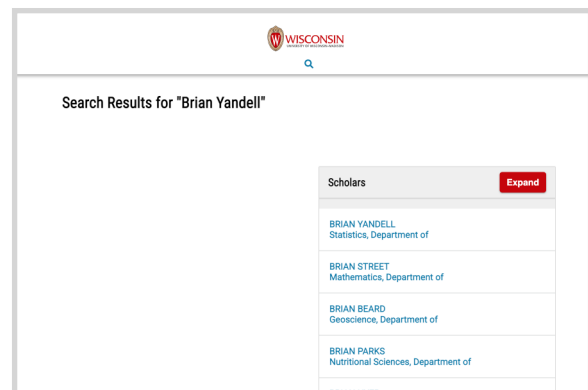
*Data Science Institute at University of Wisconsin-Madison.
Abe Megahed, May, 2022*

Academic Analytics is commercial research tool provided by the University of Wisconsin for searching for information about colleagues, publications, and grants. Academic Analytics provides a web based UI for their search tool and also allows access to a REST API returning JSON data.

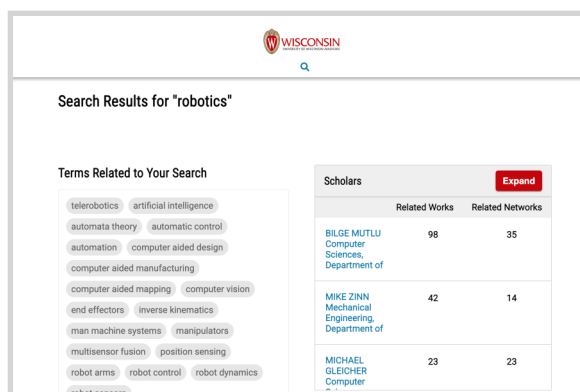
User Interface



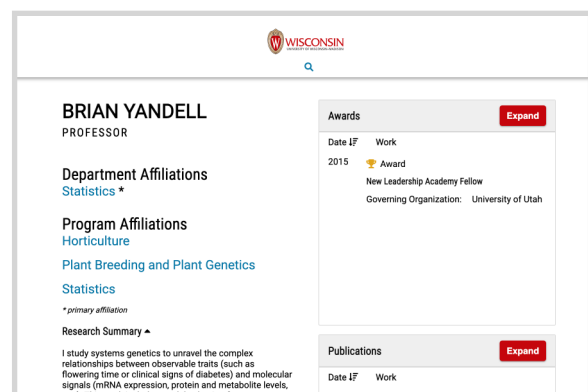
Search By Topic or Scholar



Search By Scholar Results



Search By Topic Results



Scholar Profile

Application Base URL

```
https://wisc.discovery.academicanalytics.com
```

API Base URL

```
https://wisc.discovery.academicanalytics.com/api
```

API Routes

1. Fetch Institution

```
GET institutions
```

Description

Return information about the top level institution.

Parameters

- none

Return Value

- An institution object (JSON).

Example

```
curl https://wisc.discovery.academicanalytics.com/  
api/institutions
```

2. Fetch Departments

```
POST units/GetInstitutionUnitsForInstitutions
```

Description

Returns the institutional units (departments) belonging to a particular institution.

Parameters

- institutionIds - an array of institutions to search ([14] for UW).

Return Value

- An array of institution units (departments).

Example

```
curl -X POST --data "{institutionIds: [14]}" -H  
"Content-Type: application/json" https://  
wisc.discovery.academicanalytics.com/api/units/  
GetInstitutionUnitsForInstitutions
```

3. Find People

```
GET people/<ID>
```

Description

Get detailed information about a person.

Parameters

- ID - The ID of the person

Return Value

- An array of people (JSON).

Example

```
curl https://wisc.discovery.academicanalytics.com/  
api/people/279782
```

4. Search People By Name

```
POST people/search/names
```

Description

Search people by names.

Parameters

- query - The search term to look for.

Return Value

- An array of people (JSON).

Example

```
curl -X POST --data '{query: "Yandell"}' -H  
"Content-Type: application/json" https://  
wisc.discovery.academicanalytics.com/api/people/  
search/names
```

5. Search People By Term

```
POST people/search/terms/collaborations
```

Description

Search people by keyword terms.

Parameters

- query - The search term to look for.

Return Value

- An array of people (JSON).

Example

```
curl -X POST --data '{query: "robot"}' -H  
"Content-Type: application/json" https://  
wisc.discovery.academicanalytics.com/api/people/  
search/terms/collaborations
```

6. Fetch People By Department

```
GET people/getbyunitids/<ID1>/<ID2>
```

Description

Get people by institutional unit (department).

Parameters

- ID1 - The ID of the institution (14 for UW)
- ID2 - The ID of the unit / department.

Return Value

- An array of people (JSON).

Example

```
curl https://wisc.discovery.academicanalytics.com/  
api/people/getbyunitids/14/28646
```