Research Intelligence

Strategic Research Work-Flows using Scopus & SciVal to Maximize Research Performance.

November 2017
prepared by
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Consultant, Research Management,
Elsevier

ELSEVIER

Empowering Knowledge

Introduction

1997

ScienceDirect   Journals   Books

Search for peer-reviewed journals, articles, book chapters and open access content.

| Fourth industrial revolution | Author name | Journal/book title |

Advanced search

2004

Scopus

Documents   Authors   Affiliations   Advanced

Search
Fourth Industrial Revolution   ×   Article title, Abstract, Keywords   ⌄   +

E.g., "Cognitive architectures" AND robots

Reset form   Search 🔍

2009

SciVal

Visualize research performance

Benchmark your progress

Develop collaborative partnerships

Analyze research trends

From Publishing to Analytics

ELSEVIER

Empowering Knowledge

From Publisher to Information Analytics Company

ELSEVIER

| Content | | Technology |

16% of the world's research in +2000 journals

Books
35,000 published books

User queries
13M monthly users on ScienceDirect

Chemistry database
500M published experimental facts

Drug Database
100% of drug information from pharma

1,000 technologists employed by Elsevier

$400M invested in technology annually

Machine reading
475M facts extracted from ScienceDirect

Machine learning
Over 1,000 predictive models

Collaborative filtering
1B articles analyzed daily

Some Researcher use-cases…

Find the best papers in your field

Showcase your success

Understand your field

Find the right Journal

Measure impact

Identify Hot Emerging Topics

Find Top Experts in your field

Win more Grants

See what others are doing

Scopus

Scopus is the world's largest abstract and citation database of peer-reviewed scientific literature

+ 5,000 Publishers

22,748 Serial titles

+150,000 Books

68 million Items

1.4 Billion cited references dating back to 1970

Scopus®

~70,000 Main institutional profiles

12 million Author profiles

SciVal

SciVal offers quick, easy access to the research performance of 220 nations and 8,500 research institutions worldwide, and groups of institutions
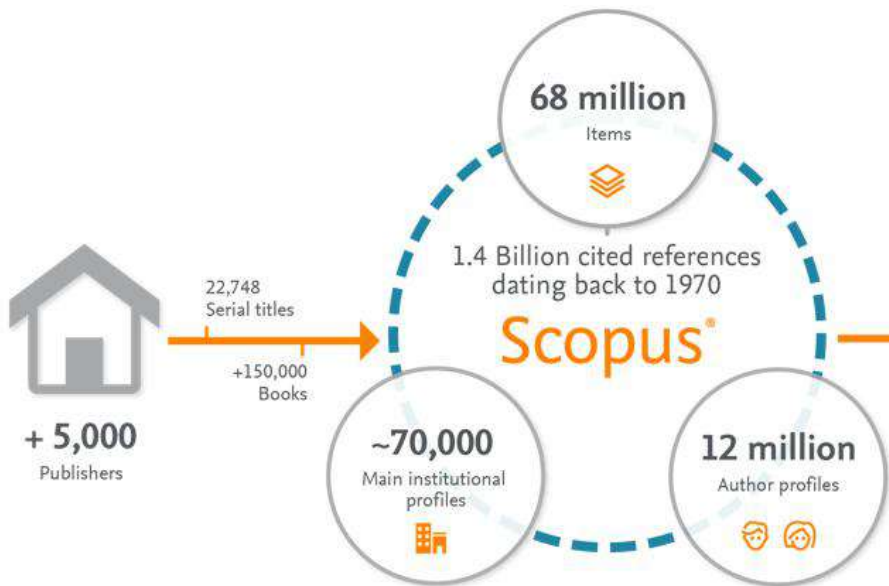
Develop collaborative partnerships

Identify and analyze existing and potential collaboration opportunities

Analyze research trends

Analyze research trends to discover the top performers and rising stars

Visualize research performance

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

Benchmark your progress

Flexibility to create and compare any research groups
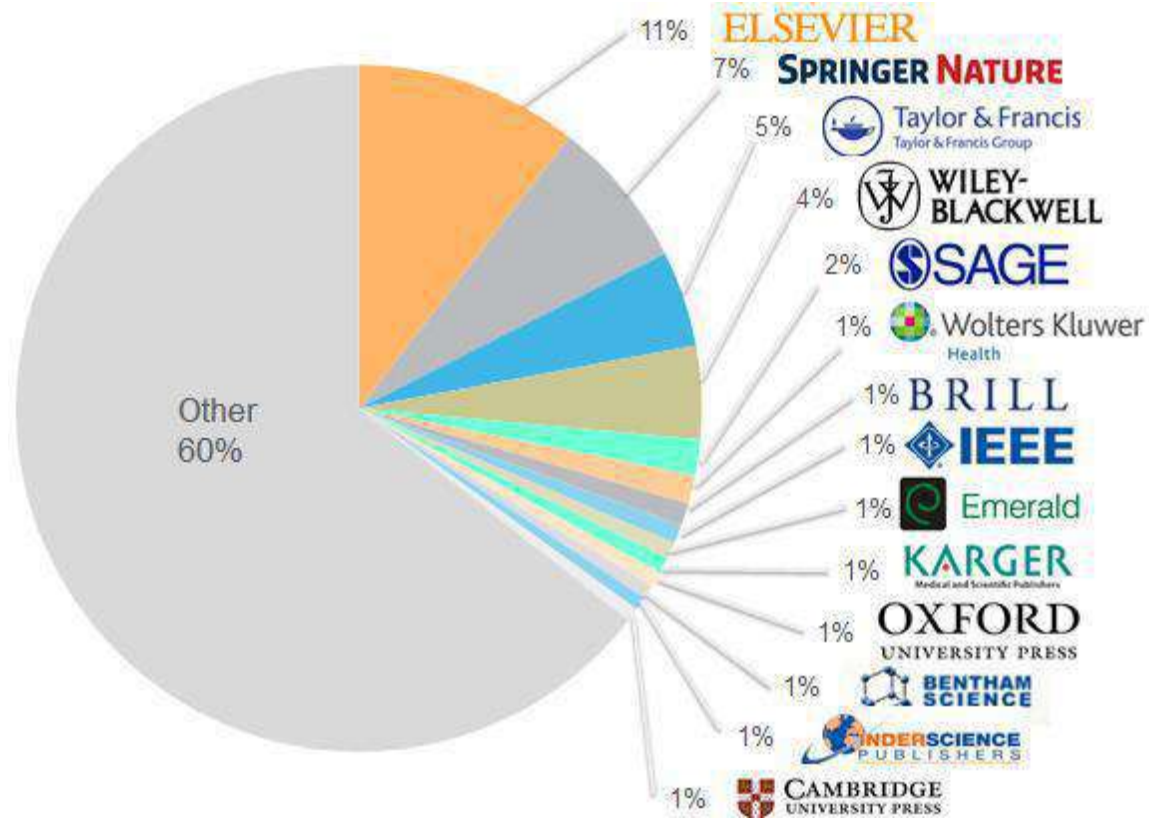
Scopus

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Empowering Knowledge

Scopus

68M records and **22,794** active titles from more than **5K** international publishers. More than **3,643** Gold Open Access journals indexed, **130K** books and **8M** conference proceedings

Journal & Books title list:
https://www.elsevier.com/
solutions/scopus/content

Pie chart of publishers: Other 60%, ELSEVIER 11%, SPRINGER NATURE 7%, Taylor & Francis 5%, WILEY-BLACKWELL 4%, SAGE 2%, Wolters Kluwer Health 1%, BRILL 1%, IEEE 1%, Emerald 1%, KARGER 1%, OXFORD UNIVERSITY PRESS 1%, BENTHAM SCIENCE 1%, INDERSCIENCE PUBLISHERS 1%, CAMBRIDGE UNIVERSITY PRESS 1%

The Premier Source of Profiles

Scopus *includes over 12M author profiles, which are automatically created whenever new data is uploaded. We offer a feedback feature to ensure each author's profile is distinct and kept up-to-date. No other A&I database matches Scopus for precision and recall.*

Get to know
Scopus

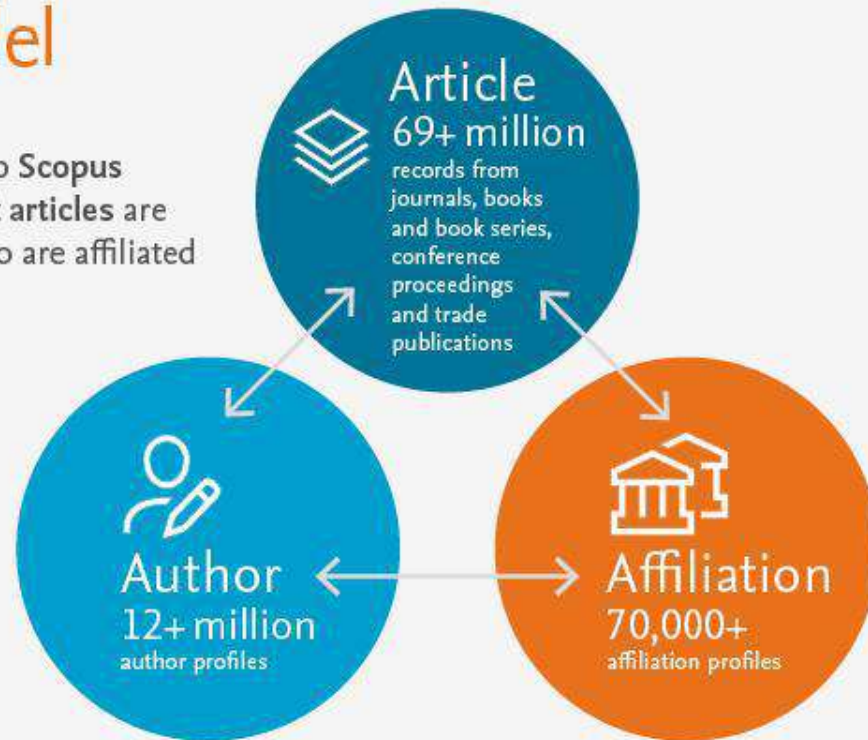**Scopus** delivers a comprehensive view on the world of research.

No packages, no add-ons.

One all-inclusive subscription.

The Scopus Data Model

The data that goes into **Scopus** follows the model that **articles** are written by **authors** who are affiliated with **institutions**.

This relational data model means that Scopus can tell you who is researching what in global literature and where they are doing it with higher accuracy than anyone else.
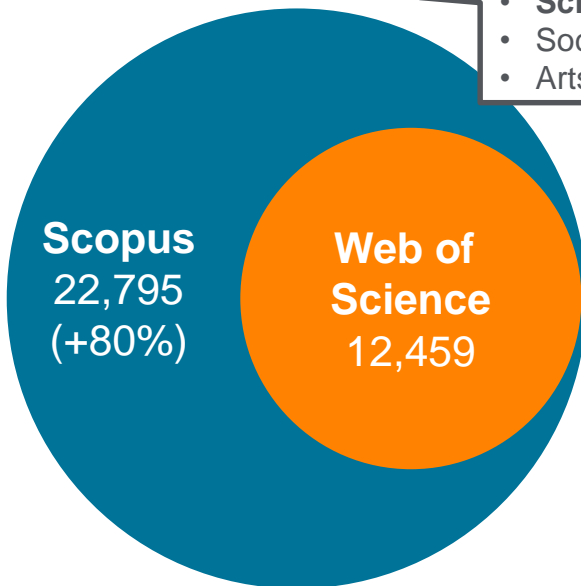
Article
69+ million
records from journals, books and book series, conference proceedings and trade publications

Author
12+ million
author profiles

Affiliation
70,000+
affiliation profiles

ELSEVIER

Overall Content Comparison with Web of Science

Assumes customer subscribes to ALL:
- **Science Citation Index (**SCISEARCH**)**
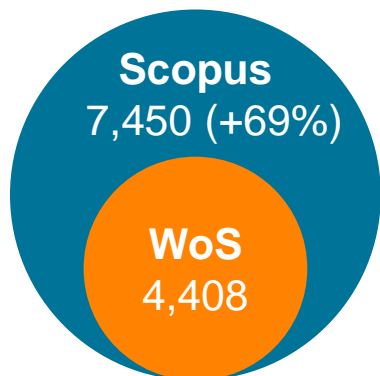- Social Science Citation Index
- Arts & Humanities Citation Index
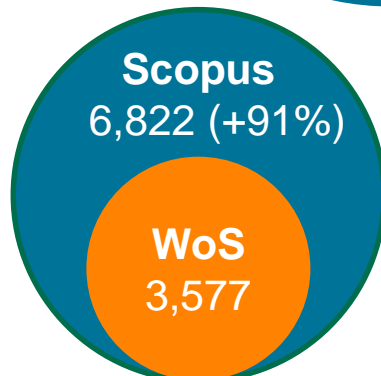
Scopus
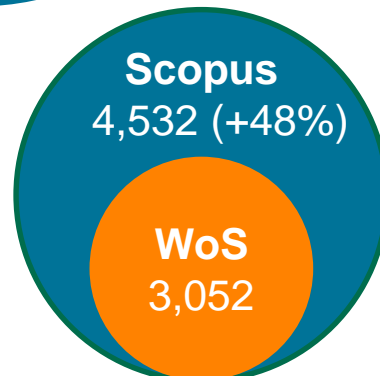
- ~22K titles
- >5,000 publishers
- Updated daily

Scopus
22,795
(+80%)

Web of Science
12,459

Web of Science ™

- ~12K titles
- 3,300 publishers
- Updated weekly

Scopus
7,450 (+69%)

WoS
4,408

Physical Sciences

Scopus
6,822 (+91%)

WoS
3,577

Health Sciences

Scopus
4,532 (+48%)

WoS
3,052

Life Sciences

Scopus
8,223 (+96%)

WoS
4,202

Social Sciences

Source: Web of Science Real Facts, Web of Science Core Collection title list and Scopus' own data (May 2016)

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Research Intelligence | 14
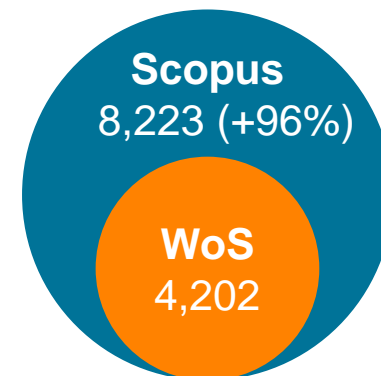
The Bibliographic Indexing Leader

Scopus is the largest abstract and citation database of peer-reviewed scholarly literature, making it a highly recommended resource for discovering the world of research
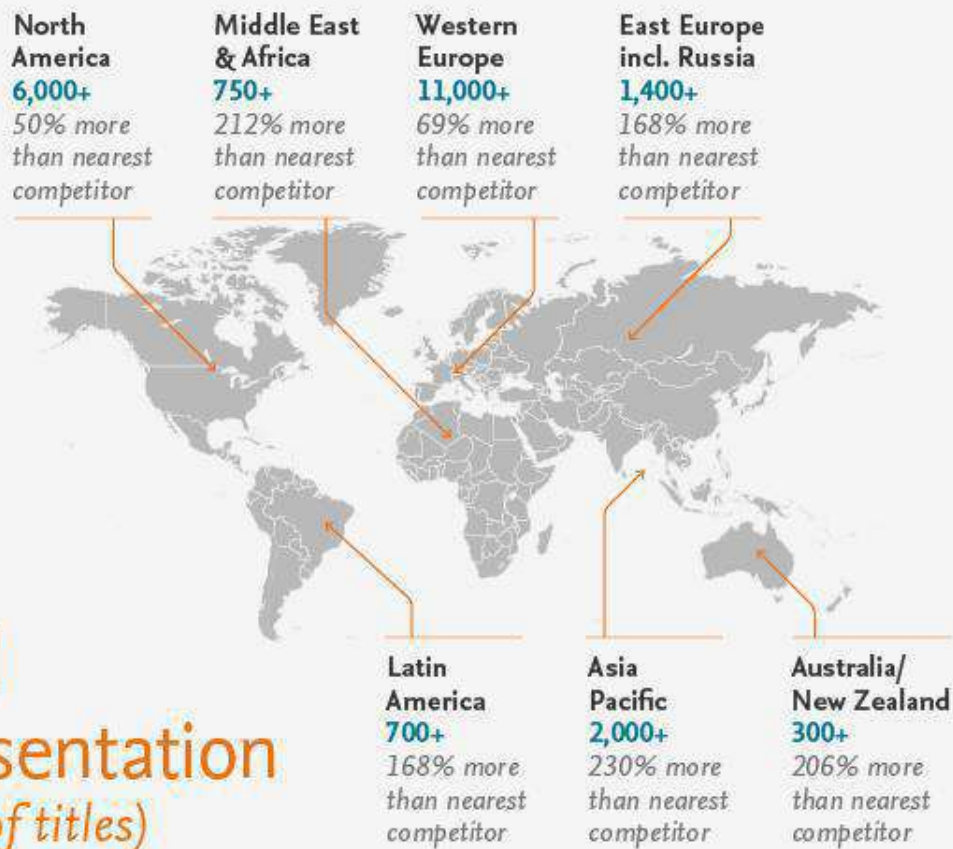
Get to know

Scopus

Scopus delivers a comprehensive view on the world of research.

No packages, no add-ons.

One all-inclusive subscription.

North America
6,000+
50% more than nearest competitor

Middle East & Africa
750+
212% more than nearest competitor

Western Europe
11,000+
69% more than nearest competitor

East Europe incl. Russia
1,400+
168% more than nearest competitor

Global Representation *(number of titles)*

Latin America
700+
168% more than nearest competitor

Asia Pacific
2,000+
230% more than nearest competitor

Australia/ New Zealand
300+
206% more than nearest competitor

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Finding the best papers

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Empowering Knowledge

Step 1: use a smart search

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Step 1: view the results

267 document results

(TITLE-ABS-KEY ("tacit knowledge") AND TITLE-ABS-KEY (intelligence))

Analyze search results

Show all abstracts   Sort on: Cited by (highest)

☐ All ∨   CSV export ∨   Download   View citation overview   View cited by   Save to list   •••   🖨   ✉   📄

	Document title	Authors	Year	Source	Cited by
☐ 1	Computation and cognition: Issues in the foundations of cognitive science	Pylyshyn, Z.W.	1980	Behavioral and Brain Sciences 3(1), pp. 111-132	427
	View abstract ∨ Full Text View at Publisher Related documents Doc-XML SOLR-JSON				
☐ 2	Practical Intelligence in Real-World Pursuits. The Role of Tacit Knowledge	Wagner, R.K., Sternberg, R.J.	1985	Journal of Personality and Social Psychology 49(2), pp. 436-458	355
	View abstract ∨ Full Text View at Publisher Related documents Doc-XML SOLR-JSON				
☐ 3	ANALYZING DUE PROCESS IN THE WORKPLACE.	Gerson, Elihu M., Star, Susan Leigh	1986	ACM transactions on office information systems 4(3)	177
	View abstract ∨ Related documents Doc-XML SOLR-JSON				
☐ 4	The relationship between academic and practical intelligence: A case study in Kenya	Sternberg, R.J., Nokes, C., Geissler, P.W., (...), Bundy, D.A., Grigorenko, E.L.	2001	Intelligence 29(5), pp. 401-418	153
	View abstract ∨ Full Text View at Publisher Related documents Doc-XML SOLR-JSON				
☐ 5	Why schools should teach for wisdom: The balance theory of wisdom in educational settings	Sternberg, R.J.	2001	Educational Psychologist 36(4), pp. 227-245	149

Step 3: use article metrics to understand impact

Practical ==Intelligence== in Real-World Pursuits. The Role of ==Tacit== ==Knowledge== (Article)

Wagner, R.K.,   Sternberg, R.J.   &

Yale University

Abstract

We carried out three experiments to examine the role of ==tacit== ==knowledge== (==knowledge== th...
divided into three groups, whose 187 members differed in amounts of experience and fo...
were related to criterion measures of performance for both academic psychologists and p...
formal training in business management. Differences in ==tacit== ==knowledge== were related to...
validated on a group of 29 bank managers for whom detailed performance evaluation inf...
==knowledge== was not related to verbal ==intelligence== as measured by a standard verbal reaso...
aptitudes, formal ==knowledge==, and ==tacit== ==knowledge== that is used in managing oneself, oth...

355 ❝ | **Citations in Scopus**

99th Percentile

PlumX Metrics ︿

Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

Usage

Abstract Views:	317
Link-outs:	136
PDF Views:	14
HTML Views:	10

Captures

Exports-Saves:	39
Readers:	145

Citations

Citation Indexes:	226

see details

The rise of graphene   Back to article

(2007) Nature Materials, 6(3), pp. 183-191

Scopus Metrics ❷

Citation Count ❞	Field-Weighted Citation Impact ⚖	Citation Benchmarking %
21047	**519.26**	99th percentile
Cited by in Scopus ✿	✿	Compared to Chemistry articles of same age and document type ❷

PlumX Metrics ❷
see details

Usage		Captures		Mentions		Social Media	
Bitly - Clicks:	26	CiteULike - Readers:	61	Blogs:	4	Facebook - Shares, Likes & Comments:	51
EBSCO - Abstract Views:	2731	EBSCO - Exports-Saves:	193	News:	1	Twitter - Tweets:	6
EBSCO - PDF Views:	1577	Mendeley - Readers:	25596	Wikipedia - Links:	7		
EBSCO - HTML Views:	1073	Mendeley - Readers:	31				
EBSCO - Link-outs:	101	Mendeley - Readers:	17				
		Mendeley - Readers:	11				
		Mendeley - Readers:	4				
		Mendeley - Readers:	1				

Finding the right Journal

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Step 1: go to: Journalmetrics.scopus.com

Journal Metrics

Refine titles ⓘ

ⓘ CiteScore 2016 method

Refine by subject areas... 🔍   Search titles... 🔍   2016 ⌄   Show fewer filters

Psychology ✕

Search publishers... 🔍   Display titles with min. 0   Documents ⌄   Source types ⌄   Select quartiles ⌄

Top 10%
Quartile 1
Quartile 2
Quartile 3
Quartile 4

Showing 335 titles

CiteS

	Title	CiteScore ⌄	CiteScore Percentile	CiteScore Rank	Citations 2016 ❄	Documents 2013-15 ❄	% Cited	SNIP	SJR
1	Annual Review of Psychology *General Psychology*	24.69	99%	1/180	2,000	81	98%	10.401	12.320
2	Annual Review of Clinical Psychology *Clinical Psychology*	14.75	99%	1/247	1,077	73	97%	5.739	7.740
3	Psychological Bulletin *General Psychology*	14.37	99%	2/180	2,443	170	87%	8.041	8.998
4	Psychological Science in the Public Interest, Supplement *General Psychology*	13.06	98%	3/180	235	18	61%	12.742	5.462
5	Trends in Cognitive Sciences *Neuropsychology and Physiological Psychology*	10.42	99%	1/55	3,699	355	86%	5.240	7.948

CiteScore is a simple metric for all Scopus journals

Documents from 3 years

A

CiteScore 2015 value = $\dfrac{A}{B}$

2011	2012	2013	2014	2015	2016

A

B
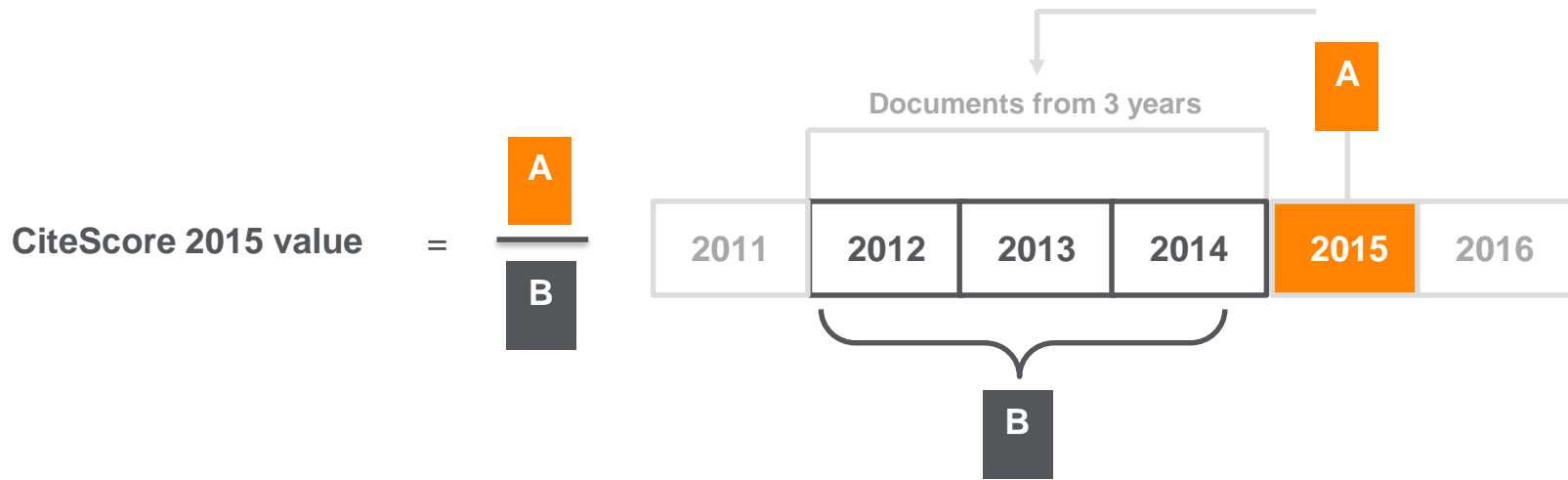
CiteScore	Impact Factor
A = citations to 3 years of documents	A = citations to 2 or 5 years of documents
B = all documents indexed in Scopus, same as A	B = only citable items (articles and reviews), different from A

Note: at launch, all titles in the May 2016 title list, and with some documents indexed in 2016, will have CiteScore metrics

Main advantages of CiteScore

Comprehensive

- **Based on Scopus**, the world's broadest database

- A CiteScore will be available **for all serials, not just journals**

- CiteScore can be **calculated for portfolios**

Transparent

- CiteScore and associated metrics will be available for **free**

- CiteScore is **easy to calculate for yourself**

- The **underlying database is available for you to interrogate**

Current

- CiteScore Tracker is **updated monthly**

- **New serial titles** will have CiteScore metrics the year after they are indexed in Scopus

Finding an Expert in my field

Finding a field expert

Needs:
- I need to find an expert in right fields(s)
- Someone with a good volume and impact of publications
- Local who is recognized internationally

Scopus   Search   Sources   Alerts   Lists

Document search

Documents   Authors   Affiliations   Advanced

Search
"dengue"   ✕   Article title, Abstract, Keywords   ⌄   +

E.g., "Cognitive architectures" AND robots

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Potential Editors, Authors, Reviewers

23,869 document results

View secondary

TITLE-ABS-KEY ("dengue")

Search within results... 🔍

📊 Analyze search results

Refine results

Limit to   Exclude

Year	⌃
☐ 2018	(3) >
☐ 2017	(1,521) >
☐ 2016	(2,395) >
☐ 2015	(2,061) >
☐ 2014	(2,038) >

View more

Author name	⌃
☐ Halstead, S.B.	(193) >
☐ Gubler, D.J.	(181) >
☐ Nisalak, A.	(163) >
☐ Harris, E.	(162) >

☐ All ⌄   Export   Download   View citation overview   View cited by   Add to List   •••   🖨 ✉ 📄

	Document title	Authors
☐ 1	Data driven prediction of dengue incidence in Thailand	Sumanasinghe, N., Mikler, Muthukudage, J., Tiwari, C.

View abstract ⌄   **Full Text**   View at Publisher   Related documents

| ☐ 2 | The quantitative structure–insecticidal activity relationships from plant derived compounds against chikungunya and zika Aedes aegypti (Diptera:Culicidae) vector | Saavedra, L.M., Romanelli, Duchowicz, P.R. |

View abstract ⌄   **Full Text**   View at Publisher   Related documents

| ☐ 3 | 13th International Conference on Computing and Information Technology, IC2IT 2017 | [No author name available] |

View abstract ⌄

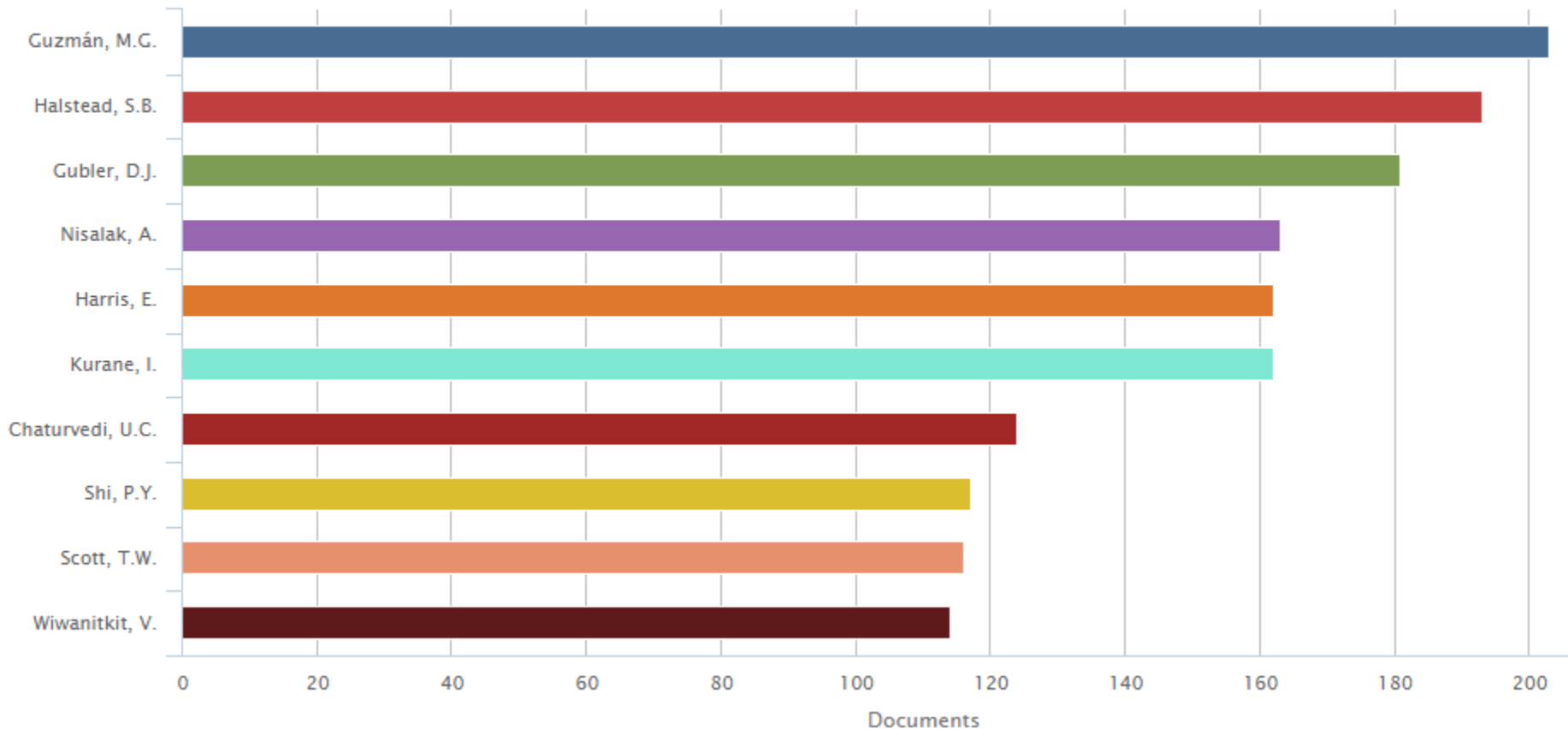| ☐ 4 | Modeling and projection of dengue fever cases in Guangzhou based on variation of weather factors | Li, C., Wang, X., Wu, X., (... |

Potential Editors, Authors, Reviewers

TITLE-ABS-KEY ("dengue")   Back to your search results

23869 document results   Choose date range to analyze: 1872 ▾ to 2018 ▾   Analyze

Documents by author

Compare the document counts for up to 15 authors

Horizontal bar chart titled "Documents by author" with x-axis "Documents" ranging 0 to 200.

Author	Documents (approx.)
Guzmán, M.G.	~203
Halstead, S.B.	~193
Gubler, D.J.	~181
Nisalak, A.	~163
Harris, E.	~162
Kurane, I.	~162
Chaturvedi, U.C.	~124
Shi, P.Y.	~117
Scott, T.W.	~116
Wiwanitkit, V.	~114

Use the Scopus Author Profile

Use the Scopus author profile to understand where the author is based, their level of experience, publication output and impact, relevant to your topic.

Funding Acknowledgements

Funding data expansion project

What?
- Capture full text funding information
- Tag funding body name, acronym and number using Natural Language Processing (NLP)
- Backfill full text funding information and tagging back to 2008 and further
- Include funding information from 3rd party curated lists: (NIH/NSF/CrossRef/KAKEN/ResearchFish)

Why?
- Provide funders with high(er) quality funding information in Scopus
- Allows for verification & identifying additional funding sources

Scope
- 2016 going forward
- Backfill to 2008 (same as WoS) and further

Nature Communications
Volume 7, 17 May 2016, Article number 11615
Open Access

Negative magnetoresistance without well-defined chirality in the Weyl semimetal TaP (Article)
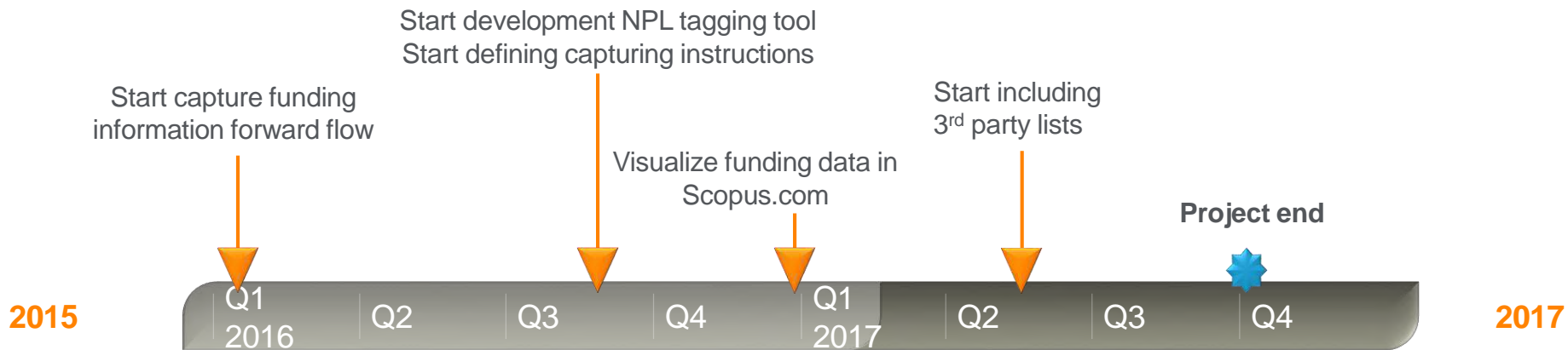
Number	Funding	Acronym
	Conselho Nacional de Desenvo lvimento Científico e Tecnológico	CNPq
	Deutsche Forschungsgemeinschaft	DFG
291472	European Research Council	ERC

Funding text
We are grateful for K. Behnia, Y.-L. Chen, L.-K. Lim, Z.-K. Liu, E. G. Mele, J. Moore, S.-Q. Shen and D. Varjas for helpful discussions. This work was financially supported by the Deutsche Forschungsgemein- schaft DFG (Project No. EB 518/1-1 of DFG-SPP 1666 Topological Insulators, and SFB 1143) and by the ERC (Advanced Grant No. 291472 Idea Heusler). R.D.d.R. acknowledges financial support from the Brazilian agency CNPq.

Funding text
We are grateful for K. Behnia, Y.-L. Chen, L.-K. Lim, Z.-K. Liu, E. G. Mele, J. Moore, S.-Q. Shen and D. Varjas for helpful discussions. This work was financially supported by the Deutsche Forschungsgemein- schaft DFG (Project No. EB 518/1-1 of DFG-SPP 1666 Topological Insulators, and SFB 1143) and by the ERC (Advanced Grant No. 291472 Idea Heusler). R.D.d.R. acknowledges financial support from the Brazilian agency CNPq.

Start development NPL tagging tool
Start defining capturing instructions

Start capture funding information forward flow

Visualize funding data in Scopus.com

Start including 3rd party lists

Project end

2015

Q1 2016 | Q2 | Q3 | Q4 | Q1 2017 | Q2 | Q3 | Q4

2017

Funding acknowledgements in Scopus records

Open Access

Reconfiguration of distribution network with distributed energy resources integration using PSO algorithm (Article)

Syahputra, R.[a] ✉, Robandi, I.[b] ✉, Ashari, M.[b] ✉ 👤

[a]Department of Electrical Engineering, Universitas Muhammadiyah Yogyakarta, Jl. Ringroad Barat Tamantirto, Kasihan, Yogyakarta, Indonesia
[b]Department of Electrical Engineering, Institut Teknologi Sepuluh Nopember, Sukolilo, Surabaya, Indonesia

Abstract

∨ View references (25)

This paper presents optimal reconfiguration of radial distribution network with integration of distributed energy resources (DER) using modified particle swarm optimization (PSO) algorithm. The advantages of integration of DER in distribution system are minimizing power losses, improving voltage profiles and load factors, eliminating system upgrades, and reducing environmental impacts. However, the presence of DER could also cause technical problems in voltage quality and system protection. Optimal reconfiguration of distribution network is subjected to minimize power loss and to improve voltage profile in order to enhance the efficiency the distribution system. In this study, reconfiguration method is based on an improved PSO. The method has been tested in a 60-bus Bantul distribution network of Yogyakarta Special Region province, Indonesia. The simulation results show that optimal reconfiguration of the network with integration of DER has successfully enhancing the efficiency of the distribution system. © 2015 Universitas Ahmad Dahlan.

Author keywords

Distributed energy resources   Distribution network   Efficiency   Modified particle swarm optimization   Reconfiguration

Search by Funding Sponsor

Your Scopus Author Profile

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Author search

Compare sources >

Documents   **Authors**   Affiliations   Advanced

Search tips ⓘ

Author last name
Saleh   ✕

Author first name
R   ✕

e.g. Smith

e.g. J.L.

Affiliation
Universitas Indonesia   ✕

☐ Show exact matches only

Search 🔍

e.g. University of Toronto

☐ All ⌄   Show documents   View citation overview   Request to merge authors

	Author	Documents	Subject area	Affiliation	City	Country/Territory
☐ 1	Saleh, Rosari Saleh, R.	129	Materials Science ; Physics and Astronomy ; Engineering; ...	Universitas Indonesia	Depok	Indonesia

View last title ⌄   Doc-XML   SOLR-JSON

Author details

Saleh, Rosari

Universitas Indonesia, Depok, Indonesia

Author ID: 7006807497

Documents: 129

   Citations: 741 total citations by 642 documents

     h-index: 13 ❓

Co-authors: 74

Subject area: Materials Science , Physics and Astronomy View More

🌐 Analyze author output

📊 View citation overview

🖼 View h-graph

Follow this Author — Receive emails when this author publishes new articles

🔻 Get citation alerts

➡ Add to ORCID ❓

✎ Request author detail corrections

📊 Export profile to SciVal

Documents / Citations by Year (2007–2018)
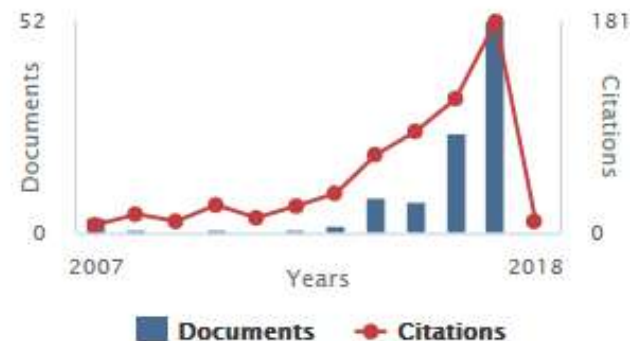
What's hot and what's not?

Remember Nickel Cadmium batteries?

1- Ni-Cd (Nickel Cadmium battery)

(+) electrode

cathode (+):
NiO(OH)

separator

anode (−):
cadmium

separator

(−) electrode

cell reaction:
$Cd(s) + 2NiO(OH)(s) + 2H_2O(l) \rightarrow$
$Cd(OH)_2(s) + 2Ni(OH)_2(s)$
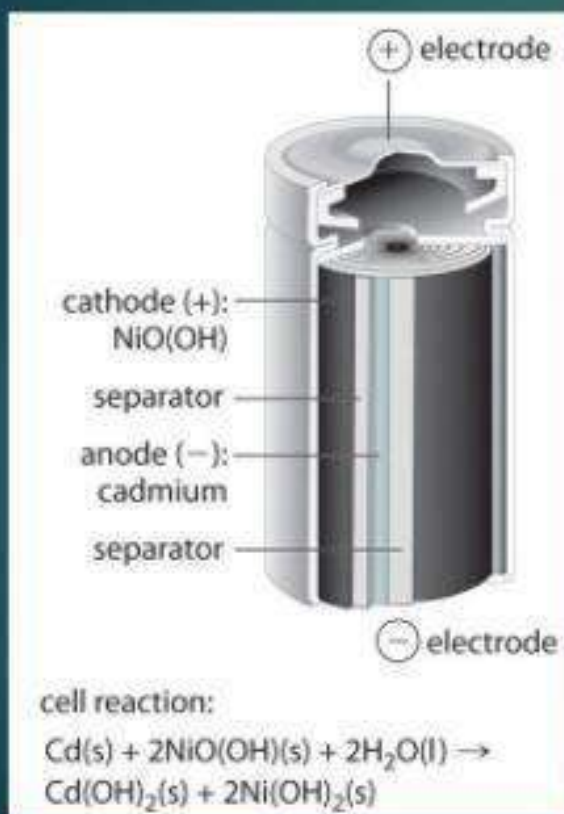
Battery reactions:

At the negative
$$Cd + 2OH \underset{discharge}{\overset{charge}{\rightleftharpoons}} Cd(OH)_2 + 2e-$$

At the positive
$$NiOOH + H_2O + 2e- \underset{discharge}{\overset{charge}{\rightleftharpoons}} Ni(OH)2 + OH$$

Overall reaction
$$2NiOOH + Cd + 2H_2O \underset{discharge}{\overset{charge}{\rightleftharpoons}} 2Ni(OH)2 + Cd(OH)2$$

Nickel-cadmium

TITLE-ABS-KEY ("nickel-cadmium")   Back to your search results

2303 document results   Choose date range to analyze: 1907 ▼ to 2017 ▼   Analyze

Documents by year

5 Types of Lithium–Ion Batteries

Lithium-Cobalt Oxide Battery

- Used mostly in handheld electronics (Cell phones, Laptops and Cameras)
- Risky specially when damaged
- Cobalt is scarce and expensive
- Low discharge rates
- Highest energy density (110-190) Wh/kg

Lithium-Titanate Battery

- Can operate at very low temp (-40°C)
- Rapid charge and discharge
- Used in Mitsubishi i-MiEV
- Lower inherent voltage 2.4 V (compared to 3.7 V)
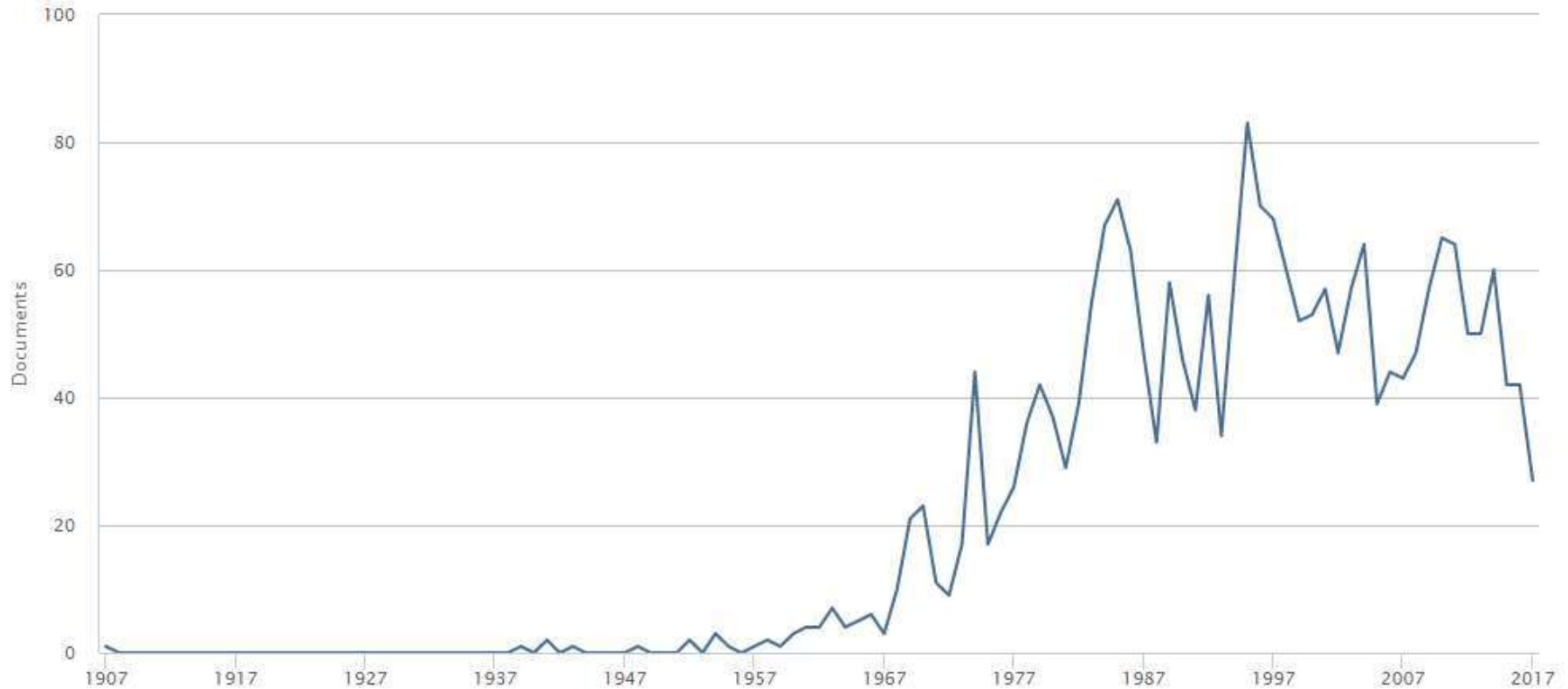- Lower energy density (30-110) Wh/kg

Lithium-Iron Phosphate Battery

- Dramatically reduces the risks of overheating and fire.
- Offers much less volumetric capacity
- Used in power tools and medical equipment
- Longer-life and inherently safe
- Lower Energy Density (95-140) Wh/kg

Lithium-Nickel Manganese Cobalt Oxide Battery

- Longer life and inherent safety
- Cobalt is scarce and expensive
- Less prone to heating
- Used in Power tools, e-bikes and electric power trains
- Lower energy density (95-130) Wh/kg

Lithium-Manganese Oxide Battery

- Lower cost
- Longer life and inherently safe
- Used in Hybrid Vehicles, Cell phones, Laptops
- High discharge rates
- Lower energy density (110-120) Wh/kg

Lithium-ion

TITLE-ABS-KEY (**lithium-ion**)   Back to your search results

45489 document results   Choose date range to analyze: [1909 ▼] to [2017 ▼]   [Analyze]

Documents by year
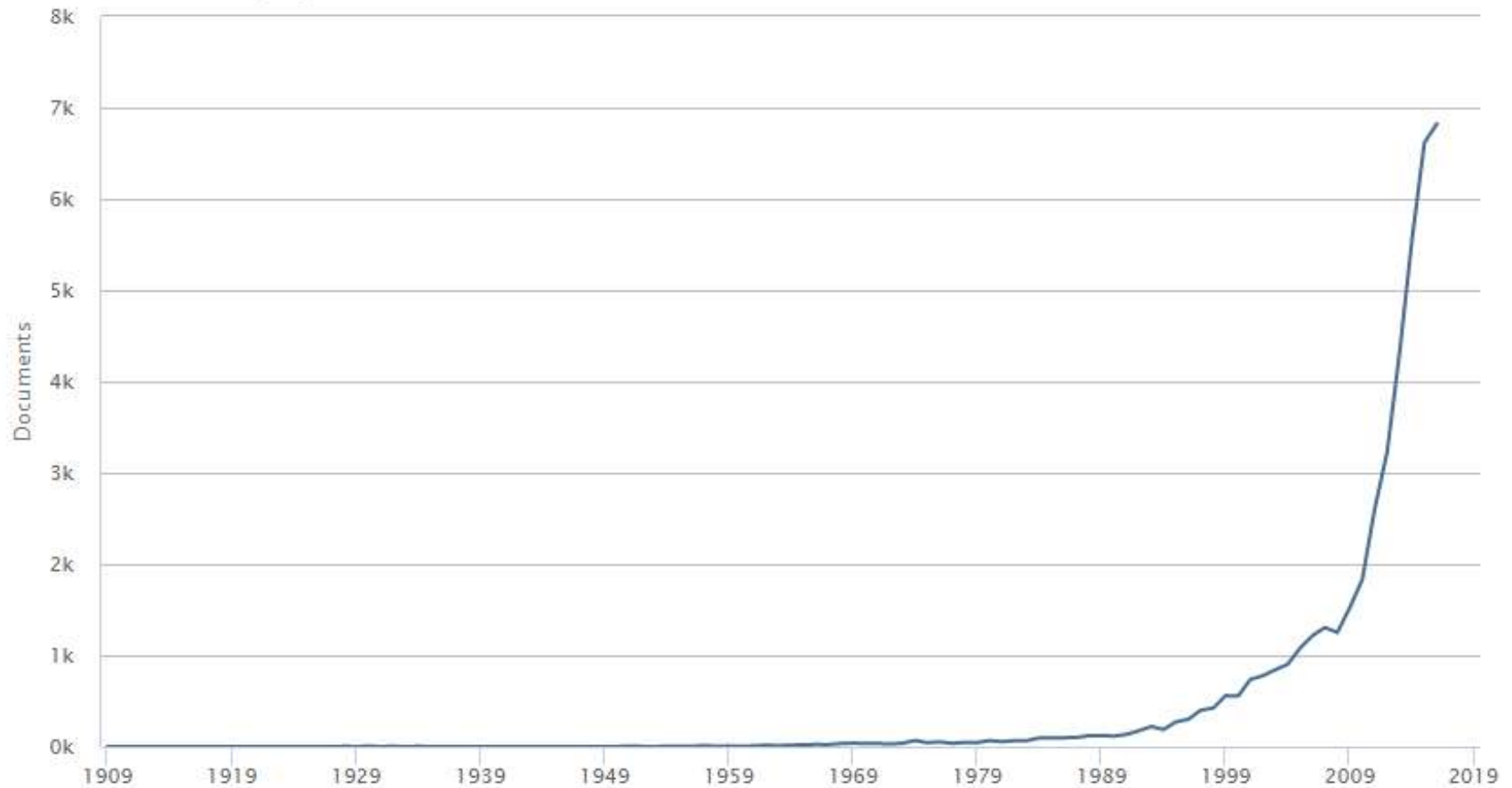
What are the top Journals publishing in the topic?

TITLE-ABS-KEY ("lithium ion")   Back to your search results

50684 document results   Choose date range to analyze: 1909 ▼ to 2017 ▼   Analyze

Source	Documents ▼
○ Journal Of Power Sources	4738
○ Electrochimica Acta	2929
○ Journal Of The Electrochemical So	1645
○ Journal Of Materials Chemistry A	1356
○ Rsc Advances	1167
○ Solid State Ionics	1166
○ ACS Applied Materials And Interfa	983
○ Journal Of Alloys And Compounds	904
○ Ecs Transactions	633
○ Journal Of Physical Chemistry C	581
○ Ionics	573
○ Materials Letters	527

Explore the best journals active in that topic

Journal of Power Sources

Scopus coverage years: from 1976 to Present

Publisher: Elsevier

ISSN: 0378-7753

Subject area: Energy: Energy Engineering and Power Technology

[View all documents >]   [Set document alert]   Journal Homepage   Copac   E·Z·B   More >

Visit Scopus Journal Metrics ↗

CiteScore 2016
6.22   ⓘ

SJR 2016
1.945   ⓘ

SNIP 2016
1.483   ⓘ

CiteScore   CiteScore rank & trend   Scopus content coverage

CiteScore   2016 ⌄

$$6.22 = \frac{\text{Citation Count 2016}}{\text{Documents 2013 - 2015*}} = \frac{\text{36,338 Citations >}}{\text{5,844 Documents >}}$$

*CiteScore includes all available document types

Calculated on 23 May, 2017

View CiteScore methodology >   CiteScore FAQ >

CiteScore rank ⓘ

In category: Energy Engineering and Powe... ⌄

Percentile: 97th   Rank: #5/181 >

View CiteScore trends >   Add CiteScore to your site 🔗

CiteScoreTracker 2017 ⓘ

$$4.76 = \frac{\text{Citation Count 2017}}{\text{Documents 2014 - 2016}} = \frac{\text{27,681 Citations to date >}}{\text{5,816 Documents to date >}}$$

Last updated on *09 September, 2017*
Updated monthly

ZIKA VIRUS

For anyone who plans to travel to **Zika-affected areas**, avoiding mosquito bites is the best way to avoid exposure to the virus.

Zika virus is primarily spread through the **BITE OF INFECTED MOSQUITOS**.

MOTHER-TO-BABY & SEXUAL ACTIVITY
If a pregnant woman is bitten by an infected mosquito, the infection can cross the placenta, infecting the fetus.

The virus can also be transmitted sexually.

TRANSFUSION
The virus can also be transmitted through blood transfusion or laboratory exposure.

Emerging topic → Zika

Indonesia active in Zika research?

(TITLE-ABS-KEY (zika) AND AFFILCOUNTRY (indonesia))   Back to your search results

13 document results   Choose date range to analyze: 1981 ▼ to 2017 ▼   Analyze

Documents by affiliation

Compare the document counts for up to 15 affiliations
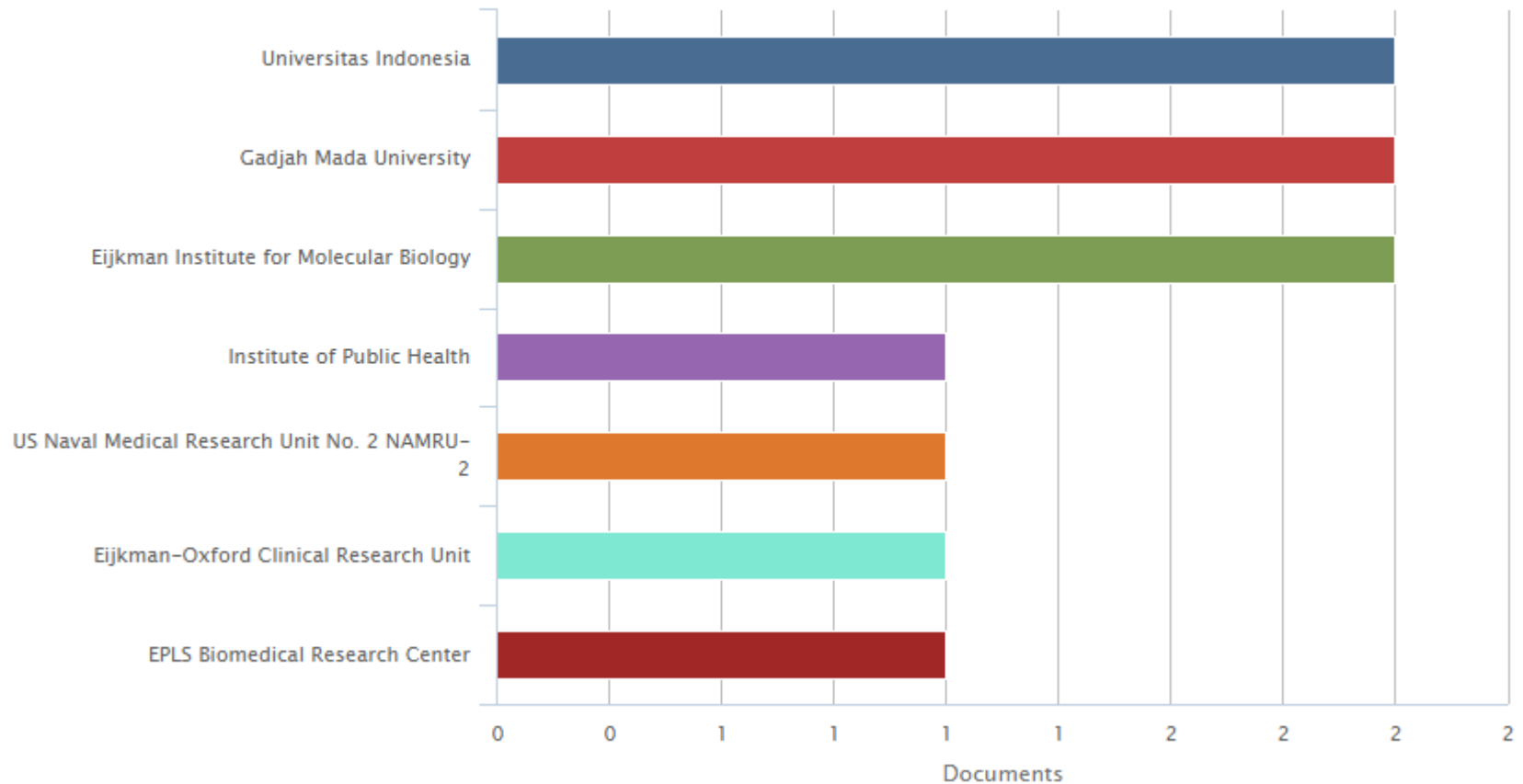
SciVal

ELSEVIER

Empowering Knowledge

SciVal is Elsevier's research intelligence tool

SciVal offers quick, easy access to the research performance of 220 countries & territories and 8,500 research institutions worldwide, and groups of institutions.

Visualize research performance

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

Benchmark your progress

Flexibility to create and compare any research groups

Develop collaborative partnerships
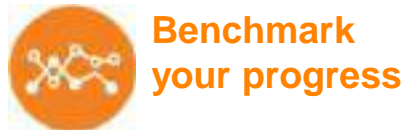
Identify and analyze existing and potential collaboration opportunities

Analyze research trends

Analyze research trends to discover the top performers and rising stars
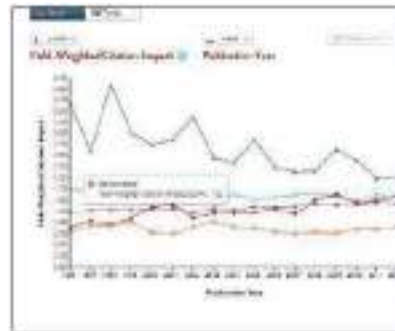
Benefits for a broad range of users

	Vice Rectors and other management level	• **360 degree Performance Overview to inform strategic planning** • **Identify institution's strengths and short-comings**
	Central administrators	• **Create management-level reports** • **Accelerate institutional and cross-institutional collaboration** • **Support and win large grants**
	Faculty & Department Heads	• **Evaluate researcher and team performance for recruitment and retention decisions** • **Model-test scenarios by creating virtual teams**
	Researchers	• **Raise visibility and highlight achievements** • **Expand networks** • **Locate collaborators and mentors**

UI Management of uses SciVal for strategic planning

Topic of Prominence in SciVal

ELSEVIER

Empowering Knowledge

We now use researchers' real-life citation behaviour to create a dynamic taxonomy of science

~35 million publications (1996-present) clustered into ~100,000 stable global scientific topics
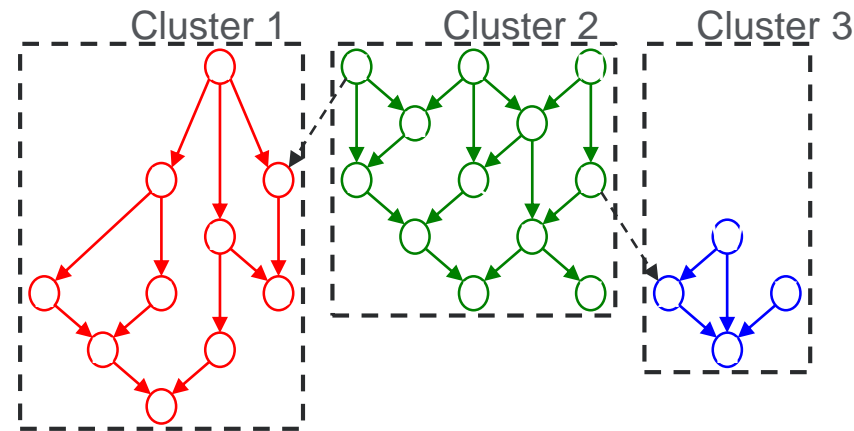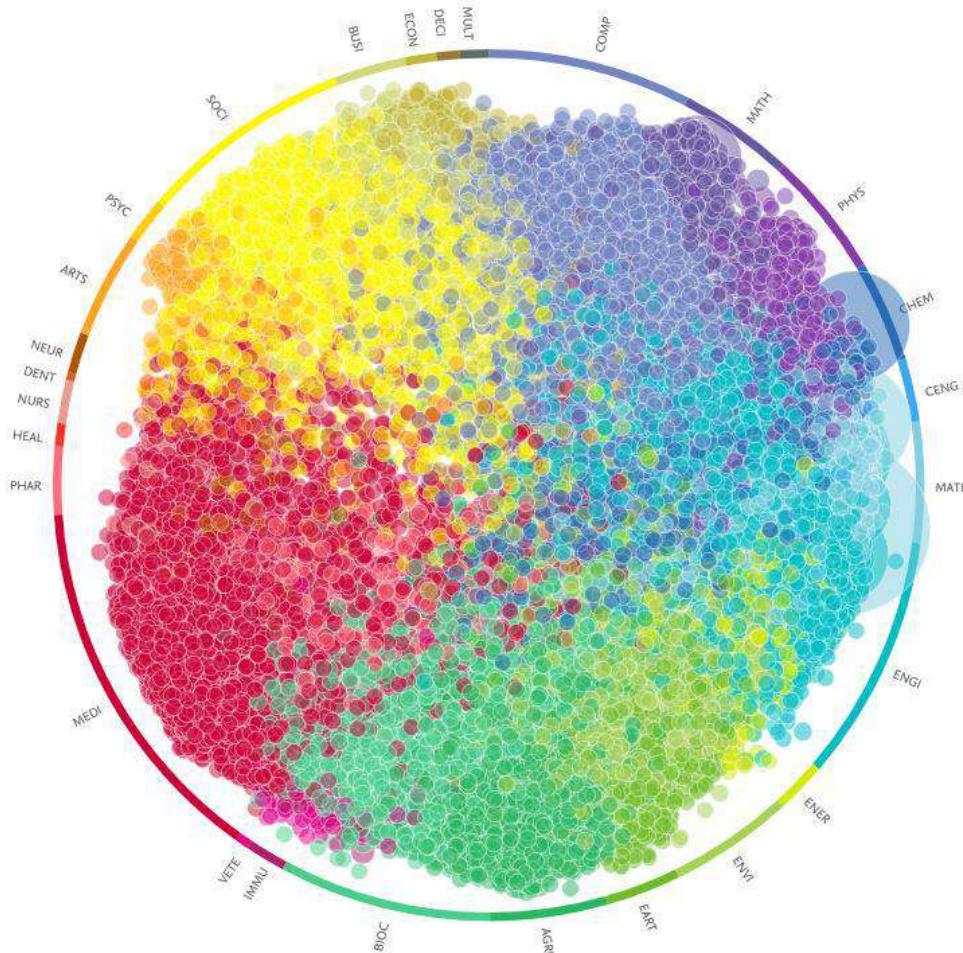
We developed an indicator of topic "Prominence" which is step toward Predictive Analytics

- "Prominence" is composite indicator assigned to each topic based on
  - Citation Count
  - Scopus Views Count
  - CiteScore of the journals the papers are published in

- Why call it "Prominence"
  - Prominence ≠ Importance (Topics can be important but not prominent)
  - Prominence ~ Visibility or Momentum

- **Topic Prominence correlates with funding**
  - Study used 255K grants from US NIH and NSF which were assigned topics using text similarity

  - Prominence on its own explains 34% of the variance in future funding per topic

  - Prominence + Funding (2008-2010) together explain 66% of the variance in Funding per topic (2011-2013)

Researchers at the University of Indonesia have contributed to 2,191 topics between 2012 to 2016

View: **All Topics** ⌄

	COMP	Computer Science
	MATH	Mathematics
	PHYS	Physics and Astronomy
	CHEM	Chemistry
	CENG	Chemical Engineering
	MATE	Materials Science
	ENGI	Engineering
	ENER	Energy
	ENVI	Environmental Science
	EART	Earth and Planetary Sciences
	AGRI	Agricultural and Biological Sciences
	BIOC	Biochemistry, Genetics and Molecular Biology
	IMMU	Immunology and Microbiology
	VETE	Veterinary
	MEDI	Medicine
	PHAR	Pharmacology, Toxicology and Pharmaceutics
	HEAL	Health Professions
	NURS	Nursing
	DENT	Dentistry
	NEUR	Neuroscience
	ARTS	Arts and Humanities
	PSYC	Psychology
	SOCI	Social Sciences
	BUSI	Business, Management and Accounting
	ECON	Economics, Econometrics and Finance
	DECI	Decision Sciences
	MULT	Multidisciplinary

Researchers at the University of Indonesia have contributed to 2,191 topics between 2012 to 2016

View: **Top 5%** ⌄ of worldwide Topics by Prominence

■	COMP	Computer Science
■	MATH	Mathematics
■	PHYS	Physics and Astronomy
■	CHEM	Chemistry
■	CENG	Chemical Engineering
■	MATE	Materials Science
■	ENGI	Engineering
■	ENER	Energy
■	ENVI	Environmental Science
■	EART	Earth and Planetary Sciences
■	AGRI	Agricultural and Biological Sciences
■	BIOC	Biochemistry, Genetics and Molecular Biology
■	IMMU	Immunology and Microbiology
■	VETE	Veterinary
■	MEDI	Medicine
■	PHAR	Pharmacology, Toxicology and Pharmaceutics
■	HEAL	Health Professions
■	NURS	Nursing
■	DENT	Dentistry
■	NEUR	Neuroscience
■	ARTS	Arts and Humanities
■	PSYC	Psychology
■	SOCI	Social Sciences
■	BUSI	Business, Management and Accounting
■	ECON	Economics, Econometrics and Finance
■	DECI	Decision Sciences
■	MULT	Multidisciplinary

Activity of the University of Indonesia

Within: **Dengue; Dengue Virus; tetravalent dengue**   T.14 | Year range: 2012 to 2016 |

Performance

Scholarly Output
17

Field-Weighted Citation Impact
8.37

International Collaboration
12

View list of publications

Views Count
428

Citation Count
634

Worldwide Topic Prominence
99.781

Activity of the University of Indonesia

Within: **Dengue; Dengue Virus; tetravalent dengue**   T.14 | Year range: 2012 to 2016 |

Collaboration

International Collaboration

Publications co-authored with Institutions in other countries

University of Indonesia:

70.6%

Academic-Corporate Collaboration

Publications with both academic and corporate affiliations

University of Indonesia:

29.4%

Top 15 keyphrases

Based on 17 publications

Dengue

Dengue Virus

Dengue Vaccines

Dengue Hemorrhagic Fever

Indonesia

Infection

World Health Organization

Disease

Vaccines

Activity of the University of Indonesia

Within: **Dengue; Dengue Virus; tetravalent dengue**   T.14 | Year range: 2012 to 2016 |

Most active Authors

Top 10 Authors at the University of Indonesia in this Topic, by Scholarly Output

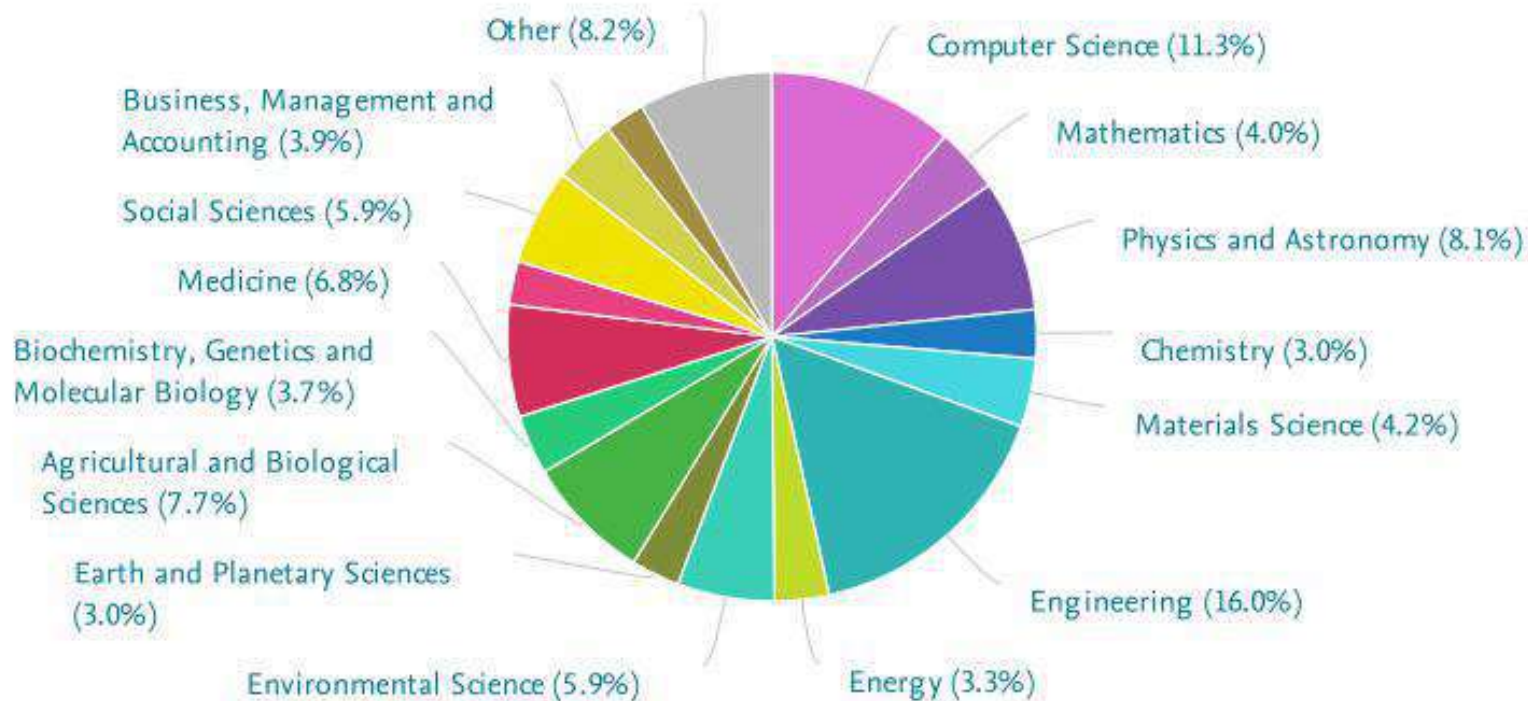|	Author	Scholarly Output 🌀
1.	Hadinegoro, Sri Rezeki S.	6
2.	Dewi, Beti Ernawati	4
3.	Nainggolan, Leonard	3
4.	Sudiro, Tjahjani Mirawati	3
5.	Hadinegoro, Sri Rezki S.	2
6.	Putri, Dwi Hilda Ilda	2
7.	Sjatha, Fithriyah	2
8.	Rachman, Andhika	1

What can SciVal tell us about Indonesia?

Indonesia

2012 to 2017 | no subject area filter selected | ASJC

Indonesia's research papers are cited 17% less than world average (FWCI = 0.83)

Overall research performance

Publications	Citations	Authors	Field-Weighted Citation Impact	Citations per Publication
45,769 ▲	108,590	52,385 ▲	0.83	2.4

Other (8.2%)
Business, Management and Accounting (3.9%)
Social Sciences (5.9%)
Medicine (6.8%)
Biochemistry, Genetics and Molecular Biology (3.7%)
Agricultural and Biological Sciences (7.7%)
Earth and Planetary Sciences (3.0%)
Environmental Science (5.9%)
Energy (3.3%)
Engineering (16.0%)
Materials Science (4.2%)
Chemistry (3.0%)
Physics and Astronomy (8.1%)
Mathematics (4.0%)
Computer Science (11.3%)

Benchmarking the Publication Year and Scholarly Output

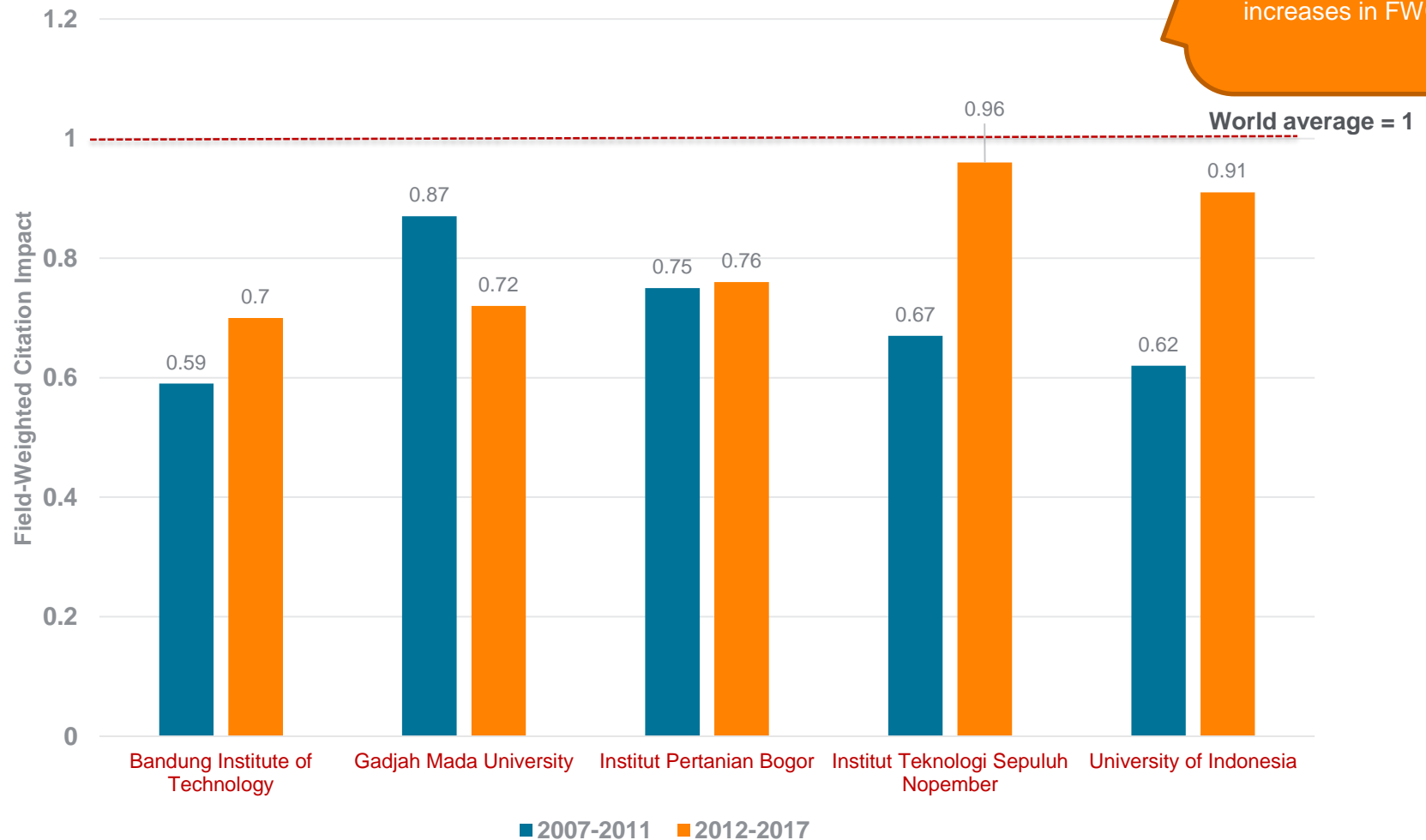Year range: 2007 to 2017   Data source: Scopus, up to 30 Aug 2017
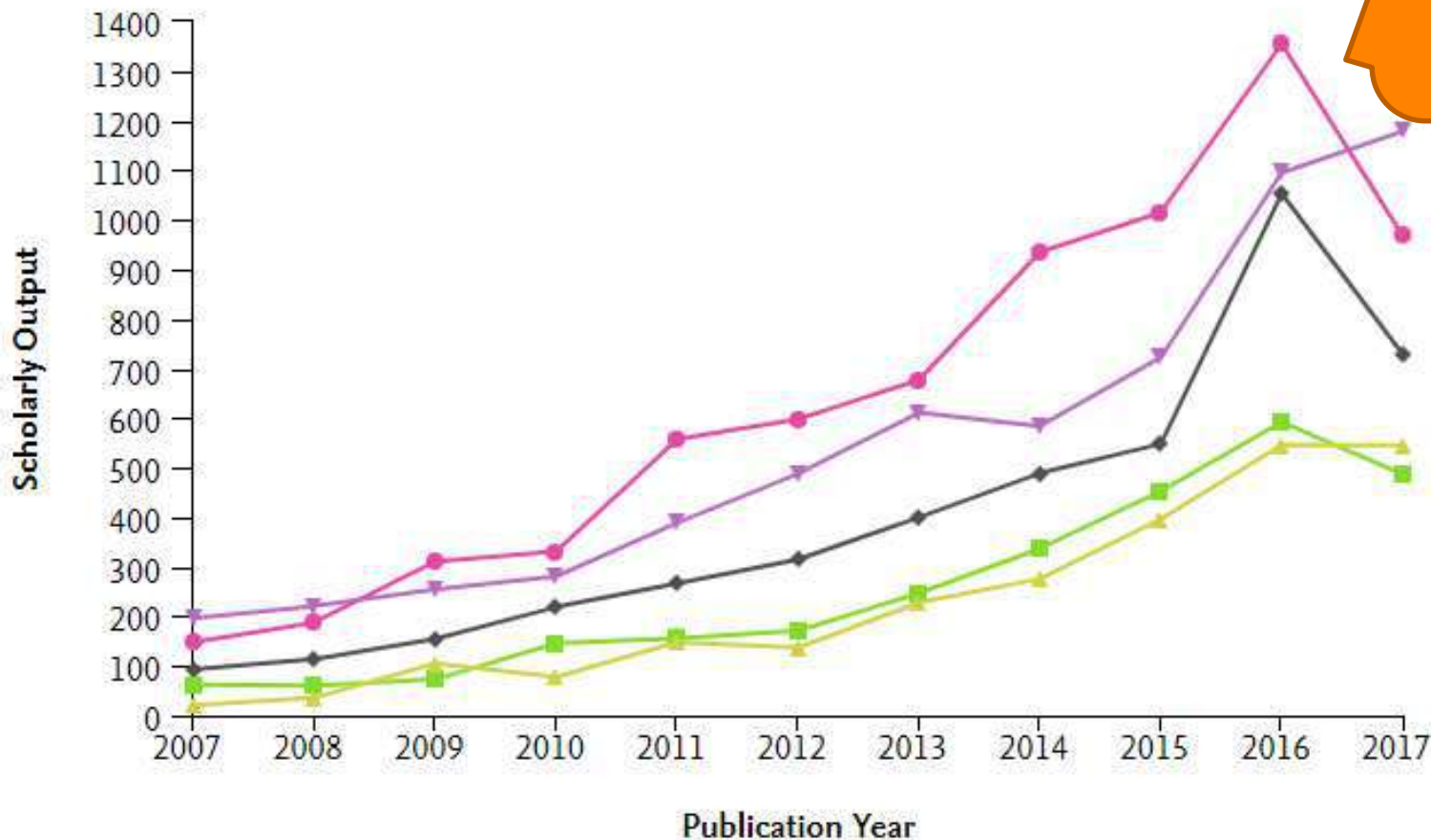
Universitas Indonesia looks on track to become the most prolific university in Indonesia.

- Bandung Institute of Technology
- Institut Pertanian Bogor
- University of Indonesia
- Gadjah Mada University
- Institut Teknologi Sepuluh Nopember

Collaboration & Knowledge Transfer

ELSEVIER

Empowering Knowledge
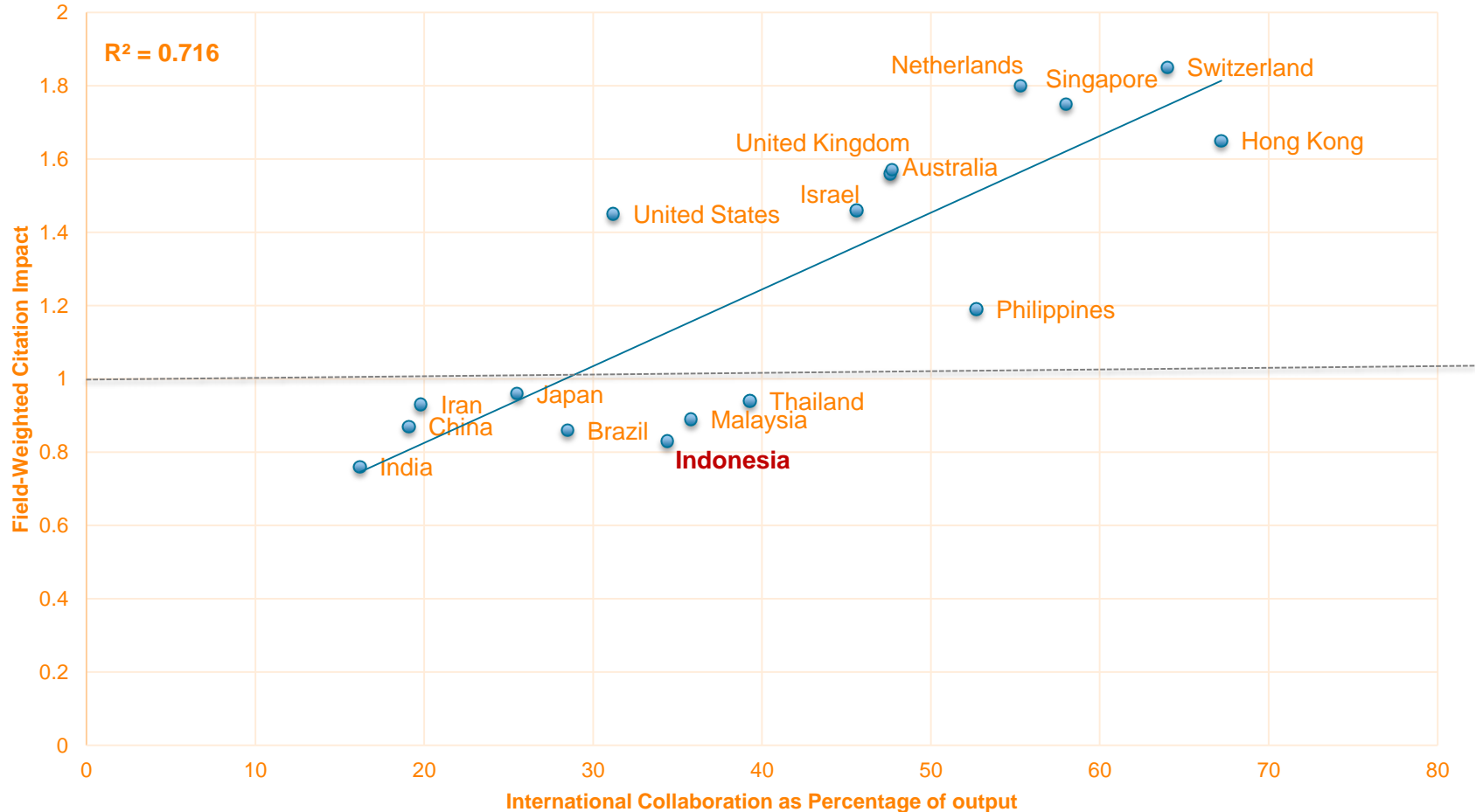
Collaboration Impact (2012-2017)

Collaboration Impact = the average number of citations per paper (CPP) received by papers of a specific collaboration type.

Entity	Single	Institutional	National	International
Indonesia (all)	0.7	0.8	1.0	5.4
Universitas Indonesia	1.1	1.1	1.0	5.9
Institut Teknologi Sepuluh Nopember	1.1	1.1	1.3	3.3
Institut Pertanian Bogor	0.7	0.7	1.5	4.6
Gadjah Mada University	0.8	1.0	0.8	4.0
Istitute of Technology Bandung	1.2	0.9	1.0	4.8

Key findings:
- Internationally collaborated papers are defacto the highest cited publication type.

International Collaboration vs. Citation Impact 2012-2017

Key findings:
- There is a significant positive correlation between level of international collaboration and Field-Weighted Citation Impact at a national level.

Cross Sector Collaboration (all)

Universitas Indonesia

Metric		Publications	Citations	Citations per Publication
■ Academic-corporate collaboration	1.2%	56	1,272	22.7
■ No academic-corporate collaboration	98.8%	4,623	9,942	2.2

Bandung Institute of Technology

Metric		Publications	Citations	Citations per Publication
■ Academic-corporate collaboration	0.5%	30	188	6.3
■ No academic-corporate collaboration	99.5%	5,518	9,600	1.7

Gadjah Mada University

Metric		Publications	Citations	Citations per Publication
■ Academic-corporate collaboration	0.3%	11	31	2.8
■ No academic-corporate collaboration	99.7%	3,523	6,873	2.0

Institute Pertanian Bogor

Metric		Publications	Citations	Citations per Publication
■ Academic-corporate collaboration	0.4%	9	53	5.9
■ No academic-corporate collaboration	99.6%	2,278	4,687	2.1

Institut Teknolgi Sepuluh Nopember

Metric		Publications	Citations	Citations per Publication
■ Academic-corporate collaboration	0.1%	3	20	6.7
■ No academic-corporate collaboration	99.9%	2,126	3,396	1.6

Academic-Industry Collaboration is often High Impact.

It may also represent knowledge transfer between sectors

And may lead to innovation

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