



NUI Galway  
OÉ Gaillimh

ARAN - Access to Research at NUI Galway

# **ARAN (Access to Research at NUI Galway)**

## **Content and Usage Analysis (CUA)**

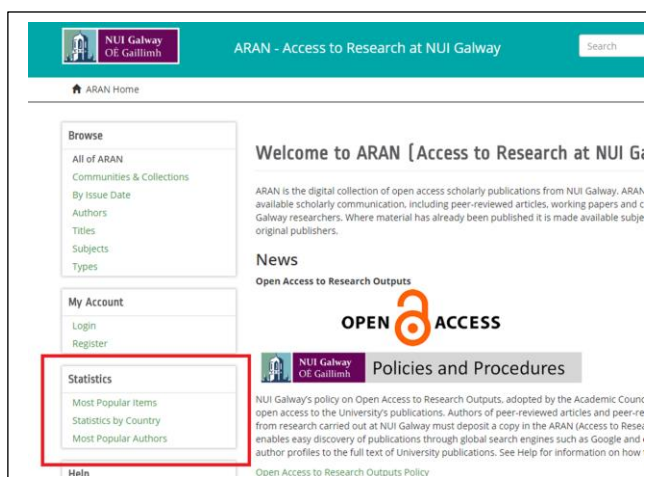
### **User Guide**

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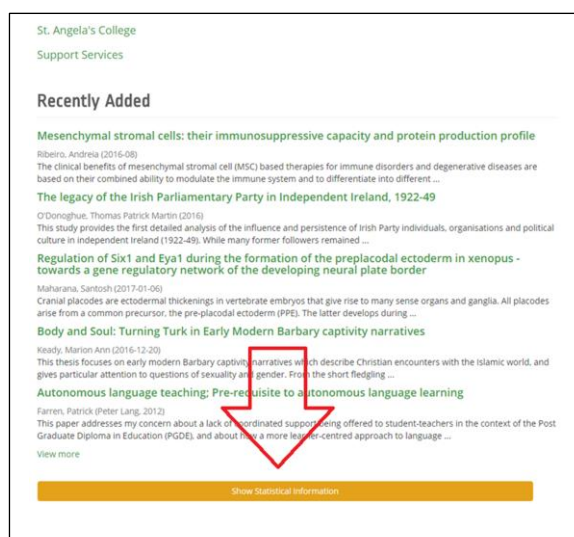
## Introduction

The Content and Usage Analysis Module (CUA) provides statistical information on the **growth** and **usage** of the ARAN Repository. Statistics can be viewed for an individual item, the entire repository or for a College, School or Research Centre.

On the ARAN homepage browse to the Statistics window on the left of the page for the most popular items, authors and statistics by country for your College, School or Research Centre for the past three, six or twelve months or for a date range of your choice. See screenshot below.



Statistical information (also called Responsive Usage Statlets) is displayed on the ARAN homepage, for each item, College, School and Research Centre. To view it scroll to the bottom of each of the aforementioned pages and click on the orange 'Show Statistical Information'. See screenshot below.



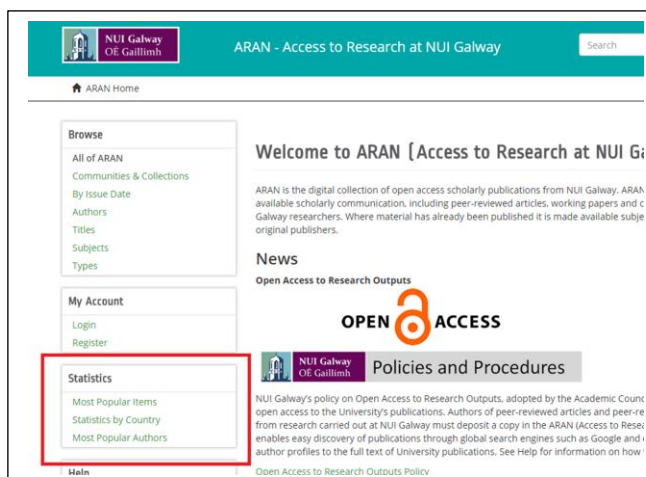
This user guide is arranged as a series of questions and answers. If the statistical information you require is not covered by the guide please email your query to [aran@nuigalway.ie](mailto:aran@nuigalway.ie)

Customised reports can also be provided. For further information or queries email [aran@nuigalway.ie](mailto:aran@nuigalway.ie)

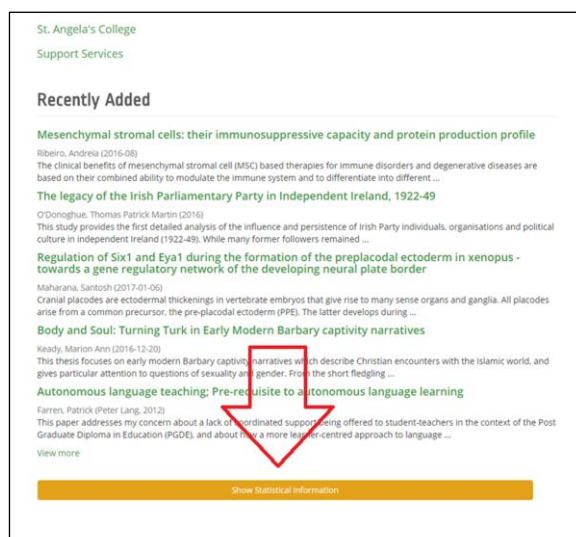
## What is the Content and Usage Analysis Module (CUA)?

The Content and Usage Analysis Module (CUA) provides statistical information on the **growth** and **usage** of the ARAN Repository. Statistics can be viewed for an individual item, the entire repository or for a College, School or Research Centre.

On the ARAN homepage browse to the Statistics window on the left of the page for the most popular items, authors and statistics by country for your College, School or Research Centre for the past three, six or twelve months or for a date range of your choice. See screenshot below.



Statistical information (also called Responsive Usage Statlets) is displayed on the ARAN homepage, for each item, College, School and Research Centre. To view it scroll to the bottom of each of the aforementioned pages and click on the orange 'Show Statistical Information'. See screenshot below.



## What is an item/page view?

An item/page view is when a user visits the item's page, such as <http://hdl.handle.net/10379/6246>

## What is a download?

A download is when a user views and downloads a document.

## Why are downloads sometimes greater than Item/Page views?

Some searches link directly to the document which is publicly downloadable so users don't have to view the item page first and thus the download count will be higher than the item views.

## Does ARAN provide access to Altmetric?

ARAN displays Altmetric for your publication if the publisher of your article subscribes to the Altmetrics service.

### Engineering recombinant antibodies for polymer biofunctionalization



#### View/Open

Hortigüela\_NUI\_Galway\_revised.pdf  
(744.0Kb)

#### Date

2015-08-18

#### Author

Hortigüela, María J.  
Lucie Aumailley, Lucie  
Srivastava, Akshay  
Cunningham, Clare  
Anandakumar, Soshee  
Robin, Sylvain  
Pandit, Abhay  
Hu, Xuejun  
Wall, Gerard

#### Metadata

Show full item record

#### Usage

This item's downloads: **3** (view details)  
Cited 1 times in Scopus (view citations)



This item is available under the Attribution-NonCommercial-NoDerivs 3.0 Ireland. No item may be reproduced for commercial purposes. Please refer to the publisher's URL where this is made available, or to notes contained in the item itself. Other terms may apply.

The following license files are associated with this item:

- [Original License](#)

#### Recommended Citation

Hortigüela, M. J., Aumailley, L., Srivastava, A., Cunningham, C., Anandakumar, S., Robin, S., Pandit, A., Hu, X., and Wall, J. G. (2015) Engineering recombinant antibodies for polymer biofunctionalization. Polym. Adv. Technol., 26: 1394-1401. doi: 10.1002/pat.3619.

#### Published Version

<http://dx.doi.org/10.1002/pat.3619>

#### Abstract

The attachment of recognition elements such as antibody fragments to polymeric substrates can be used to mediate cell- or protein-specific interactions. In this work, single-chain Fv (scFv) antibody fragments were isolated against two cell types of interest and expressed in an *Escherichia coli* expression platform. The scFvs were engineered at their C-terminus to incorporate a cysteine-containing linker, for reaction with maleimide-linked polymers, or a heptasaccharide glycan for complexation with surface amine moieties. Antigen binding of the modified scFvs was unchanged, and expression yields of the glyco-engineered scFvs were similar to the unmodified molecules, while cys-tagged scFv yields varied between scFv variants. Targeted immobilization of the scFvs via either modification resulted in three- to five-fold higher binding of ligands over adsorbed molecules. The study demonstrates a simple and efficient antibody engineering and modification approach for effective targeted immobilization on polymeric substrates. Copyright (C) 2015 John Wiley & Sons, Ltd.

#### URI

<http://hdl.handle.net/10379/6246>

#### Collections

Microbiology (Scholarly Articles)



## What is Altmetric?

Altmetric tracks and reports the attention your research is attracting on social media. It tracks social media, news, blogs, guidelines and policy documents, NGOs, government agencies. It provides an indicator of impact and shows:

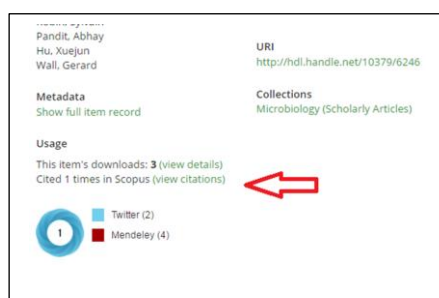
- How your research is shared, discussed and used
- Where research is referenced in policy documents
- Where in the world your research is getting attention
- Which research engages with a broader audience

Altmetric is considered particularly useful for early career researchers who are not yet cited but are making an impact in other ways as well as for finding new content, potential collaborators and communities.

For further information go to <https://www.altmetric.com/>

## Is there a link from ARAN to Scopus?

Yes, if your publication has citations in Scopus this information is displayed in the item page on ARAN with the option to view the citations in Scopus.



## Does the usage data on ARAN include traffic from bots?

The analysis excludes views or downloads generated by bots.

A bot is a background program that operates unsupervised on the Internet. Bots often perform repetitive tasks or provide automated responses. Web crawlers are the most common example of this. A web crawler is an application that systematically and continuously traverses the World Wide Web for some purpose. Web search engines, for example, use web crawlers to refresh their data by visiting every website periodically. Performing such traversals is called spidering. (Butterfield A, Ngondi GE, eds. *A Dictionary of Computer Science*. 7 ed. ed. Oxford University Press; 2016.)

## How do I obtain statistical information about my publication on ARAN?

Statistical Information (Responsive Usage Statlets) is displayed on the item's page. To view it click on the orange Show Statistical Information tab at bottom of the item page. See screenshot below.

### Between Boston and Berlin: American MNCs and the shifting contours of industrial relations in Ireland



#### Recommended Citation

Collings, D. G., Gunnigle, P. & Morley, M. J. (2008) Between Boston and Berlin: American MNCs and the shifting contours of industrial relations in Ireland. "The International Journal of Human Resource Management" 19 (2) 240 - 261

#### Published Version

<http://www.informaworld.com/10.1080/09585190701799812>

#### Abstract

Drawing on detailed qualitative case studies and utilizing a national business system lens, we explore a largely underrepresented debate in the literature, namely the nature of change in a specific but critical element of business systems, that is the industrial relations (IR) institutions of the State and the impact of MNCs thereon. Given the critical mass of US investment in Ireland, we examine how US MNCs manage IR in their Irish subsidiaries, how the policies and practices they pursue have impacted on the Irish IR system, and more broadly their role in shaping the host institutional environment. Overall, we conclude that there is some evidence of change in the IR system, change that we trace indirectly to the US MNC sector. Further, the US MNC sector displays evidence of elements of the management of IR that is clearly at odds with Irish traditions. Thus, in these firms we point to the emergence of a hybrid system of the management of IR and the establishment of new traditions more reflective of US business system.

#### View/Open

[Revision\\_Boston\\_or\\_Berlin\\_IJHRM.pdf](#) (123.1Kb)

Date  
2008

#### Author

Collings, David G.  
Gunnigle, Patrick  
Morley, Michael J.

#### Metadata

[Show full item record](#)

#### Usage

This item's downloads: **1622** ([view details](#))



This item is available under the Attribution-NonCommercial-NoDerivs 3.0 Ireland. No item may be reproduced for commercial purposes. Please refer to the publisher's URL where this is made available, or to notes contained in the item itself. Other terms may apply.

The following license files are associated with this item:

- [Original License](#)

Show Statistical Information



## OR select view details

#### Usage

This item's downloads: **0** ([view details](#))  
Cited 0 times in Scopus ([view citations](#))



- Blogs (1)
- Twitter (9)
- Mendeley (10)
- CiteULike (1)



This item is available under the Attribution-NonCommercial-NoDerivs 3.0 Ireland. No item may be reproduced for commercial purposes. Please refer to the publisher's URL where this is made available, or to notes contained in the item itself. Other terms may apply.

The following license files are associated with this item:

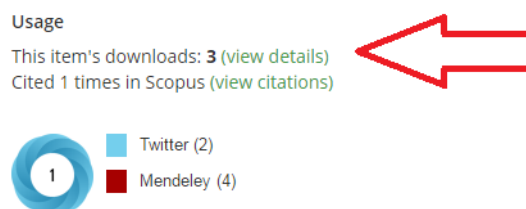
- [Original License](#)

Show Statistical Information

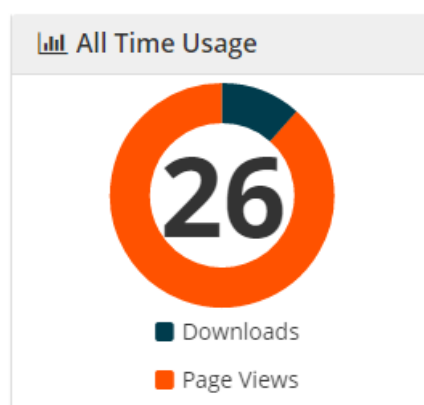
When a user selects 'view details' the page will jump down to 'Show Statistical Information' and also open the 'Show Statistical Information' content

## How often has my paper been downloaded from ARAN?

The number of downloads is displayed under the heading **Usage** on the item page.



A donut chart depicting the total amount of all time page views and downloads for that item is provided.





## What type of statistical information is provided for my publications on ARAN?

The following statistics (also called Responsive Usage Statlets) where available will be displayed for each item page:

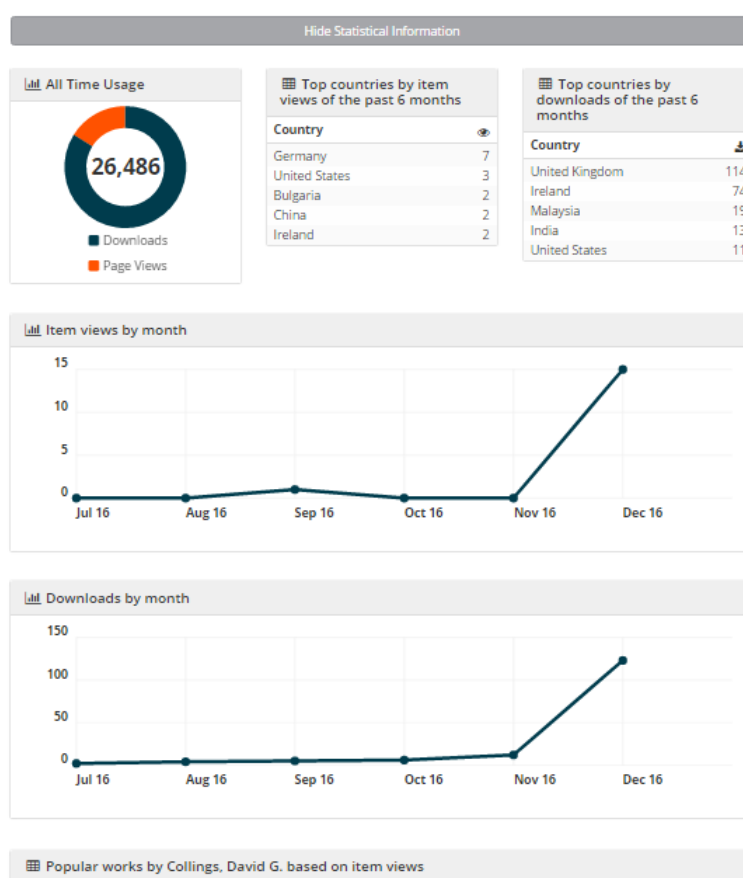
- Donut chart depicting the total amount of all time page views and downloads for that item
- Table listing the 5 countries generating most item page views for that item in the past 6 months
- Table listing the 5 countries generating most downloads for that item in the past 6 months
- Line graph depicting the item views of that item by month for the past 6 months
- Line graph depicting the downloads of that item by month for the past 6 months
- 5 most popular works by the item's first author based on item views
- 5 most popular works by the item's first author based on downloads

An item/page view is when a user visits the item's page, such as

<http://hdl.handle.net/10379/6248>.

A download is when a user views and downloads a document.

The screenshot below displays some of the above.




## Where do page views and downloads for my publications originate?

Click on the orange Show Statistical Information tab at bottom of the item page to view the following tables:

- Table listing the 5 countries generating most item page views for that item in the past 6 months

Top countries by item views of the past 6 months	
Country	
China	3
United Kingdom	1
Mexico	1
United States	1

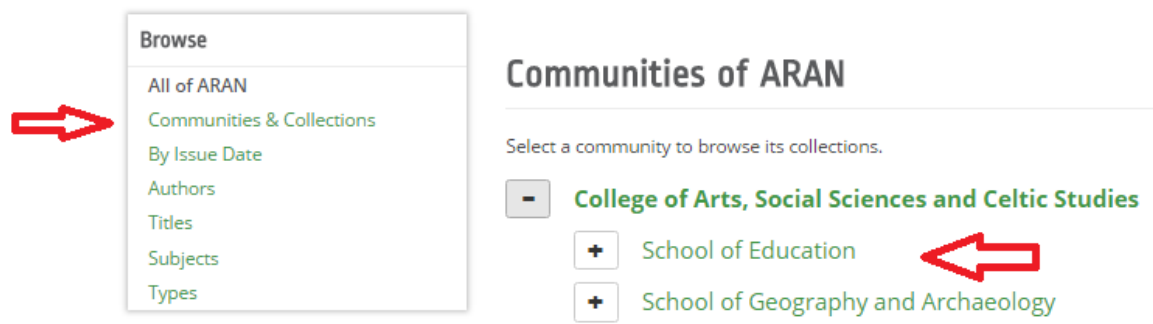
- Table listing the 5 countries generating most downloads for that item in the past 6 months

Top countries by downloads of the past 6 months	
Country	
United States	4
China	1
United Kingdom	1
Hong Kong	1
Israel	1

## How do I get statistics for my College, School or Research Centre?

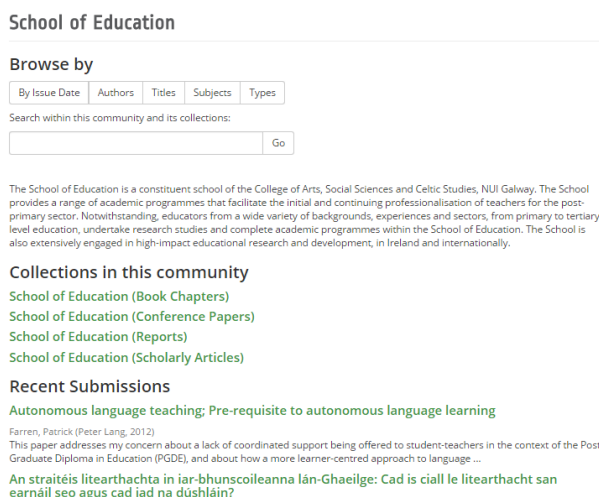
- From the ARAN homepage browse to your College, School or Research Centre(see example in Figure 1).

Figure 1



- Click on your School's title to open the Collection Homepage (see Figure 2).

Figure 2

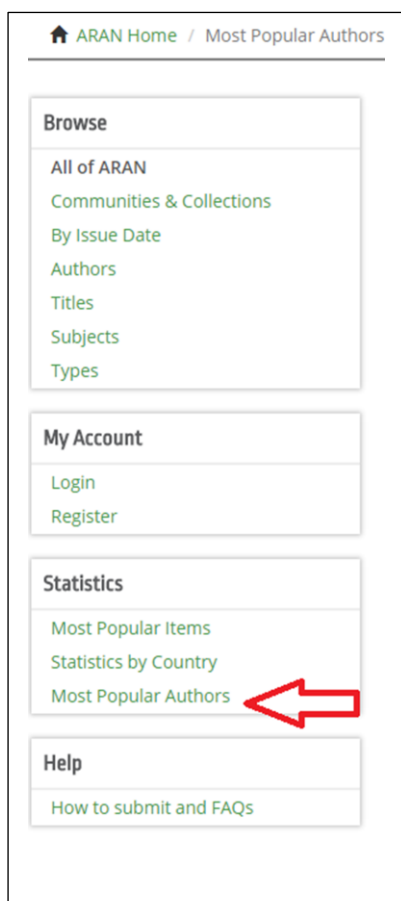


- Scroll to the bottom of the Collection Homepage and click on the orange Show Statistical Information tab. The following statistics (also called Responsive Usage Statlets) will be displayed.
  - Donut chart depicting the total amount of all time page views and downloads for that collection
  - Table listing the most popular authors of that collection for the past six months based on page views
  - Table listing the most popular authors of that collection for the past six months based on downloads
  - Donut chart depicting the 5 countries generating the most item views in the past six months for that collection

- Donut chart depicting the 5 countries generating the most downloads in the past six months for that collection
- Table listing the most popular items of that collection for the past six months based on page views
- Table listing the most popular items of that collection for the past six months based on downloads
- Line graph depicting the item views of that collection by month for the past 6 months
- Line graph depicting the downloads of that collection by month for the past 6 months

## Who is the most popular author in ARAN for my College, School or Research Centre?

To view the most popular authors on ARAN for your College, School or Research Centre go to the ARAN homepage and browse to Statistics and click on **Most Popular Authors**. The most popular authors for the past three, six or twelve months or for a date range of your choice are displayed.



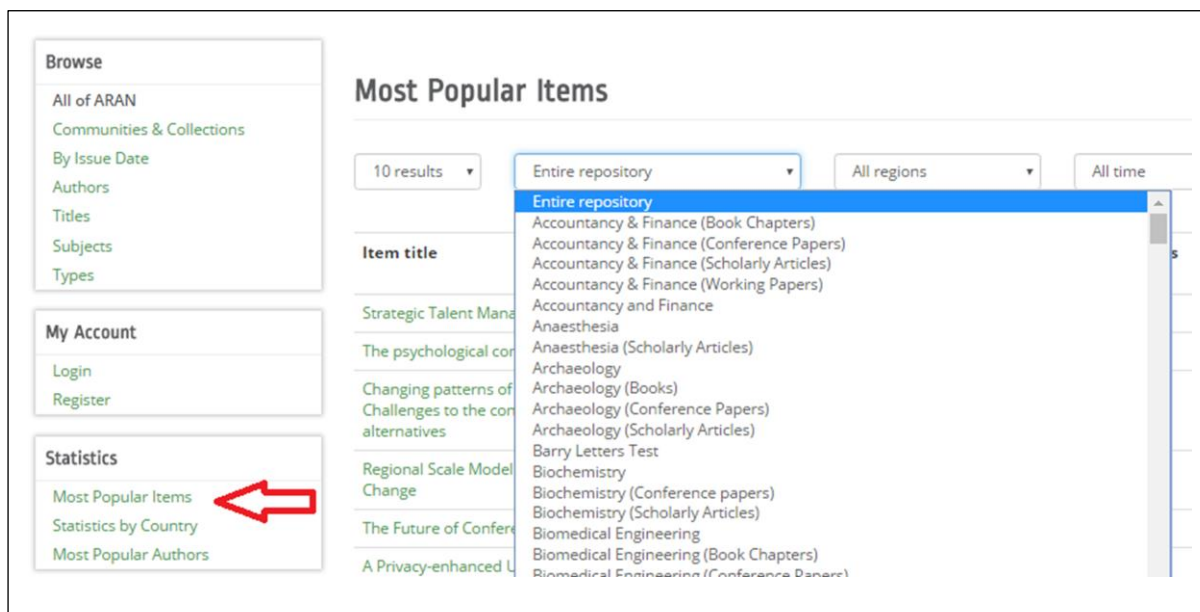
Change the dynamic list of Most Popular Authors through four dropdown menus:

- Number of results
- Scope – select the entire collection on ARAN or a College, School or Research Centre
- Regions – select a specific region e.g. Europe, North America
- Time – allows you to select a timespan

Clicking one of the authors sends you to the browse page for that author.

File downloads is the sum of all document downloads and item views is the sum of all page views for the item. Sum is file download plus item views.

## What is the most popular item on ARAN for my College, School or Research Centre?



To view the most popular items for your College, School or Research Centre for the past three, six or twelve months or for a date range of your choice go to the ARAN homepage and click on **Most Popular Items**. Use the dropdown menu to select your School etc.

Change the dynamic list of popular items through four dropdown menus:

- Number of results
- Scope – select the entire collection on ARAN or a College, School or Research Centre of your choice
- Regions – select a specific region e.g. Europe, North America
- Time – allows you to select a timespan

File downloads is the sum of all document downloads and item views is the amount of page views for the item page. The sum is file downloads plus item views.

## **How many items were added to ARAN for my College, School and Research Centre last year?**

A customised report with the number of items added to ARAN for your College, School or Research Centre will be provided on request by emailing [aran@nuigalway.ie](mailto:aran@nuigalway.ie)

## What type of statistical information is provided for my College, School or Research Centre?

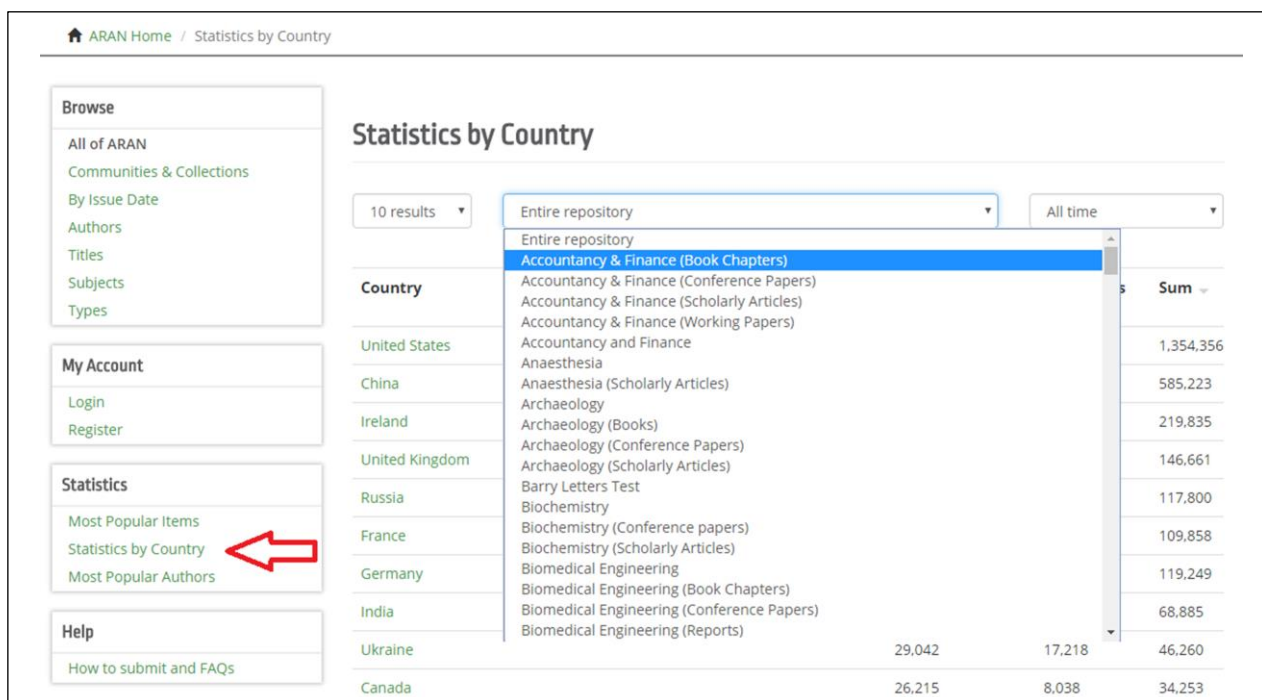
The following statistics (also called Responsive Usage Statlets) are provided for your College, School or Research Centre?

- Donut chart depicting the total amount of all time page views and downloads for that collection
- Table listing the most popular authors of that collection for the past six months based on page views
- Table listing the most popular authors of that collection for the past six months based on downloads
- Donut chart depicting the 5 countries generating the most item views in the past six months for that collection
- Donut chart depicting the 5 countries generating the most downloads in the past six months for that collection
- Table listing the most popular items of that collection for the past six months based on page views
- Table listing the most popular items of that collection for the past six months based on downloads
- Line graph depicting the item views of that collection by month for the past 6 months
- Line graph depicting the downloads of that collection by month for the past 6 months



## Where do downloads and page views for my School, College or Research Centre on ARAN originate?

To view the origin of downloads and page views for your School, College or Research Centre for the past three, six or twelve months or for a date range of your choice go to the ARAN homepage and click on **Statistics by Country**.



ARAN Home / Statistics by Country

**Statistics by Country**

10 results ▾ Entire repository ▾ All time ▾

Country	Entire repository	Sum
United States	Accountancy & Finance (Book Chapters)	1,354,356
China	Accountancy & Finance (Conference Papers)	585,223
Ireland	Accountancy & Finance (Scholarly Articles)	219,835
United Kingdom	Accountancy & Finance (Working Papers)	146,661
Russia	Accountancy and Finance	117,800
France	Anaesthesia (Scholarly Articles)	109,858
Germany	Archaeology	119,249
India	Archaeology (Books)	68,885
Ukraine	Archaeology (Conference Papers)	29,042
Canada	Archaeology (Scholarly Articles)	17,218
	Barry Letters Test	46,260
	Biochemistry	26,215
	Biochemistry (Conference papers)	8,038
	Biochemistry (Scholarly Articles)	34,253
	Biomedical Engineering	
	Biomedical Engineering (Book Chapters)	
	Biomedical Engineering (Conference Papers)	
	Biomedical Engineering (Reports)	

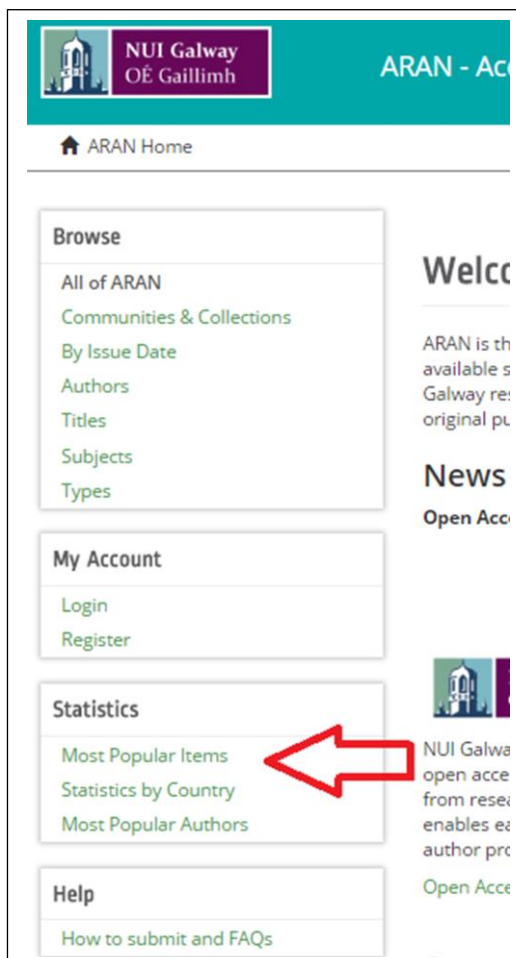
Alter the dynamic list of countries through three dropdown menus:

- Number of results
- Scope – select the entire collection on ARAN or a Community or Collection of your choice
- Time – allows you to select a timespan

Clicking one of the countries sends you to the Most Popular Items page, where the clicked country is set as a filter.

File downloads is the sum of all document downloads and item views is the amount of page views for the item page. The sum is file downloads plus item views.

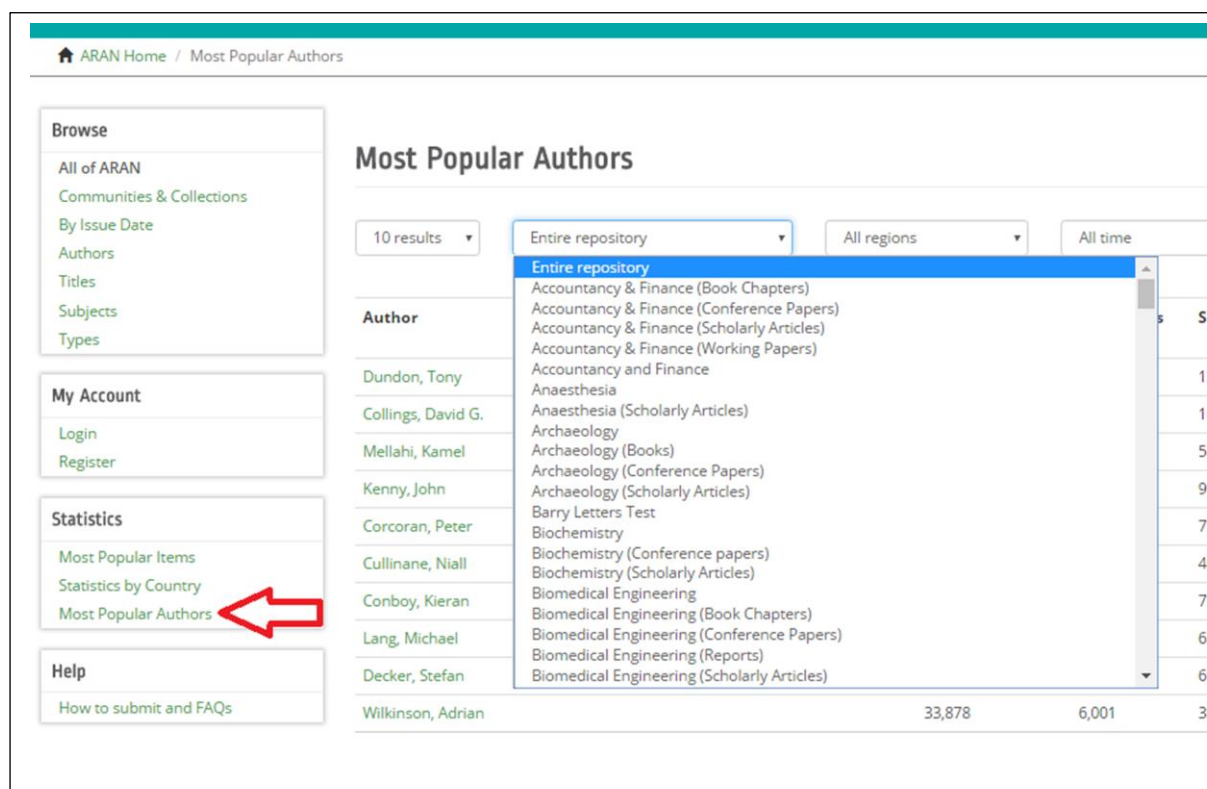
## What is the most popular item on ARAN?



To view the most popular item on the ARAN repository go to the ARAN homepage and click on **Most Popular Items**.

**Statistics by Country** and **Most Popular Authors** are also provided.

## Who is the most popular author on the ARAN repository?



ARAN Home / Most Popular Authors

**Browse**

- All of ARAN
- Communities & Collections
- By Issue Date
- Authors
- Titles
- Subjects
- Types

**My Account**

- Login
- Register

**Statistics**

- Most Popular Items
- Statistics by Country
- Most Popular Authors

**Help**

- How to submit and FAQs

### Most Popular Authors

10 results ▾

Entire repository ▾

All regions ▾

All time

Author	Count
Dundon, Tony	13
Collings, David G.	10
Mellahi, Kamel	58
Kenny, John	99
Corcoran, Peter	75
Cullinane, Niall	48
Conboy, Kieran	71
Lang, Michael	68
Decker, Stefan	69
Wilkinson, Adrian	33,878

Entire repository

- Accountancy & Finance (Book Chapters)
- Accountancy & Finance (Conference Papers)
- Accountancy & Finance (Scholarly Articles)
- Accountancy & Finance (Working Papers)
- Accountancy and Finance
- Anaesthesia
- Anaesthesia (Scholarly Articles)
- Archaeology
- Archaeology (Books)
- Archaeology (Conference Papers)
- Archaeology (Scholarly Articles)
- Barry Letters Test
- Biochemistry
- Biochemistry (Conference papers)
- Biochemistry (Scholarly Articles)
- Biomedical Engineering
- Biomedical Engineering (Book Chapters)
- Biomedical Engineering (Conference Papers)
- Biomedical Engineering (Reports)
- Biomedical Engineering (Scholarly Articles)

To view the most popular author on ARAN go to the ARAN homepage and click on **Most Popular Authors**.

### **How many items were added to ARAN last year?**

A customised report with the number of items added to ARAN will be provided on request by emailing [aran@nuigalway.ie](mailto:aran@nuigalway.ie)

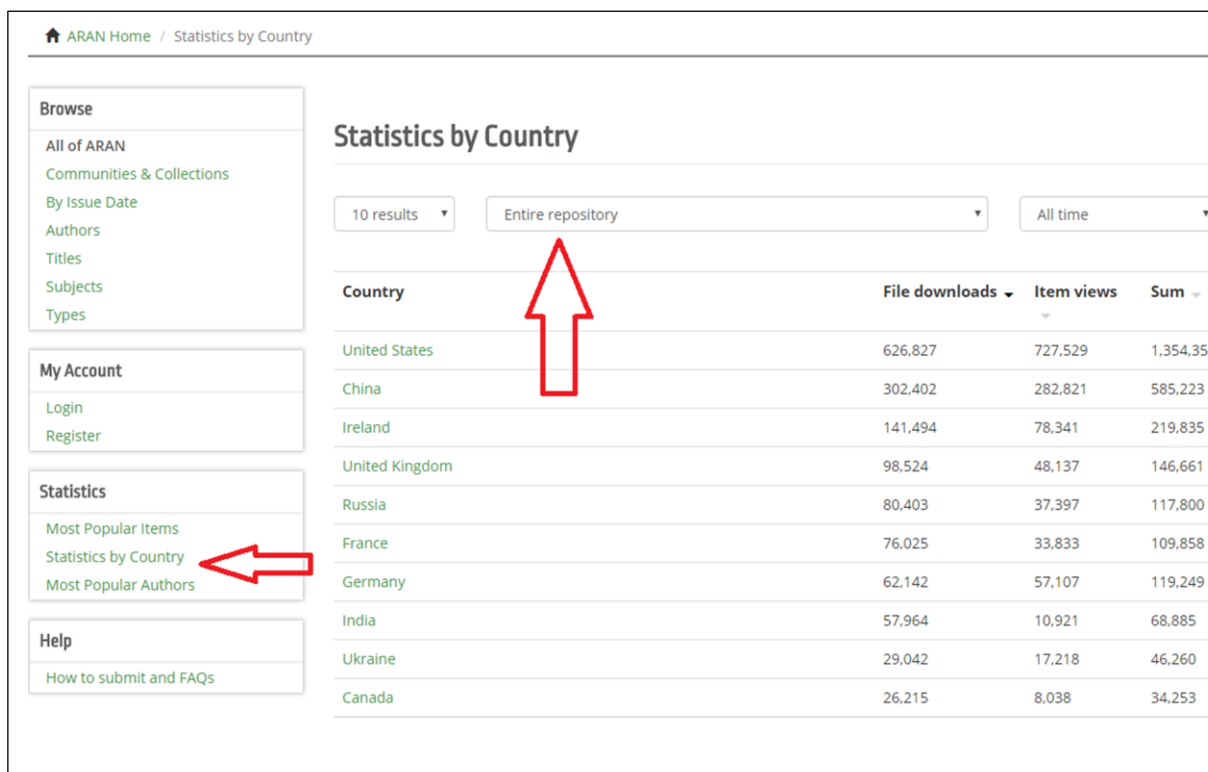
## What type of statistical information is provided for all content on ARAN?

The ARAN homepage displays statistics (also called Responsive Usage Statlets) for the entire repository. To view click on the orange Show Statistical Information tab at bottom of the ARAN homepage. The following statistics are provided.

- Donut chart depicting the total amount of all time page views and downloads for the entire repository
- Table listing the most popular communities of the past six months based on page views
- Table listing the most popular communities of the past six months based on downloads
- Donut chart depicting the 5 countries generating the most item views in the past six months
- Donut chart depicting the 5 countries generating the most downloads in the past six months
- Table listing the most popular authors of the past six months based on page views
- Table listing the most popular author of the past six months based on downloads
- Table listing the most popular items of the past six months based on page views
- Table listing the most popular items of the past six months based on downloads
- Line graph depicting the item views by month for the past 6 months
- Line graph depicting the downloads by month for the past 6 months

## Where do downloads and page views for all content on ARAN originate?

To view the origin of downloads and page views for all content on ARAN for the past three, six or twelve months or for a date range of your choice go to the ARAN homepage and click on **Statistics by Country**.



ARAN Home / Statistics by Country

**Statistics by Country**

10 results ▾ Entire repository ▾ All time ▾

Country	File downloads ▾	Item views ▾	Sum ▾
United States	626,827	727,529	1,354,356
China	302,402	282,821	585,223
Ireland	141,494	78,341	219,835
United Kingdom	98,524	48,137	146,661
Russia	80,403	37,397	117,800
France	76,025	33,833	109,858
Germany	62,142	57,107	119,249
India	57,964	10,921	68,885
Ukraine	29,042	17,218	46,260
Canada	26,215	8,038	34,253

**Browse**

- All of ARAN
- Communities & Collections
- By Issue Date
- Authors
- Titles
- Subjects
- Types

**My Account**

- Login
- Register

**Statistics**

- Most Popular Items
- Statistics by Country
- Most Popular Authors

**Help**

- How to submit and FAQs

Alter the dynamic list of countries through three dropdown menus:

- Number of results
- Scope – select the entire collection on ARAN or a Community or Collection of your choice
- Time – allows you to select a timespan

Clicking one of the countries sends you to the Most Popular Items page, where the clicked country is set as a filter.

File downloads is the sum of all document downloads and item views is the amount of page views for the item page. The sum is file downloads plus item views.

**Is it possible to receive statistical information from ARAN on a regular basis?**

Customised reports can be created and emailed to you at required intervals. The option to unsubscribe to the report is also available. Email your requests to [aran@nuigalway.ie](mailto:aran@nuigalway.ie)

## Appendix 1

### Responsive Usage Statlets

Each page (ARAN, Community, Collection and Item page) displays its own set of Responsive Usage Statlets which are described below. To view click on the orange Show Statistical Information tab at bottom of each of the aforementioned pages. An item/page view is when a user visits the item's page and a download is when a user views and downloads a document.

#### ARAN homepage

- Donut chart depicting the total amount of all time page views and downloads for the entire repository
- Table listing the most popular communities of the past six months based on page views
- Table listing the most popular communities of the past six months based on downloads
- Donut chart depicting the 5 countries generating the most item views in the past six months
- Donut chart depicting the 5 countries generating the most downloads in the past six months
- Table listing the most popular authors of the past six months based on page views
- Table listing the most popular author of the past six months based on downloads
- Table listing the most popular items of the past six months based on page views
- Table listing the most popular items of the past six months based on downloads
- Line graph depicting the item views by month for the past 6 months
- Line graph depicting the downloads by month for the past 6 months

#### Community Homepage

- Donut chart depicting the total amount of all time page views and downloads for that community
- Table listing the most popular authors of that community for the past six months based on page views
- Table listing the most popular authors of that community for the past six months based on downloads
- Donut chart depicting the 5 countries generating the most item views in the past six months for that community
- Donut chart depicting the 5 countries generating the most downloads in the past six months for that community
- Table listing the most popular items of that community for the past six months based on page views
- Table listing the most popular items of that community for the past six months based on downloads
- Line graph depicting the item views of that community by month for the past 6 months
- Line graph depicting the downloads of that community by month for the past 6 months

#### Collection Homepage

- Donut chart depicting the total amount of all time page views and downloads for that collection
- Table listing the most popular authors of that collection for the past six months based on page views
- Table listing the most popular authors of that collection for the past six months based on downloads
- Donut chart depicting the 5 countries generating the most item views in the past six months for that collection
- Donut chart depicting the 5 countries generating the most downloads in the past six months for that collection
- Table listing the most popular items of that collection for the past six months based on page views
- Table listing the most popular items of that collection for the past six months based on downloads
- Line graph depicting the item views of that collection by month for the past 6 months
- Line graph depicting the downloads of that collection by month for the past 6 months



**Item page**

- Donut chart depicting the total amount of all time page views and downloads for that item
- Table listing the 5 countries generating most item page views for that item in the past 6 months
- Table listing the 5 countries generating most downloads for that item in the past 6 months
- Line graph depicting the item views of that item by month for the past 6 months
- Line graph depicting the downloads of that item by month for the past 6 months
- 5 most popular works by the item's first author based on item views
- 5 most popular works by the item's first author based on downloads

## Appendix 2

### Communities and Collections

Content on ARAN is arranged into Communities and Collections. As an example the College of Arts, Social Sciences and Celtic Studies is a Community and the School of Education is a Collection within that community. See screenshot below.

#### Communities of ARAN

Select a community to browse its collections.

- ☒ **College of Arts, Social Sciences and Celtic Studies**
  - ☐ School of Education
  - ☐ School of Geography and Archaeology
  - ☐ School of Humanities
  - ☐ School of Languages, Literatures and Cultures
  - ☐ School of Political Science and Sociology
  - ☐ School of Psychology
- ☐ College of Business, Public Policy and Law
- ☐ College of Engineering and Informatics

Statistics can be viewed for an individual item, the entire repository, or for a Collection or Community of your choice.