



ELSEVIER

Leveraging SciVal for Strategic Research Performance Analysis

November 2025

Changseok Shin, Customer Success Consultant(SME)

Elsevier



Agenda

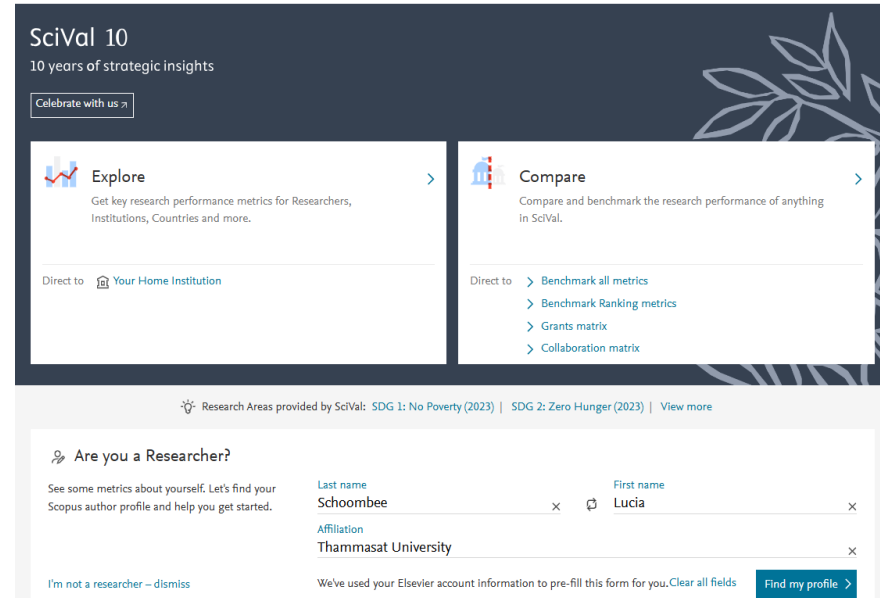
- Introduction to SciVal
- Overview of key metrics
- World University Rankings
- Live demonstration
 - Identifying your institution's research strengths
 - Defining custom groups and evaluating their performance
 - Creating and sharing reports
- SciVal New Features and Updates
- Q&A

Intro to SciVal



What is SciVal?

- SciVal is a web-based analytics solution for **academic/research** organisations
- SciVal offers **tools and metrics** to help researchers, organisations, and funding bodies assess research performance, track trends, identify collaboration opportunities, and make strategic decisions.
- SciVal aims to empower institutions to **strategically** advance research excellence and impact by harnessing data-driven insights to overcome key challenges.

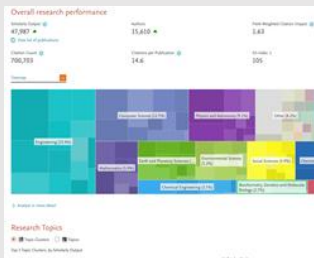


SciVal Use Cases

Insightful analyses to inform research strategy and enhance research success

Visualize research performance

Ready-made-at a glance snapshots of any entity of interest



Benchmark your progress

Flexibility to create and compare any research group or entity of interest



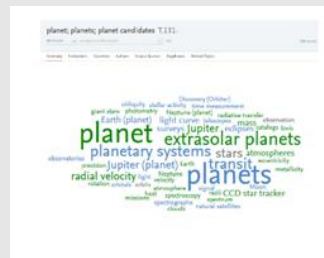
Develop collaborative partnerships

Identify and analyze existing and potential collaboration opportunities



Analyze research trends

Analyze research trends to discover the top performers and rising stars



Showcase your impact

Uncover and demonstrate the broader impact of your research on society



Which Data Sources Feed Into SciVal?

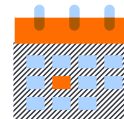


Data sources

Default data source	up to 31 Jan 2024
Scopus	
Views data source	up to 31 Jan 2024
Scopus	
Policy data source	up to 05 Jan 2024
Overton	
Media Source-type	up to 09 Jan 2024
LexisNexis Metabase	
Funding data	up to 01 Feb 2024
Learn more	
Patent data	up to 31 Jan 2024
Learn more	

The **Data Sources** button in the Heading opens a side panel with more information about data sources and their respective update schedules.

SciVal receives a **Weekly Update** of new data from Scopus. Other data types each have a different update schedule.



Key metrics available in SciVal



SciVal's array of metrics and analyses

Metric theme	Metric sub-theme	Metrics in SciVal	
A. Resources	Competitive project funding	- Awards Value - Annualised Awards Value - Awards Count - Median Amount	- Funding per Topic - Resulting publications - Awardee role
	Talent (Human Capital)	Author Profile Research Indicators	
B. Knowledge Created (Outputs)	Productivity of research outputs	- Scholarly Output - Number, Type and Growth, Open Access - Subject Area Count	
	Visibility of communication channels	- Publications in Top Journal Percentiles - CiteScore	
C. Knowledge Created (excellence and Impact in academia)	Research influence	- Citations Count - Field-Weighted Citation Impact - Outputs in Top Citations Percentiles - Citations per publication - Cited publications <i>h</i>-indices	- Research Field/Topic Prominence - Number of citing countries - Views Count - Outputs in Top Views Percentiles - Views per Publication - Field-Weighted Views Impact
D. Knowledge Creation Process	Academic network	- Collaboration (International, National, Institute, single author) and collaboration Impact - Inter- and multi-disciplinarity	
E. Broader Outcomes & Impact on society	Technological & Economic impact, Knowledge & Tech transfer	- Academic-Corporate Collaboration and Impact - Academic-Medical Collaboration and Impact - Academic-Government collaboration and Impact	- Patents Count - Scholarly Output cited by Patents - Patent Citations Count - Patent-Citations per Scholarly Output
	Societal and political impact, Public Governance, Knowledge transfer	- Scholarly Output cited by Policy - Citing Policy Documents - Citing Policy Bodies	- Policy Citations - Citing Policy Body Countries - United Nations SDGs Relative Activity
F. Rankings	University and Impact Rankings	- THE World University Rankings bibliometrics - QS World University Rankings bibliometrics	- THE Impact Rankings bibliometrics - U.S. News Best National Universities bibliometrics

Researcher Impact Metric: h-Index

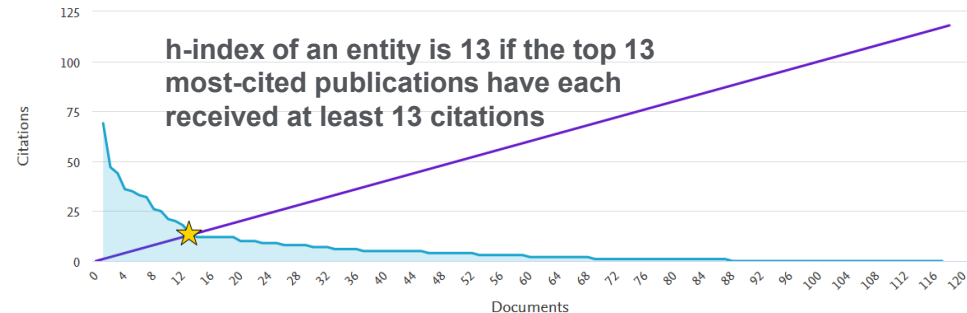
- Indicate a balance between the productivity (Scholarly Output) and citation impact (Citation Count) of an entity's publications
- h-index is the largest number such that the paper ranked h has at least h citations.
- h5-index uses a 5-year publication and citation window on the standard h-index calculation

No	Citations
1	134
2	69
3	43
4	42
5	39
6	31
7	29
8	28
9	28
10	20
11	18
12	15
13	13
14	10
...	...

This author's *h*-index

13

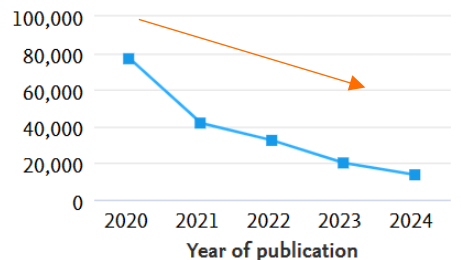
The *h*-index is based upon the number of documents and number of citations.



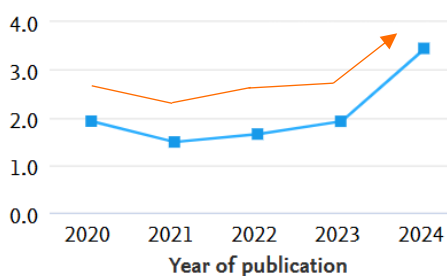
Publications Impact Metric: Field Weighted Citation Impact (FWCI)

- The Field-Weighted Citation Impact (FWCI) measures how well a publication is cited compared to the average for similar publications.
- Similar publications are those publications in the Scopus database that have the same publication year, publication type, and discipline.
- Field-Weighted Citation Impact of “World”, or the entire Scopus database, is 1.00.
- A Field-Weighted Citation Impact of more than 1.00 indicates that the entity’s publications have been cited more than would be expected based on the global average for similar publications; Ex) FWCI 1.34 means 34% more than the world average

Citation Count ①



Field-Weighted Citation Impact ①



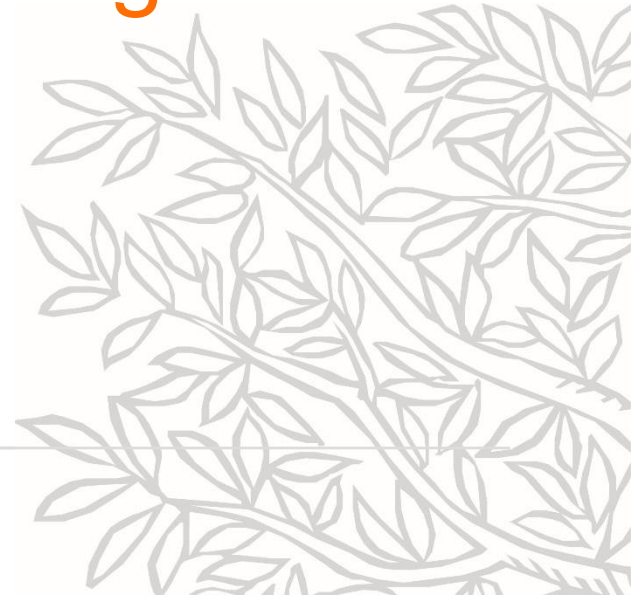
*FWCI Mathematical notation

$$\text{FWCI of Publication P(1)} = \frac{\text{Citations of P(1)}}{\text{Global average citations with the same year, subject area, and document type as P(1)}}$$

$$\text{FWCI of publication group P(1)-P(N)} = \frac{\text{Sum of FWCI for P(1), P(2) ... P(N)}}{N}$$

*Source: Elsevier Research Metrics Guidebook

Research impact for QS and THE World University Ranking



Elsevier's position on university rankings and metrics in general

All rankings have their strengths and potential disadvantages and we do not rank the rankings!

- We believe in working on fundamentals with a “*basket of indicators*”, always as a complement to peer opinion
- Informed decisions are better decisions
- Metrics should complement, not replace human judgment
- Well-selected metrics drive positive behaviors
- Metrics does not only mean bibliometrics
- Metrics can help monitor and eliminate biases
- Assessments are costly, but availability of new tools help bring cost down
- Data sources to cover humanities are becoming more complete



Bibliometric data providers vs. ranking agencies

Elsevier - Scopus

Clarivate – Web of Science

Main



BCUR



SHANGHAI RANKING



Other



遠見 · 天下文化 事業群
Global Views - Commonwealth Publishing Group



Frankfurter Allgemeine
ZEITUNG FÜR DEUTSCHLAND



QS WUR

Uses Scopus since 2007

Data provided:

Scopus raw data

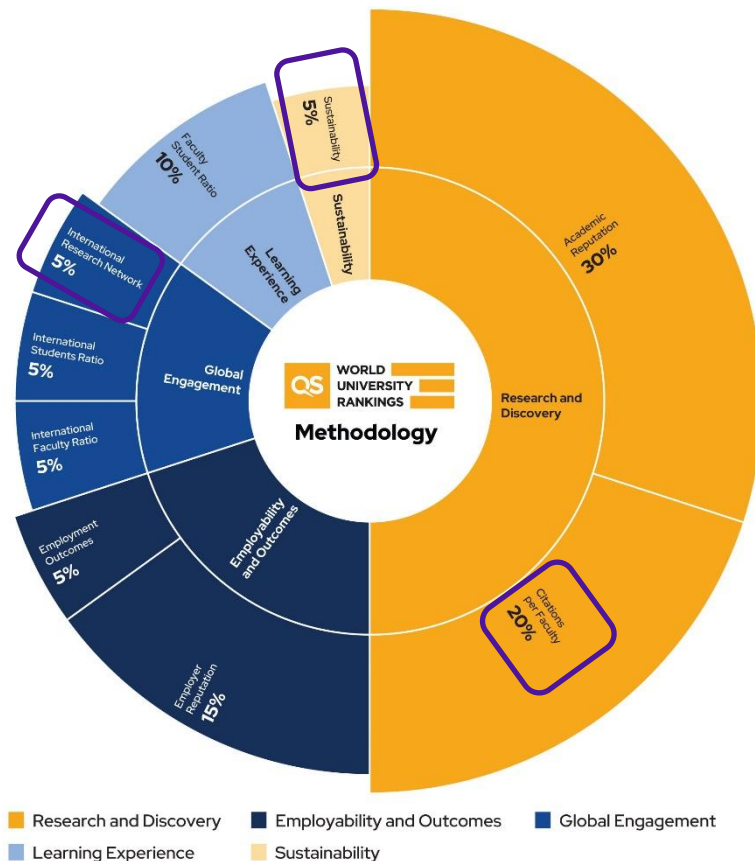
Sharing SciVal institution profiles

(Re)classification of multidisciplinary articles

Affiliations: Scopus profiles

(Elsevier support is provided at the level of Scopus data corrections incl. those related to affiliations)

Citations per Faculty – 20%
International Research Network
(IRN) – 5%
Sustainability – 5%



THE WUR

40% of the Overall ranking score from Elsevier (THE WUR)

World University Rankings 2024

The Times Higher Education World University Rankings 2024 include 1,904 universities across 108 countries and regions.

The table is based on our new WUR 3.0 methodology, which includes 18 carefully calibrated performance indicators that measure an institution's performance across five areas: teaching, research environment, research quality, industry, and international outlook.

Read more...

IN PARTNERSHIP WITH
ELSEVIER

2024

How to

Show me universities best for overall ▼ in any country / region ▼ offering any s

Or, find specific universities by name

RANKING		SCORES			
Rank	Name Country/Region	No. of FTE Students	No. of Students per staff	International Students	Female:Male Ratio
1	University of Oxford United Kingdom	21,750	10.9	42%	49 : 51
2	Stanford University United States	14,517	6.4	23%	47 : 53
3	Massachusetts Institute of Technology United States	11,085	8.0	33%	41 : 59
4	Harvard University United States	20,050	9.0	25%	51 : 49

Read more about
Rankings 2024

STUDENT INSIGHT

Best universities in the
World University Rankings 2024

Best universities in the
World University Rankings 2024

Best universities in the
World University Rankings 2024

ACADEMIC INSIGHT

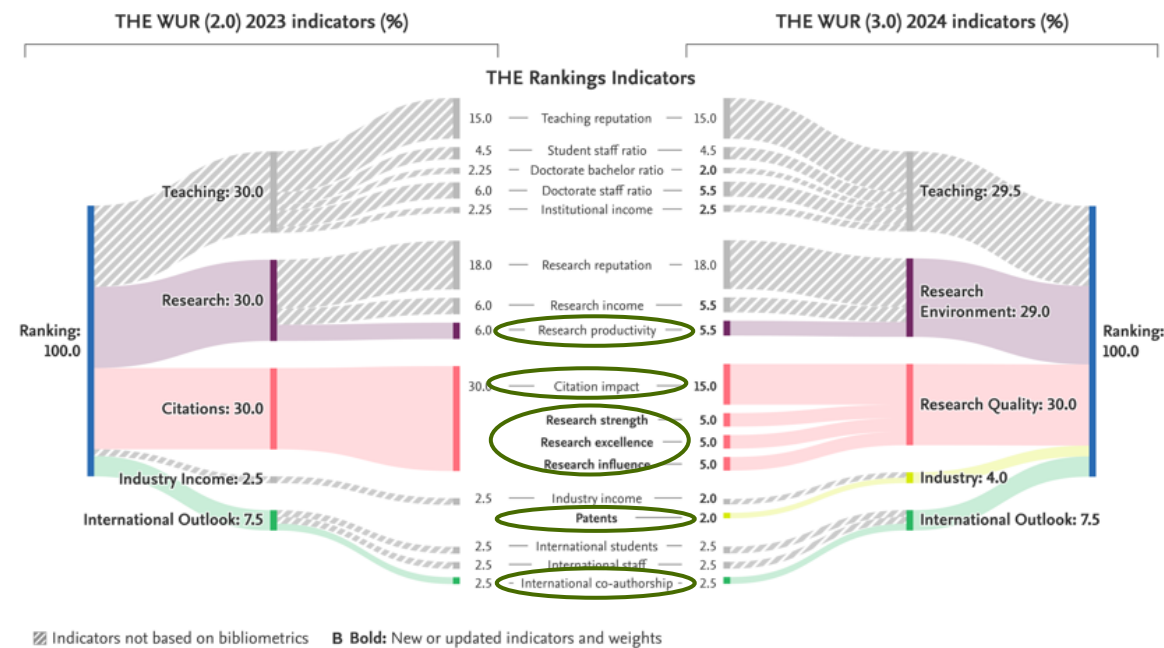
World University Rankings 2024 announced

World University Rankings 2024

World University Rankings 2024
ranked to top 10

METHODOLOGY

Bibliometrics-based Indicators Only

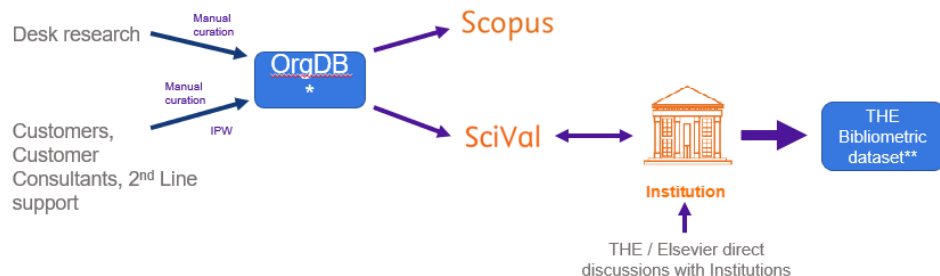




Key factors affecting Rankings

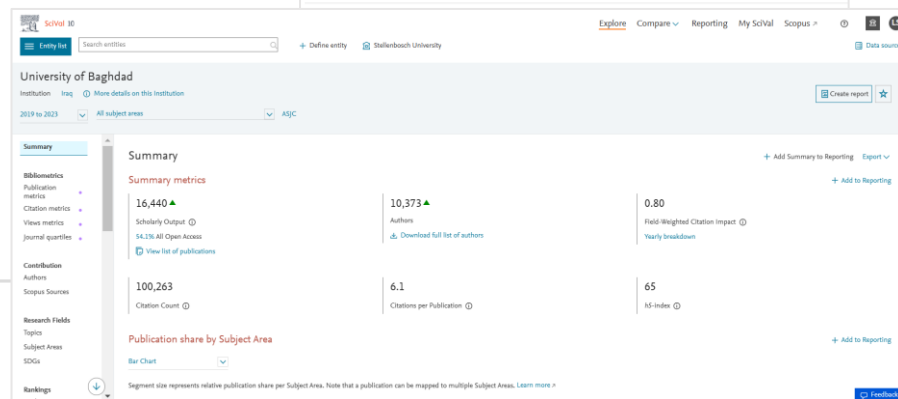
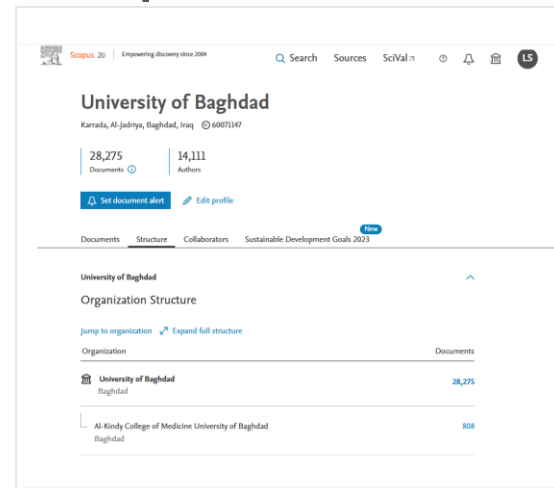
The importance of accurate institution profiles

The bibliometric dataset ultimately sent to Ranking organizations is determined through the SciVal Institution profiles which are built with the Scopus institutional profiles as their foundation



*OrgDB – Elsevier’s central underlying database of “organisations” and relationships between these organisations

** The bibliometric dataset is provided to THE by Analytical Services



About Affiliation Profiles in Scopus and Institution Profile Wizard:

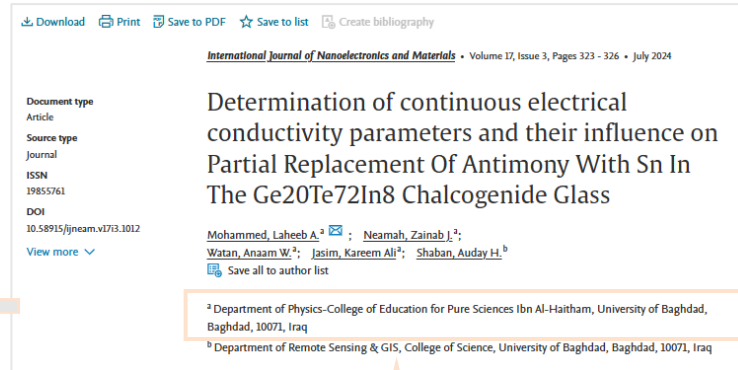
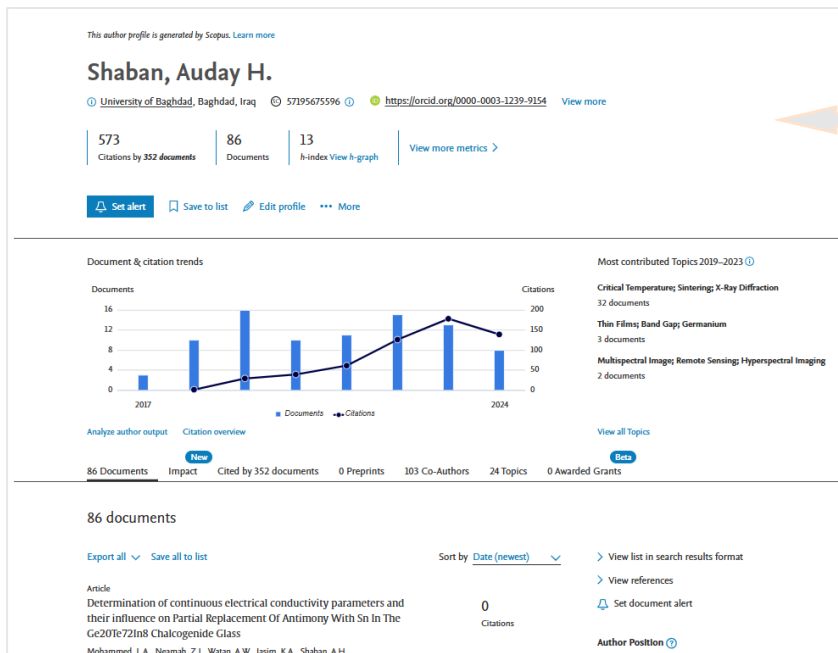
https://service.elsevier.com/app/answers/detail/a_id/25554/supporthub/scopus/



Publication attribution

Institution name, Department / Faculty,

Address including country, Author details, ORCID



Determination of continuous electrical conductivity parameters and their influence on Partial Replacement Of Antimony With Sn In The Ge₂₀Te₇₂In₈ Chalcogenide Glass

Laheeb A. Mohammed ^{a,*}, Zainab J. Neamah ^a, Anaam W. Watan^a, Kareem Ali Jasim ^a and, Auday H. Shaban ^b

^a Department of Physics-College of Education for Pure Sciences Ibn Al-Haitham, University of Baghdad, Baghdad 10071, Iraq

^b Department of Remote Sensing & GIS, College of Science, University of Baghdad, Baghdad 10071, Iraq

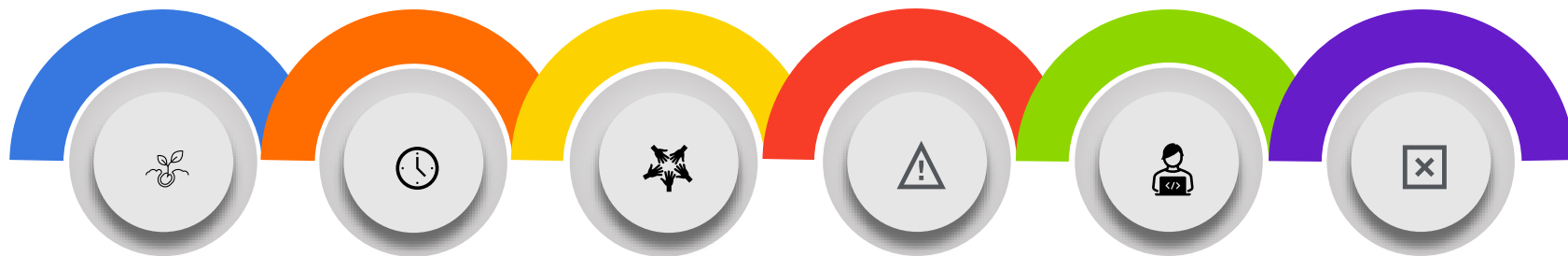
* Corresponding author. Tel.: +9647818253987; e-mail: laheeb.a.m@ihcoedu.uobaghdad.edu.iq

Received 11 November 2022, Revised 2 December 2023, Accepted 7 March 2024

ABSTRACT

In the present work, the changes in electrical conductivity upon partial replacement of antimony by Tin (Sn) in the ternary alloy prepared by the molten cooling method were synthesized and studied. The electrical measurements were performed on Ge₂₀Te₇₂In₈Sn_x Chalcogenide glass alloy with x = 0, 2, 4, and 6. The dark conductivity (σ_d) increases with the increase in temperature in all the samples under the experiment. Observations of data were made at low (300 – 335K), medium (335 – 365K), and high temperatures (365 – 400K) across three distinct regions regarding electrical conductivity. For each of the three conduction regions, the factor that precedes the exponent and the effective energies were calculated using electrical conductivity measurements as a function of

Key Research Activities Influencing Rankings



Quality of Research

Innovative and Original Work
Research that presents novel findings, theories, or methods tends to attract more citations.

Research Relevance and Timeliness:

Research that tackles contemporary and high-impact problems is often cited more

*International Collaborations:

Research involving international partnerships tends to receive higher citations due to wider exposure.

Publication in High-Impact Journals:

Articles in widely-read journals are more likely to be noticed and cited.

Collaboration with Industry:

Research with practical applications that engage industry and government stakeholders can attract citations from both academic and non-academic sources.

*Interdisciplinary Science:

There is evidence suggesting a correlation between interdisciplinary science and higher citation rates, although the relationship is complex and varies across disciplines.

*Kato, M., & Ando, A. (2013). The relationship between research performance and international collaboration in chemistry. *Scientometrics*, 97, 535-553.

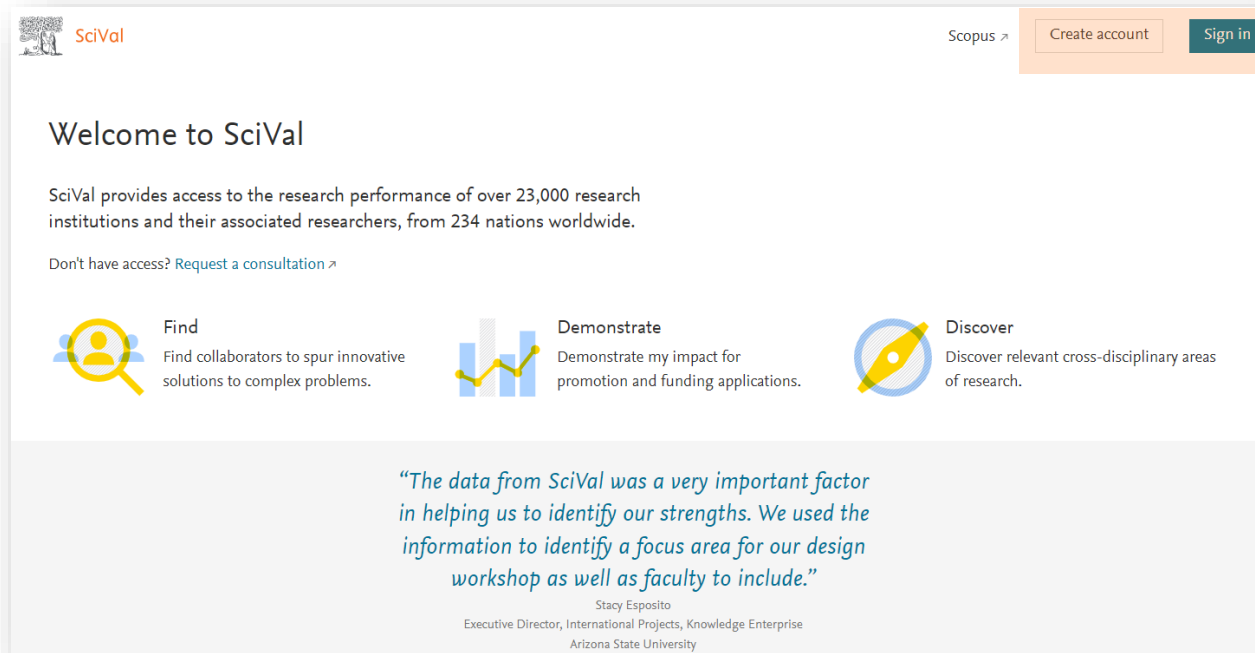
**Chen, S., Arsenault, C., & Larivière, V. (2015). Are top-cited papers more interdisciplinary?. *Journal of Informetrics*, 9(4), 1034-1046.

University Research Strategy and Rankings

- University research strategy should be driven by:
 - Generating exciting new knowledge and establishing new capabilities
 - Addressing societal challenges and making a positive impact on your local community, country and the world.
 - Developing tomorrow's research leaders and providing students with an outstanding training experience
 - Inspiring the next generation

Being successful in rankings should be the consequences of an excellent strategy not the driver for it

Access SciVal at www.scival.com



The screenshot shows the SciVal website homepage. At the top left is the SciVal logo. At the top right are links for "Scopus >", "Create account", and "Sign in". The main heading is "Welcome to SciVal". Below this, a paragraph states: "SciVal provides access to the research performance of over 23,000 research institutions and their associated researchers, from 234 nations worldwide." A link "Don't have access? Request a consultation >" is provided. Three main features are highlighted with icons: "Find" (magnifying glass over people) with the text "Find collaborators to spur innovative solutions to complex problems.", "Demonstrate" (bar chart with a line graph) with the text "Demonstrate my impact for promotion and funding applications.", and "Discover" (pen nib in a circle) with the text "Discover relevant cross-disciplinary areas of research." At the bottom, a quote is displayed: "The data from SciVal was a very important factor in helping us to identify our strengths. We used the information to identify a focus area for our design workshop as well as faculty to include." The quote is attributed to Stacy Esposito, Executive Director, International Projects, Knowledge Enterprise, Arizona State University.

SciVal

Scopus >

Create account

Sign in

Welcome to SciVal

SciVal provides access to the research performance of over 23,000 research institutions and their associated researchers, from 234 nations worldwide.

Don't have access? [Request a consultation >](#)



Find
Find collaborators to spur innovative solutions to complex problems.



Demonstrate
Demonstrate my impact for promotion and funding applications.



Discover
Discover relevant cross-disciplinary areas of research.

"The data from SciVal was a very important factor in helping us to identify our strengths. We used the information to identify a focus area for our design workshop as well as faculty to include."

Stacy Esposito
Executive Director, International Projects, Knowledge Enterprise
Arizona State University



Go Live

Demo

What are SciVal Topics and Topics Cluster, Topics of Prominence



Introducing Topics of Prominence

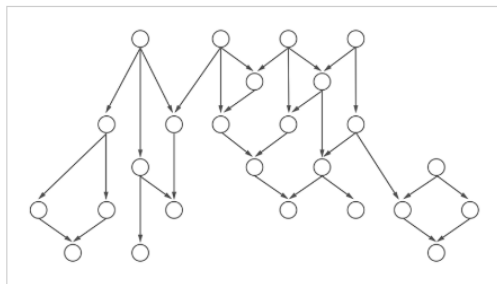
What is a topic?

A Topic is a collection of documents with a common intellectual interest and can be large or small, new or old, growing or declining. Over time, new Topics will surface, and as Topics are dynamic they will evolve. Topics are multidisciplinary, and old Topics may be dormant but they still exist. In addition, researchers themselves are mobile, and work in various different research areas, and thereby contribute to multiple Topics.

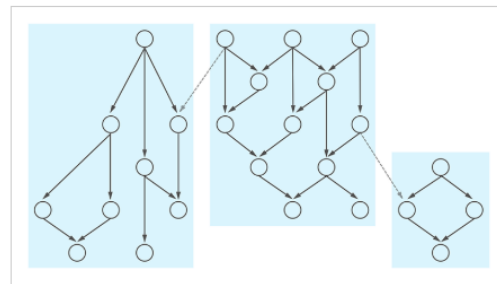
Scopus publications are clustered into Topics based upon a direct citation analysis.

96,000 topics and 1,500 topic clusters

Are available in SciVal



All Scopus publications are clustered into Topics using direct citation analysis (as opposed to co-citation analysis).



The borders between clusters (Topics) are identified by looking at where the citation links are weak. Where the links are weak, the clusters are split into separate Topics.



For more information please visit <https://www.elsevier.com/solutions/scival/releases/topic-prominence-in-science>

What is prominence?

Calculating a Topic's Prominence combines three metrics to indicate the momentum of the Topic:

1. Citation Count in year n to papers published in n and $n-1$
2. Scopus Views Count in year n to papers published in n and $n-1$
3. Average CiteScore for year n

Prominence does not signify 'Importance'

Due to the nature of certain research fields there are Topics which, will never become "Prominent", however this is not mutually exclusive with the Topic not being important. Prominence is an **indicator of momentum/movement or visibility** of a particular Topic.



For more information please visit <https://www.elsevier.com/solutions/scival/releases/topic-prominence-in-science>

Define Researchers and Groups



Why tracking research group performance is important?



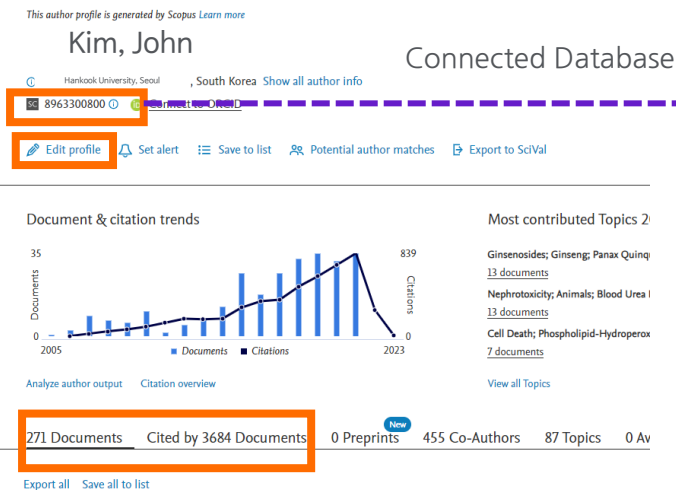
- Allocating resources and strategic planning
- Informed Hiring and Talent Strategy
- Driving collaboration
- Showcasing impact
- Early Identification of Challenges etc.

SciVal empowers institutions to monitor group productivity, benchmark departments, and support informed decision-making at every level

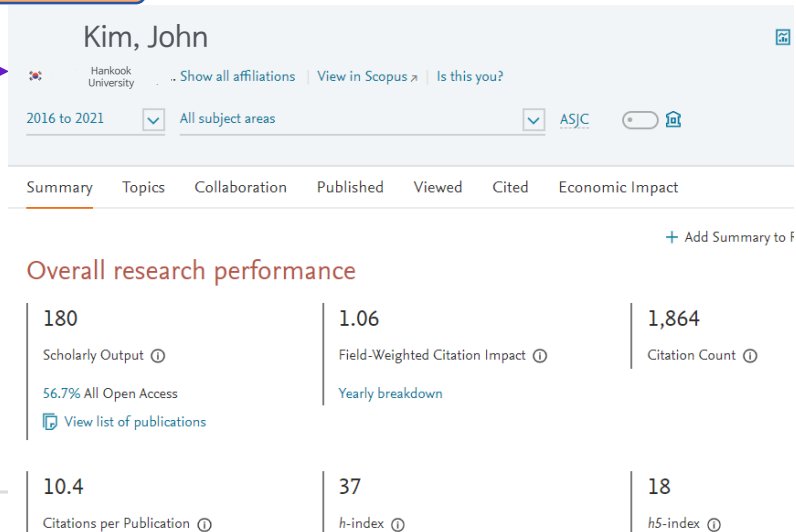
Profile of Researchers

- An author profile is **automatically** created in Scopus when a researcher publishes two or more papers, **based on the information listed in the journals**. When additional papers are published, Scopus algorithms automatically assign new publications to the author's profile.
- If publications are incorrectly indexed or missing, authors can use the **"Edit Profile"** feature to correct or add them. If multiple author IDs are created, they can be merged using the "Edit Profile" function.
- Scopus author profiles are also available in **SciVal**, with **Author IDs linked between both platforms**.

Scopus



SciVal



Different options to add researchers: Define a new Researcher

1

SciVal

Filtered by

- ☐ All entity types
- ☐ Institutions
- ☐ Groups of Institutions
- ☒ Researchers
- ☐ Groups of Researchers

Researcher

- Group of Researchers
- Import Researchers
- Synchronize Groups
- Research Area
- Import Publication Set
- Publication Set (based on Researchers)
- Group of Institutions
- Group of Countries
- Group of Topics

+ Define entity

+ Define entity

Researcher

- Group of Researchers
- Import Researchers
- Synchronize Groups
- Research Area
- Import Publication Set
- Publication Set (based on Researchers)
- Group of Institutions
- Group of Countries
- Group of Topics

2 Define a new Researcher

1. Search 2. Select 3. Validate publications (optional) 4. Save Researcher

The Researcher you want to add may be known in Scopus by more than one author name variant.

Last name: Takahashi First name: Yuta

Affiliation

+ Add another field

Search >

3 Define a new Researcher

1. Search 2. Select 3. Validate publications (optional) 4. Save Researcher

Select author name variant(s) that refer to the Researcher 95 results

☐	Author	Publications	Subject Area	Affiliation	Country/Region
☒	Takahashi, Yuta Takahashi, Y.	1027	Computer Science, Physics and Astronomy, Engineering, Multidisciplinary, Mathematics, Medicine	Universität Zürich	Switzerland
Show recent publications					
☒	Takahashi, Yuta Takahashi, Y.	273	Physics and Astronomy, Biochemistry, Genetics and Molecular Biology, Computer Science, Engineering, Chemistry, Multidisciplinary, Energy,	Nagoya University	Japan

< Previous step Validate publications (optional) > Directly go to Save Researcher >

1. Click the Select Entity - Define a new Researcher link at the bottom or Define Entity – Researcher on the top

2. Search by name, adding e.g. Affiliation, ORCID, Scopus Author ID

3. Check profiles, select correct, validate publications (if needed) and follow the workflow to add the researcher to SciVal

Different options to add researchers: Add from Authors tab

SciVal

Explore Compare Reporting My SciVal Scopus

Analgesia; Pain Measurement; Nursing Home 2021 to 2025

Summary
At Home Institution

Bibliometrics
Publication metrics
Citation metrics
Views metrics
Journal quartiles

Contribution
Authors
At Home Institution
Institutions
Countries and Regions
Scopus Sources

Research Fields
Subject Areas
Keyphrases

Top 500 authors in this Topic, by Scholarly Output

Heatmap Metric value: Low High

Compare over time Add to panel Tag Create group

	Author	Affiliation	Scholarly Output	Views Count	Field-Weighted Citation Impact	Citation Count
1.	☐ Monroe, Todd B.	USA Ohio State University	17	179	0.39	59
2.	☒ Achterberg, Wilco P.	NLD Leiden University	15	225	0.93	106
3.	☐ Herr, Keela Ann	USA University of Iowa	13	183	0.84	62
4.	☒ Husebø, Bettina Sandgathe	NOR University of Bergen	13	316	1.24	112
5.	☒ Moyle, Wendy	AUS Griffith University Queensland	13	380	0.93	66
6.	☐ Pu, Lihui	Erasmus MC	13	380	0.93	66

Select and “Add to panel” Researchers from the Authors tab across to the entity selection panel to quickly add Researchers

Different options to add researchers: Import Researchers

1

Filtered by

- ☐ All entity types
- ☐ Institutions
- ☐ Groups of Institutions
- ☒ Researchers
- ☐ Groups of Researchers

Researcher

Group of Researchers

Import Researchers

Synchronize Groups

Research Area

Import Publication Set

Publication Set (based on Researchers)

Group of Institutions

Group of Countries

Group of Topics

+ Define entity



2

Import Researchers

1. Upload file or paste IDs 2. Refine authors 3. Organize and save

Import Researchers
Here you can import a list of Scopus authors into SciVal (max. 1,000). Where applicable, these will be added to your existing hierarchy. [Learn more >](#)
If you want to replace one or more groups, go to [Synchronize your Groups of Researchers](#)

Paste IDs
Alternatively, you can paste a list of Scopus author IDs or ORCID IDs in this field (one ID per row, max. 1,000).

Use a Template [Learn more >](#)

Download file

Drop file here or click to upload (CSV, XLS, JSON, or text file)

Replace the example content with your own content. You can upload up to 1,000 researchers in a file.

Next step >

3

Import Researchers

Learn about the matching algorithm > X

1. Upload file or paste IDs 2. Refine authors 3. Organize and save

81 matched authors [?](#)
will be directly imported into SciVal.

Author	
Abuleil, Dania	4
Bobier, William R.	83
Callender, Murchison G.e.	27
Choh, Vivian	32
Chou, B. Ralph	37
Christian, Lisa W.L.	20
Cullen, Anthony D.	76

7 suggested authors [?](#) [Export >](#)
can be imported into SciVal after refinement or by dragging the best matched profile to the left.

Author	
Nelson, Peter	☐
Strong, Graham	☐
Jones, Davy	☐
Morris, Peter E	☐
Hudson, Chris (dr.)	☐
Jones, Deborah (dr.)	☐
Srinivasan, Sruthi (dr.)	☐

1 author not found [?](#) [Export >](#)
and will not be imported into SciVal.

Author
Hadley, Ken

< Previous step

Save and continue later > **Next step >**

1. Click 'Define Entity' link and then 'Import Researchers'
2. Use the XLS, CSV or JSON templates, a text file, or paste a list of Scopus author IDs or ORCID IDs (up to 1000)
3. Refine profiles where required

Define new Group of Researchers

Filtered by

- ☐ All entity types
- ☐ Institutions
- ☐ Groups of Institutions
- ☒ Researchers
- ☐ Groups of Researchers

Researcher

Group of Researchers

Import Researchers

Synchronize Groups

Research Area

Import Publication Set

Publication Set (based on Researchers)

Group of Institutions

Group of Countries

Group of Topics

+ Define entity

Define a new Group of Researchers

All Researchers and Groups | All tags

Search

- ☐ Abdelaal, Tamim R.m.
- ☐ > Administration (2)
- ☐ Brzhechko, D.
- ☐ Cerullo, Giulio N.
- ☐ Dankelman, Jenny
- ☐ Denkova, Antonia G.
- ☐ > Department of Arts (3)
- ☐ > Department of Cancer (4)
- ☐ > Department of History (2)
- ☐ > Department of Medicine (3)
- ☐ > Group 1 (3)
- ☐ > Group 2 (3)

Hide tags

Search

Group's name

Department

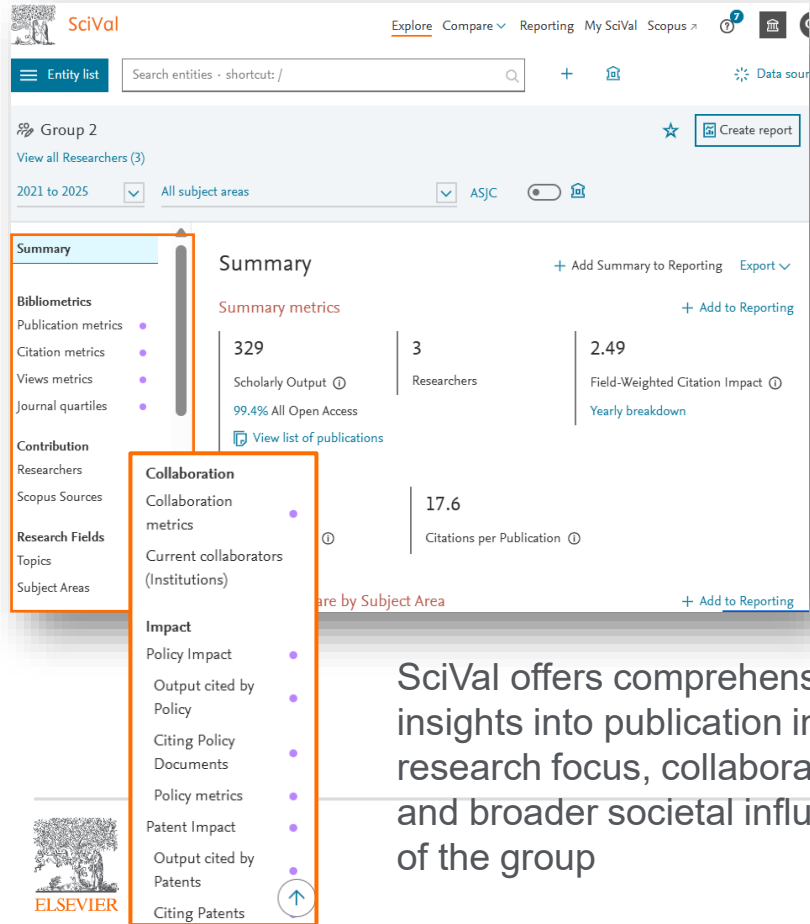
+ Add group

- ☐ Abdelaal, Tamim R.m.
- ☐ Brzhechko, D.
- ☐ Cerullo, Giulio N.

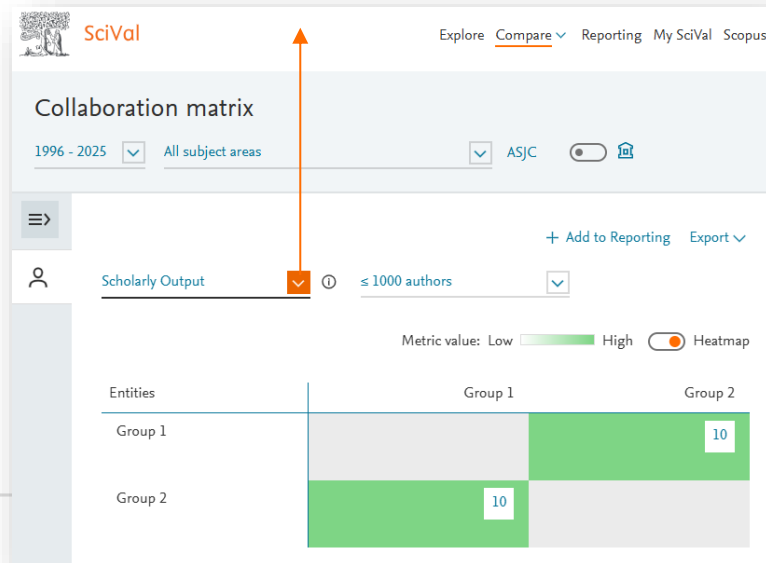
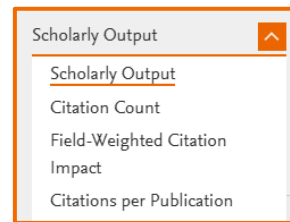
Save and finish >

After importing the list or via “Define a new Group of Researchers” - drag and drop any of your self-defined Researchers into one or more Groups

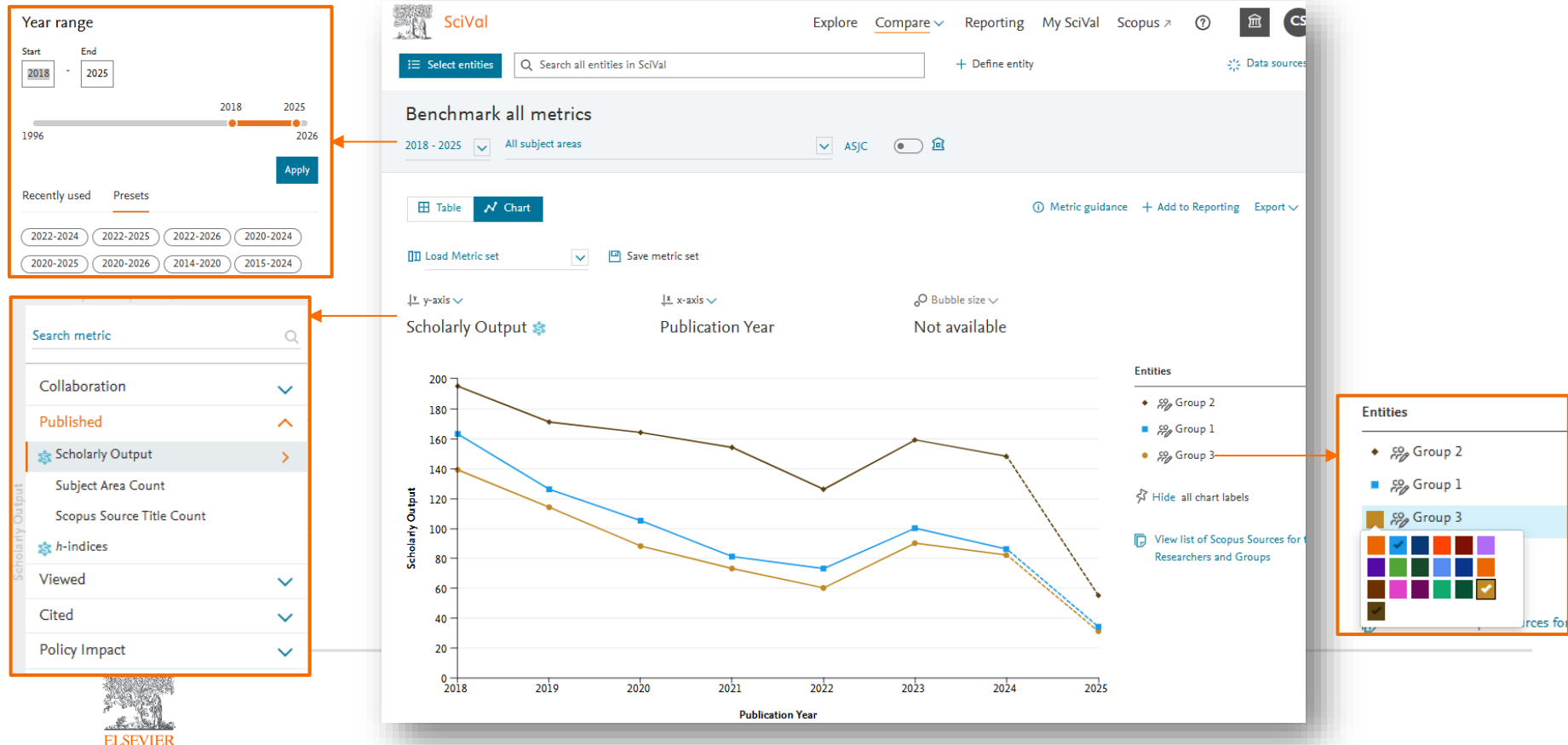
Analyses for Group of Researchers in SciVal



SciVal offers comprehensive insights into publication impact, research focus, collaboration, and broader societal influence of the group



Analyses for Group of Researchers in SciVal - Compare



Analyses for Group of Researchers in SciVal - Compare

SciVal

Explore Compare Reporting My SciVal Scopus Data source

Select entities Search all entities in SciVal + Define entity

Benchmark all metrics

2018 - 2025 All subject areas ASJC

Table Chart

Load Metric set Save metric set Manage multiple metrics Add metric

Reset to one metric over time

Metric value: Low High Heatmap

Entity	Scholarly Output	Citation Count	Citations per Publication	Field-Weighted Citation Impact	International Collaboration (%)
Group 1	768	28,103	36.6	2.64	99.0
Group 2	1,172	46,170	39.4	2.49	78.7
Group 3	677	26,192	38.7	2.79	99.9

View list of Scopus Sources for the selected Researchers and Groups

- Export data aggregated for active year range (CSV)
- Export data aggregated for active year range (XLSX)
- Export data per publication year (CSV)
- Export data per publication year (XLSX)

Add and manage metrics

Metrics to add

Search All metric groups

☐ Show as field-weighted ☒ Percentage

☐ Include self-citations ☒ Include all publication types

Metrics in the table

Load Metric set Save metric set Reset list

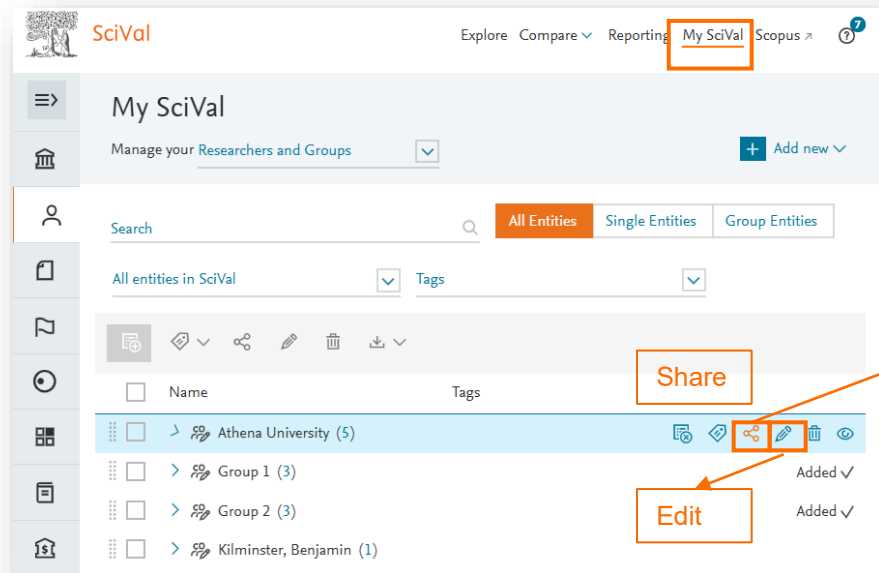
- ☒ Scholarly Output Types of publications included: all.
- ☒ Citation Count Types of publications included: all. Self-citations included: yes.
- ☒ Citations per Publication Types of publications included: all. Self-citations included: yes.
- ☒ Field-Weighted Citation Impact Types of publications included: all. Self-citations included: yes. Median: false.
- ☒ Geographical Collaboration (%) Types of publications included: all. Field-weighted: no.
- ☒ Outputs in Top Citation Percentiles (%) Types of publications included: all. Self-citations included: yes. Field-weighted: no.
- ☒ Publications in Top Journal Percentiles (%) CiteScore Percentile (from 2011 onwards -)

Drag and drop metrics you want to add to the table.

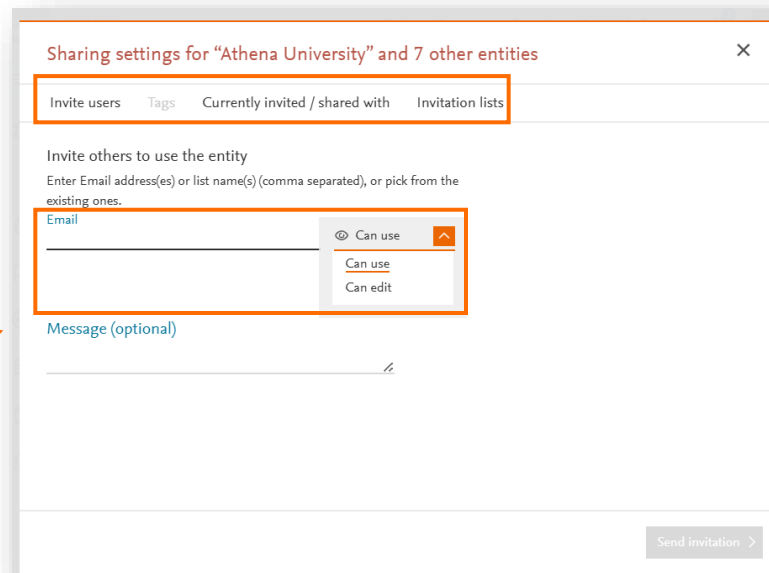
Managing and Editing Custom Group



Edit and Share



The screenshot shows the 'My SciVal' dashboard. At the top, the 'My SciVal' tab is highlighted with an orange box. Below the dashboard header, the 'Share' button (represented by a share icon) and the 'Edit' button (represented by a pencil icon) are highlighted with orange boxes. The main content area displays a list of entities, including 'Athena University (5)', 'Group 1 (3)', 'Group 2 (3)', and 'Kilminster, Benjamin (1)'. The 'Athena University' entry is selected, and its 'Share' and 'Edit' buttons are also highlighted with orange boxes.

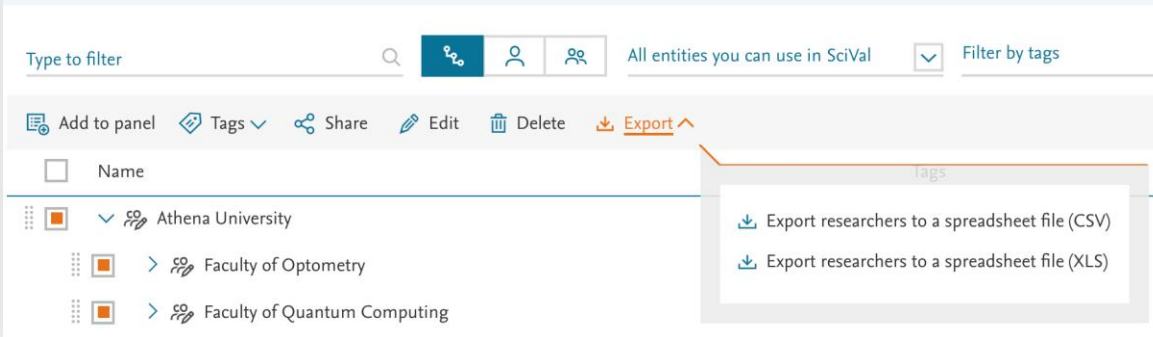


The screenshot shows the 'Sharing settings for "Athena University" and 7 other entities' dialog box. The 'Invite users' tab is selected and highlighted with an orange box. Below the tab, the 'Invite others to use the entity' section is visible, with the instruction 'Enter Email address(es) or list name(s) (comma separated), or pick from the existing ones.' The 'Email' input field is highlighted with an orange box. To the right of the input field, the 'Can use' permission is selected and highlighted with an orange box. The 'Can use' option is also highlighted with an orange box. The 'Message (optional)' field is visible below the input field. The 'Send invitation' button is at the bottom right.

SciVal allows users to manage and share custom groups and hierarchies with colleagues, with flexible permission settings. Sharing researchers and departmental structures with the entire institution available for Admins only. To activate Admin rights – contact your Elsevier representative or contact SciVal support team via <https://scival.com/contact>. [FAQ](#)

Synchronize: add or remove researchers

Researchers and Groups



Export your current **hierarchy** from SciVal – this gives you Scopus Author IDs for each researcher, plus the correct level information:

Go to My SciVal > Researchers and Groups (choose that in the left-hand panel) > select the **hierarchy** you want to export > Export.



- There can be up to 1,000 researchers per spreadsheet.
- There must be a Scopus Author ID for each researcher.
- Ensure each level in your Master Spreadsheet is complete.
- SciVal will compare the levels (**hierarchy** structure) in the spreadsheet with the existing ones in SciVal. If a level is mentioned once in your Master Spreadsheet, SciVal will use that information to overwrite the existing one if applicable.
- Any researchers currently included in your **hierarchy** in SciVal that are not included in your Master Spreadsheet, will be removed from the **hierarchy** in SciVal.
- If the **hierarchy** is new, it will be added.
- Researchers are never deleted during this process, just removed from the **hierarchy** and added to a folder called "Removed" making them easy to locate.
- If your complete **hierarchy** contains more than 1,000 researchers, split it into multiple spreadsheets and do multiple synchronizations. Ensure each spreadsheet contains complete **hierarchy** groups.

How to synchronize?

1. Prepare your Master Spreadsheet so that it contains the updated **hierarchy** and each researcher has a valid Scopus Author ID.

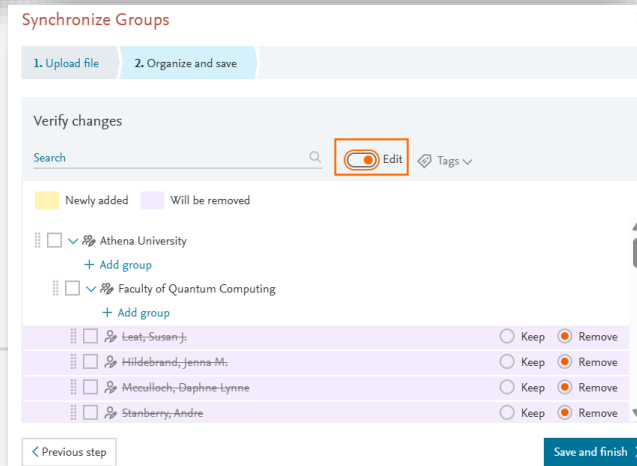
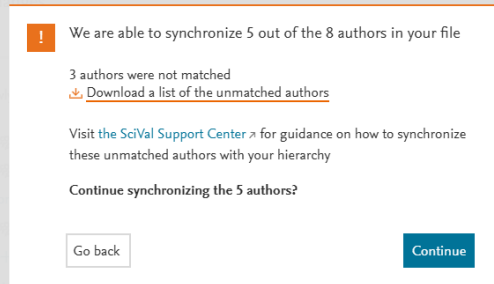
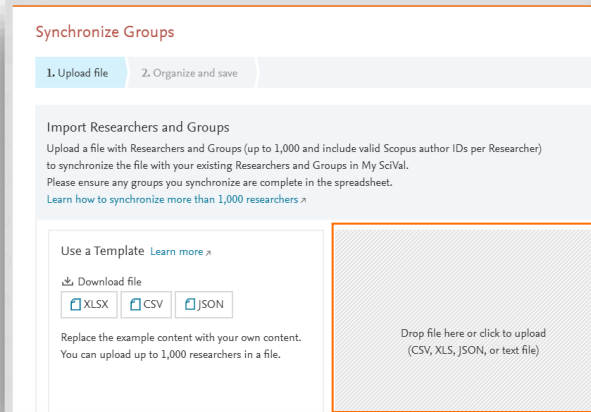
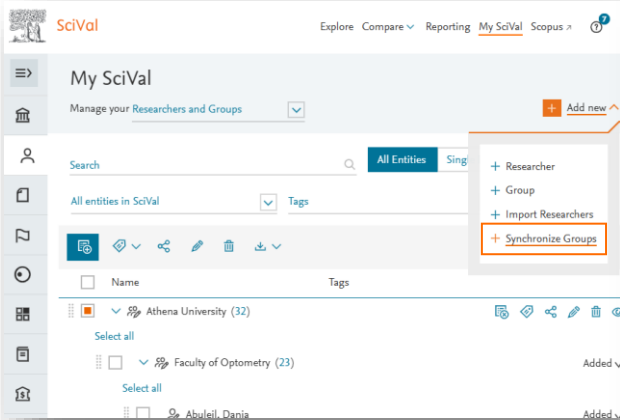
2. Go to My SciVal > Researchers and Groups > Add New > Synchronize Groups.

3. Drag and drop or upload your Master Spreadsheet.

4. Verify the changes

- If needed, click '*Edit*' to overwrite the changes and move the researchers into different **hierarchies**.
- Take note of all the crossed-out Researchers and mark them in your master file. Once the synchronization is complete you can use this list to potentially unshare these researchers with your SciVal users.

Learn more in [FAQ Create and import departmental or institution hierarchies](#)



Reporting



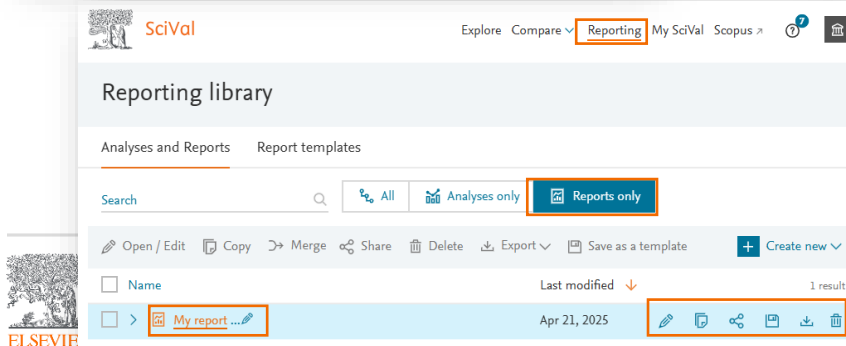
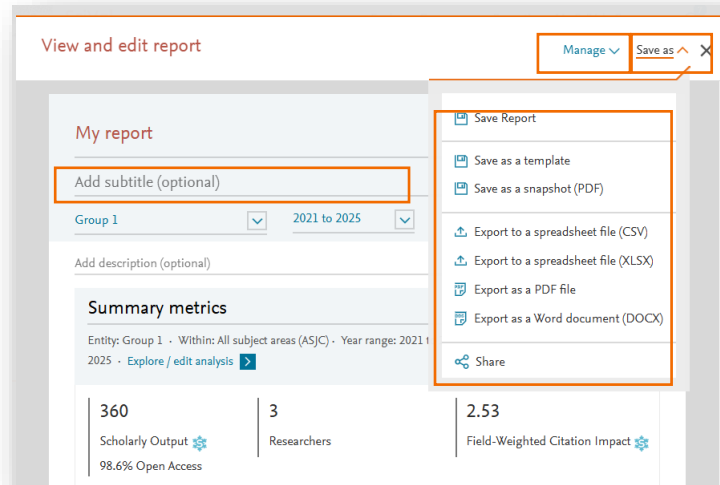
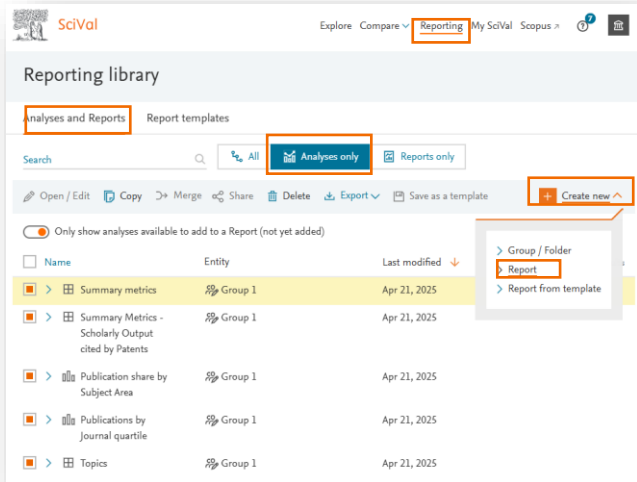
Saving and using analyses

The screenshot displays the SciVal web interface. At the top, the navigation bar includes 'Explore', 'Compare', 'Reporting' (highlighted with an orange box), 'My SciVal', and 'Scopus'. Below this is a search bar for entities and a 'Data source' dropdown. The main content area shows a 'Summary' view for 'Group 1' with filters for '2021 to 2025' and 'All subject areas'. A sidebar on the left lists various metrics like 'Bibliometrics', 'Contribution', and 'Research Fields'. The central panel displays 'Summary metrics' for 'Group 1', including '360 Scholarly Output' and '6,679 Citation Count'. A modal window is open over the 'Summary metrics' section, titled 'Save analysis as: Summary metrics for: Group 1'. It contains a toggle switch for 'Add to a report' (checked), a text input for 'New report name:' with 'My report' entered, and a 'Save >' button (highlighted with an orange box). An orange box also highlights the '+ Add to Reporting' button in the top right of the modal.

1. Select the entities, metrics and options of interest and click 'Add to Reporting'
2. You can start creating a new report by selecting “**Add a report**”, entering its name, and clicking **Save**. Alternatively, you can begin by adding selected analyses to your reports library and create the report later. Use the ‘**Reporting**’ tab in the navigation bar at the top of the screen to add analyses to an existing report or to create a new one.

[Learn more](#)

Creating, Managing, Sharing and Exporting a Report

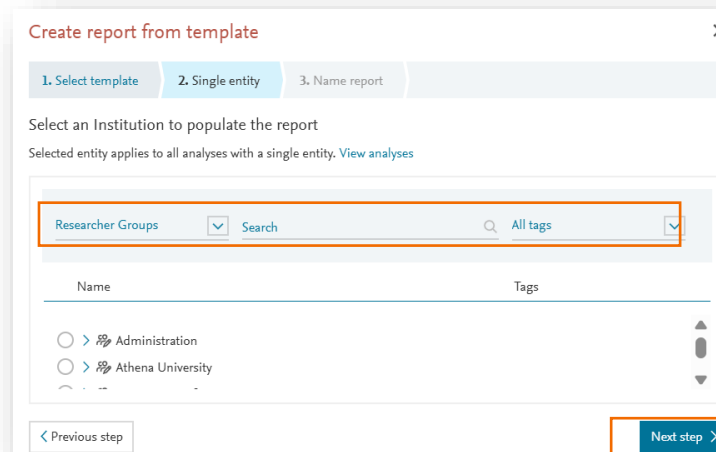
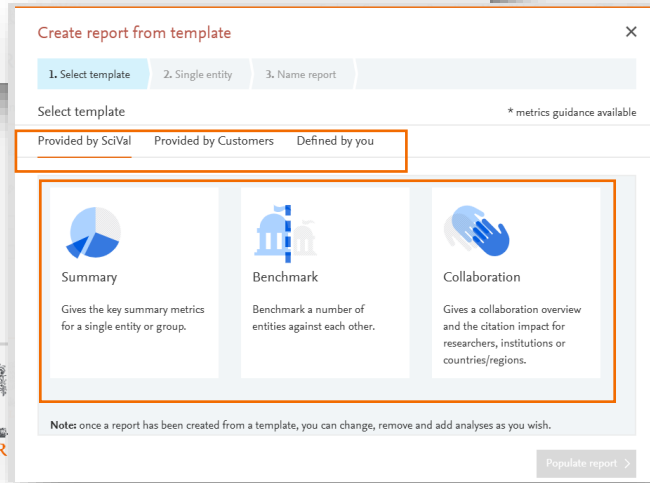
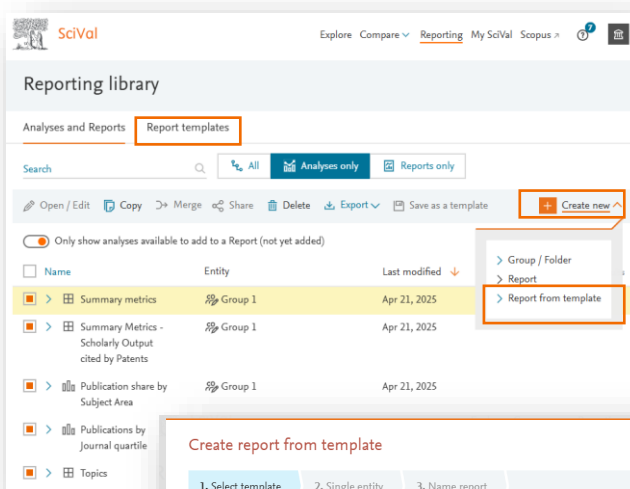


- Go to 'Reporting' in the global navigation bar at the top of the screen
- Select needed analyses and click 'Create new' and select 'Report' or, if you were adding your analyses directly to created Report – open it or edit or share
- Use Report layout and add descriptions as needed, or add analysis by "Manage" or Save as Template, Share or Export your Report as required selecting "Save as"

[Learn how to use SciVal created report templates](#)

[Learn how to create your own report template](#)

Using report templates



SciVal-created report templates, including customer-endorsed templates

- Go to Reporting and click 'Create new' and then 'Report from Template' or open "Report Templates" tab
- Select the template you would like to use from 'Provided by SciVal', 'Provided by Customers', or 'Defined by You'
- Select the entity or entities you would like to analyse
- Name and save your Report, which will now be a standard Report that you can change, remove, add



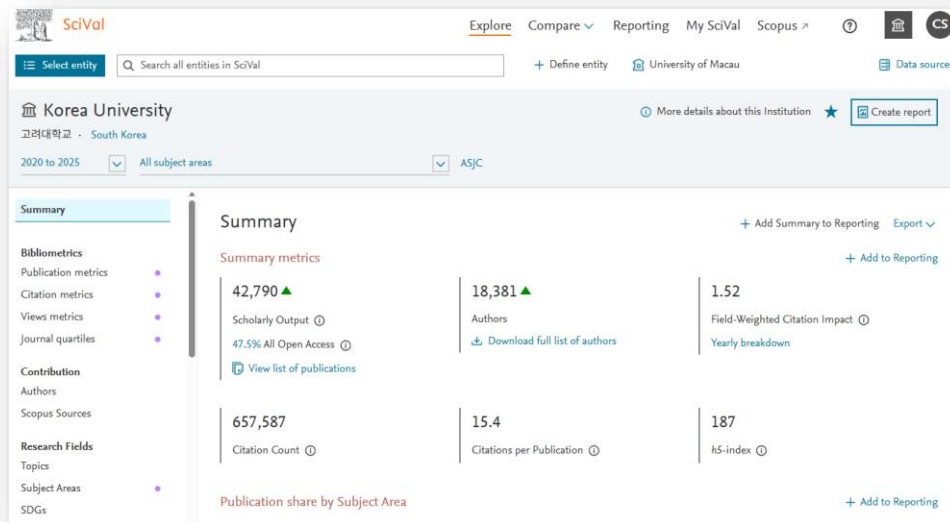
New Features & Updates

New architecture

To make SciVal easier to navigate and content easier to find, the pages in SciVal into 2 main analysis sections: “**Explore**” and “**Compare**”, while keeping Reporting and My SciVal.

“**Explore**” combines the pages from modules which analyze entities one by one (Overview, Collaboration, Trends, Impact and Grants) into one place.

“**Compare**” contains pages that support the selection and analysis of multiple entities: the pages previously grouped under Benchmarking, as well as the Grants Dashboard for subscribers to the Grants module.

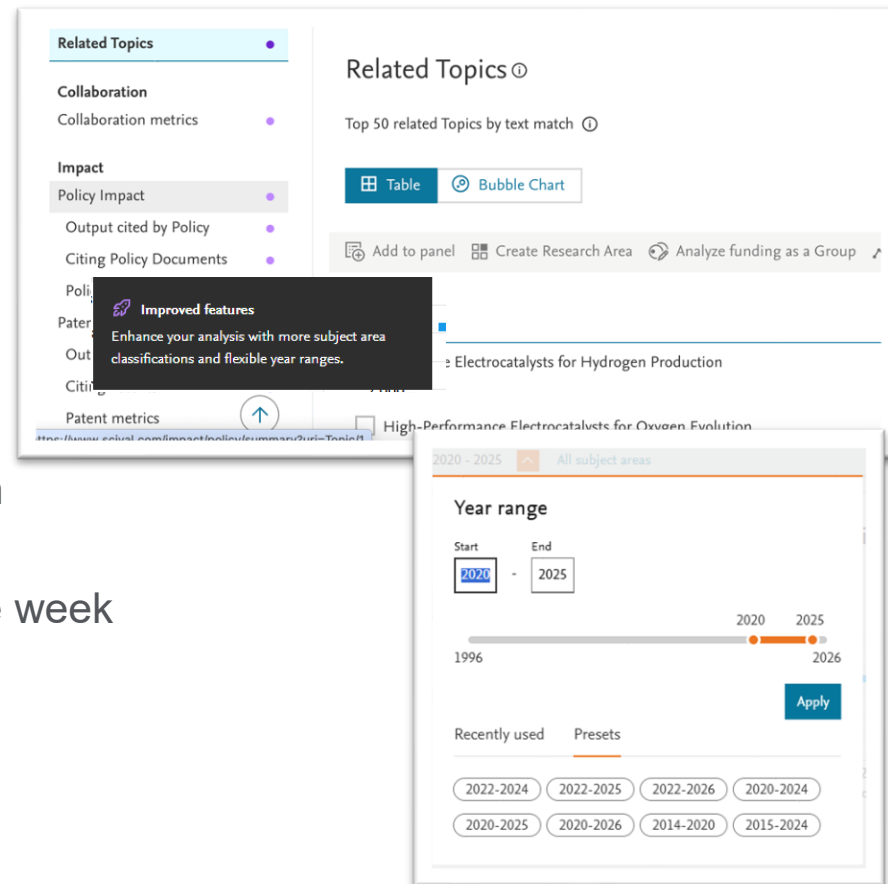


When you select an entity, you automatically see all the available pages, regardless of which module they come from. Your Institution's module subscription determines which pages are available to you.

Big data pipeline migration in progress

2024+

- Flexible year ranges
- Multi-select for Subject areas in Benchmarking and Impact
- More Subject classifications
- Flexible content type selection
- Larger entities with real-time computation
- Faster pre-computation
- Daily processing available throughout the week



SciVal topics GenAI titles full production launch

- SciVal Topic summaries and titles are powered by generative AI (GenAI) and LLM technology
- 393 votes received by April 2025: 81% positive 
- Need your Feedback!

We are considering renaming this Topic from "Heavy Metal; Antioxidant; Glutathione" to **"Heavy Metal Accumulation and Antioxidant Mechanisms in Plants"**

Do you think this is a better name?  yes  no

[Learn more ↗](#)

☐ Topic cluster:

☐ Image Segmentation, Deep Neural Networks and Object Detection ⓘ About

TC.0 | [Analyze and visualize your data worldwide ...](#)

[Preview this Topic Cluster](#)

About



Innovative Vocal Mechanisms in Robotic Speech Production

T.63925

92 publications (2015 to 2024)

Summary

Beta

Powered by GenAI ⓘ

This Topic is about the development of a talking robot with advanced vocalization capabilities, focusing on speech learning, mechanical vocal system construction, acoustic modeling, and human-robot interaction. The research explores the robot's ability to imitate human vocalization, adaptively learn vocal sounds, and simulate articulatory motions for speech production.

Key aspects of the research include:

- Educational models for intuitive speech instruction and evaluation of bone-conducted voice for voice recognition.
- Comparison of advanced talking robot models, fuzzy rule representation for speech acoustic parameters, and physical models of human vocal tract for whistling sound production.
- Robot's vocal cord redesign and vowel sound generation experiments.
- Exploration of vocal tract and lip opening areas for human whistling sound production.

Do you like this summary?  yes  no

Ranking Tracker in Compare

- Analyze and Benchmark your institution and peers Ranking tracker metrics for THE World University Ranking in Compare.
- Analyze per THE subject area.
- Export the data and add to Reporting for further analysis.
- New tabs to benchmark ranking metrics and ranking tracker

Benchmark Ranking Tracker values

THE World University Rankings

• The tracker metrics are proxy values. The final ranking metrics are calculated by the ranking agency itself.
 • Tracker values are based on a Scopus data snapshot from 1 Feb 2023.
 • The publication data for 2024 is not yet complete. The number of publications for that year can still increase.
 • Citations will keep increasing until the final Scopus data snapshot is taken for the ranking year.
 • The definitive Scopus snapshot for the upcoming THE World University Rankings will be taken on 1 May 2025.
[Learn about the Ranking Tracker](#) | [Learn about the THE World University Rankings](#)

Tools Chart Metric guidance Add to Reporting Export

Load metric set Add metric Remove all

Show delta as: Absolute value Metric Rank Percentile

Institution	Tracker set	Scholarly Output (THE)	International Collaboration	Output in Top 10% Citations percentile by Global FWC 5 Year	FWC 75th percentile 5 year
ATHENA University	THE WUR 2025 (publications 2019-2023)	1,000	700	130	1.23
	Tracker Value (publications 2020-2024)	1,200	800	95	1.33
	Tracker delta	+200	+100	-35	+0.10
Delft University of Technology	THE WUR 2025 (publications 2019-2023)	1,500	600	102	1.19
	Tracker Value (publications 2020-2024)	1,200	343	67	1.22
	Tracker delta	-300	-257	-35	0.03

Benchmark ranking metrics

Ranking metrics Ranking Tracker

[QS World University Rankings](#)
[THE World University Rankings](#)
[THE Impact Rankings](#)
[U.S. News Best National University Rankings](#)

SciVal AI



Past Period

Conducted customer interviews to gather feedback on various SciVal AI experiments, identify overall customer needs and understand their current use of generative AI in daily tasks.

Incorporated feedback and internal insights to refine our approach.



New Focus: Smart Reporting with Context

Our core customer, the Research Office, often spends significant time producing reports that require detailed writing and contextual metrics.

We aim to streamline this process by developing features for faster, smarter reporting with added context.



Upcoming Initiatives

Conduct small (development/prompting) experiments to enhance narrative value in analyses and reports.

Engage in further discussions with customers to understand their specific reporting needs and deliverables for their internal clients. (we will contact you)

Getting help and SciVal Homepage

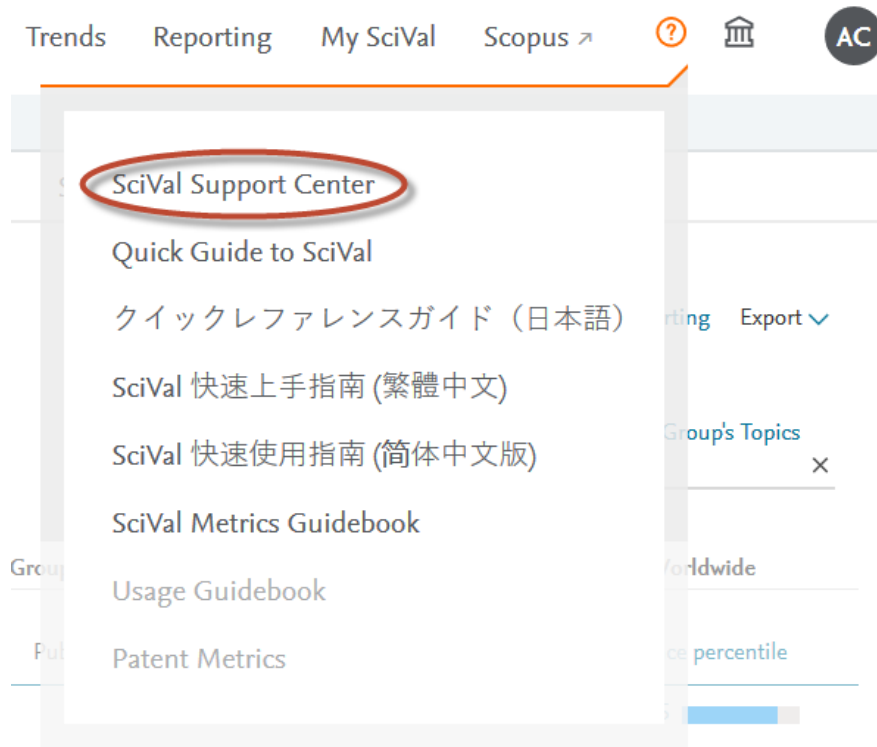


Getting help

- The spine menu will provide a line to help documentation

<https://service.elsevier.com/app/home/supporthub/scival/>

- Contact us if you have any questions or problems with SciVal
- Customer Success Manger: Liu, Xiaoqian(Xiaoqian.Liu@elsevier.com)



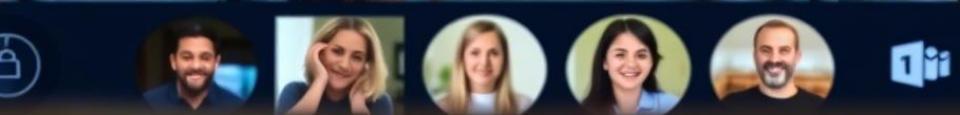
Useful resources

- 2025 Lecture Series - SciVal / Scopus
 - SciVal : [2025 Lecture series: SciVal](#)
 - Scopus: [2025 Lecture series: Scopus](#)
- SciVal LibGuide
 - [Help & Support - SciVal LibGuide - LibGuides at Elsevier](#)
- Metrics guidebook
 - [Elsevier_ResearchMetricsBook.pdf](#)
- SciVal certification
 - [SciVal Certification Program](#)



Q&A

Please contribute your question
on Zoom





Thank you

