



ELSEVIER

Scopus Data Fetcher

The flexibility of Scopus APIs for custom analyses and exports without having to code!

Scopus & SciVal User Group 2021

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Agenda

- Scopus Data
 - Overview
 - .com access
 - API access
- Scopus Data Fetcher
 - Overview
 - Walk-through
- Case Studies
- Q & A



Scopus Coverage Summary (Oct 2021)

Global representation means global discovery across all subjects and content types

84.5M records from **26.0K** serials, **101K+** conferences and **247K** books

from more than **7,000** publishers in **105** countries

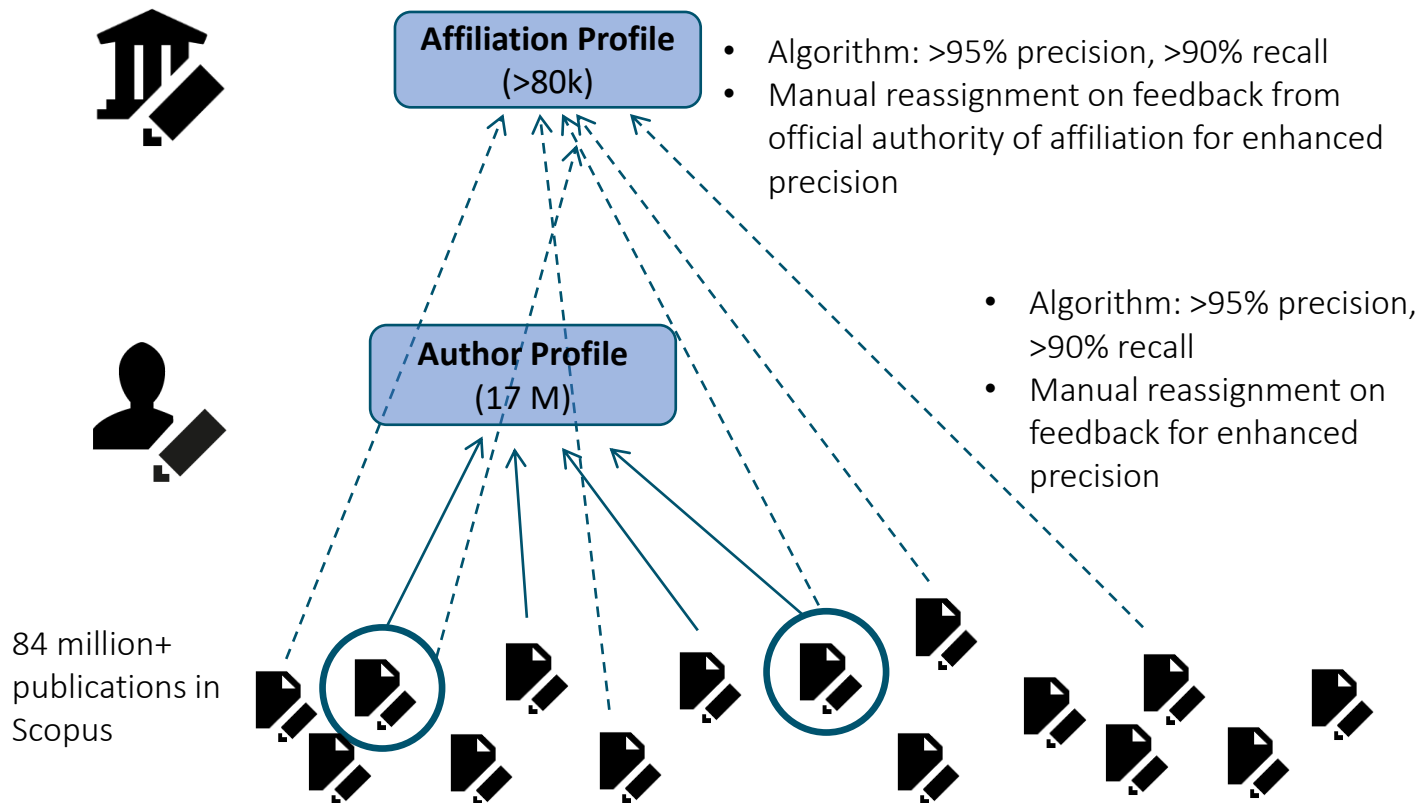
- Updated daily—approximately **11,000** articles per day indexed
- **17.9M** open access documents
- “Articles in Press” from **>8,075** titles
- **1.03M** preprints from multiple preprint servers
- **5,656** active Gold Open Access journals indexed

Number of journals by subject area**	Journals	Conferences	Books	Patents
Physical sciences 8,529	24,917** active peer-reviewed journals 244 trade journals 5,656 Gold OA Journals (DOAJ/ROAD) 16.4M fully-indexed funding acknowledgements 1.03M preprints	101K conference events 10.75M conference papers Mainly Engineering and Computer Sciences	63.3K individual book series volumes 247K stand-alone books 2.06M total book items Focus on Social Sciences and A&H	47.1M patents 5 major patent offices: <ul style="list-style-type: none">• WIPO• EPO• USPTO• JPO• UK IPO
Health sciences 7,136				
Social sciences 10,574				
Life sciences 4,915	<ul style="list-style-type: none">• Full metadata, abstracts and cited references (refs post-1970 only)• Citations back to 1970			

*Journals may be classified in multiple subject areas: this count includes current actively indexed titles only

**Total number of Scopus journals in database including inactive titles is 40,804

Scopus metadata structure



Scopus API Query Tool (Data Fetcher)

Customer Support

Scopus API Query Tool (Data Fetcher)

Scopus API Data Fetcher

File Help

Run Search
Begin

Publication Query Progress

Fetching

Count: Total:

Perc: Rate:

Elapsed: Left:

Publication Processing

Process:

Count: Total:

Perc: Rate:

Elapsed: Left:

Sub-Query Progress

Fetching

Count: Total:

Perc: Rate:

Elapsed: Left:

Settings Run Output

File: config\Settings.ini Load Recipe

SEARCH

query AF-ID(60015522) AND PUBYEAR >

use_facets No

facets subarea(count=50,sort=fd) doctype

sort coverDate,-title

IDFILES

OPTIONS

OUTPUT

SCIVAL

FINGERPRINT

Option: SEARCH: Query

Description: Query to submit to the Scopus API endpoint

AF - ID(60015522)

AND PUBYEAR > 2016

AND DOCTYPE(ar OR cp)

AND ACCESTYPE(OA)

Save Save As...

Edit

Scopus API Query Tool (Data Fetcher)

Scopus API Data Fetcher

File Help

Run Search

Begin


Publication Query Progress

Fetching Publications

Count: 87 Total: 111

Perc: 78% Rate: 2.2/Sec

Elapsed: 0:00:39 Left: 0:00:10



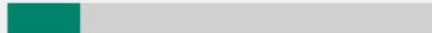
Publication Processing

Process: Publications

Count: 19 Total: 111

Perc: 17% Rate: 0.5/Sec

Elapsed: 0:00:36 Left: 0:02:57




Sub-Query Progress

Fetching Publication Affiliations

Count: 191 Total: 191


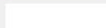



Perc: 100% Rate: 4.9/Sec

Elapsed: 0:00:38 Left: 0:00:00




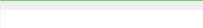


Settings Run Output

Object/Retrieval Status

Name	Total	Cached	Cached/Total
All Objects	670	334	
Publication IDs	111	0	
Publications	89	10	
Publication Author	279	196	
Publication Affiliation	191	128	

Concurrent Threads

Name	Total	Total / Max Threads
Query	1	
Fetch:Pubs	8	
Fetch:Author	49	
Fetch:PubAff	0	

Cache Activity

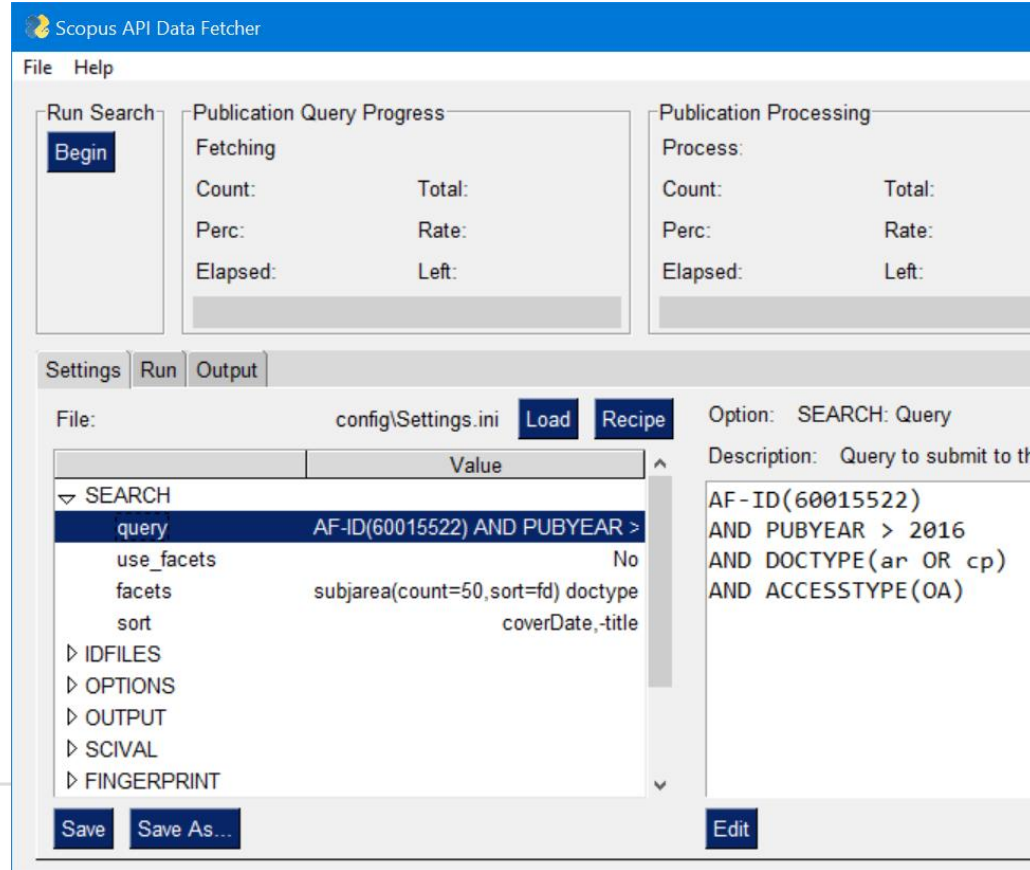
Clear Cache

Type	Get	Set
Pub ID	1	1
Citation	3,273	4,765
Affiliation	10,656	2,702
Author	1,775	1,281
Publication	193	79



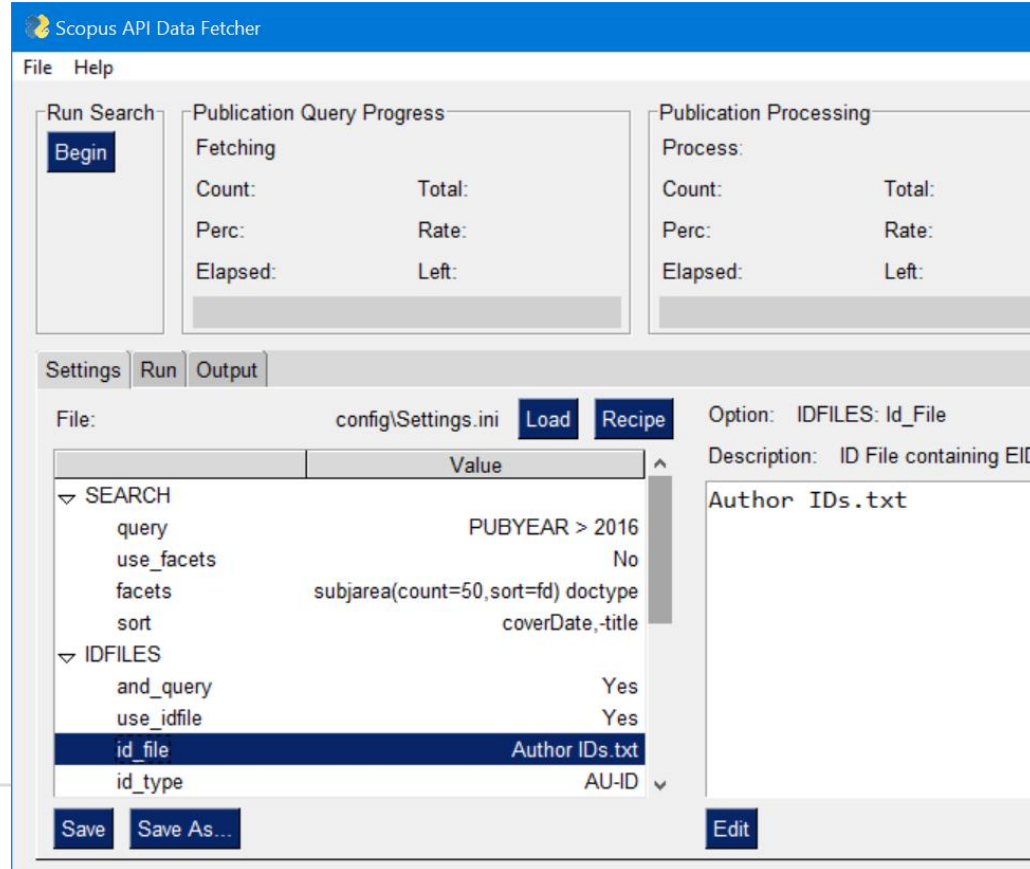
Scopus API Query Tool (Data Fetcher)

1. Stand-alone application to fetch API data with no coding required
 - Automatically selects API(s) to use based on requested data
 - Parallel Processing to increase overall throughput and efficiency
 - Local caching to reduce redundant server requests and increase speed
 - Integrates Scopus, SciVal, Plum, and other APIs together in one dataset



Scopus API Query Tool (Data Fetcher)

1. Stand-alone application to fetch API data with no coding required
2. Multiple query types
 - Scopus Advanced Query
 - Lists of Publication IDs (DOI, *etc.*)
 - Lists of Authors
 - Combinations of the Above
 - Example to the Right
 - Read a list of Author IDs
 - Fetch all pubs by those authors
 - Limit to PubYear > 2016



Scopus API Query Tool (Data Fetcher)

1. Stand-alone application to fetch API data with no coding required
2. Multiple query types
3. Hundreds of Output Fields
 - Custom CSV Files

The screenshot displays the Scopus API Query Tool interface. At the top, there are two progress bars. The left bar, labeled 'Publication Processing', shows a count of 111, 100% completion, and a rate of 4.2/Sec. The right bar, labeled 'Sub-Query Progress', shows a count of 938, 100% completion, and a rate of 35.5/Sec. Below these, a 'Recipe' window is open, showing the configuration for the output file. The 'Recipe' window has a 'Recipe' tab selected, and the 'Option' is set to 'OUTPUT: Fields'. The 'Description' is 'Fields to include in the Publication Output File'. The 'fields' list includes: Date, DOI, Title, OpenAccess:OpenAccessType, Conf_City:Source.Conference.Location.City, FWCI:SciVal.metrics.FieldWeightedCitationImpact.value, and SocialMedia:PlumMetrics.socialMedia.total. The 'fields' list is also visible in the background window, showing a list of fields and their corresponding output files.

Publication Processing	Sub-Query Progress
Process: Publications	Fetching Publication Authors
Count: 111 Total: 111	Count: 938 Total: 938
Perc: 100% Rate: 4.2/Sec	Perc: 100% Rate: 35.5/Sec
Elapsed: 0:00:26 Left: 0:00:00	Elapsed: 0:00:26 Left: 0:00:00

Recipe

Option: OUTPUT: Fields

Description: Fields to include in the Publication Output File

Date
DOI
Title
OpenAccess:OpenAccessType
Conf_City:Source.Conference.Location.City
FWCI:SciVal.metrics.FieldWeightedCitationImpact.value
SocialMedia:PlumMetrics.socialMedia.total

fields Date DOI Title OpenAccess:OpenA

expand_authors Yes

all_authors Yes

author_file output\authors.tab

author_fields SID HIndex ORCID FWCI:SciVal.m

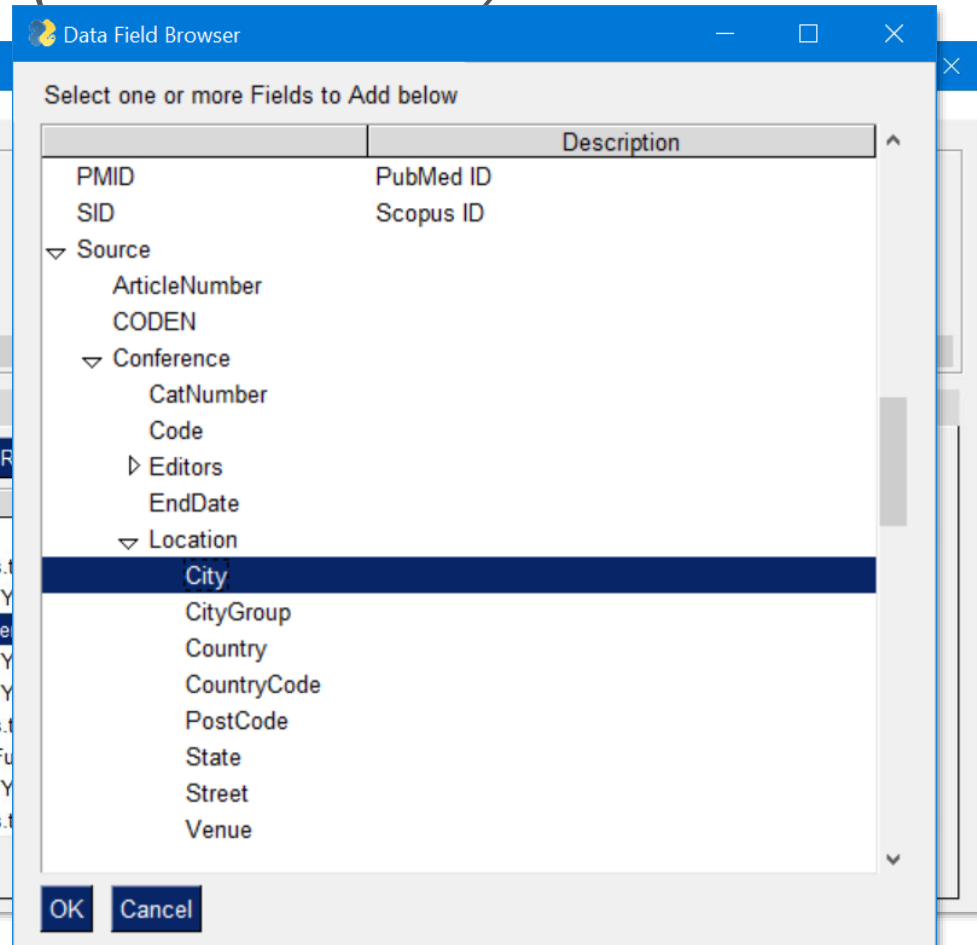
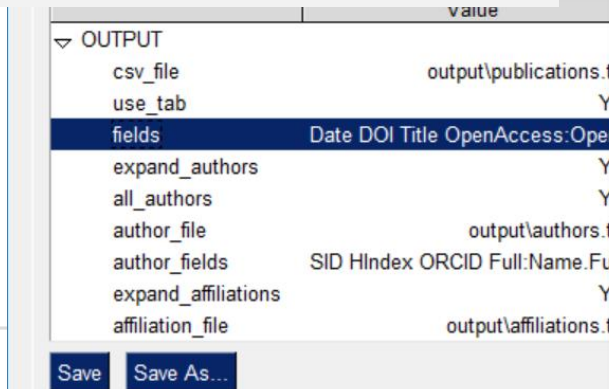
expand_affiliations Yes

affiliation_file output\affiliations.tab














Save **Save As...** **Edit**

Scopus API Query Tool (Data Fetcher)

1. Stand-alone application to fetch API data with no coding required
2. Multiple query types
3. Hundreds of Output Fields
 - Custom CSV Files
 - Menu-driven
 - Know what's available
 - No memorization required



Scopus API Query Tool (Data Fetcher)

AutoSave <input type="checkbox"/> Off   								
Book1 - Excel  Livingston, Eric (ELS-WSH)    								
File Home Insert Page Layout Formulas Data Review View Developer Help Table Design Query  								
G1    FWCI								
	A	B	C	D	E	F	G	H
1	SID	Date	DOI	Title	Open	Conf_City	FWCI	SocialMedia
8	85103519903	1/1/2021	10.1007/978-3-030-7230	Approximate Knowledge	1	Virtual, Online		
17	85107914850	4/19/2021	10.1145/3442381.345014	Inductive entity represen	1	Ljubljana		40
34	85099561589	10/1/2020	10.1109/BIBE50027.2020	Predicting the Immune Re	1	Virtual, Cincinnati		
39	85077961588	11/28/2019	10.1088/1742-6596/1385	Hybrid thermodynamic ca	1	Moscow		
53	85084189971	1/1/2020	10.1007/978-3-030-4544	ChEMU: Named entity rec	1	Lisbon	5.5267153	
83	85037040565	11/10/2017	10.1088/1742-6596/891/	"Live" Formulations of Int	1	Moscow		
95	85051547131	6/27/2018	10.1145/3209978.321019	DATA: SEARCH'18 - Search	1	Ann Arbor		
99	85020712938	1/1/2017	10.1016/j.procs.2017.03	How Wageningen Univers	1	Scotland	0.6286839	2
102	85020735235	1/1/2017	10.1016/j.procs.2017.03	Snowball Metrics - Provid	1	Scotland	1.2573677	29
105	85020700595	1/1/2017	10.1016/j.procs.2017.03	FRIS R3 - CERIF XML in Lar	1	Scotland	0.6286839	
113								
114								
115								
116								
117								

03.01.2022


Publications



Authors


AuthAffs





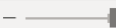
Citations

Sheet1



10 of 111 records found 

 Display Settings     120%

Scopus API Query Tool (Data Fetcher)

1. Stand-alone application to fetch API data with no coding required
2. Multiple query types
3. Hundreds of Output Fields
4. Separate Author File
 - Dozens of fields available
 - One row per author
 - Easily imported & analyzed

The screenshot shows the 'Scopus API Data Fetcher' application window. The title bar is blue with the application name. Below it is a menu bar with 'File' and 'Help'. The main area is divided into several sections:

- Run Search:** A button labeled 'Begin'.
- Publication Query Progress:** A table showing the status of the query.

Fetching Publications			
Count:	111	Total:	111
Perc:	100%	Rate:	4.2/Sec
Elapsed:	0:00:26	Left:	0:00:00
- Publication Processing:** A table showing the status of the processing.

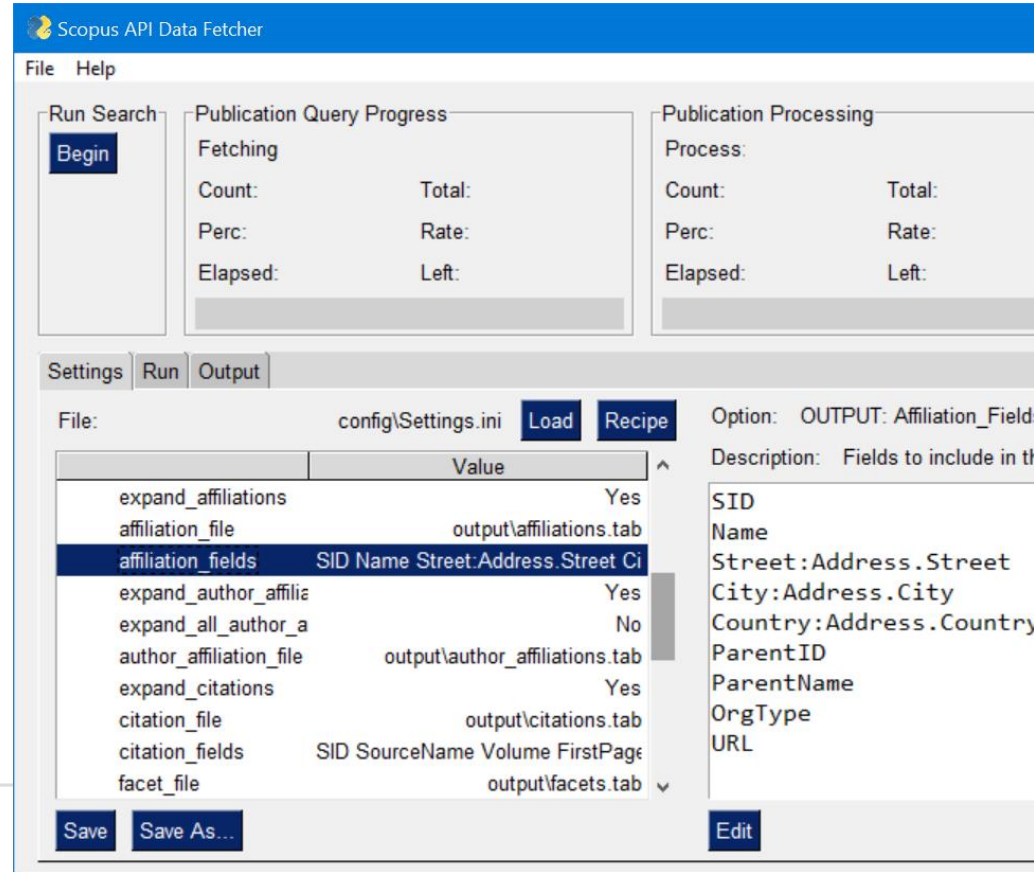
Process: Publications			
Count:	111	Total:	111
Perc:	100%	Rate:	4.2/Sec
Elapsed:	0:00:26	Left:	0:00:00
- Settings:** A tabbed interface with 'Settings', 'Run', and 'Output' tabs. The 'Settings' tab is active, showing a list of output fields and their values. The 'author_fields' field is selected, showing its value: 'SID HIndex ORCID FWCI:SciVal.m'. The 'Save' and 'Save As...' buttons are at the bottom left of this section.
- Option:** A dropdown menu showing 'OUTPUT: Author_Fields'.
- Description:** A text area showing 'Fields to include in the output'.
- Edit:** A button at the bottom right of the settings section.

Scopus API Query Tool (Data Fetcher)

AutoSave Off Book1 - Excel Livingston, Eric (ELS-WSH) LE										
File Home Insert Page Layout Formulas Data Review View Developer Help Table Design Query Share										
A1										
	A	B	C	D	E	F	G	H	I	J
1	PubSID	Seq	SID	HIndex	ORCID	FWCI	Full	First	Last	Initial
2	85099982612	1	55735120100	10	0000-0002-9898-0515	1.5914	Kamdar M.R.	Maulik R.	Kamdar	M.R.
3	85099982612	2	7005635736	55	0000-0003-3325-793X	1.106	Musen M.A.	Mark A.	Musen	M.A.
4	85116321916	1	55569986100	10	0000-0003-0698-1930	1.0635	Malički M.	Mario	Malički	M.
5	85116321916	2	6505830208	14	0000-0003-1621-1956	4.683	Jerončić A.	Ana	Jerončić	A.
6	85116321916	3	6602524855	10	0000-0002-0209-4480	69.43	Aalbersberg I.J.	IJsbrand Jan	Aalbersberg	I.J.
7	85116321916	4	7102044864	141	0000-0002-2659-5482	5.7353	Bouter L.	Lex	Bouter	L.
8	85116321916	5	7005761970	50	0000-0002-2231-7637	1.3853	Riet G.t.	Gerben ter	Riet	G.t.
9	85118221017	1	57226848754	168	0000-0003-3118-6859	7.2004	Ioannidis J.P.A.	John P.A.	Ioannidis	J.P.A.
10	85118221017	2	57193596493	0			Salholz-Hillel M.	Maia	Salholz-Hillel	M.
11	85118221017	3	6603501746	35	0000-0001-7814-8951	3.4828	Boyack K.W.	Kevin W.	Boyack	K.W.
12	85118221017	4	14035142800	6	0000-0001-8005-4153	11.614	Baas J.	Jeroen	Baas	J.
13	85104084851	1	6602270919	23		0.7704	Ahrens I.	Ingo	Ahrens	I.
14	85104084851	2	57197055189	3			Khachatryan A.	Artak	Khachatryan	A.
15	85104084851	3	6603076407	7		0.9459	Monga B.	Bondo	Monga	B.
16	85104084851	4	57219053550	2		0.4746	Dornstauder E.	Eugen	Dornstauder	E.

Scopus API Query Tool (Data Fetcher)

1. Stand-alone application to fetch API data with no coding required
2. Multiple query types
3. Hundreds of Output Fields
4. Separate Author File
5. Separate Affiliation Files
 - Publication Affiliations
 - Author Affiliations
 - Dozens of fields
 - Full Author history available

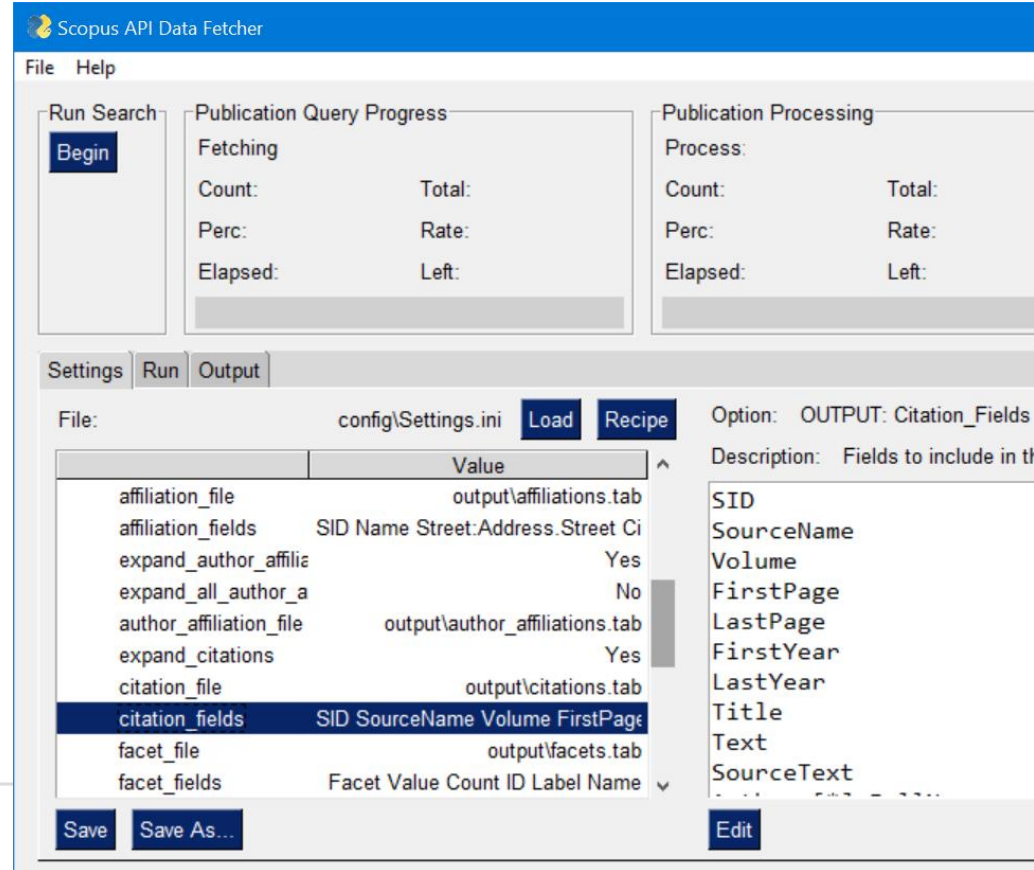


Scopus API Query Tool (Data Fetcher)

AutoSave Off Book1 - Excel Livingston, Eric (ELS-WSH) LE									
File Home Insert Page Layout Formulas Data Review View Developer Help Table Design Query Share									
I42	Elsevier B.V.								
	A	B	C	D	E	F	G	H	
1	PubSID	AuthSID	SID	Name	Street	City	Country	ParentID	ParentName
42	85100424575	6506111339	124840907	Archives des maladie	Radarweg 29	Amsterdam	Netherlands	60015522	Elsevier B.V.
43	85100424575	6506111339	126771889	environnement et tra		Angers	France	60012772	Universite d'An
44	85100424575	6506111339	123303499	UMR S 1085		Angers	France	60012772	Universite d'An
45	85116321916	55569986100	60103347	Hogeschool van Ams		Amsterdam	Netherlands		
46	85116321916	55569986100	60002483	Universiteit van Ams		Amsterdam	Netherlands		
47	85116321916	55569986100	123423979	Center of Expertise U	Binnengasthu	Amsterdam	Netherlands	60103347	Hogeschool van
48	85116321916	55569986100	109712374	Department of Cardic	Spui 21	Amsterdam	Netherlands	60002483	Universiteit van
49	85116321916	55569986100	116731442	ACHIEVE Centre of A	Binnengasthu	Amsterdam	Netherlands	60103347	Hogeschool van
50	85116321916	6505830208	60087206	Medicinski Fakultet,		Split	Croatia		
51	85116321916	6505830208	125345341	Department of Resea	Soltanska 2	Split	Croatia	60087206	Medicinski Faku
52	85116321916	6505830208	125345344	Cochrane Croatia	Soltanska 2	Split	Croatia	60087206	Medicinski Faku
53	85116321916	6505830208	125345339	School of Medicine	Soltanska 2	Split	Croatia	60087206	Medicinski Faku
54	85116321916	6505830208	125642140	Laboratory for Huma	Soltanska 2	Split	Croatia	60087206	Medicinski Faku
55	85116321916	6505830208	125346022	Department of Neuro	Soltanska 2	Split	Croatia	60087206	Medicinski Faku
56	85116321916	6602524855	60015522	Elsevier B.V.		Berlin	Germany		

Scopus API Query Tool (Data Fetcher)

1. Stand-alone application to fetch API data with no coding required
2. Multiple query types
3. Hundreds of Output Fields
4. Separate Author File
5. Separate Affiliation Files
6. Separate Citation File
 - One row per citation
 - Full text plus extracted fields

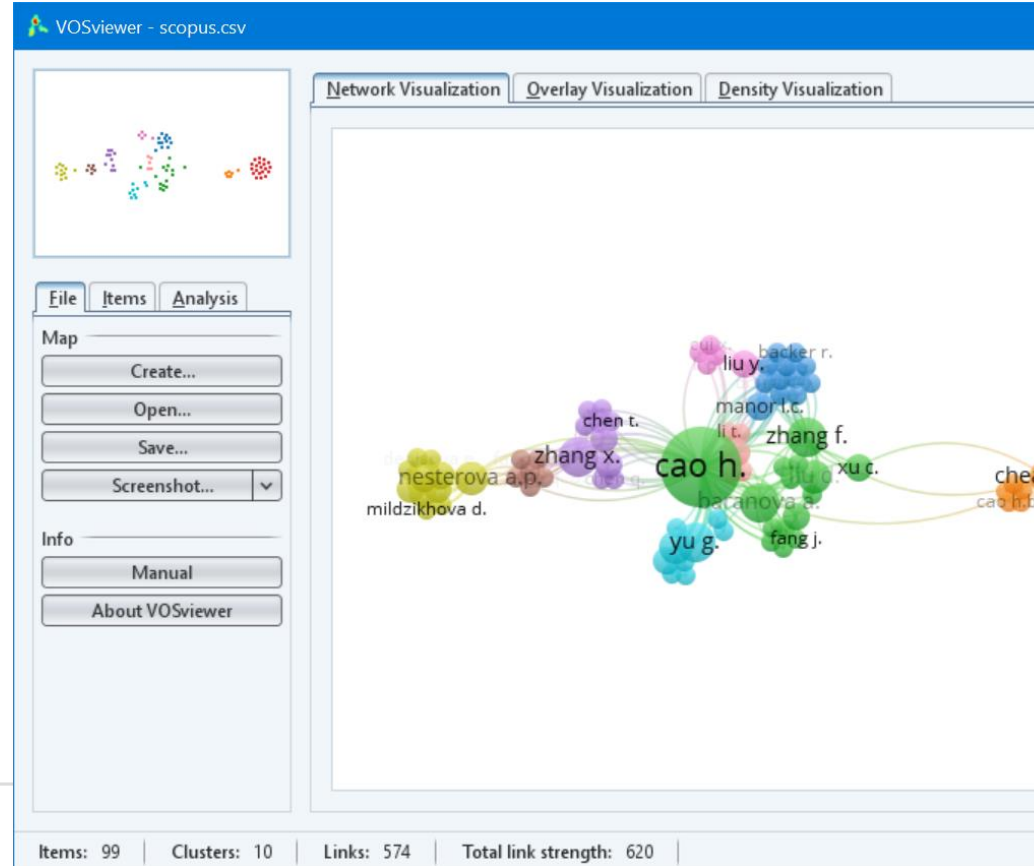


Scopus API Query Tool (Data Fetcher)

AutoSave Off Book1 - Excel Livingston, Eric (ELS-WSH) LE Share									
File Home Insert Page Layout Formulas Data Review View Developer Help Table Design Query									
C2 ✕ ✓ fx The SemanticWeb, 6th International SemanticWeb Conference, 2nd Asian SemanticWeb Conference									
	A	B	C	D	E	F	G	H	
1	PubSID	SID	SourceName	Volume	FirstPag	LastPag	FirstYe	LastY	Title
2	85107914850	49949092526	The SemanticWeb, 6th	4825	722	735	2007	2007	DBpedia: A nucleus for a web
9	85107914850	85083815650	Proceedings of the 201	1	4171	4186	2019	2019	BERT: Pre-training of deep bid
14	85107914850	85084002686	Advances in Informatic	12035	97	110	2020	2020	Graph-embedding empowers
19	85107914850	85078979352	Semantic Web	11	3	11	2020	2020	Neural-symbolic integration a
25	85107914850	68649096448	SIAM Review	51	455	500	2009	2009	Tensor decompositions and ap
26	85107914850	85083952445	Proceedings of the 36t	97			2019	2019	Challenging common assumpt
29	85107914850	84943791201	Proc. IEEE	104	11	33	2015	2015	A review of relational machine
31	85107914850	85065716427	Queue	17	48	75	2019	2019	Industry-scale knowledge grap
35	85107914850	74549177601	Found. Trends Inf. Ret	3	333	389	2009	2009	The probabilistic relevance fra
37	85107914850	85048485418	The Semantic Web-15t	10843	593	607	2018	2018	Modeling relational data with
43	85107914850	85019189005	ICML, JMLR Workshop	48	2071	2080	2016	2016	Complex embeddings for simp
46	85107914850	85030627463	IEEE Transactions on K	29	2724	2743	2017	2017	Knowledge graph embedding:
56	85105738319	85092355015	Neuron	108	44	65	2020	2020	A Primer on Motion Capture v
62	85103519903	85072979536	Proceedings of the AA	33	77	85	2019	2019	Triple classification using reg
70	85103519903	85073913328	Commun. ACM	62	36	43	2019	2019	Industry-scale knowledge grap

Scopus API Query Tool (Data Fetcher)

1. Stand-alone application to fetch API data with no coding required
2. Multiple query types
3. Hundreds of Output Fields
4. Separate Author File
5. Separate Affiliation Files
6. Separate Citation File
7. Other Options
 - Co-Authorship Network Data
 - RIS-formatted output
 - Row Filtering Rules
 - Topic Modeling
 - JSON output for import/analysis
 - VOSviewer-compatible output



Case Studies

Customer Support

Complex reporting for accreditation requirements

❑ **The Need**

- ❑ A custom report for accreditation body with each publication assigned to only a single author, based on authorship position

❑ **The Problem**

- ❑ Scopus.com export is in a different format
- ❑ A custom logic model is needed for the 'priority' flag
- ❑ Too large (> 7k publications) to do manually

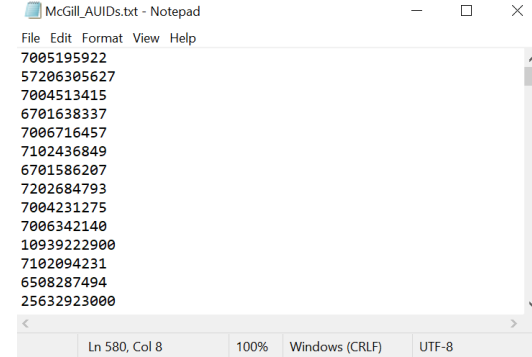
❑ **The Solution**

- ❑ Using the data fetcher to expand author data and their authorship on each paper

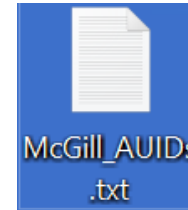
Publication_ID
Publication_Year
Author_Scopus_ID
Author_Name
Publication_Coauthor_Count
'Priority'
Author_Position
DocType
DOI
Publication_title

Complex reporting for accreditation requirements

1. Scopus search query to return all publications by the 600 authors of interest

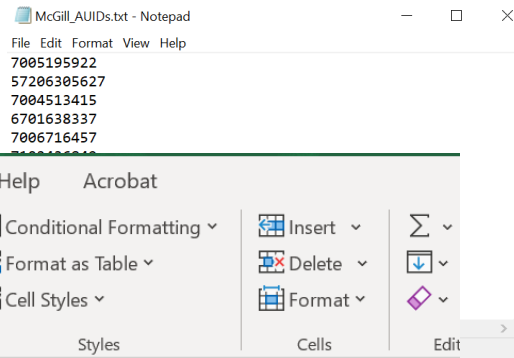


```
McGill_AUIDs.txt - Notepad
File Edit Format View Help
7005195922
57206305627
7004513415
6701638337
7006716457
7102436849
6701586207
7202684793
7004231275
7006342140
10939222900
7102094231
6508287494
25632923000
Ln 580, Col 8 100% Windows (CRLF) UTF-8
```



Complex reporting for accreditation requirements

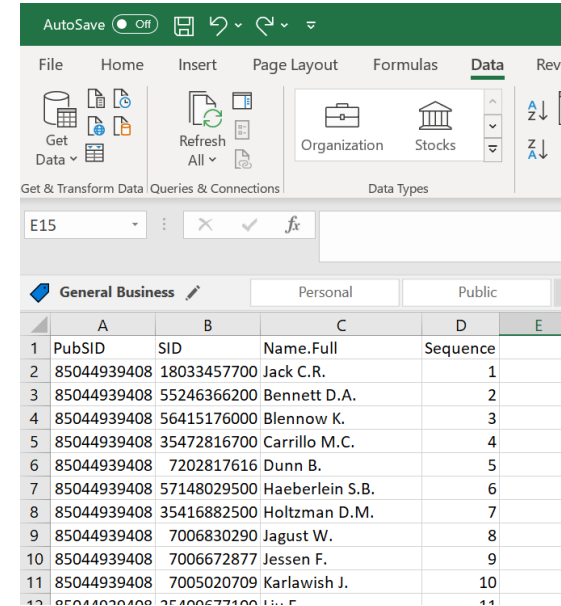
- Scopus search query to return all publications by the 600 authors of interest



	A	B	C	D	E	F	H	I	J	K
1	Publication_ID	Publication_Year	Author_Scopus_ID	Author_Ni	Coauthor_Count	Author_Pc	DocType	DOI	Publication_title	
2	85044939408	2018	7101961665	Sperling R	24	20	Review	10.1016/j.	NIA-AA Research Fra	
3	85054082101	2018	36063626800	Arnold D.I	4	3	Conferenc	10.1007/9	Exploring uncertainty	
4	85042658665	2018	57202555239	Weichentf	20	13	Article	10.1183/1	Effect modification of	
5	85044720685	2018	7005769212	Yale J.	3	1	Article	10.1016/j.	Hypoglycemia	
6	85055855927	2018	34567907500	Bourbeau	7	5	Review	10.1164/r	Underdiagnosis and c	

Complex reporting for accreditation requirements

1. Scopus search query to return all publications by the 600 authors of interest
2. Data Fetcher 'Expand Authors' export to include each publication-author combination on a separate row

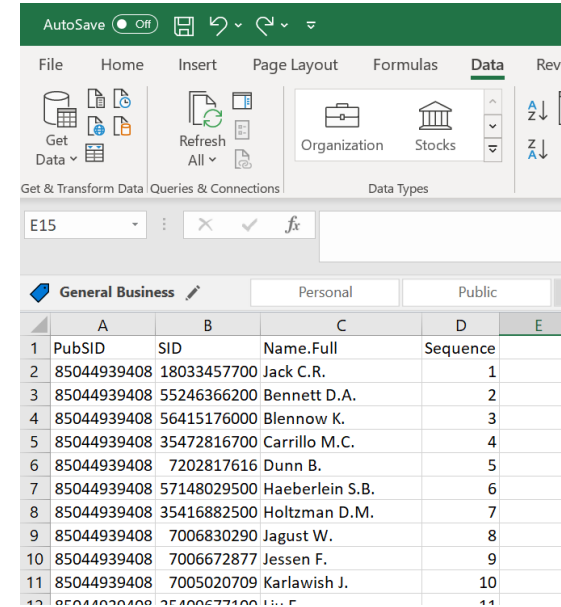


The screenshot shows the Microsoft Excel interface with the 'Data' tab selected. The ribbon includes options for 'Get Data', 'Refresh All', 'Organization', and 'Stocks'. Below the ribbon, the 'Data Types' section is visible. The main area displays a table with 11 rows of data. The columns are labeled A, B, C, D, and E. The data is as follows:

	A	B	C	D	E
1	PubSID	SID	Name.Full	Sequence	
2	85044939408	18033457700	Jack C.R.	1	
3	85044939408	55246366200	Bennett D.A.	2	
4	85044939408	56415176000	Blennow K.	3	
5	85044939408	35472816700	Carrillo M.C.	4	
6	85044939408	7202817616	Dunn B.	5	
7	85044939408	57148029500	Haeberlein S.B.	6	
8	85044939408	35416882500	Holtzman D.M.	7	
9	85044939408	7006830290	Jagust W.	8	
10	85044939408	7006672877	Jessen F.	9	
11	85044939408	7005020709	Karlawish J.	10	

Complex reporting for accreditation requirements

1. Scopus search query to return all publications by the 600 authors of interest
2. Data Fetcher 'Expand Authors' export to include each publication-author combination on a separate row
3. Remove all AU-IDs not part of original list



	A	B	C	D	E
1	PubSID	SID	Name.Full	Sequence	
2	85044939408	18033457700	Jack C.R.	1	
3	85044939408	55246366200	Bennett D.A.	2	
4	85044939408	56415176000	Blennow K.	3	
5	85044939408	35472816700	Carrillo M.C.	4	
6	85044939408	7202817616	Dunn B.	5	
7	85044939408	57148029500	Haeberlein S.B.	6	
8	85044939408	35416882500	Holtzman D.M.	7	
9	85044939408	7006830290	Jagust W.	8	
10	85044939408	7006672877	Jessen F.	9	
11	85044939408	7005020709	Karlawish J.	10	
12	85044939408	35400677100	Li, F.	11	

Complex reporting for accreditation requirements

1. Scopus search query to return all publications by the 600 authors of interest
2. Data Fetcher 'Expand Authors' export to include each publication-author combination on a separate row
3. Remove all AU-IDs not part of original list
4. Logic model to classify authors per requirements

If sequence = 1,
then Priority = "FIRST"

If sequence \neq 1, but sequence = co-author count,
then Priority = "LAST"

If sequence \neq 1 and sequence \neq co-author count,
then Priority = "CLOSEST" for lowest
sequence

If Priority \neq "FIRST", \neq "LAST", and \neq "CLOSEST",
then Priority = "NA"

Complex reporting for accreditation requirements

1. Scopus search query to return all publications by the 600 authors of interest
2. Data Fetcher 'Expand Authors' export to include each publication-author combination on a separate row
3. Remove all AU-IDs not part of original list
4. Logic model to classify authors per requirements
5. Send final worksheet

Complex reporting for accreditation requirements

1. Scopus search query to fetch publications by the organization
2. Data Fetcher 'Export' option to include each publication on a separate row
3. Remove all AU-IDs
4. Logic model to classify publications per accreditation requirements
5. Send final worksheet to the accreditation body

FileHomeInsertPage LayoutFormulasDataReviewViewHelpAcrobat

Get Data

Refresh All

Organization

Stocks

Sort

Filter

Clear

Reapply

Advanced

Text to Columns

Get & Transform Data

Queries & Connections

Data Types

Sort & Filter

Data Tools

E12

2

	A	B	C	D	E	F	G	H	I	J	K
1	Publication_ID	Publicat	Author_Scopu	Author_#	Author_Pc	Priority	DocType	DOI		Publication_title	
2	85044939408	2018	7101961665	Sperling	24	20	CLOSEST	Review	10.1016/j.	NIA-AA Research F	
3	85054082101	2018	36063626800	Arnold L	4	3	CLOSEST	Conferenc	10.1007/9	Exploring uncertain	
4	85042658665	2018	57202555239	Weicher	20	13	CLOSEST	Article	10.1183/1	Effect modification	
5	85044720685	2018	7005769212	Yale J.	3	1	FIRST	Article	10.1016/j.	Hypoglycemia	
6	85055855927	2018	34567907500	Bourbea	7	5	CLOSEST	Review	10.1164/r	Underdiagnosis an	
7	85055598850	2018	7006813067	Gobbi G	4	3	CLOSEST	Review	10.2174/0	Targeting melatoni	
8	85038972156	2018	6603409830	Ruthaze	5	5	LAST	Review	10.1002/d	Maternal immune	
9	85052053251	2018	11440840100	Sagan S.	2	2	LAST	Review	10.3390/v	The diverse roles o	
10	85042107605	2018	15837595500	Rabbani	3	3	LAST	Review	10.3389/f	Multifaceted role o	
11	85057354858	2018	36674020000	Trenholi	7	3	CLOSEST	Article	10.1016/j.	Whole-Brain Functi	

Focusing author profile clean-up

❑ The Need

- ❑ To focus author profile clean-up efforts only on profiles created since the last clean-up

❑ The Problem

- ❑ You cannot sort or filter author profiles in Scopus.com by date of creation

❑ The Solution

- ❑ Scopus Data Fetcher to pull date of first publication date for all profile

Affiliation details - University of Saskatchewan

University of Saskatchewan

105 Administration Place, Saskatoon
SK, Canada
Affiliation ID: 60015186
Other name formats: [University Of Saskatchewan](#) [Univ Of Saskatchewan](#) [Univ. Of Saskatchewan](#) [Univ. Saskatchewan](#) [College Of Pharmacy And Nutrition](#)

Documents, whole institution 65,635	Documents, affiliation only 58,406	Authors 11,714 Save to author list
--	---------------------------------------	--

Focusing author profile clean-up

1. Scopus search query to return publications by any of the institution's affiliations published since the last data clean-up

[Enter query string](#)

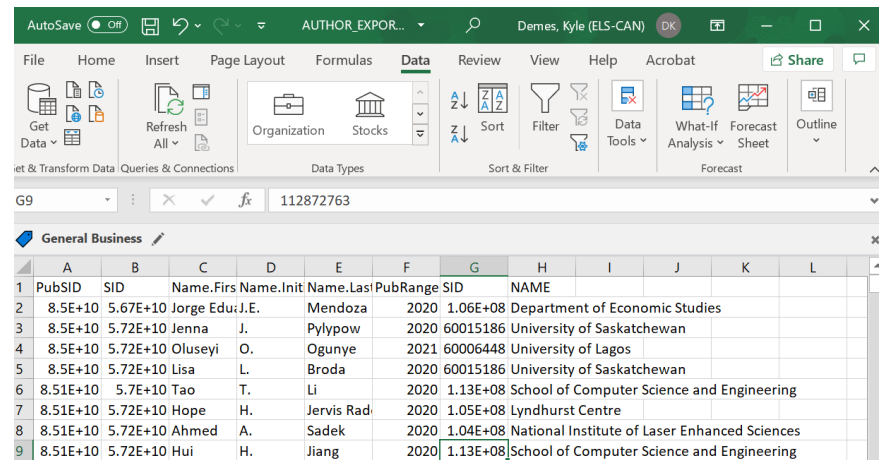
AF-ID("University of Saskatchewan" 60015186) OR AF-ID("Centre [Canadien de Rayonnement Synchrotron](#)" 60110902) OR AF-ID("Centre for Evidence Based Library and Information Practice" 60191854) OR AF-ID("Edwards School of Business" 60191853) OR AF-ID("Global Institute for Food Security" 60189136) OR AF-ID("Global Institute for Water Security" 60189135) OR AF-ID("Institute of Space and Atmospheric Studies" 60191856) OR AF-ID("Johnson [Shoyama](#) Graduate School of Public Policy" 60110900) OR AF-ID("Saskatchewan Population Health and Evaluation Research Unit" 60085602) OR AF-ID("Saskatchewan Structural Sciences Centre" 60191857) OR AF-ID("St. Peter's College Muenster" 60021459) OR AF-ID("St. Thomas More College [Saskatoon](#)" 60002756) OR AF-ID("University of Saskatchewan College of Medicine" 60011553) OR AF-ID("Canadian Centre for Health and Safety in Agriculture" 60191855) OR AF-ID("Saskatchewan Pediatric Auditory Rehabilitation Center" 60090328) OR AF-ID("University of Saskatchewan Western College of Veterinary Medicine" 60010905) OR AF-ID("Vaccine and Infectious Disease Organization - International Vaccine Centre" 60012987)

[Outline query](#) [Add Author name / Affiliation](#) [Clear form](#)

[Search Q](#)

Focusing author profile clean-up

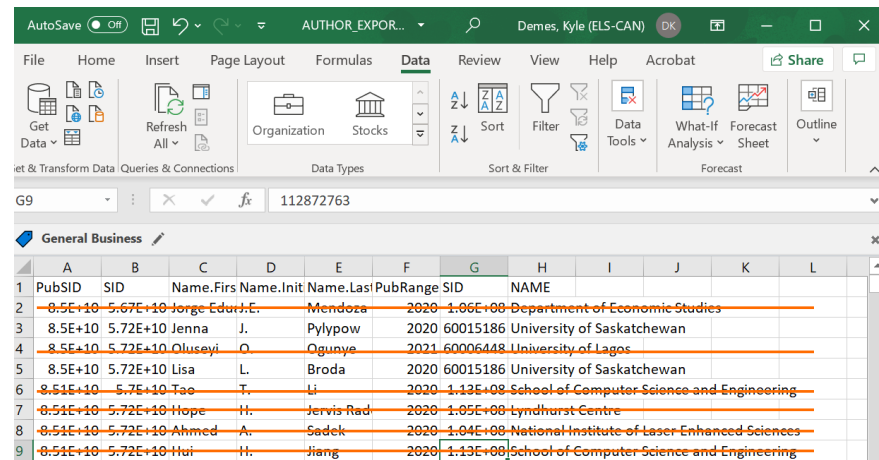
1. Scopus search query to return publications by any of the institution's affiliations published since the last data clean-up
2. Expand authors metadata export, including their AU-ID, AF-ID, and PubRange.StartYear



	A	B	C	D	E	F	G	H	I	J	K	L
	PubSID	SID	Name.Firs	Name.Init	Name.Las	PubRange	SID	NAME				
1	8.5E+10	5.67E+10	Jorge Edu	J.E.	Mendoza	2020	1.06E+08	Department of Economic Studies				
2	8.5E+10	5.72E+10	Jenna	J.	Pylypow	2020	60015186	University of Saskatchewan				
4	8.5E+10	5.72E+10	Oluseyi	O.	Ogunye	2021	60006448	University of Lagos				
5	8.5E+10	5.72E+10	Lisa	L.	Broda	2020	60015186	University of Saskatchewan				
6	8.51E+10	5.7E+10	Tao	T.	Li	2020	1.13E+08	School of Computer Science and Engineering				
7	8.51E+10	5.72E+10	Hope	H.	Jervis Rad	2020	1.05E+08	Lyndhurst Centre				
8	8.51E+10	5.72E+10	Ahmed	A.	Sadek	2020	1.04E+08	National Institute of Laser Enhanced Sciences				
9	8.51E+10	5.72E+10	Hui	H.	Jiang	2020	1.13E+08	School of Computer Science and Engineering				

Focusing author profile clean-up

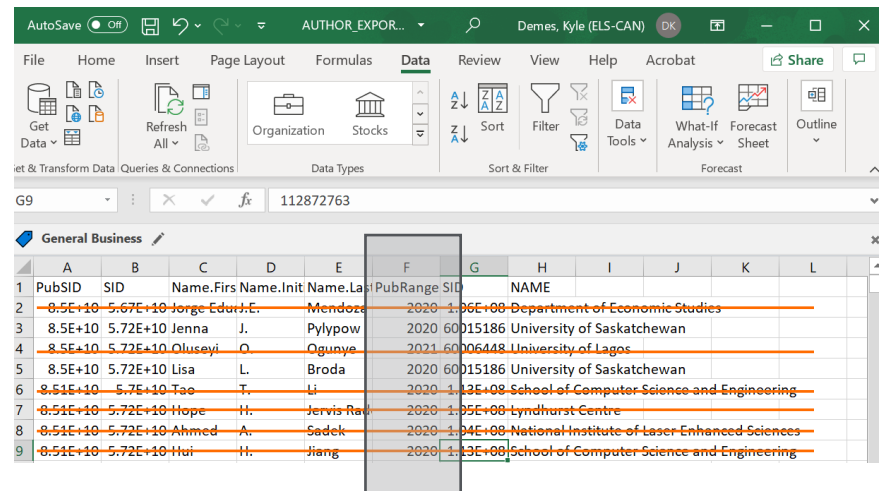
1. Scopus search query to return publications by any of the institution's affiliations published since the last data clean-up
2. Expand authors metadata export, including their AU-ID, AF-ID, and PubRange.StartYear
3. Remove authors not associated with a relevant affiliation



	A	B	C	D	E	F	G	H	I	J	K	L
1	PubSID	SID	Name.Firs	Name.Init	Name.Las	PubRange	SID	NAME				
2	8.5E+10	5.67E+10	Jorge	Eduri	J.E.	Mendoza	2020	1.06E+08	Department of Economic Studies			
3	8.5E+10	5.72E+10	Jenna	J.	Pylypow	2020	60015186	University of Saskatchewan				
4	8.5E+10	5.72E+10	Oluseyi	O.	Ogunye	2021	60006448	University of Lagos				
5	8.5E+10	5.72E+10	Lisa	L.	Broda	2020	60015186	University of Saskatchewan				
6	8.51E+10	5.7E+10	Tao	T.	Li	2020	1.13E+08	School of Computer Science and Engineering				
7	8.51E+10	5.72E+10	Hope	H.	Jervis Rad	2020	1.05E+08	Lyndhurst Centre				
8	8.51E+10	5.72E+10	Ahmed	A.	Sadek	2020	1.04E+08	National Institute of Laser Enhanced Sciences				
9	8.51E+10	5.72E+10	Hui	H.	Jiang	2020	1.13E+08	School of Computer Science and Engineering				

Focusing author profile clean-up

1. Scopus search query to return publications by any of the institution's affiliations published since the last data clean-up
2. Expand authors metadata export, including their AU-ID, AF-ID, and PubRange.StartYear
3. Remove authors not associated with a relevant affiliation
4. Trim by Publication Start Year



	A	B	C	D	E	F	G	H	I	J	K	L
1	PubSID	SID	Name.Firs	Name.Init	Name.Las	PubRange	SID	NAME				
2	8.5E+10	5.67E+10	Jorge	Edu	J.E.	2020	1.96E+08	Department of Economic Studies				
3	8.5E+10	5.72E+10	Jenna	J.	Pylypow	2020	60015186	University of Saskatchewan				
4	8.5E+10	5.72E+10	Oluseyi	O.	Ogunye	2021	6006448	University of Lagos				
5	8.5E+10	5.72E+10	Lisa	L.	Broda	2020	60015186	University of Saskatchewan				
6	8.51E+10	5.7E+10	Tao	T.	Li	2020	1.13E+08	School of Computer Science and Engineering				
7	8.51E+10	5.72E+10	Hope	H.	Jervis Rav	2020	1.95E+08	Lyndhurst Centre				
8	8.51E+10	5.72E+10	Ahmed	A.	Sadek	2020	1.94E+08	National Institute of Laser Enhanced Sciences				
9	8.51E+10	5.72E+10	Hui	H.	Jiang	2020	1.13E+08	School of Computer Science and Engineering				

Focusing author profile clean-up

1. Scopus search query to return publications by any of the institution's affiliations published since the last data clean-up
2. Expand authors metadata export, including their AU-ID, AF-ID, and PubRange.StartYear
3. Remove authors not associated with a relevant affiliation
4. Trim by Publication Start Year
5. Sort by author last name

C	D	E	F	G	H	I	J	K	L	M	N
iD	Name.Firs Name.Init	Name.Last	PubRange	SID	NAME						
5.72E+10	Mohamed M.S.	Abdelham	2020	60189135	Global Institute for Water Security						
5.72E+10	Mohamm M.A.	Abdulai	2020	60015186	University of Saskatchewan						
5.72E+10	Margo E.K.M.E.K.	Adam	2020	60015186	University of Saskatchewan						
5.72E+10	Margo E.K.M.E.K.	Adam	2020	60015186	University of Saskatchewan						
5.72E+10	Jordan J.	Adilman	2020	60015186	University of Saskatchewan						
5.72E+10	Tewodros T.W.	Ayalew	2020	60015186	University of Saskatchewan						
5.72E+10	Tewodros T.W.	Ayalew	2020	60015186	University of Saskatchewan						
5.72E+10	Uswah U.	Aziz	2020	60015186	University of Saskatchewan						
5.72E+10	Amber Lyr A.L.	Backwell	2020	60010905	University of Saskatchewan, Western College of Veterinary Medicine						
5.72E+10	A.	Balcita	2021	60015186	University of Saskatchewan						
5.72E+10	Natanael N.	Bandeira f	2020	60015186	University of Saskatchewan						
5.72E+10	Petr P.	Baranovsk	2020	60015186	University of Saskatchewan						
5.48E+10	Julia J.	Bareham	2020	60015186	University of Saskatchewan						
5.48E+10	Julia J.	Bareham	2020	60015186	University of Saskatchewan						
5.72E+10	Sarah S.	Bates	2020	60015186	University of Saskatchewan						
5.72E+10	Sarah S.	Bates	2020	60015186	University of Saskatchewan						
5.72E+10	Vern V.	Behl	2020	60015186	University of Saskatchewan						
5.72E+10	Warren W.	Berry	2020	60015186	University of Saskatchewan						

11,700 authors reduced to 250

Researchers with specific previous affiliation

❑ The Need

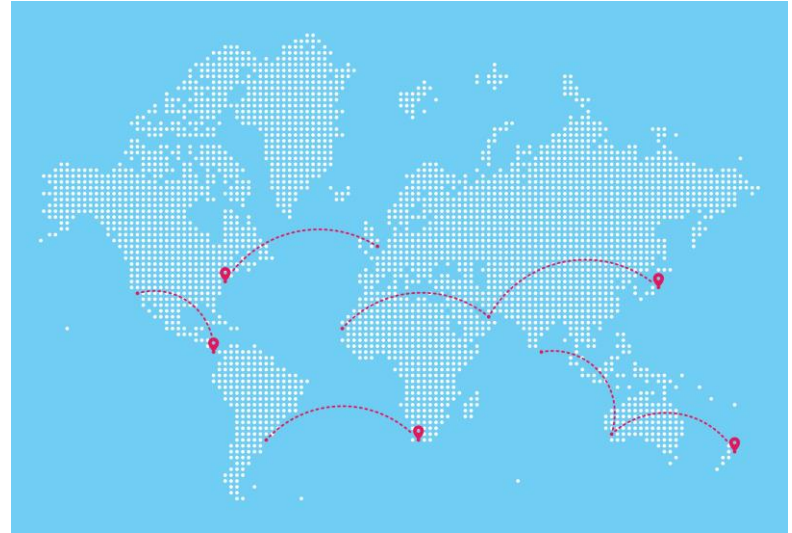
- ❑ A list of researchers who previously worked in a specific country

❑ The Problem

- ❑ You can access affiliation history in .com interface, but you cannot export it for a group of researchers
- ❑ The list of authors is too large to do manually (> 23k)

❑ The Solution

- ❑ Scopus APIs to pull full affiliation history from all authors from Calgary, limiting by country of affiliation



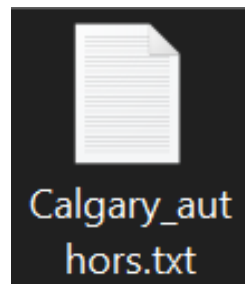
Researchers with specific previous affiliation

1. Pull all publications for any author affiliated with the University of Calgary

University of Calgary

2500 University Drive NW, Calgary
AB, Canada
Affiliation ID: 60002306
Other name formats: [University Of Calgary](#) [The University Of Calgary](#) [Univ Of Calgary](#) [Univ. Of Calgary](#) [Univ. Calgary](#)

Documents, whole institution 119,334	Documents, affiliation only 117,472	Authors 23,038 Save to author list
--	---	--



Researchers with specific previous affiliation

1. Pull all publications for any author affiliated with the University of Calgary
2. Expand affiliations output to produce a separate row for every publication-author-affiliation combination used & **country**

	A	B	C	D	E	F	G	H
25	85088587187	6503919089	118456586	19Department of Radiology/Division of Neurology	Canada	60010365	The University of British Co	["Canada"
26	85088587187	6503919089	113807066	Faculty of Medicine	Canada	60009507	University of Montreal	["Canada"
27	85088587187	6503919089	114447201	Department of Radiology and Research Center	Canada	60009657	Centre Hospitalier de L'Uni	["Canada"
28	85088587187	6503919089	103868404	Division of Neuroradiology	Canada	60016849	University of Toronto	["Canada"
29	85088587187	6503919089	103752418	Department of Diagnostic Imaging	Canada	60014468	University Health Network	["Canada"
30	85088587187	6503919089	112770038	Department of Medical Imaging	Canada	60016849	University of Toronto	["Canada"
31	85088587187	6503919089	100255486	Department of Radiology	Canada	60025197	Hopital Saint-Luc	["Canada"
32	85087180075	6503924665	60002306	University of Calgary	Canada			
33	85087180075	6503924665	60000953	Cumming School of Medicine	Canada			
34	85087180075	6503924665	123696230	Faculty of Kinesiology				
35	85087180075	6503924665	103163914	Sport Injury Prevention Research Centre	Canada	60002306	University of Calgary	["Canada"
36	85087180075	6503924665	125491614	Department of Community Health Sciences	Canada	60000953	Cumming School of Medici	["Canada"
37	85087180075	6503924665	113874777	Department of Community Health Sciences	Canada	60002306	University of Calgary	["Canada"
38	85087180075	6503924665	103163782	Faculty of Kinesiology	Canada	60002306	University of Calgary	["Canada"
39	85087180075	6503924665	125491616	Department of Pediatrics	Canada	60000953	Cumming School of Medici	["Canada"
40	85087180075	6503924665	125497403	Sport Injuriy Prevention Research Centre	Canada	60000953	Cumming School of Medici	["Canada"



Researchers with specific previous affiliation

1. Pull all publications for any author affiliated with the University of Calgary
2. Expand affiliations output to produce a separate row for every publication-author-affiliation combination used
3. Remove all authors who were not part of the original author list

	A	B	C	D	E	F	G	H
25	85088587187	6503919089	118456586	19Department of Radiology/Division of Neurology	Canada	60010365	The University of British Co	["Canada"]
26	85088587187	6503919089	113807066	Faculty of Medicine	Canada	60009507	University of Montreal	["Canada"]
27	85088587187	6503919089	114447201	Department of Radiology and Research Center	Canada	60009657	Centre Hospitalier de L'Un	["Canada"]
28	85088587187	6503919089	103868404	Division of Neuroradiology	Canada	60016849	University of Toronto	["Canada"]
29	85088587187	6503919089	103752418	Department of Diagnostic Imaging	Canada	60014468	University Health Network	["Canada"]
30	85088587187	6503919089	112770038	Department of Medical Imaging	Canada	60016849	University of Toronto	["Canada"]
31	85088587187	6503919089	100255486	Department of Radiology	Canada	60025197	Hopital Saint-Luc	["Canada"]
32	85087180075	6503924665	60002306	University of Calgary	Canada			
33	85087180075	6503924665	60000953	Cumming School of Medicine	Canada			
34	85087180075	6503924665	123696230	Faculty of Kinesiology				
35	85087180075	6503924665	103163914	Sport Injury Prevention Research Centre	Canada	60002306	University of Calgary	["Canada"]
36	85087180075	6503924665	125491614	Department of Community Health Sciences	Canada	60000953	Cumming School of Medicin	["Canada"]
37	85087180075	6503924665	113874777	Department of Community Health Sciences	Canada	60002306	University of Calgary	["Canada"]
38	85087180075	6503924665	103163782	Faculty of Kinesiology	Canada	60002306	University of Calgary	["Canada"]
39	85087180075	6503924665	125491616	Department of Pediatrics	Canada	60000953	Cumming School of Medicin	["Canada"]
40	85087180075	6503924665	125497403	Sport Injurv Prevention Research Centre	Canada	60000953	Cumming School of Medicin	["Canada"]
	< >	Calgary Authors	Authors_with_India	author_affiliations	+			

Researchers with specific previous affiliation

1. Pull all publications for any author affiliated with the University of Calgary
2. Expand affiliations output to produce a separate row for every publication-author-affiliation combination used
3. Remove all authors who were not part of the original author list
4. Subset list of Calgary authors to include only those with India affiliations as well

A	B
Both	TRUE 
Row Labels 	
6506360685	YES
6602945856	YES
6603898483	YES
6603936098	YES
7003671891	YES
7004020872	YES
7004541381	YES
7004869461	YES
7005133304	YES
7005663916	YES
7005858084	YES
7102558344	YES

Researchers with specific previous affiliation

1. Pull all publications for any author affiliated with the University of Calgary
2. Expand affiliations output to produce a separate row for every publication-author-affiliation combination used
3. Remove all authors who were not part of the original author list
4. Subset list of Calgary AU-IDs to include only those with India affiliations as well
5. Merge with author data

A	B	C	D	E	F	G	H	I
Scopus_Author_ID	HIndex	ORCID	First	Last	Initial	Full Name	Additional Affiliation in India	
7004869461	21		Gopal	Achari	G.	Achari, Gopal G.	YES	
20336972000	26	0000-0001	Mohamm	Almekhlaf	M.A.	Almekhlafi, Mohammed A. M.A.	YES	
55980082000	5	0000-0002	Rex	Arunraj	R.	Arunraj, Rex R.	YES	
55928391800	10		Zarina Abc	Assis	Z.A.	Assis, Zarina Abdul Z.A.	YES	
26425013000	14		Simerpreet	Bal	S.S.	Bal, Simerpreet S. S.S.	YES	
54902833800	11		Abhinand	Banerjee	A.	Banerjee, Abhinandan A.	YES	

Custom H' index: specifying year of citations

❑ The Need

- ❑ A custom H' Index including only citations from a specific year range

❑ The Problem

- ❑ Scopus.com does not enable date ranges on H' Index
- ❑ The list of authors was large and would have taken weeks to calculate manually

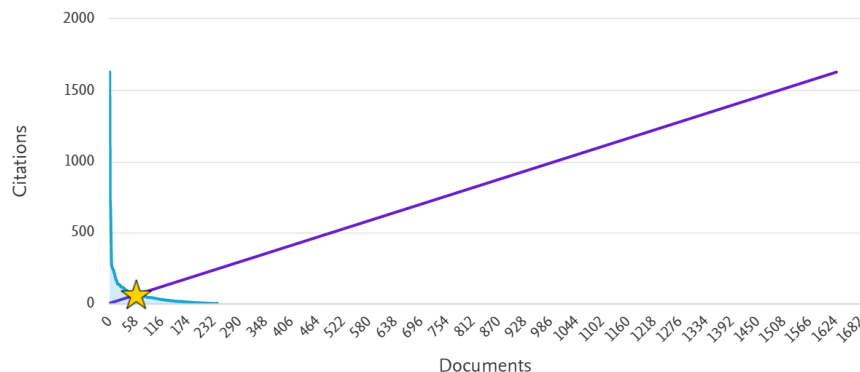
❑ The Solution

- ❑ Scopus APIs to export a full list of citing papers for all authors and limiting citing papers by year, then calculating H' index for the subset

This author's h -index

63

The h -index is based upon the number of documents and number of citations.



Custom H'index: specifying year of citations

1. Return publications for all relevant authors

	A	B	C	
1	Elsevier	Scopus Da	5.5.3	
2	Issues/Bugs	Eric Living	E.Livingston@Elsevier.com	
3	DateTime	#####		
4	Query	(AU-ID(57201008854)OR AU-ID(7006221858)OR AU-ID(7401719835)OR AU-ID(7403253898)OR A		
5	Scopus Fetched/Found	2201	2201	
6				
7	SID	EID	Source.Pu	Title
8	85114293127	2-s2.0-851	2021	Voice as a Signal of Human and Social Capital in Team Assembly Decisions
9	85066108313	2-s2.0-850	2019	Dissecting the learning curve of taxi drivers: A data-driven approach
10	85040698959	2-s2.0-850	2018	A data-driven distributionally robust bound on the expected optimal value
11	85087209582	2-s2.0-850	2020	Revisiting attribute framing: The impact of number roundedness on framir
12	85069479647	2-s2.0-850	2020	A new approach to the rational expectations equilibrium: existence, optim
13	85042874238	2-s2.0-850	2018	Do features that associate managers with a message magnify investorsâ€™
14	85102170704	2-s2.0-851	2021	The importance of soft skills development in a hard data world: learning fr



Custom H'index: specifying year of citations

1. Return publications for all relevant authors
2. Return list of all publications citing papers by those authors

SID	Source.PubYear	Title					
49549126734	1976	SEC line-of-business reporting and earnings forecasts					
17933665	1978	The analysis of multivariate time series applied to problems i					
18518740	1979	Transfer function-noise model applied to flow forecasting					
34250274242	1979	Causality relationships between macroeconomic variables: A					
2258593	1979	Financial accounting and reporting by oil and gas producing c					
18656514	1979	Surface water hydrology					
84977405054	1979	The Efficacy of Trading Suspensions: A Regulatory Action Des					
34250258785	1980	Time series analysis of the relationship between private cons					
85024971140	1980	The information content of SEC accounting series release no.					
5921185	1980	Improving the Quality of Corporate Financial Disclosure					
85024967205	1980	The adjustment of security returns to the disclosure of replac					
2462957	1980	Accounting policy decisions and capital market research					
84989099586	1980	Measuring security price performance					
84989479521	1980	AN ANALYSIS OF THE USEFULNESS OF DISAGGREGATED ACCO					
49149137306	1981	The economic determinants of the market reaction to propos					
2304601	1981	Evidence of the impact of mandatory changes in accounting p					
84985534723	1981	Asymptotic Robustness of Prediction Intervals of Arima Mode					
1524136	1981	An income strategy approach to the positive theory of accoun					

Custom H'index: specifying year of citations

1. Return publications for all relevant authors
2. Return list of all publications citing papers by those authors
3. Recreate the cited-citing linkage for all publications (duplicated list)

PubSID	SID	SourceName	Title	Text	SourceTex	Authors[*].FullName
77956389374	36355110	Proceedings of the	IntelliSho	Menczer, I	New York: ["Menczer F.", "Street W.N.", "Vishwakarma N."	
84873511664	8344283263	Economics of Tr	Capital M	A.Durnev, [CrossRef]	["Durnev A.", "Li K.", "Morck R.", "Yeung B.", "Du	
84873511664	1642331944	Journal of Finan	Value Enh	A.Durnev, [J]	["Durnev A.", "Morck R.", "Yeung B.", "Durnev A"	
84873511664	346898286	Journal of Accou	Does Gre	A.Durnev, [J]	["Durnev A.", "Morck R.", "Yeung B.", "Zarowin A"	
84873511664	67649646417	Journal of Finan	The Infor	J.G.Jiang,, View at G	["Jiang G.", "Xu D.", "Yao T.", "Jiang J.", "Jiang G."	
84889660853	49549121101	Health Care Mar	Operating	Berry, M., Berry-Stol	["Berry M.", "Berry-Stolzle T.", "Schleppers A."]	
84889660853	28044437968	Anesthesiology	Bayesian	Dexter, F. and Ledolt	["Dexter F.", "Ledolter J.", "Dexter F."]	
84889660853	17744382002	Anesthesia and	Tactical de	Dexter, F., PID: 15845	["Dexter F.", "Ledolter J.", "Wachtel R.E.", "Wach	
84892468652	2142705829	J. Consumer Res	The A(2)S	[69] Priest [CrossRef]	["Priester J.R.", "Nayakankuppam D.", "Fleming	
84892763053	31744439854	Journal of Mana	A meta-an	G.L.Stewa	2006 ["Stewart G.L.", "Stewart G.", "Steward G.L.", "St	
84893853920	84993869788	The Journal of Fi	The effect	Billett, M. T., Flanner	["Billett M.T.", "Flannery M.J.", "Garfinkel J.A.",	
84896419154	34748871335	Journal of Applie	Integratin	Humphrey PID: 17845	["Humphrey S.E.", "Nahrgang J.D.", "Morgeson	
84901727168	34249922689	Marketing Letter	Consumer	Gaeth, G. J., Levin, I.	["Gaeth G.J.", "Levin I.P.", "Chakraborty G.", "Le	
84901736653	34247574271	Marketing Letter	Affective	ronBifield, C., & Cole,	["Bonifield C.", "Cole C."]	
84902718354	77649244639	Educational Polic	Survey me	Desimone&	["Desimone L.M.", "Smith T.M.", "Frisvold D.E.",	
84905300097	1028908	J Financ Econ	The cost o	Billett M, cet	["Billett M.T.", "Garfinkel J.A.", "O'Neal E.S.", "B	



Custom H'index: specifying year of citations

1. Return publications for all relevant authors
2. Return list of all publications citing papers by those authors
3. Recreate the cited-citing linkage for all publications (duplicated list)
4. Subset to relevant authors (initial list) and citations (published after 2015 only)

Cited-citing linkage relevant if:
author ID matches initial list
citing papers publication year > 2015

	A	B	C	D
1	PubSID	RELEVANT?	SID	RELEVANT?
2	77956389374	YES	36355110	YES
3	84873511664	YES	8344283263	YES
4	84873511664	YES	1642331944	YES
5	84873511664	YES	346898286	YES
6	84873511664	YES	67649646417	YES
7	84889660853	YES	49549121101	YES
8	84889660853	YES	28044437968	YES

Custom H'index: specifying year of citations

1. Return publications for all relevant authors
2. Return list of all publications citing papers by those authors
3. Recreate the cited-citing linkage for all publications (duplicated list)
4. Subset to relevant authors (initial list) and citations (published after 2015 only)
5. Tally citations since 2016 for all the authors' publications

Publication ID	# Pubs Citing since 2016
13312	601
96809	3
110106	26
117113	5
123024	5
321422	49
507468	9
563462	17
639844	11
683776	8
705204	5
749509	50
833419	210

Custom H'index: specifying year of citations

1. Return publications for all relevant authors
2. Return list of all publications citing papers by those authors
3. Recreate the cited-citing linkage for all publications (duplicated list)
4. Subset to relevant authors (initial list) and citations (published after 2015 only)
5. Tally citations since 2016 for all the authors' publications
6. Add citation data to expanded authors output

A	B	C	H
PubSID	SID	Name.Full	Citations
84942884617	6506817668	Vasi I.B.	107
84864746371	6506817668	Vasi I.B.	93
84905091918	6506817668	Vasi I.	65
80052756863	6506817668	Vasi I.B.	29
70350141540	6506817668	Vasi I.B.	27
84979920466	6506817668	Vasi I.B.	24
70349336440	6506817668	Vasi I.	22
34548644564	6506817668	Vasi I.	17
85012904908	6506817668	Vasi I.	16
80053643177	6506817668	Vasi I.	15
84992462832	6506817668	Vasi I.B.	14
33845639112	6506817668	Vasi I.	13
37366281	6506817668	Vasi I.B.	13
82455257184	6506817668	Vasi I.	12
79955969173	6506817668	Vasi I.	9
1142265428	6506817668	Vasi I.	7
84949184266	6506817668	Vasi I.	5
85058529145	6506817668	Vasi I.	2

Custom H'index: specifying year of citations

1. Return publications for all relevant authors
2. Return list of all publications citing papers by those authors
3. Recreate the cited-citing linkage for all publications (duplicated list)
4. Subset to relevant authors (initial list) and citations (published after 2015 only)
5. Tally citations since 2016 for all the authors' publications
6. Add citation data to expanded authors output
7. Calculate H'index!

12 X ✓ fx =IF(H2>=F2, TRUE, FALSE)

	A	B	C	D	E	F	H	I	J
1	PubSID	SID	Name.Full	RELEVANT	Number_publications	Pub_Num	Citations	H-index	FINAL
2	84942884617	6506817668	Vasi I.B.	YES	FALSE	1	107	TRUE	1
3	84864746371	6506817668	Vasi I.B.	YES	TRUE	2	93	TRUE	2
4	84905091918	6506817668	Vasi I.	YES	TRUE	3	65	TRUE	3
5	80052756863	6506817668	Vasi I.B.	YES	TRUE	4	29	TRUE	4
6	70350141540	6506817668	Vasi I.B.	YES	TRUE	5	27	TRUE	5
7	84979920466	6506817668	Vasi I.B.	YES	TRUE	6	24	TRUE	6
8	70349336440	6506817668	Vasi I.	YES	TRUE	7	22	TRUE	7
9	34548644564	6506817668	Vasi I.	YES	TRUE	8	17	TRUE	8
10	85012904908	6506817668	Vasi I.	YES	TRUE	9	16	TRUE	9
11	80053643177	6506817668	Vasi I.	YES	TRUE	10	15	TRUE	10
12	84992462832	6506817668	Vasi I.B.	YES	TRUE	11	14	TRUE	11
13	33845639112	6506817668	Vasi I.	YES	TRUE	12	13	TRUE	12
14	37366281	6506817668	Vasi I.B.	YES	TRUE	13	13	TRUE	13
15	82455257184	6506817668	Vasi I.	YES	TRUE	14	12	FALSE	0
16	79955969173	6506817668	Vasi I.	YES	TRUE	15	9	FALSE	0
17	1142265428	6506817668	Vasi I.	YES	TRUE	16	7	FALSE	0
18	84949184266	6506817668	Vasi I.	YES	TRUE	17	5	FALSE	0
19	85058529145	6506817668	Vasi I.	YES	TRUE	18	2	FALSE	0
20	85042366163	6506817668	Vasi I.	YES	TRUE	19	1	FALSE	0

Custom H'index: specifying year of citations

1. Return publications for all relevant authors
2. Return list of all publications citing papers by those authors
3. Recreate the cited-citing linkage for all publications (duplicated list)
4. Subset to relevant authors (initial list) and citations (published after 2015 only)
5. Tally citations since 2016 for all the authors' publications
6. Add citation data to expanded authors output
7. Calculate H'index!
8. Export list of authors with new H'Index

A	C	D
AU-ID	Name	H'Index_2016
57201008854	Asay, H. Scott	5
7006221858	Balakrishnan, Ramji	11
7401719835	Berg, Joyce E.	8
7403253898	Collins, Daniel W.	20
36138697300	Donelson, Dain C.	11
56157531000	Durney, Michael	1
7005858180	Gleason, Cristi A.	12
56035059200	Hribar, Paul	16
6701528448	Penno, Mark C.	5
57055061400	Rhodes, Adrienne	2
56117428300	Wilde, Jaron H.	7

Collaboration mapping

❑ The Need

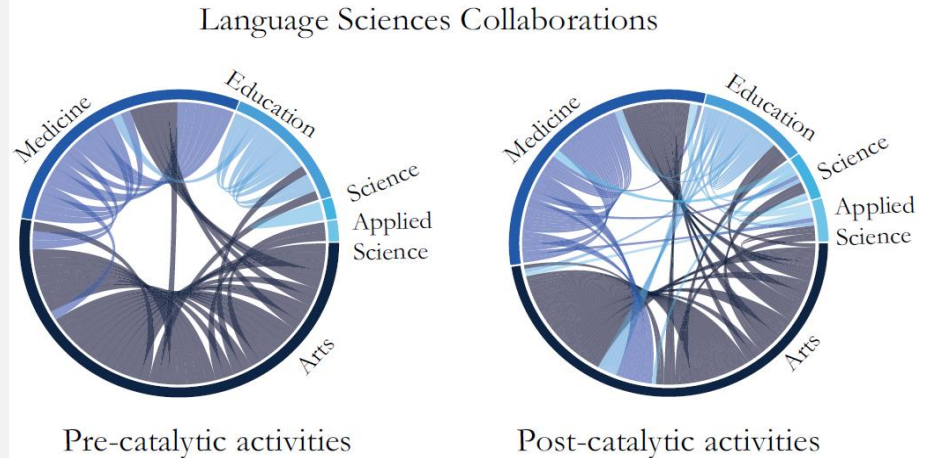
- ❑ Understand collaboration among researchers across departments in interdisciplinary areas

❑ The Problem

- ❑ Scopus.com does not export author collaboration matrix formats

❑ The Solution

- ❑ Use Scopus APIs to export co-publication information for a large group of researchers



Demes et al. 2019

Collaboration mapping

1. Query publications for a list of Scopus Author-IDs
2. Export collaboration data in adjacency list format

AuthID1	AuthID2	Count	Pubs
8957120500	6701887255	1	
8957120500	8552568800	1	
8957120500	7004098829	1	
7202290966	9732937200	1	
7202290966	6602527407	6	85083971872, 85074741668, 85102469062, 850
7202290966	35474208400	3	85032375209, 85074741668, 84885949111
7202290966	6701333185	2	84909592176, 84863376198
7202290966	7005903445	2	38349043984, 37349067228
7003299089	55485996500	33	84948687233, 84946129414, 85048139784, 849
7003299089	7006758009	25	80052561416, 84992168846, 84908461456, 850
7003299089	25923105300	10	85086884835, 85016776260, 84872388613, 850
7003299089	51664461300	2	85089596090, 85086986974
7003299089	6602894621	1	
7003299089	7102574917	36	33146370, 84872388613, 35214092, 849084614
7003299089	16242834800	2	85105730840, 85058639770
7003299089	9232449500	1	
7003299089	18343093700	1	
7003299089	14043807400	1	

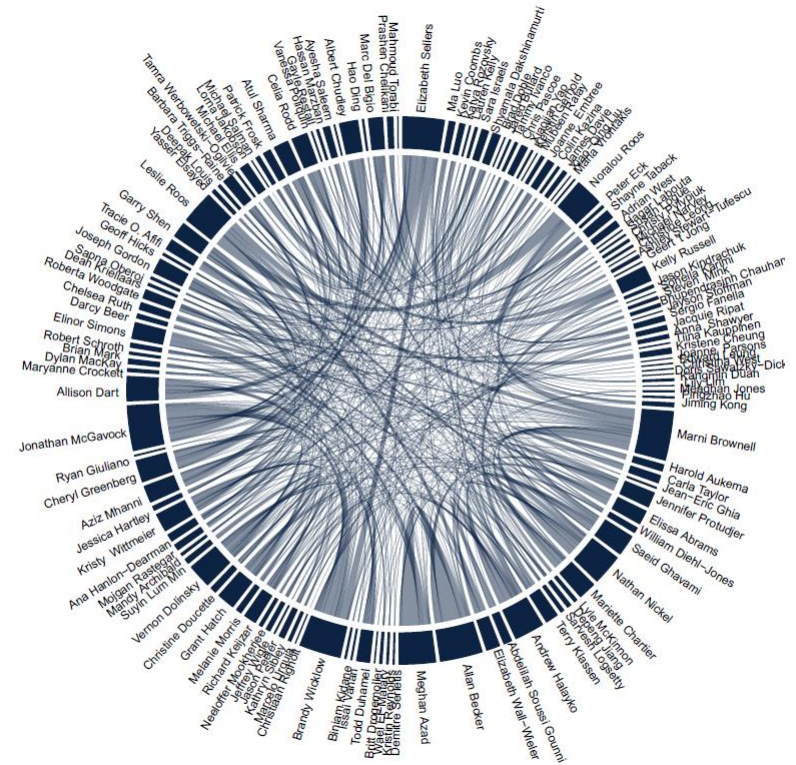
Collaboration mapping

1. Query publications for a list of Scopus Author-IDs
2. Export collaboration data in adjacency list format
3. Limit dataset to relevant authors

AuthID1	AuthID2	Count	Pubs
8957120500	6701887255	1	
8957120500	8552568800	1	
8957120500	7004098829	1	
7202290966	9732937200	1	
7202290966	6602527407	6	85083971872, 85074741668, 85102469062, 850
7202290966	35474208400	3	85032375209, 85074741668, 84885949111
7202290966	6701333185	2	84909592176, 84863376198
7202290966	7005903445	2	38349043984, 37349067228
7003299089	55485996500	33	84948687233, 84946129414, 85048139784, 849
7003299089	7006758009	25	80052561416, 84992168846, 84908461456, 850
7003299089	25923105300	10	85086884835, 85016776260, 84872388613, 850
7003299089	51664461300	2	85089596090, 85086986974
7003299089	6602894621	1	
7003299089	7102574917	36	33146370, 84872388613, 35214092, 849084614
7003299089	16242834800	2	85105730840, 85058639770
7003299089	9232449500	1	
7003299089	18343093700	1	
7003299089	14043807400	1	

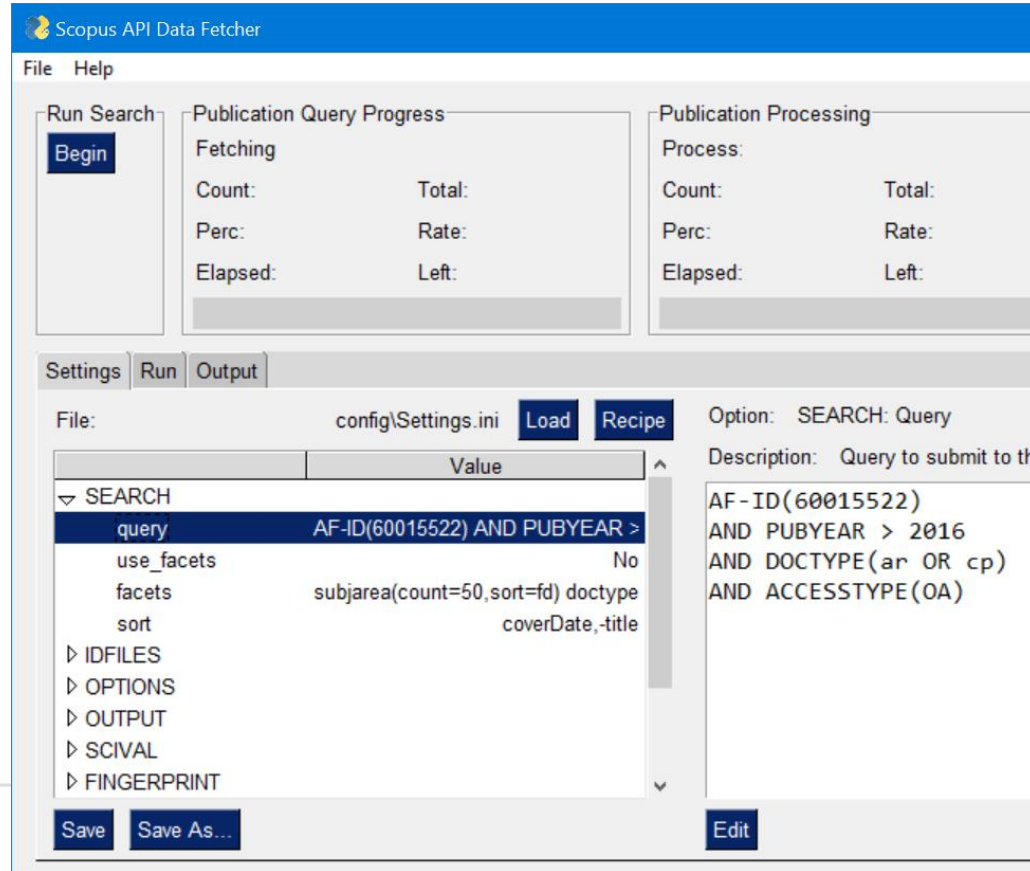
Collaboration mapping

1. Query publications for a list of Scopus Author-IDs
2. Export collaboration data in adjacency list format
3. Limit dataset to relevant authors
4. Graph in preferred visualisation program



For More Information...

1. The Data Fetcher is an informal tool made available to clients on a case-by-case basis
2. For more information, contact Kyle or Eric for:
 - More In-Depth Demonstrations
 - Discussion Use Cases
 - Training on the Tool
3. Emails:
Kyle: k.demes@elsevier.com
Eric: e.livingston@elsevier.com



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