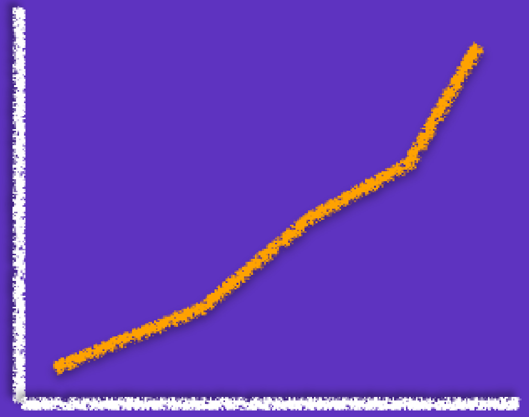
Researcher evaluation using WOS and InCites

Dju-Lyn CHNG, Regional Solution Consultant

17th Sept 2021

Current Forms of Assessing Impact: Bibliometrics

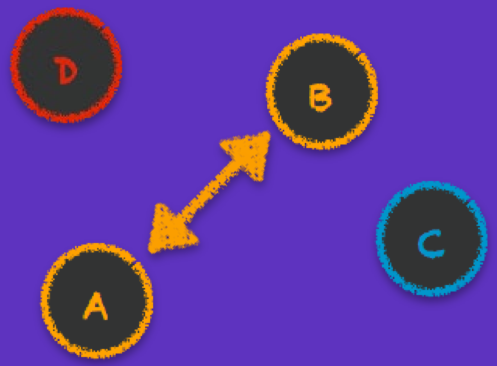
Absolute



Measure of productivity

Number of Documents
Times cited
Percent Cited

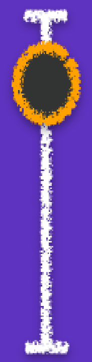
Like for Like



Allow limited comparisons

H-index
Citation Impact
Journal Impact Factor

Normalization



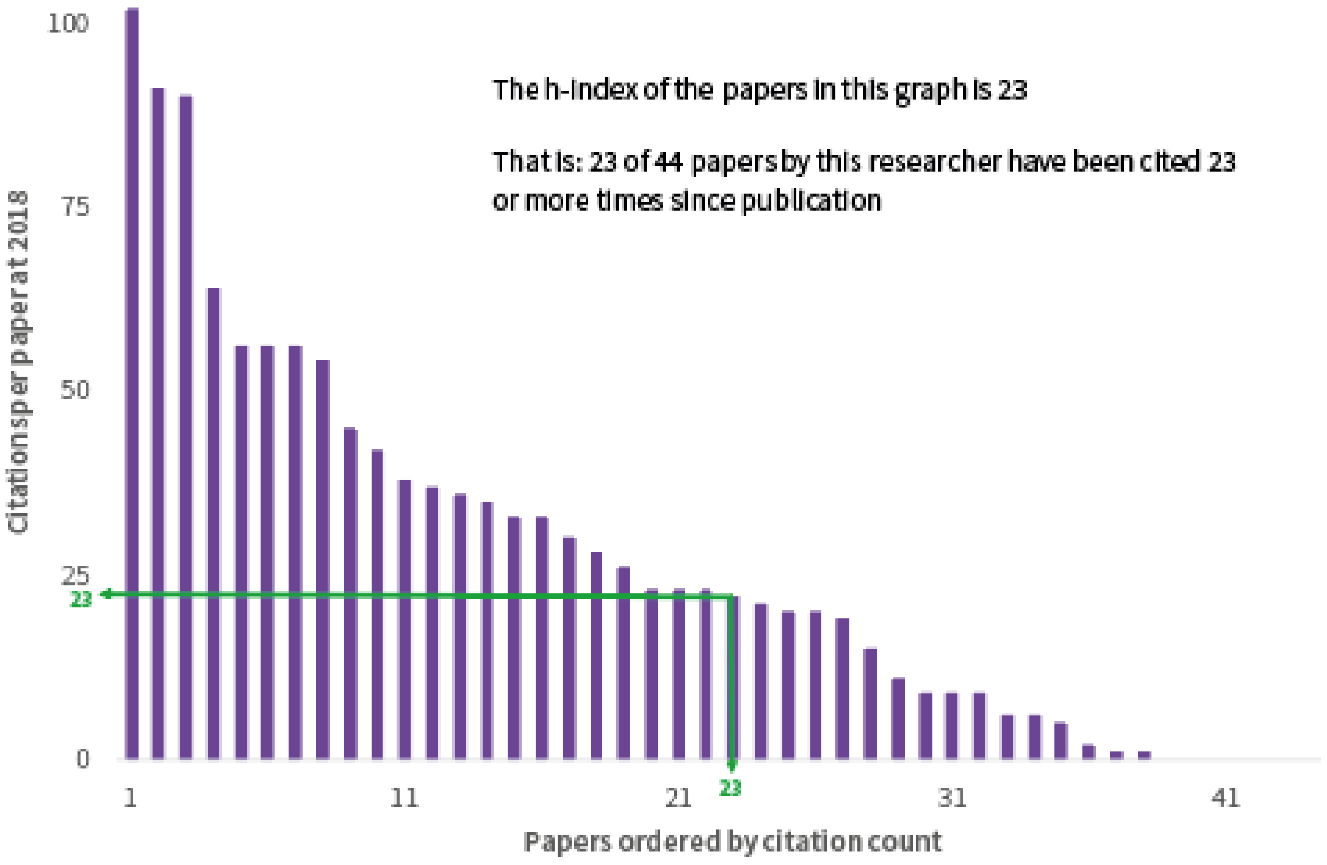
Put data in context & allow comparisons

Normalized Citation Impact
Percentile Indicators
ESI Highly Cited Papers

The use of H-Index in Researcher Evaluation

In this example an h-index = 23 for a researcher who is an author or co-author on 44 citable journal articles over a 15-year period.

Output included reports and proceedings that cannot be analysed in this way. Graphing the data reveals the spread, skew, and presence of relatively highly-cited items buried under the ‘h’ value. Uncited items disappear.


The h-index of the papers in this graph is 23

That is: 23 of 44 papers by this researcher have been cited 23 or more times since publication

Comparing 2 Researchers

Using Normalized Indicators

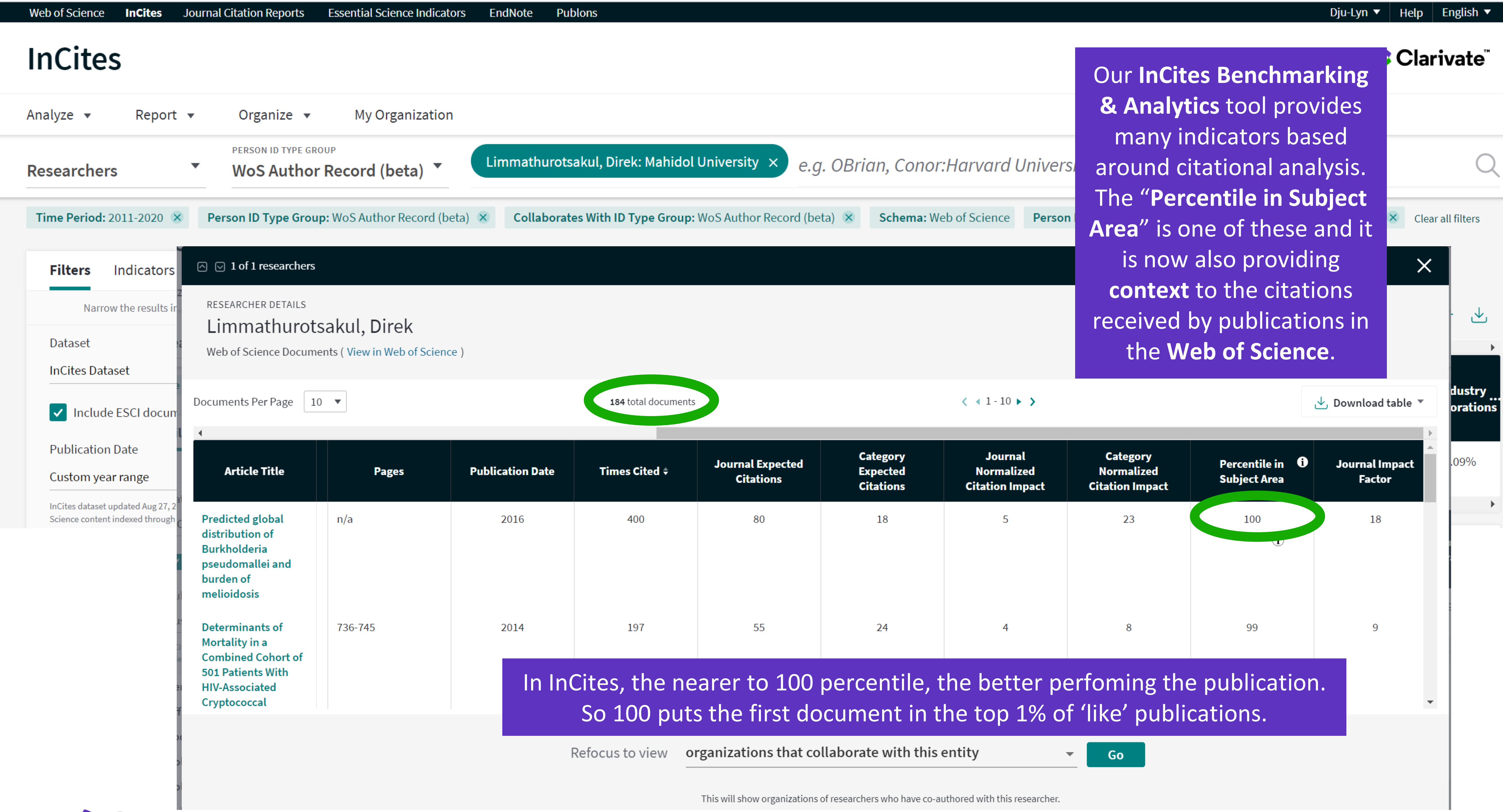
	Total Publications	**Total Citations**	**H-Index**	**CNCI**	**JNCI**
Researcher A	66	290	9	1.32	1.86
Researcher B	62	289	9	0.45	0.72

Both researchers have similar number of publications, citations, H-index.

They may be conducting research in different fields and may have different history of publication.

Using normalized indicators like Category Normalized Citation Impact (CNCI) and Journal Normalized Citation Impact (JNCI) gives us a better understanding of their performance relative to their peers in terms of subject, document type and age of publication.

Our **InCites Benchmarking & Analytics** tool provides many indicators based around citational analysis. The "**Percentile in Subject Area**" is one of these and it is now also providing **context** to the citations received by publications in the **Web of Science**.


Web of Science
InCites
Journal Citation Reports
Essential Science Indicators
EndNote
Publons
Dju-Lyn
Help
English
Clarivate
Analyze
Report
Organize
My Organization
Filters
Indicators
Download table
Go

InCites

Researchers

PERSON ID TYPE GROUP: WoS Author Record (beta)

Limmathurotsakul, Direk: Mahidol University

e.g. OBrian, Conor:Harvard Univers

Time Period: 2011-2020

Person ID Type Group: WoS Author Record (beta)

Collaborates With ID Type Group: WoS Author Record (beta)

Schema: Web of Science

Clear all filters

Narrow the results i

Dataset: InCites Dataset

☑ Include ESCI docum

Publication Date: Custom year range

InCites dataset updated Aug 27, 2
Science content indexed through

1 of 1 researchers

RESEARCHER DETAILS

Limmathurotsakul, Direk

Web of Science Documents (View in Web of Science)

Documents Per Page: 10

184 total documents

1 - 10

Article Title	Pages	Publication Date	Times Cited	Journal Expected Citations	Category Expected Citations	Journal Normalized Citation Impact	Category Normalized Citation Impact	Percentile in Subject Area	Journal Impact Factor
Predicted global distribution of Burkholderia pseudomallei and burden of melioidosis	n/a	2016	400	80	18	5	23	100	18
Determinants of Mortality in a Combined Cohort of 501 Patients With HIV-Associated Cryptococcal	736-745	2014	197	55	24	4	8	99	9

Refocus to view: organizations that collaborate with this entity

This will show organizations of researchers who have co-authored with this researcher.

In InCites, the nearer to 100 percentile, the better perfoming the publication. So 100 puts the first document in the top 1% of 'like' publications.

Percentile Calculation

Each document is compared to their YEAR, CATEGORY (research field) and document type.

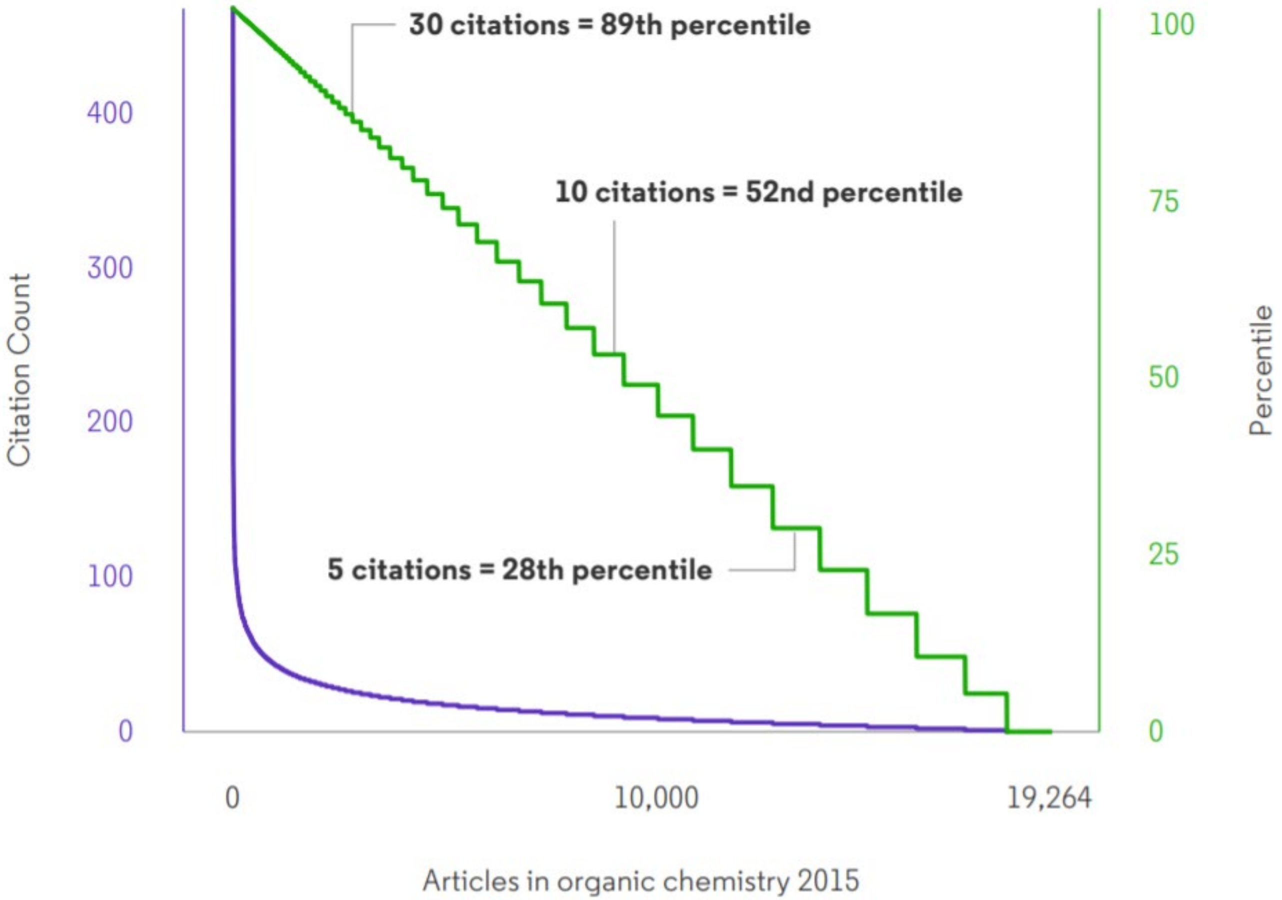
Using this comparison, they are each given a set of normalised metrics.

This figure is from a white paper ISI produced recently, which can be downloaded here.

Additional information on how we use normalized indictors can be found here.

Clarivate™

This example is for publications in 2015, in the research field of Organic Chemistry.



The highest number of citations received by a publication was 462, lowest 0. The figure demonstrates how skewed the distribution is and how useful a percentile is.

Author Record Beamplot

A beamplot is a type of graph that plots an author's publications citation percentile values on a 'beam'.

They were proposed by Lutz Bornmann and Robin Haunschild of the Max Planck Institute and were supported by the Institute for Scientific Information (ISI) in the Profiles, not Metrics (2018) report, as an alternative indicator to the H-index, as a measure of a researcher's citation profile.

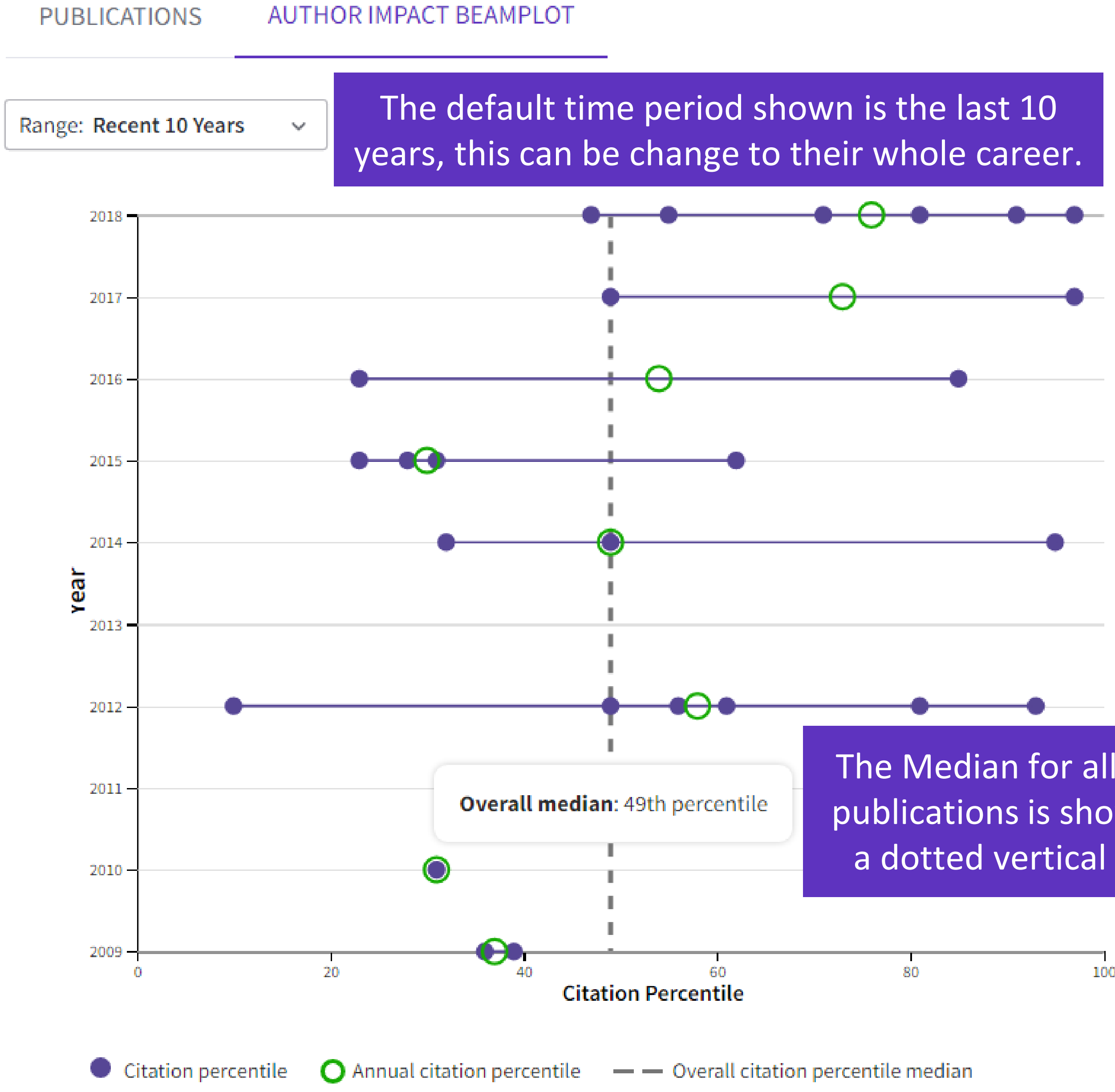
We have now introduced them into Author Records in the Web of Science.

They allow you to:

- ✓ View article performance in appropriate context
- ✓ See performance change over time

In Web of Science, a higher percentile value means better performance. A paper with a percentile of value of 99, is in the top 1% of 'like' publications.

Each purple node represents an article or group of articles. Its position shows its year of publication (y-axis) and its citation percentile (x-axis).



PUBLICATIONS
AUTHOR IMPACT BEAMPLOT
2018
2017
2016
2015
2014
2013
2012
2011
2010
2009
Year
0
20
40
60
80
100
Citation Percentile
● Citation percentile
○ Annual citation percentile
– – Overall citation percentile median

Range: Recent 10 Years

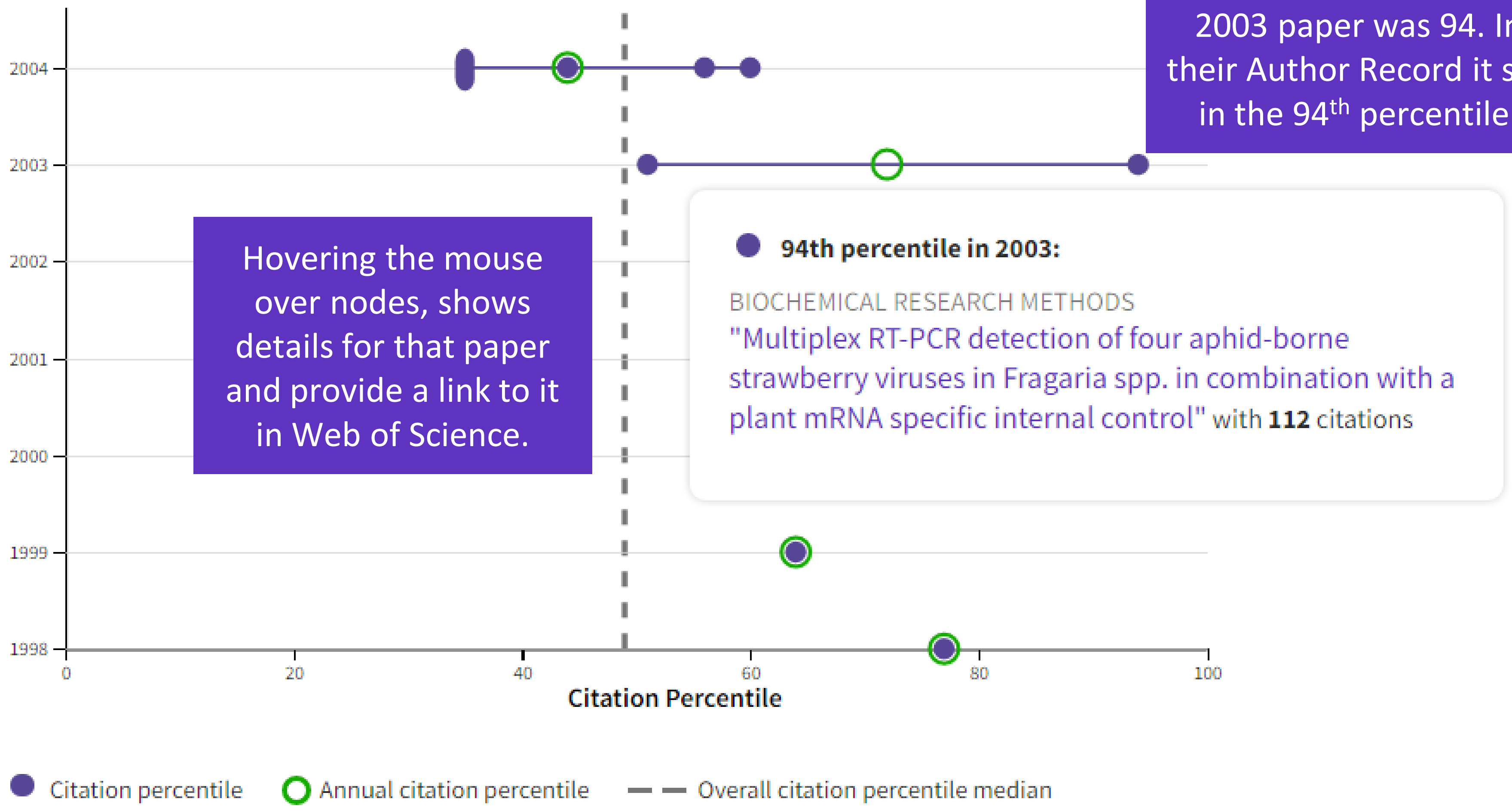
Overall median: 49th percentile

The default time period shown is the last 10 years, this can be change to their whole career.

The Median for all their publications is shown as a dotted vertical line.

Author Record Beamplot

In InCites, the “Percentile in Subject Area” of this 2003 paper was 94. In their Author Record it sits in the 94th percentile.


2004
2003
2002
2001
2000
1999
1998
0
20
40
60
80
100
Citation Percentile
Citation percentile
Annual citation percentile
Overall citation percentile median

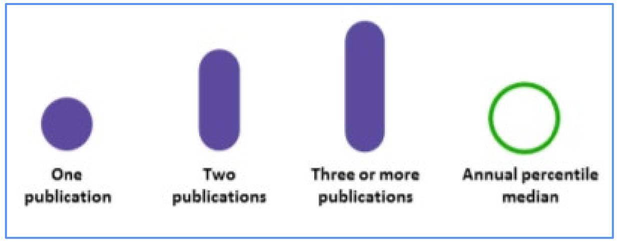
94th percentile in 2003:

BIOCHEMICAL RESEARCH METHODS

"Multiplex RT-PCR detection of four aphid-borne strawberry viruses in Fragaria spp. in combination with a plant mRNA specific internal control" with **112** citations

Hovering the mouse over nodes, shows details for that paper and provide a link to it in Web of Science.

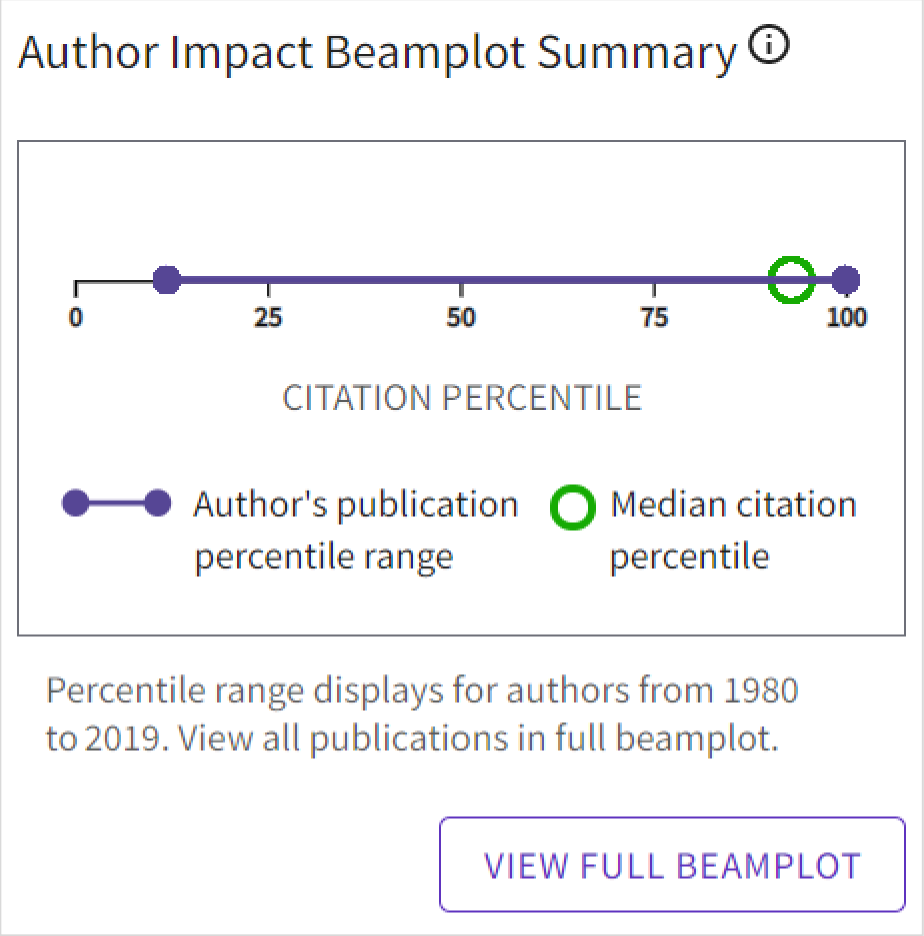
Larger nodes indicte more than one paper occupies the same location in the beamplot.


One publication
Two publications
Three or more publications
Annual percentile median

Author Record Beamplot

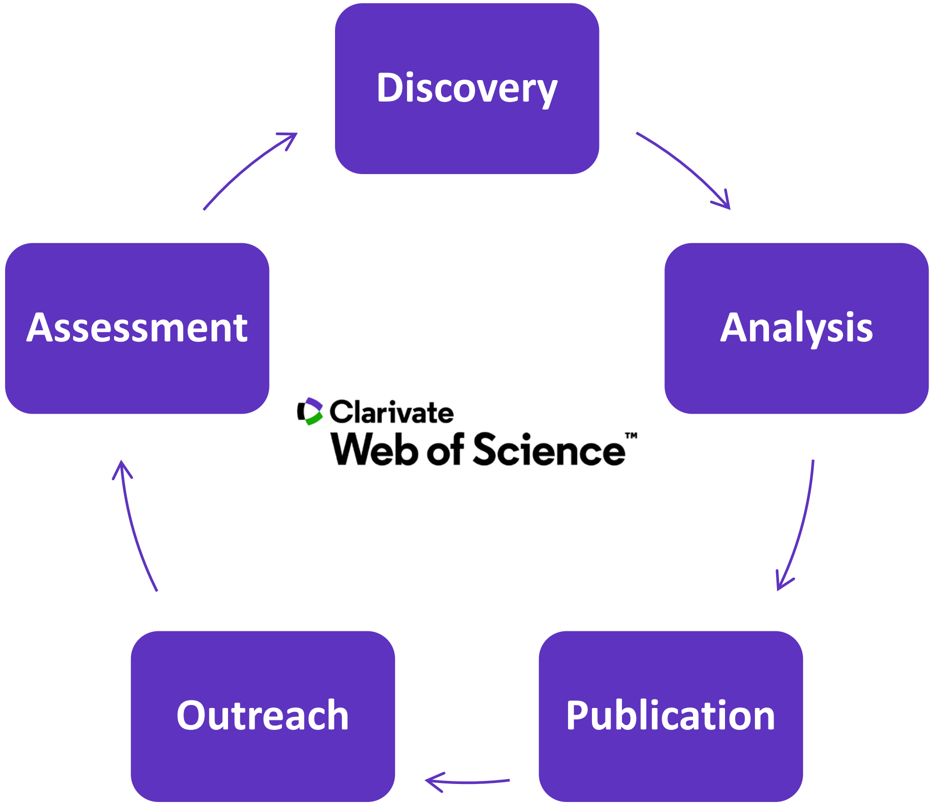
THINGS TO KNOW

- Percentile values are sourced from *InCites Benchmarking & Analytics* (including ESCI data).
- Beamplots only include publications with the Web of Science document type, *Article* or *Review*.
- Percentiles are calculated for publications back to 1980. Current and previous year publications are excluded from the beamplot (due to low number of citations).
- Publications may be assigned more than one subject category. The category displayed is the highest performing.


Author Impact Beamplot Summary
0
25
50
75
100
CITATION PERCENTILE
Author's publication percentile range
Median citation percentile
VIEW FULL BEAMPLOT

Percentile range displays for authors from 1980 to 2019. View all publications in full beamplot.

Importance of showcasing your research


Discovery
Analysis
Publication
Outreach
Assessment
Clarivate
Web of Science™

- Get noticed by potential collaborators
- Enhance the reputation of yourself, your department and your institution
- Demonstrate the breadth of your research to:
    - Hiring committees
    - Funding agencies
    - Tenure evaluators
- Identify researchers for mentorship or collaboration

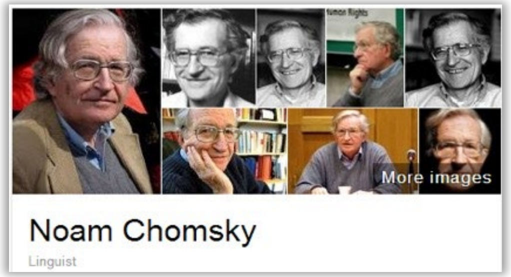
Making sure you are noticed

and not mixed up with someone else

What is Author disambiguation?

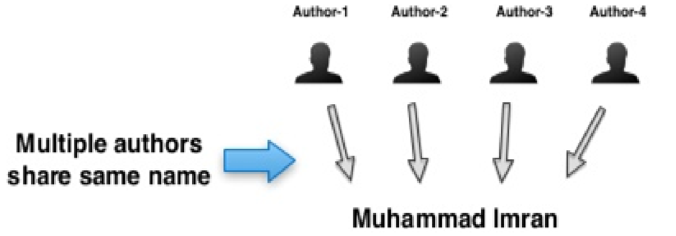
Name ambiguity is a frequently encountered problem in the scholarly community:

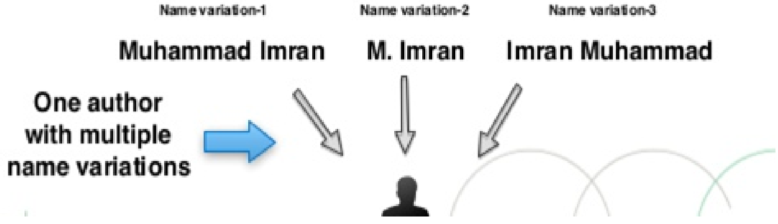
- Different researchers publish under the same name.
- Individual researchers publish under many names.
- Languages and cultural naming conventions introduce additional challenges.


More images
Noam Chomsky
Linguist

Also published as:

- Avram Noam Chomsky
- N. Chomsky
- نعوم تشومسكي
- נועם חומסקי


Author-1
Author-2
Author-3
Author-4
Multiple authors share same name
Muhammad Imran


Name variation-1
Name variation-2
Name variation-3
Muhammad Imran
M. Imran
Imran Muhammad
One author with multiple name variations

FACT: A mere hundred surnames still make up over 85% of China's 1.3 billion citizens. The top three—Wang, Li , and Zhang—cover more than 20% of the population.

Author disambiguation is a process that aims to find all publications that belong to a given author and distinguish them from publications of other authors who share the same name.

What drives the need for author profiling systems?

INDIVIDUALS

- Learn (e.g. get familiar with someone else’s work)
- Find mentors
- Vet collaborators
- Gain exposure, build a career
- Own their scholarly identity

RESEARCH PRODUCING INSTITUTIONS

- Showcase faculty expertise
  - Attract the attention of funders, industry, and media
  - Demonstrate ROI to the public
  - Promote collaboration across departments
- Recruit the “best” candidates
- See and assess the research activity that is occurring within.

RESEARCH FUNDERS

- Recruit grant reviewers
- Identify subject matter experts for board/advisory positions
- Vet the publications record of grant applicants

SCHOLARLY PUBLISHERS

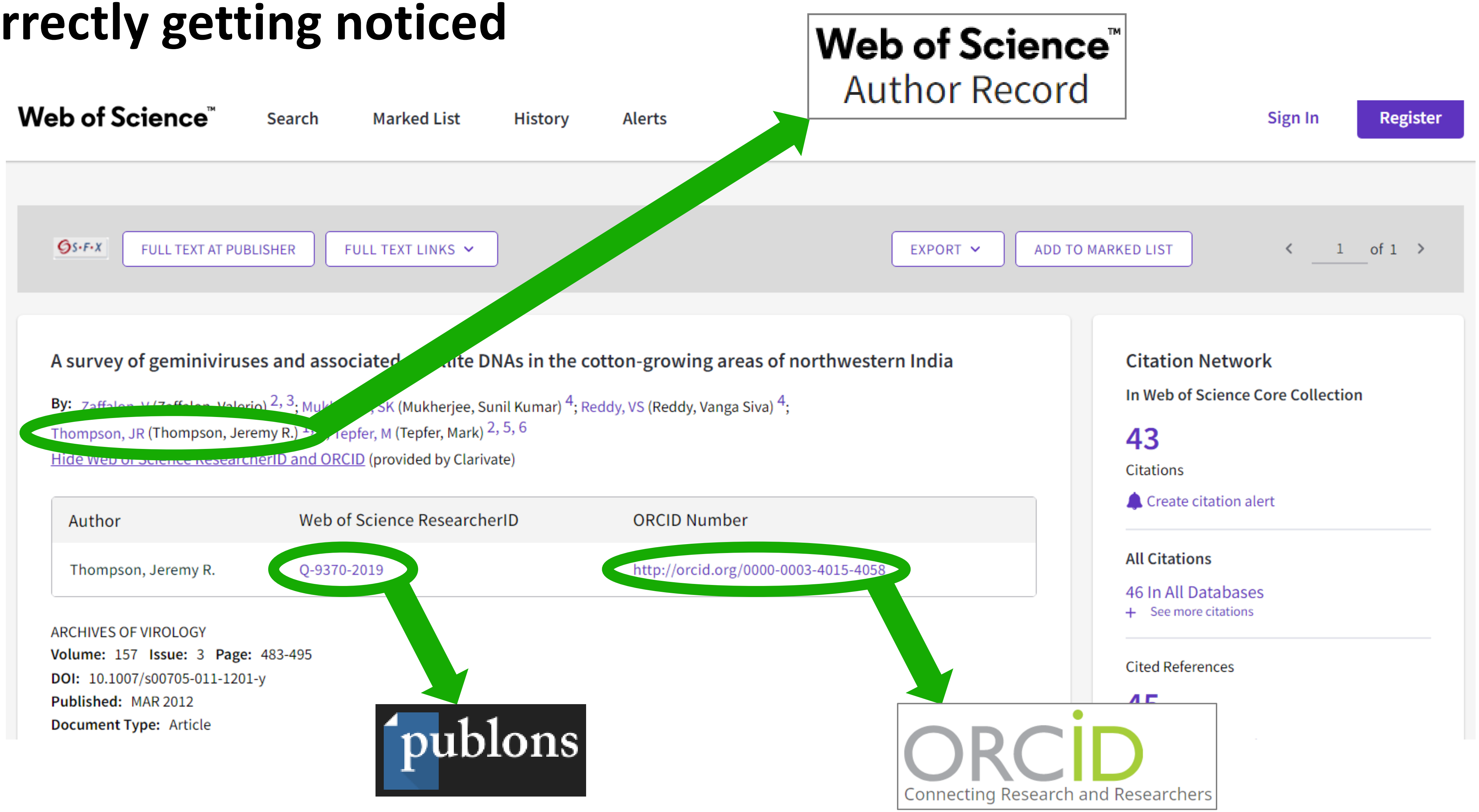
- Recruit manuscript reviewers
- Vet the publications record of submitting authors
- Identify & vet editors/editorial board members

DISCOVERY

EVALUATION

Librarians support all of these stakeholders and often bear the burden of wrestling with ambiguous author data in systems.

Correctly getting noticed



Web of Science™
Author Record

Web of Science™
Search
Marked List
History
Alerts
Sign In
Register
S·F·X
FULL TEXT AT PUBLISHER
FULL TEXT LINKS
EXPORT
ADD TO MARKED LIST
1 of 1

A survey of geminiviruses and associated ite DNAs in the cotton-growing areas of northwestern India

By: Zaffalon, V (Zaffalon, Valerio) 2, 3; Mul , SK (Mukherjee, Sunil Kumar) 4; Reddy, VS (Reddy, Vanga Siva) 4;
Thompson, JR (Thompson, Jeremy R.) ; Tepfer, M (Tepfer, Mark) 2, 5, 6
Hide Web of Science ResearcherID and ORCID (provided by Clarivate)

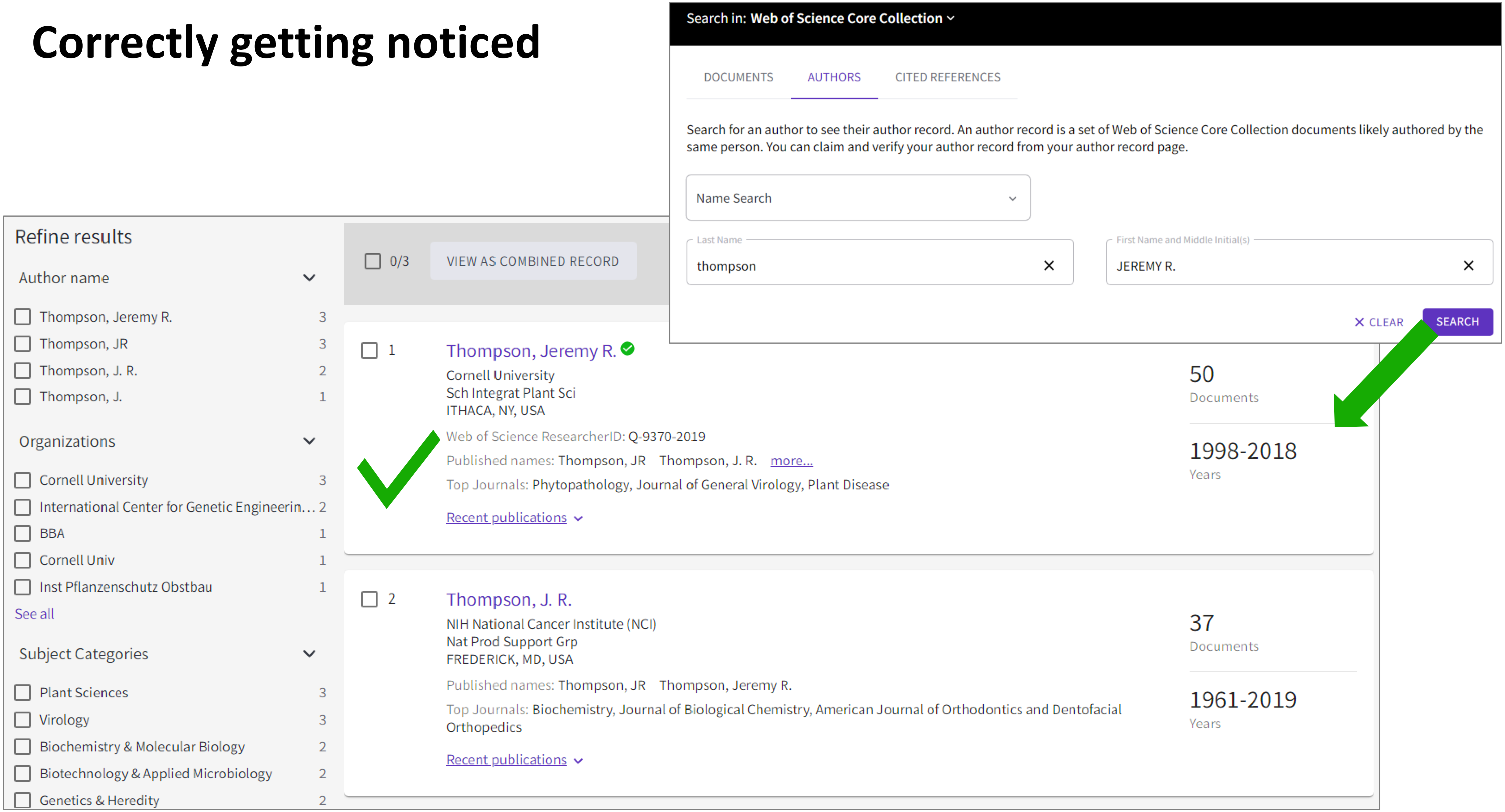
Author	Web of Science ResearcherID	ORCID Number
Thompson, Jeremy R.	Q-9370-2019	http://orcid.org/0000-0003-4015-4058

ARCHIVES OF VIROLOGY
Volume: 157 **Issue:** 3 **Page:** 483-495
DOI: 10.1007/s00705-011-1201-y
Published: MAR 2012
Document Type: Article

Citation Network
In Web of Science Core Collection
43
Citations
Create citation alert
All Citations
46 In All Databases
+ See more citations
Cited References

publons
ORCID
Connecting Research and Researchers

Correctly getting noticed



Search in: **Web of Science Core Collection**

Search for an author to see their author record. An author record is a set of Web of Science Core Collection documents likely authored by the same person. You can claim and verify your author record from your author record page.

Name Search

Last Name: thompson

First Name and Middle Initial(s): JEREMY R.

Refine results

Author name

☐ Thompson, Jeremy R.	3
☐ Thompson, JR	3
☐ Thompson, J. R.	2
☐ Thompson, J.	1

Organizations

☐ Cornell University	3
☐ International Center for Genetic Engineerin…	2
☐ BBA	1
☐ Cornell Univ	1
☐ Inst Pflanzenschutz Obstbau	1

See all

Subject Categories

☐ Plant Sciences	3
☐ Virology	3
☐ Biochemistry & Molecular Biology	2
☐ Biotechnology & Applied Microbiology	2
☐ Genetics & Heredity	2

☐ 0/3 VIEW AS COMBINED RECORD

☐ 1 **Thompson, Jeremy R.** ✓

Cornell University
Sch Integrat Plant Sci
ITHACA, NY, USA

Web of Science ResearcherID: Q-9370-2019

Published names: Thompson, JR Thompson, J. R. more...

Top Journals: Phytopathology, Journal of General Virology, Plant Disease

Recent publications

50 Documents

1998-2018 Years

☐ 2 **Thompson, J. R.**

NIH National Cancer Institute (NCI)
Nat Prod Support Grp
FREDERICK, MD, USA

Published names: Thompson, JR Thompson, Jeremy R.

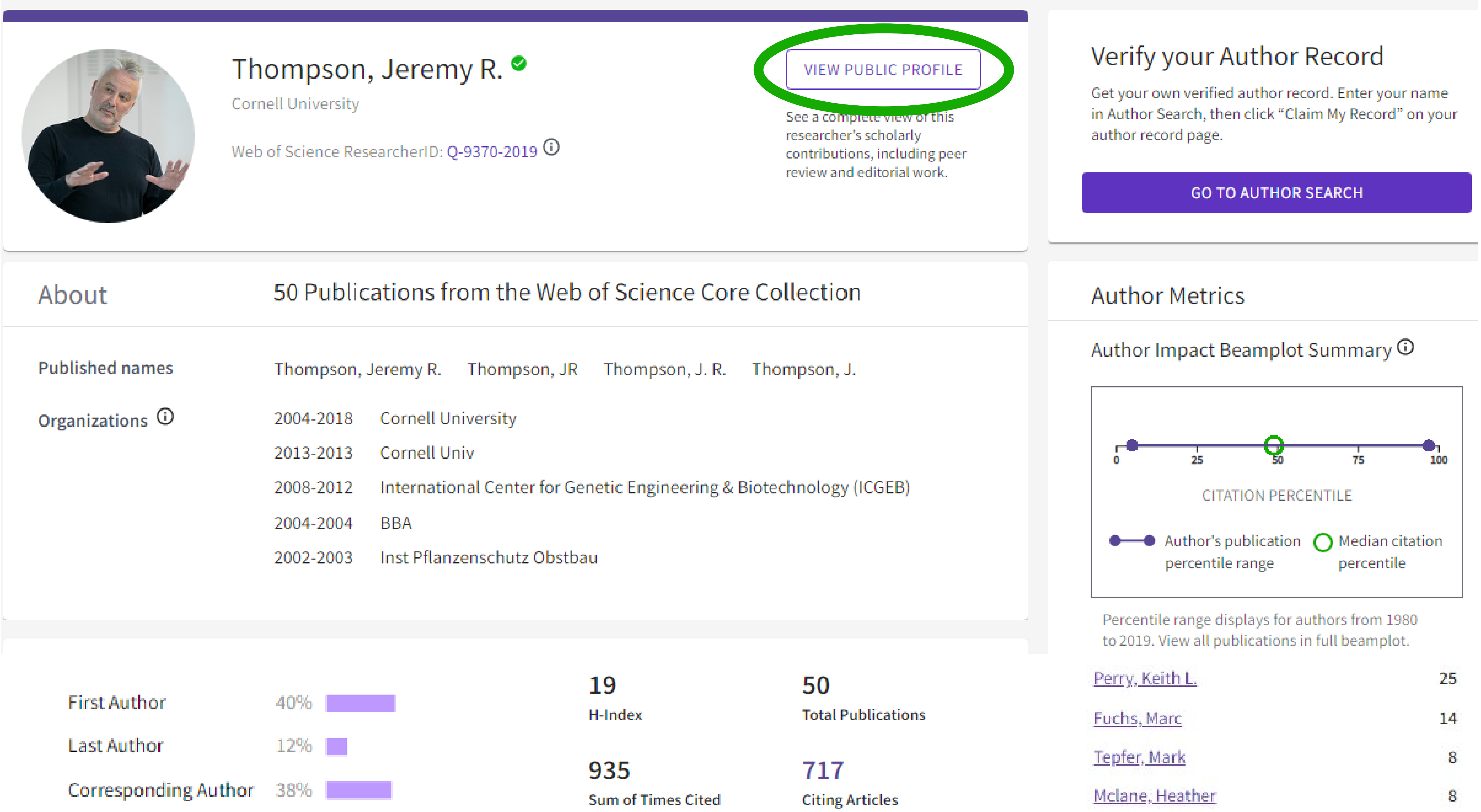
Top Journals: Biochemistry, Journal of Biological Chemistry, American Journal of Orthodontics and Dentofacial Orthopedics

Recent publications

37 Documents

1961-2019 Years

Clarivate™



Thompson, Jeremy R. ✓

Cornell University

Web of Science ResearcherID: Q-9370-2019 ⓘ

See a complete view of this researcher's scholarly contributions, including peer review and editorial work.

Verify your Author Record

Get your own verified author record. Enter your name in Author Search, then click "Claim My Record" on your author record page.

About

50 Publications from the Web of Science Core Collection

Published names

Thompson, Jeremy R.   Thompson, JR   Thompson, J. R.   Thompson, J.

Organizations ⓘ

2004-2018	Cornell University
2013-2013	Cornell Univ
2008-2012	International Center for Genetic Engineering & Biotechnology (ICGEB)
2004-2004	BBA
2002-2003	Inst Pflanzenschutz Obstbau

Author Metrics

Author Impact Beamplot Summary ⓘ

CITATION PERCENTILE

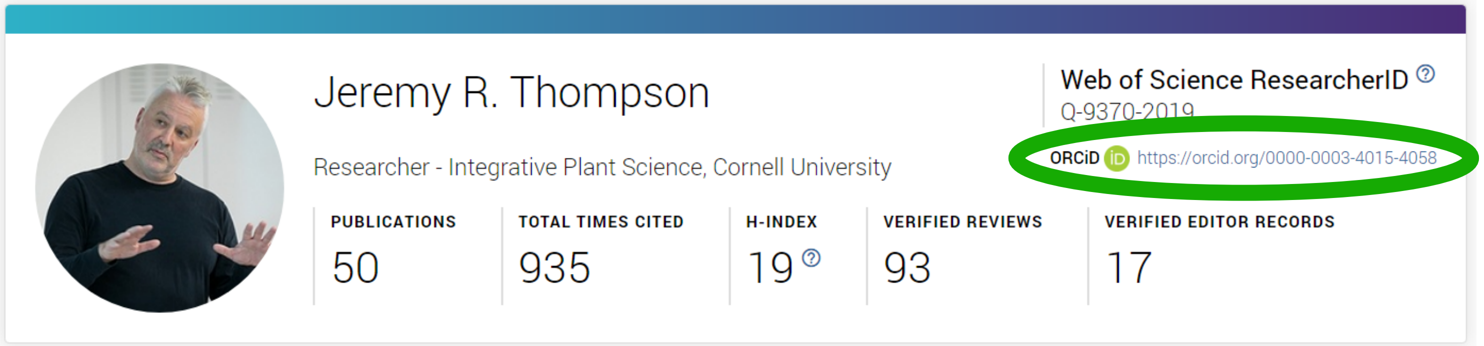
●—● Author's publication percentile range   ○ Median citation percentile

Percentile range displays for authors from 1980 to 2019. View all publications in full beamplot.

First Author	40%
Last Author	12%
Corresponding Author	38%

19 H-Index	50 Total Publications
935 Sum of Times Cited	717 Citing Articles

Perry, Keith L.	25
Fuchs, Marc	14
Tepfer, Mark	8
Mclane, Heather	8



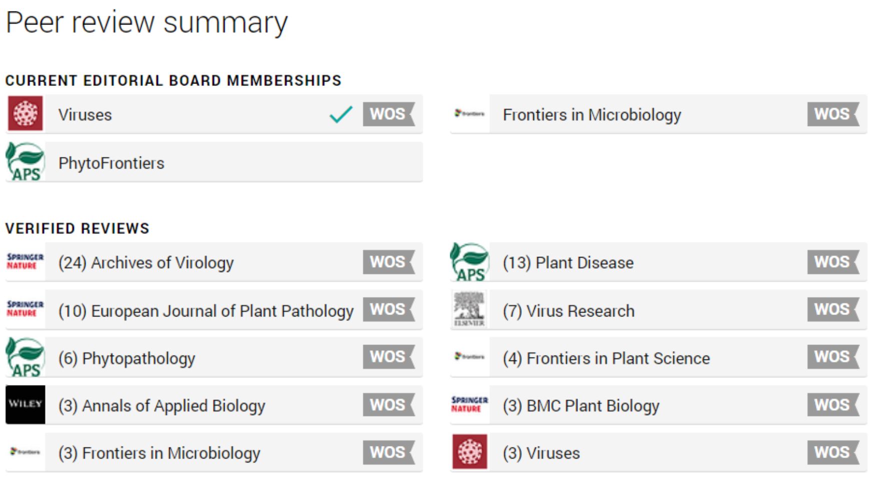
Jeremy R. Thompson

Researcher - Integrative Plant Science, Cornell University

Web of Science ResearcherID ⓘ
Q-9370-2019

ORCiD https://orcid.org/0000-0003-4015-4058

PUBLICATIONS	TOTAL TIMES CITED	H-INDEX	VERIFIED REVIEWS	VERIFIED EDITOR RECORDS
50	935	19 ⓘ	93	17



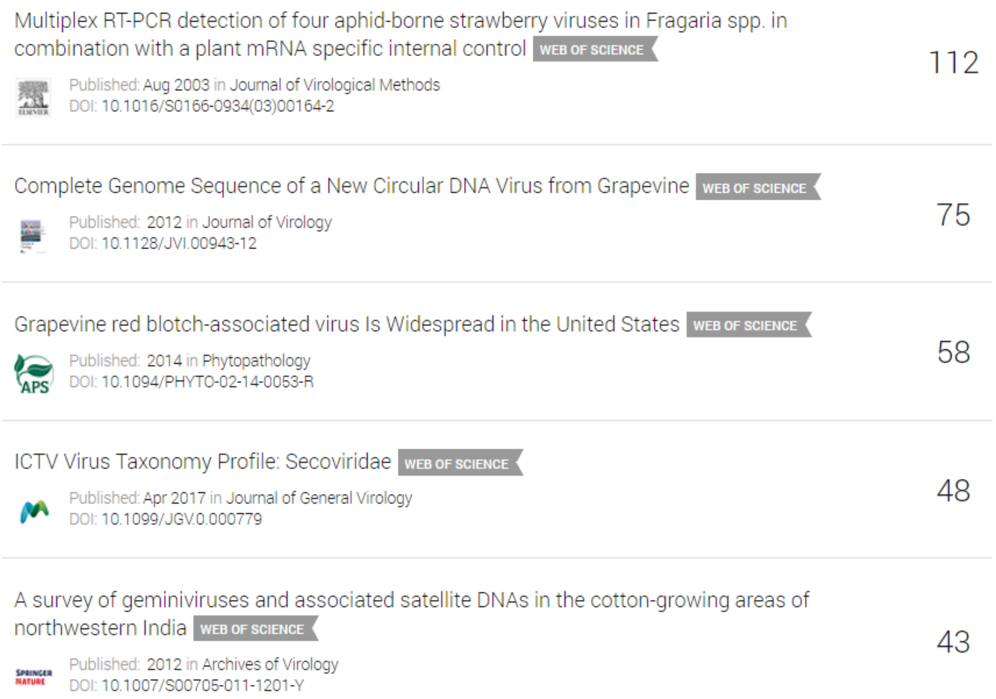
Peer review summary

CURRENT EDITORIAL BOARD MEMBERSHIPS

- Viruses ✓ WOS
- Frontiers in Microbiology WOS
- PhytoFrontiers

VERIFIED REVIEWS

- (24) Archives of Virology WOS
- (13) Plant Disease WOS
- (10) European Journal of Plant Pathology WOS
- (7) Virus Research WOS
- (6) Phytopathology WOS
- (4) Frontiers in Plant Science WOS
- (3) Annals of Applied Biology WOS
- (3) BMC Plant Biology WOS
- (3) Frontiers in Microbiology WOS
- (3) Viruses WOS



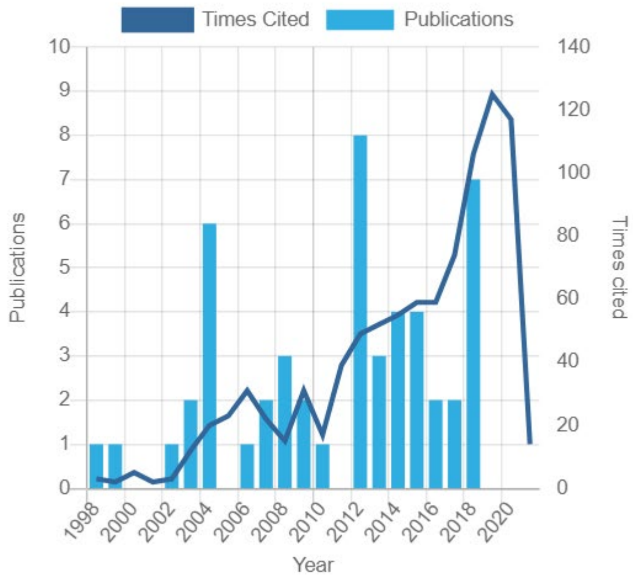
Multiplex RT-PCR detection of four aphid-borne strawberry viruses in Fragaria spp. in combination with a plant mRNA specific internal control WEB OF SCIENCE — 112
Published: Aug 2003 in Journal of Virological Methods
DOI: 10.1016/S0166-0934(03)00164-2

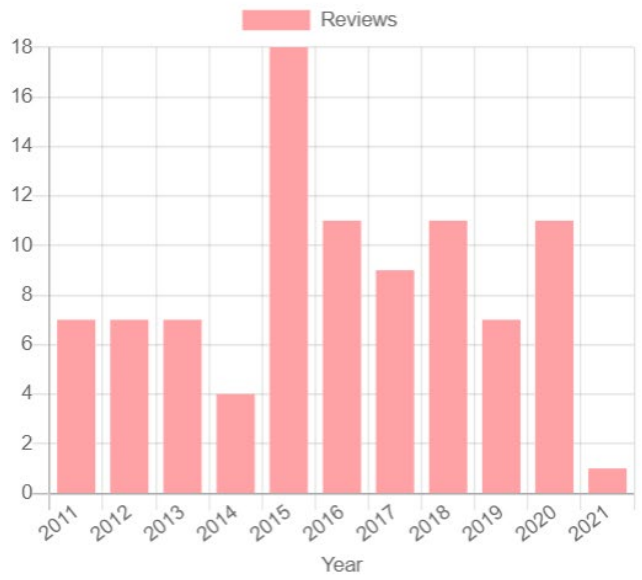
Complete Genome Sequence of a New Circular DNA Virus from Grapevine WEB OF SCIENCE — 75
Published: 2012 in Journal of Virology
DOI: 10.1128/JVI.00943-12

Grapevine red blotch-associated virus Is Widespread in the United States WEB OF SCIENCE — 58
Published: 2014 in Phytopathology
DOI: 10.1094/PHYTO-02-14-0053-R

ICTV Virus Taxonomy Profile: Secoviridae WEB OF SCIENCE — 48
Published: Apr 2017 in Journal of General Virology
DOI: 10.1099/JGV.0.000779

A survey of geminiviruses and associated satellite DNAs in the cotton-growing areas of northwestern India WEB OF SCIENCE — 43
Published: 2012 in Archives of Virology
DOI: 10.1007/S00705-011-1201-Y

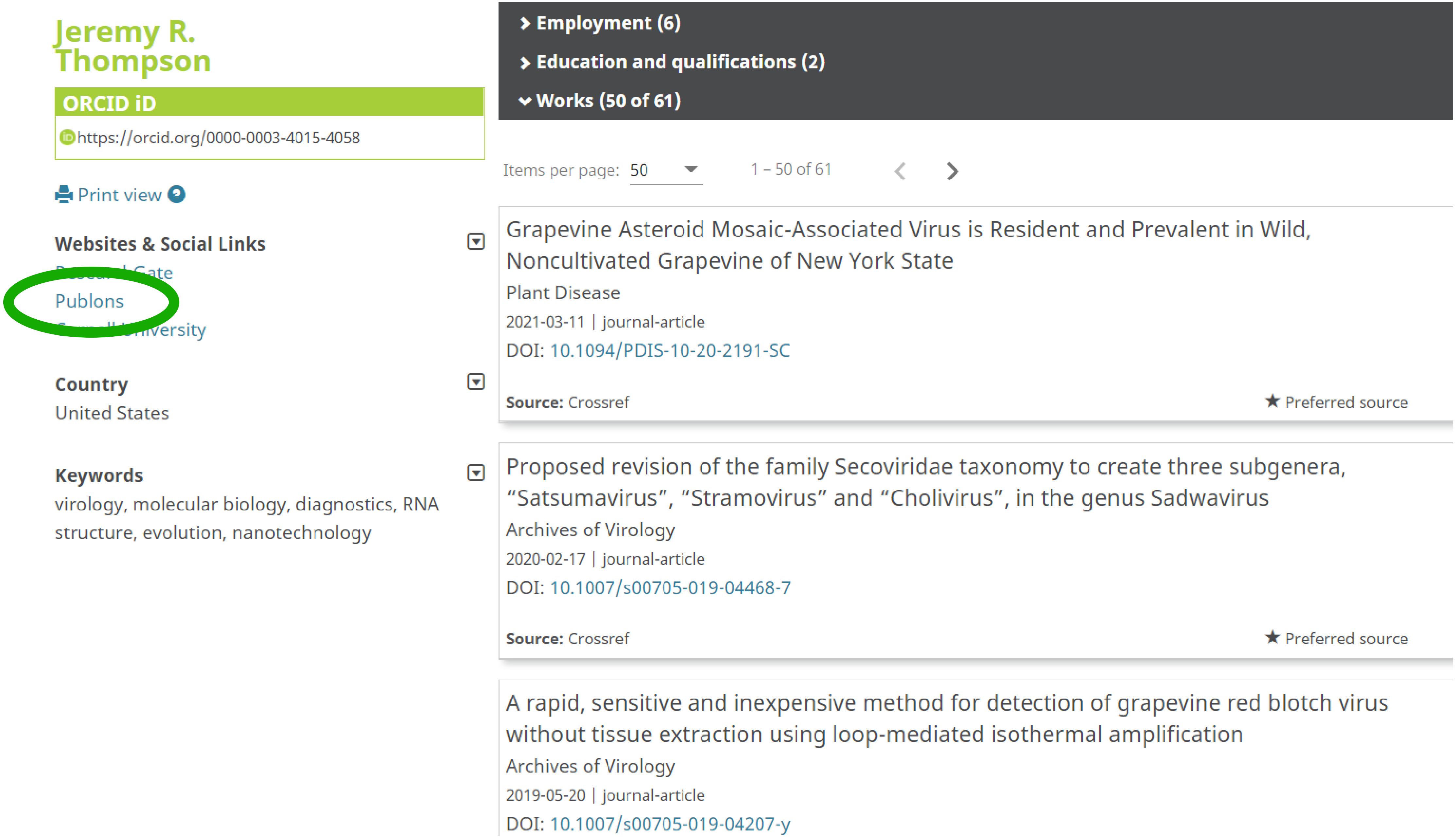




publons

Publons CV
Prepared by Publons on March 26th 2021

Clarivate™



Jeremy R. Thompson

ORCID iD

https://orcid.org/0000-0003-4015-4058

Print view

Websites & Social Links

ResearchGate

Publons

Cornell University

Country

United States

Keywords

virology, molecular biology, diagnostics, RNA structure, evolution, nanotechnology

Employment (6)

Education and qualifications (2)

Works (50 of 61)

Items per page: 50 1 – 50 of 61

Grapevine Asteroid Mosaic-Associated Virus is Resident and Prevalent in Wild, Noncultivated Grapevine of New York State

Plant Disease

2021-03-11 | journal-article

DOI: 10.1094/PDIS-10-20-2191-SC

Source: Crossref ★ Preferred source

Proposed revision of the family Secoviridae taxonomy to create three subgenera, “Satsumavirus”, “Stramovirus” and “Cholivirus”, in the genus Sadwavirus

Archives of Virology

2020-02-17 | journal-article

DOI: 10.1007/s00705-019-04468-7

Source: Crossref ★ Preferred source

A rapid, sensitive and inexpensive method for detection of grapevine red blotch virus without tissue extraction using loop-mediated isothermal amplification

Archives of Virology

2019-05-20 | journal-article

DOI: 10.1007/s00705-019-04207-y

Bringing it all together

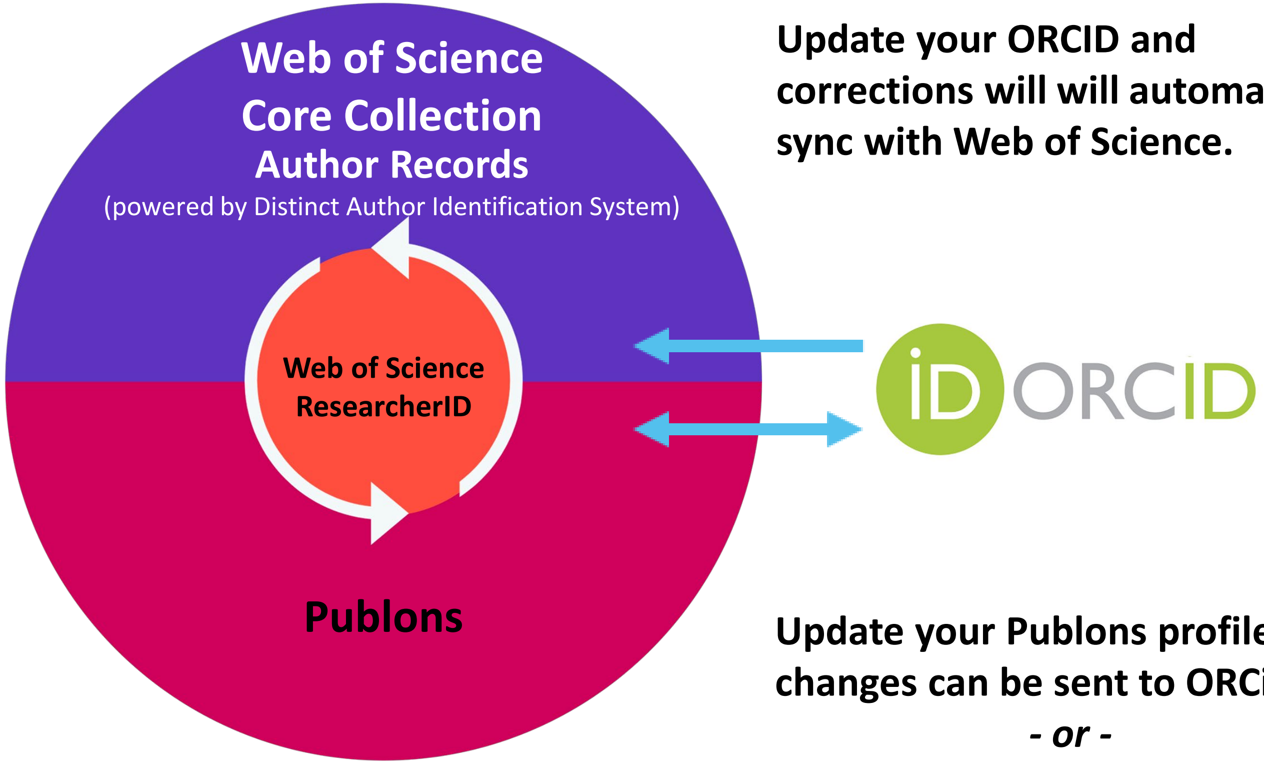
A unique experience for unique author identifiers.

Web of Science / Publons has a unique Identifying number.

Web of Science ResearcherID **links the disambiguated data across systems in a bidirectional relationship.**

Creating a Publons profile will generate a *Web of Science ResearcherID*.

Authors can adjust which Web of Science publications are theirs in Publons and those **changes are automatically reflected in Web of Science.**


Web of Science
Core Collection
Author Records
(powered by Distinct Author Identification System)
Web of Science
ResearcherID
Publons
iD ORCID

An easier way to manage profiles.

Update your ORCID and corrections will will automatically sync with Web of Science.

Update your Publons profile and changes can be sent to ORCiD

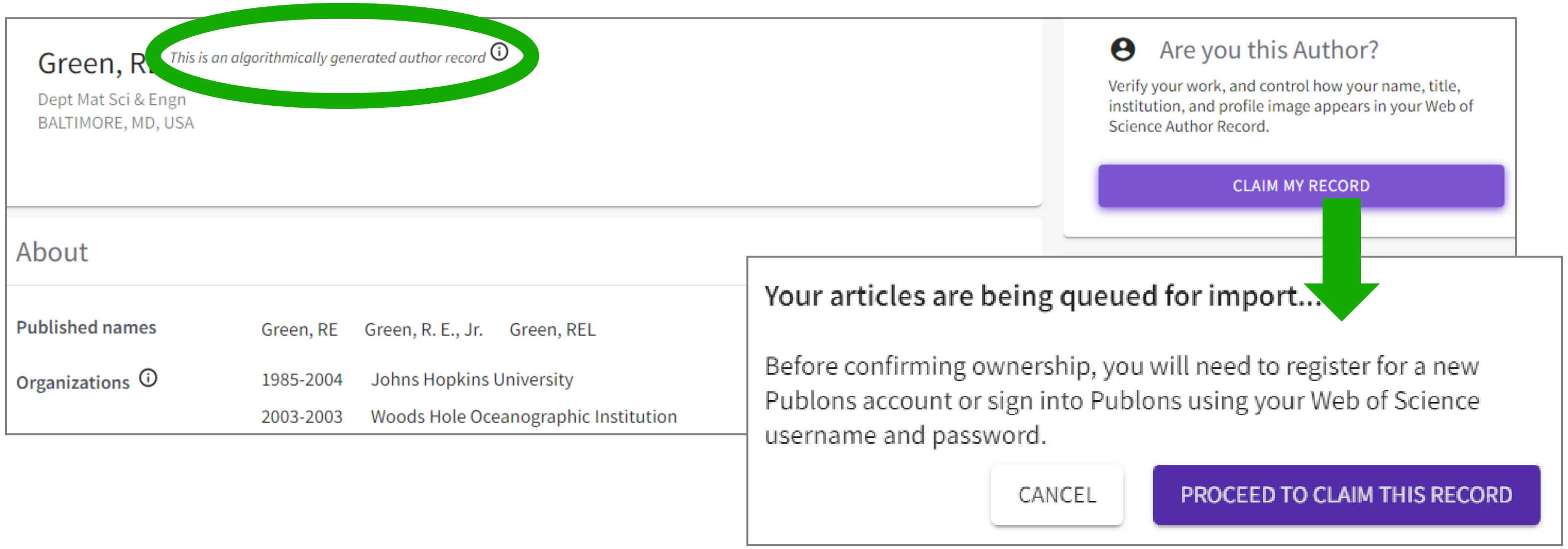
- or -

Update your ORCiD and changes can be sent to Publons.

No Publons Profile?

There are two easy routes to setting up your own Publons Profile:-

- By Claiming your unclaimed Web of Science Author Record (or a combination of several Author Records).
- By creating one from the publons.com site.



Green, R
CLAIM MY RECORD
CANCEL
PROCEED TO CLAIM THIS RECORD

This is an algorithmically generated author record

Dept Mat Sci & Engn
BALTIMORE, MD, USA

About

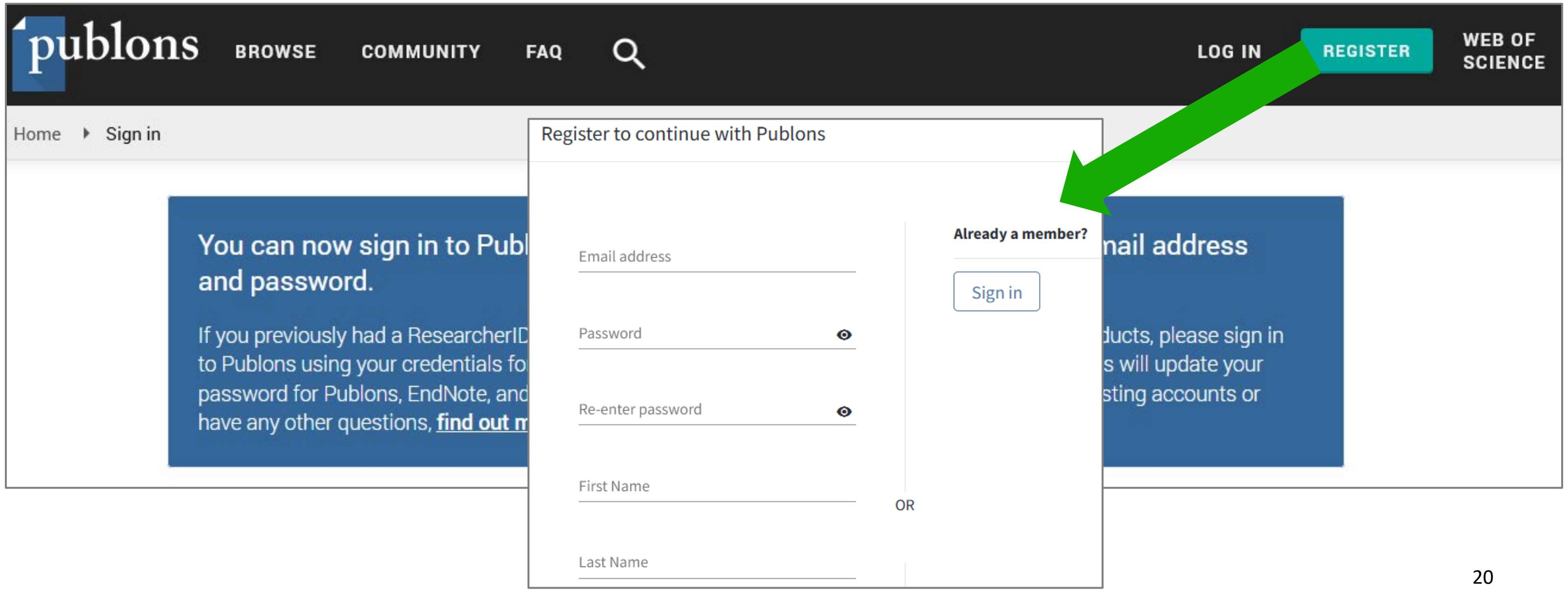
Published names	Green, RE Green, R. E., Jr. Green, REL
Organizations	1985-2004 Johns Hopkins University 2003-2003 Woods Hole Oceanographic Institution

Are you this Author?

Verify your work, and control how your name, title, institution, and profile image appears in your Web of Science Author Record.

Your articles are being queued for import...

Before confirming ownership, you will need to register for a new Publons account or sign into Publons using your Web of Science username and password.



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FAQ
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REGISTER
WEB OF SCIENCE
Home
Sign in
Sign in
OR

Register to continue with Publons

Email address

Password

Re-enter password

First Name

Last Name

Already a member?

You can now sign in to Publ and password.

If you previously had a ResearcherID to Publons using your credentials fo password for Publons, EndNote, and have any other questions, **find out m**

nail address

ducts, please sign in s will update your sting accounts or

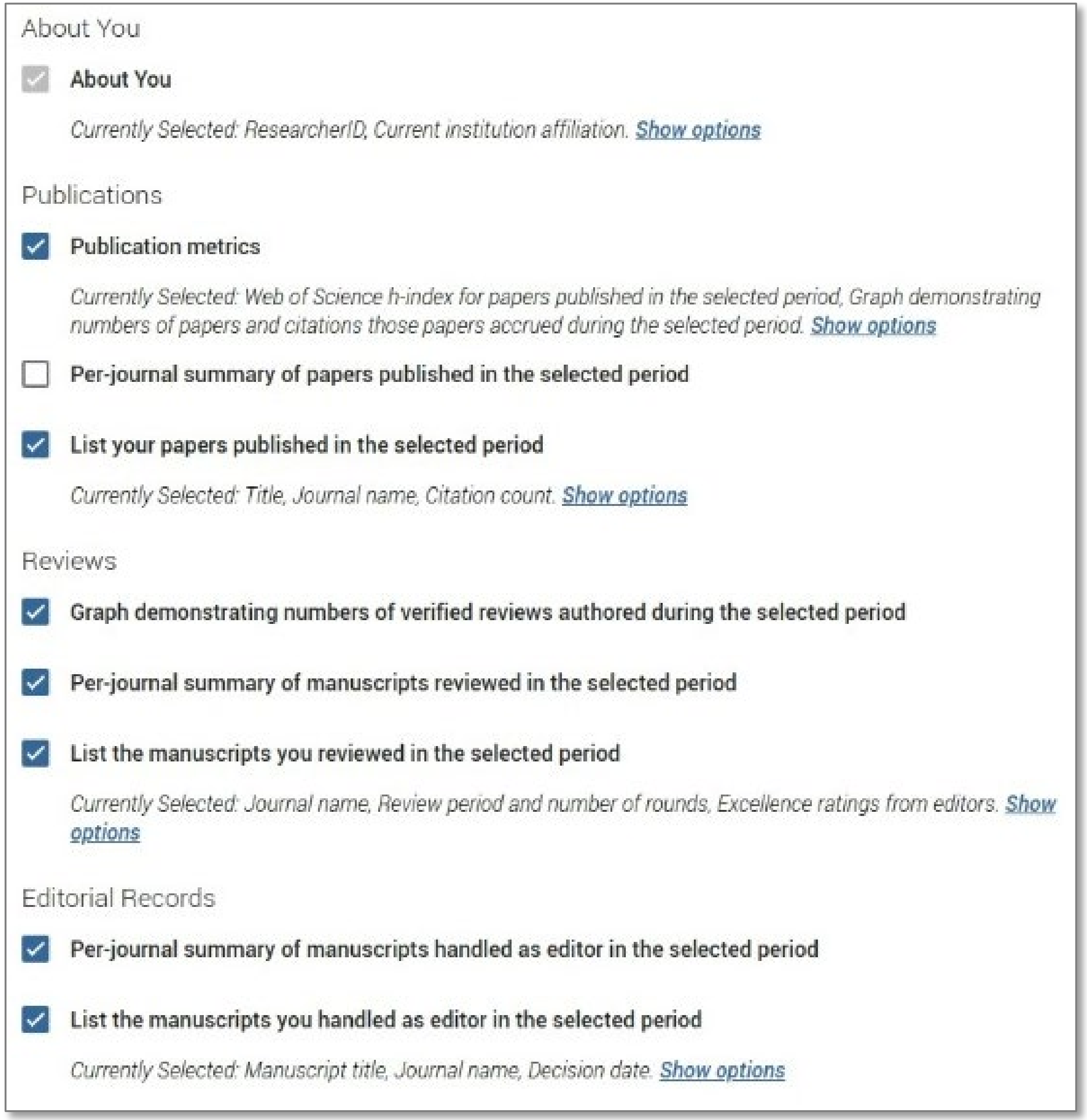
Profile complete – now showcase your work with Publons CV

Individual Evaluations.

Visas to work abroad as an Outstanding Researcher.

Promotion, job, funding and grant applications.

Continuing Education.



About You

☑ **About You**

Currently Selected: ResearcherID, Current institution affiliation. Show options

Publications

☑ **Publication metrics**

Currently Selected: Web of Science h-index for papers published in the selected period, Graph demonstrating numbers of papers and citations those papers accrued during the selected period. Show options

☐ **Per-journal summary of papers published in the selected period**

☑ **List your papers published in the selected period**

Currently Selected: Title, Journal name, Citation count. Show options

Reviews

☑ **Graph demonstrating numbers of verified reviews authored during the selected period**

☑ **Per-journal summary of manuscripts reviewed in the selected period**

☑ **List the manuscripts you reviewed in the selected period**

Currently Selected: Journal name, Review period and number of rounds, Excellence ratings from editors. Show options

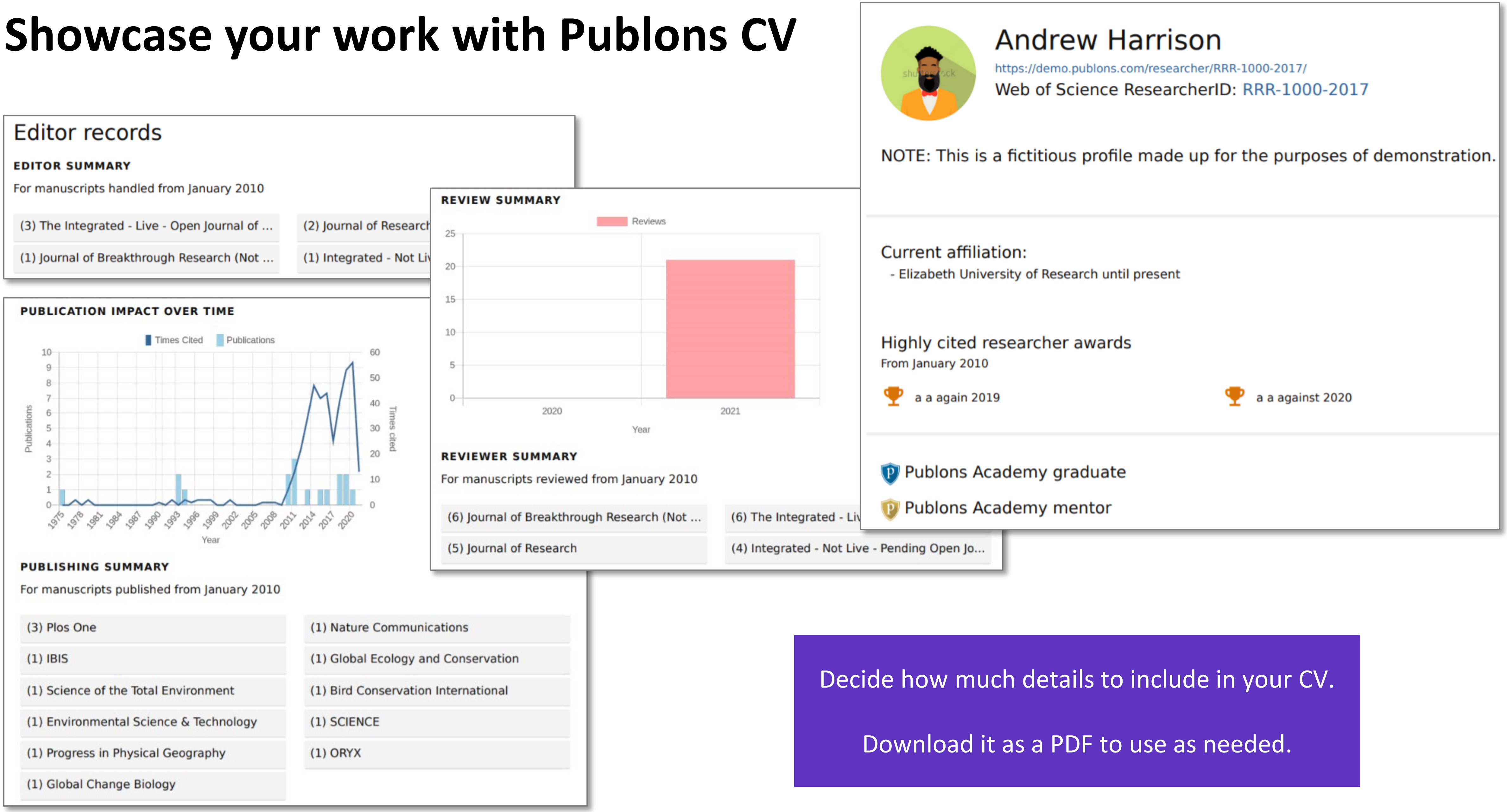
Editorial Records

☑ **Per-journal summary of manuscripts handled as editor in the selected period**

☑ **List the manuscripts you handled as editor in the selected period**

Currently Selected: Manuscript title, Journal name, Decision date. Show options

Showcase your work with Publons CV



Andrew Harrison

https://demo.publons.com/researcher/RRR-1000-2017/

Web of Science ResearcherID: RRR-1000-2017

NOTE: This is a fictitious profile made up for the purposes of demonstration.

Current affiliation:

- Elizabeth University of Research until present

Highly cited researcher awards

From January 2010

a a again 2019

a a against 2020

Publons Academy graduate

Publons Academy mentor

Editor records

EDITOR SUMMARY

For manuscripts handled from January 2010

(3) The Integrated - Live - Open Journal of ...

(2) Journal of Research

(1) Journal of Breakthrough Research (Not ...

(1) Integrated - Not Li

REVIEW SUMMARY

Reviews
25
20
15
10
5
0
2020
2021
Year

REVIEWER SUMMARY

For manuscripts reviewed from January 2010

(6) Journal of Breakthrough Research (Not ...

(6) The Integrated - Liv

(5) Journal of Research

(4) Integrated - Not Live - Pending Open Jo...

PUBLICATION IMPACT OVER TIME

Times Cited
Publications
Publications
Times cited
10
9
8
7
6
5
4
3
2
1
0
60
50
40
30
20
10
0
1975
1978
1981
1984
1987
1990
1993
1996
1999
2002
2005
2008
2011
2014
2017
2020
Year

PUBLISHING SUMMARY

For manuscripts published from January 2010

(3) Plos One	(1) Nature Communications
(1) IBIS	(1) Global Ecology and Conservation
(1) Science of the Total Environment	(1) Bird Conservation International
(1) Environmental Science & Technology	(1) SCIENCE
(1) Progress in Physical Geography	(1) ORYX
(1) Global Change Biology	

Decide how much details to include in your CV.

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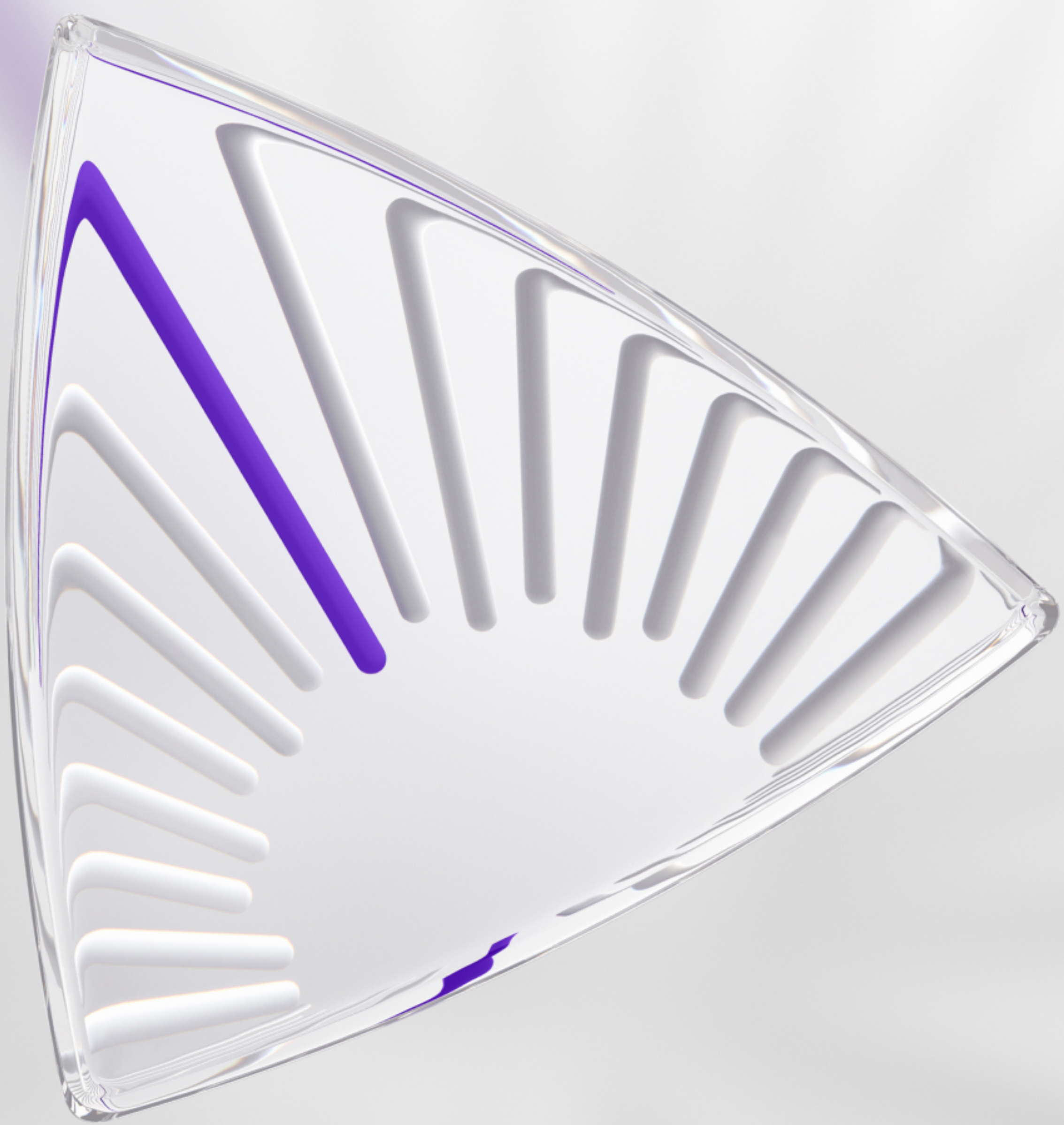
Thank you



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