# A New Way to Access Researcher Data: The Web of Science Researcher API

# Background

Web of Science Researcher Profiles were added to WoS in 2022. Evolving from Publons and ResearcherID, WoS Researcher Profiles allow users to track and highlight their research output right in the Web of Science, including publications, peer reviews, and editorial work.

Basic biographical			Set up ale
information, optionally upload a photo	Alternate publis and organizatio		public
Eugene Garfiel	d 🛛		Verify your A
Institute for Scientific Inform			Get your own ver name in Author S Record" on your
Published names Garfield, E Garfield	l, Eugene Garfield, E.		Ga
Published Organizations (i) University of Barcelon	a, Thomson Reuters Sci, Clarivate Show more		Metrics
,	- Other Topics; Social Sciences - Other Topics; Inf cience; General & Internal Medicine	ormation Science & Library	Profile summa
Documents Peer Review			<ul> <li>1550 Total docum</li> <li>1549 Web of Scient</li> <li>0 Preprints</li> <li>0 Verified peer</li> <li>0 Verified edite</li> </ul>
			• Verified edit Web of Science
1550 Documents			166
Include publications not indexed in Core Col	llection (1) All Publications $\checkmark$ Date: newest first $\checkmark$	< _1_ of 31 >	H-Index
			15,177 Sum of Times Cited
	to the Web of Science	1	Sum of Times cited
Citation indexes: from the Science Citation Index	to the web of science		
Citation indexes: from the Science Citation Index Garfield, Eugene Published Dec 2016   Bid-textos Universitaris de Bibliotec		Times Cited	Vi
Garfield, Eugene			Vi
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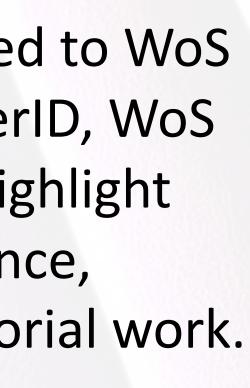
Now, with a subscription to the new **Researcher API** institutions can access this valuable data programmatically and in bulk. The data feed includes publication and review history for each researcher, as well as basic metrics such as total times cited counts and h-index. Publication lists for unclaimed profiles are algorithmically generated, while claimed profiles are curated by the researchers themselves.



Visit our GitHub page for code samples O

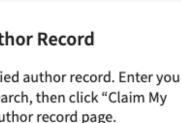


Documentation available on our **Developer Portal**  Benjamin Gross





🛕 Create Alert



thor search ← Open dashboard

Core Collection publication: ore Collection metric

> 1549 Publications in Web of Science 10,506 Citing Article

citation report

ຳຳຳຳ based on Web of core collection data



- Populate external profiles, e.g. VIVO
- Internal use cases, e.g. pre-populate FAR or CRIS
- Get latest researcher metrics
- Use as seed data for algorithmic clustering searches, such as those used by Harvard Profiles
- Find and track output of leading researchers within a topic

## Features

### **Discovery using advanced search syntax** • Attribute searches are possible with = (equals), ! (not),

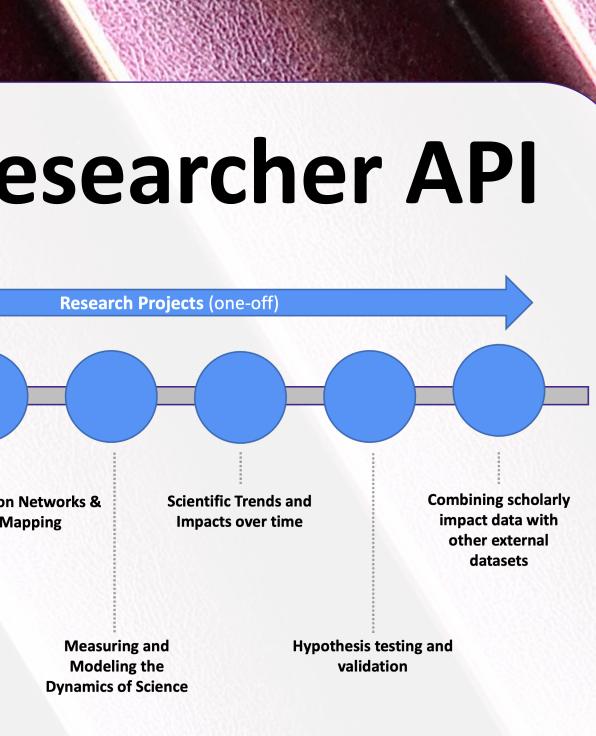
and ~ (includes)

### **Filters**

Limit results to claimed (or unclaimed) profiles, filter by country of primary affiliation, organization, or topic.

### **Example searches**

- Search for people by topic and country: Country = "England" AND Topic ~ "robotics"
- Search for claimed profiles based on name and  $\bullet$ organization: FirstName ~ "Eugene" AND LastName ~ "Garfield" and OG~"Institute for Scientific Information" and claimStatus=true



# **Example Data**

Search for researchers doing work in leukemia, with an affiliation including California. /researchers?q=TS~"leukemia" and OG~"California"&sort=NumberOfDocuments

1-{ 2- "metadata": {		
	•	
3 "total": 9614,	50	arch
4 "page": 1,	して	alu
5 "limit": 10		
6 },		_
7- "hits": [	•	Re
8- {	•	NE
9- "rid": [		
10 "U-4735-2019"		_
11 ],	•	Fu
<pre>12 "fullName": "Rheingold, Arnold",</pre>	•	ги
13 - "primaryAffiliation": [		
14 "University of California System"		_
15 ],		Pr
<pre>16 "self": "/researchers/U-4735-2019",</pre>	•	
17 "hIndex": 109,		
<pre>18 - "documentsCount": {</pre>		-
19 "count": 2660,		h-i
<pre>20 "self": "/researchers/U-4735-2019/documents"</pre>	•	
21 },		••
<pre>22 "totalTimesCited": 76955,</pre>		
23- "matches": [		То
24 - {	•	
<pre>25 "field": "organizationEnhanced",</pre>		
26- "value": [		
27 "University of <em>California</em> San Diego",		То
28 "University of <em>California</em> System"	•	10
29 ]		
30 }		_
31 ],		Sn
32 - "authorships": [	•	- SH
33 * {		••••
34 "ut": "W0S:000359325600021",		
35- "matches": [ 36- {		
36- { 37 "field": "abstract",		
38 ·		
39 "7) and <em>leukemia</em> (K562) cells"		
40 ]		
41		
42 1		
43 },		-
44 - {	С <b>с</b>	arch
45 "ut": "WOS:000272083700016",	<u> </u>	arch
46 - "matches": [		
47 - {	_	
48 "field": "abstract",	40	ocum
49- "value": [	- UC	ncurr
50 - "observed in <em>leukemia</em> (GI(50"		

### Retrieve details for individual

/researchers/A-1009-2008

Search result data fields

- ResearcherID
- ORCID
- WoS profile claim status
- Alternative names
- H-index
- Document counts (total and by year)
- Total times cited (with/without self)
- Total citing publications (with/without self)
- Affiliations
- Start and end year
- Number of documents with affiliation
- Author position statistics (first, last, corresponding)

### Metadata for documents published

/researchers/A-1009-2008/documents

1 - {	
2 -	"metadata": {
3	"total": 1549,
4	"page": 1,
5	"limit": 10
6	},
7 -	"hits": [
8 -	
9	"uid": "WOS:000390879300006",
LØ	"title": "Citation indexes: from the Science Citation Index to the Web of Science",
1 -	"types": [
12	"Editorial Material"
.3	1,
.4 -	"source": {
.5	"sourceTitle": "BID-TEXTOS UNIVERSITARIS DE BIBLIOTECONOMIA I DOCUMENTACIO",
16	"publishYear": 2016,
L7	"sortDate": "2016-12-01",
18	"volume": "",
19	"issue": "37"
20	},
21 -	"citations": [
22 -	{
23	"db": "WOS",
24	"count": 1
25	) )
26	],
27 -	"identifiers": {
28	"doi": ""
29	
30	},
31 -	1
32	"uid": "WOS:000467525100001",
33	"title": "Theories of Informetrics and Scholarly Communication Foreword",
34 -	"types": [
35	"Editorial Material",
36	"Book Chapter"
37	],
38 -	"source": {
39	"sourceTitle": "THEORIES OF INFORMETRICS AND SCHOLARLY COMMUNICATION: A FESTSCHRIFT
40	"publishYear": 2016,
41	"sortDate": "2016-01-01",
42	"volume": "",
43	"issue": ""
14	},
44 45 -	"citations": [
46 -	
10 .	

Peer review data is also available via a separate endpoint!

h result data fields esearcherID ull name rimary affiliation -index otal document count otal times cited

nippets of matched fields, with highlighting

h results can be sorted by relevance, number of ments published, primary affiliation, and name.



### Document data fields

- Article title
- Accession number (aka UID/UT)
- MIA I DOCUMENTACIO"
- Type • Journal (source) title
- Year
- Publication sort date
- Volume
- Issue
- Citation count from Web of Science **Core Collection**

**Clarivate**<sup>TM</sup>

- DOI
- PMID