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Многофакторный анализ результатов научно-исследовательской деятельности вуза с помощью метрик SciVal

Алексей Валериевич Лутай

Research Intelligence – Russia, Belarus & Ukraine

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Elsevier Research Intelligence

SciVal

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Готовые инструменты для анализа мировой науки и выработки перспективной стратегии развития

Pure

Взгляд изнутри

Комплексная информационная система управления научными исследованиями

Analytical Services

Кастомизированный анализ

Кастомизированные отчеты с детальным анализом научно-исследовательского потенциала организации

Scopus

Большой набор данных

Крупнейшая база данных рецензируемых публикаций и цитирования для мониторинга и анализа публикационной активности

Mendeley

Повышение продуктивности

Бесплатный менеджер ссылок и социальная сеть общения ученых для поддержки коллабораций и организации эффективного научного процесса

← Выработка стратегии исследований

→ Поддержка исследований →

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Sciences**
6600

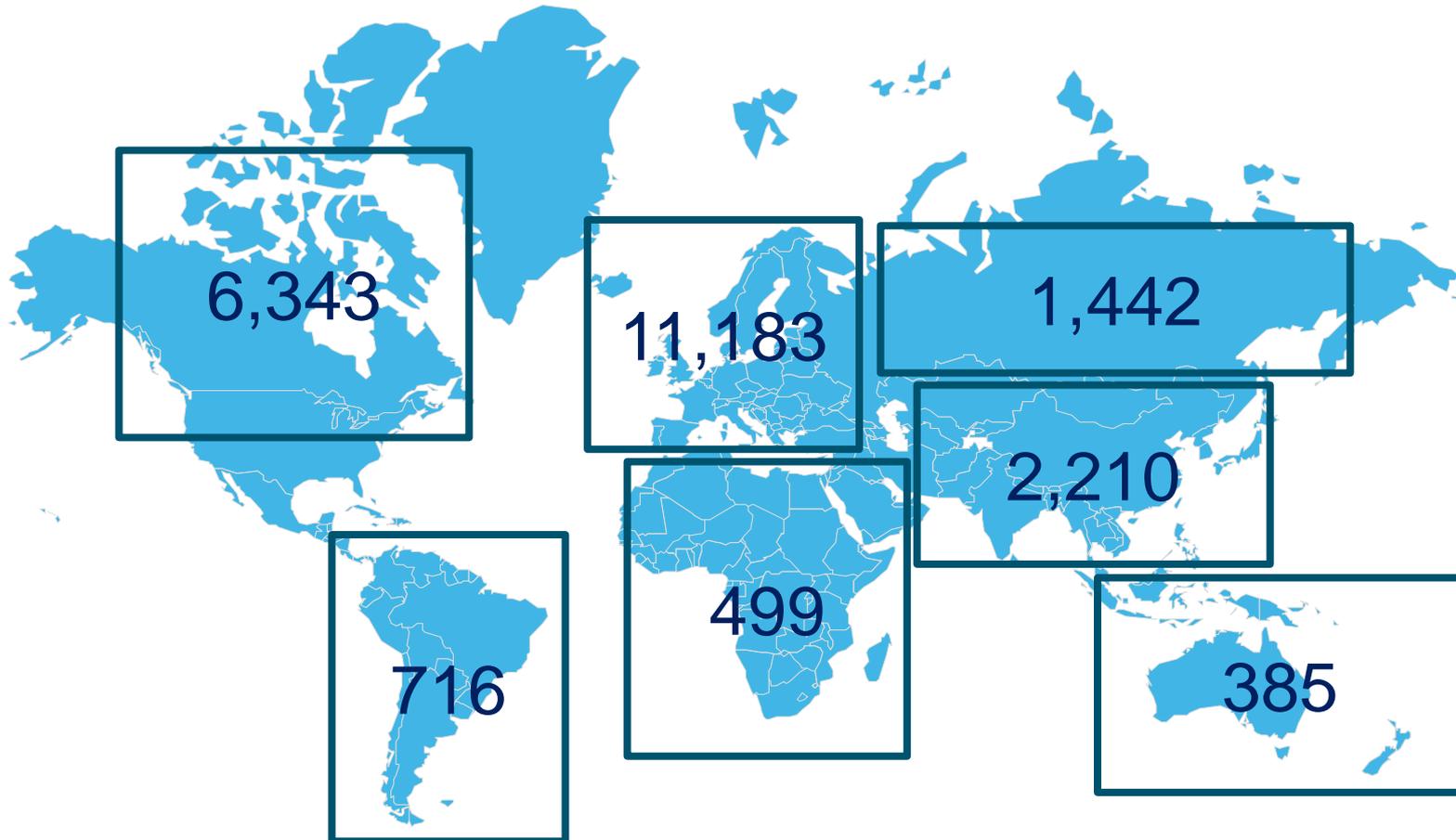
**Health
Sciences**
6300

Life Sciences
4050

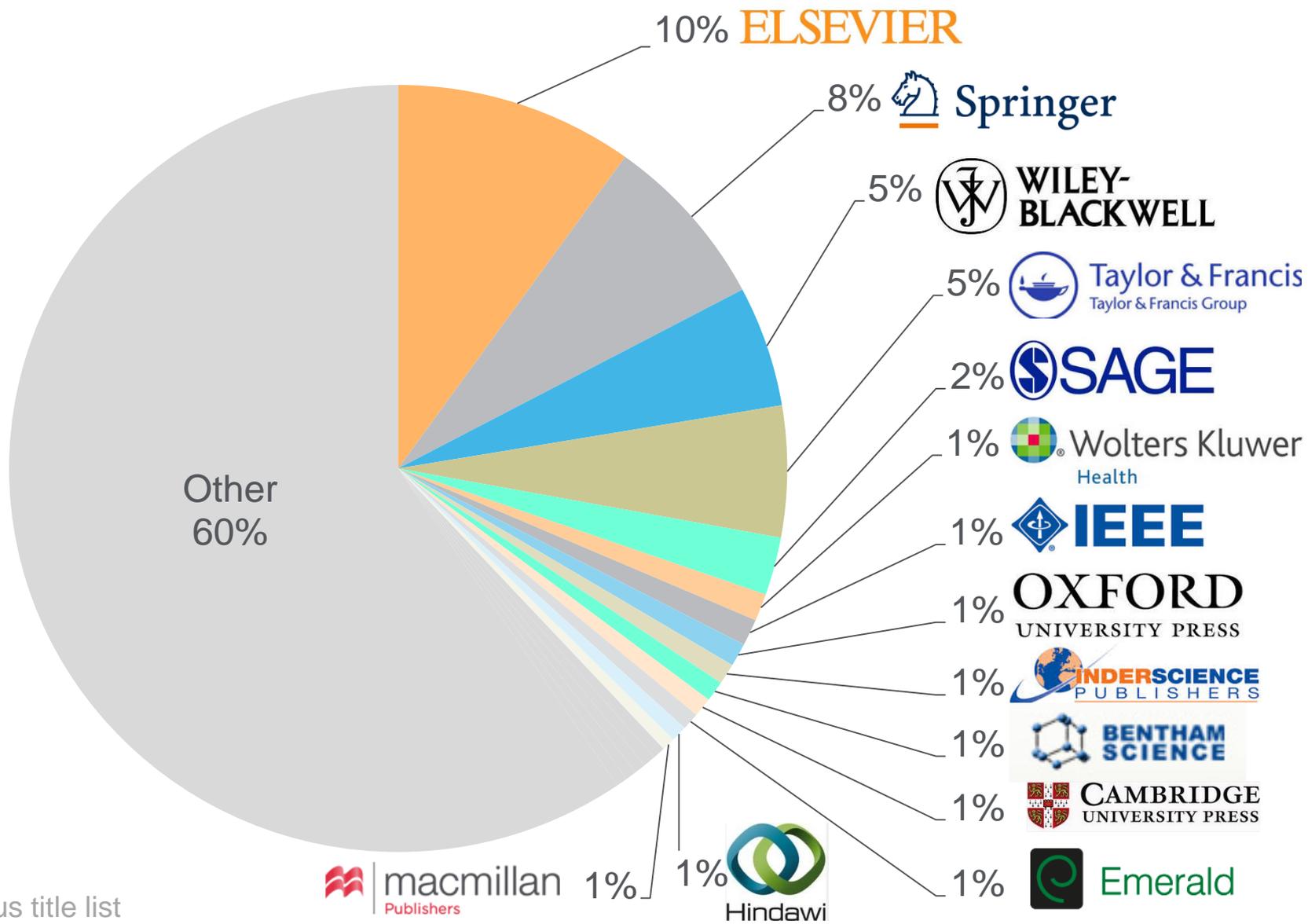
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Sciences**
6350

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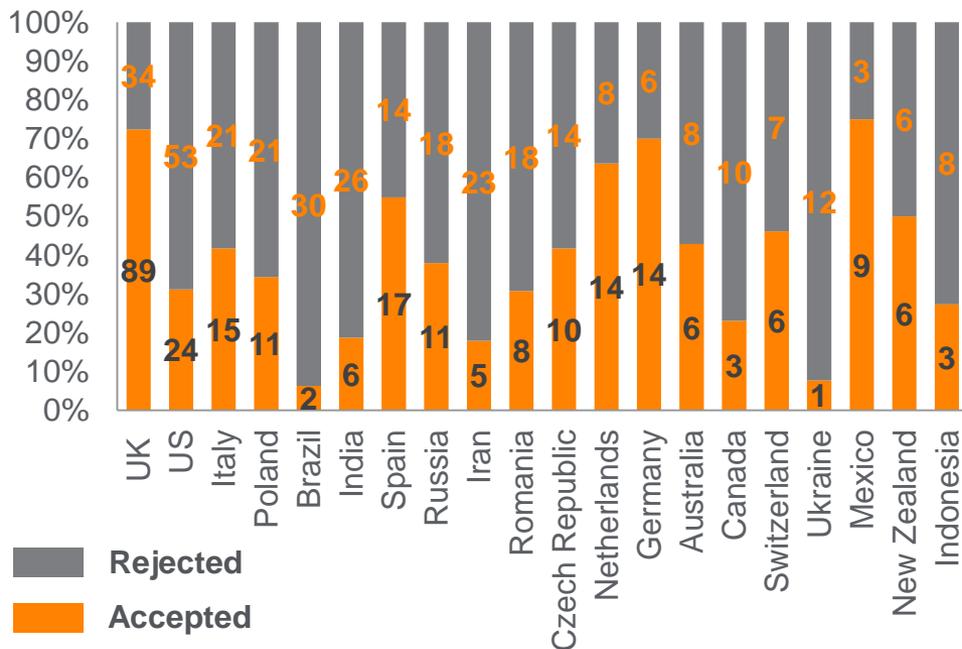


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Southern Federal University (739)

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Southern Scientific Centre, Russian Academy of Sciences (38)

Don State Technical University (36)

Lomonosov Moscow State University (16)

Country/Territory

Russian Federation (733)

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	Full Text	View at Publisher		Open Access	
<input type="checkbox"/>	Influence of epitaxial strain on clustering of iron in Pb(Fe1/2Nb1/2) O3 thin films 2	Prosandeev, S.A., Raevski, I.P., Raevskaya, S.I., Chen, H.	2015	Physical Review B - Condensed Matter and Materials Physics	0
	Full Text	View at Publisher			
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	Full Text	View at Publisher			
<input type="checkbox"/>	Protective mechanism of the soil-plant system with respect to heavy metals 4	Mandzhieva, S.S., Minkina, T.M., Chaplygin, V.A., (...), Sherstnev, A.K., Zamulina, I.V.	2015	Journal of Soils and Sediments	0
	Full Text	View at Publisher		Article in Press	
<input type="checkbox"/>	Vasiliï lich Denisov: Historical portrait at the backdrop of the Russian modernization (end of XIX - Beginning of XX century) 5	Bratolyubova, M.V., Brizgalova, I.G., Samarina, N.V.	2015	Bylye Gody 38 (4), pp. 948-954	0 Cited by
	Show abstract	Related documents		Open Access	
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Профиль автора и анализ научной деятельности

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Volgograd State Technical University, Volgograd, Russian Federation

Author ID: 7003436556

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h Index: 6 The *h* Index considers Scopus articles published after 1995.

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Subject area: Chemistry, Materials Science View More

179 Documents | Cited by 194 documents since 1996 | 150 co-authors

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The efficiency of using fluorine-containing surfactants for property modification of polyurethanes filled with chalk	Lyapunov, A.Y., Vaniev, M.A., Titova, E.N., (...), Berlin, A.A., Novakov, I.A.	2014	Polymer Science - Series D	0
A new insight into the mechanism of 1,3-dienes cationic polymerization III: Polymerization of 1,3-pentadiene with CF ₃ COOD/TiCl ₄ initiating system: Chain-ends structure and kinetics	Rozentsvet, V.A., Kozlov, V.G., Korovina, N.A., Novakov, I.A., Kostjuk, S.V.	2014	Macromolecular Chemistry and Physics	0
The influence of the composition of copolymers of chlorophosphorus-and silicon-containing methacrylates with a vinyl ester resin on their properties	Novakov, I.A., Bakhtina, G.D., Kochnov, A.B., Ustinova, K.S., Rudakova, T.A.	2014	International Polymer Science and Technology	0

Author History

Publication range: 1976 - Present

References: 2693

Source history:

Colloid and Polymer Science View documents

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Novosibirskaja Oblast, Russian Federation
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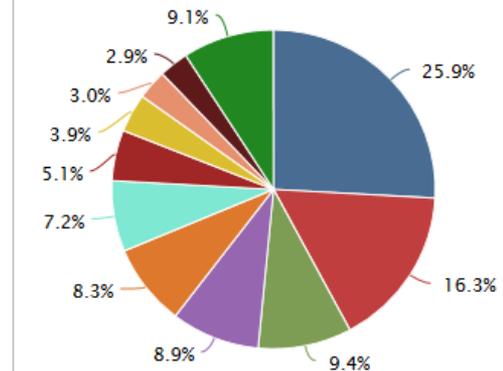
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Authors: **2,769**
Patent results: 6

Documents by subject area

Chart Table



Collaborating affiliations

- Siberian Branch, Russian Academy of Sciences
- Borisev Institute of Catalysis SB RAS
- Nikolaev Institute of Inorganic Chemistry of SB RAS
- Budker Institute of Nuclear Physics of the Siberian Branch of the RAS
- Alikhanov Institute for Theoretical and Experimental Physics

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Source	Documents
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Physical Review Letters	192

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ReachNC



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NSF



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TCI - Thailand

NRF -Korea



Nanyang Technological University



ERA 2014

Rankings:



Аналитические отчеты

UK's national **Research Excellence Framework** assessment program, 2014



International Comparative Performance of UK Research Base, UK (BIS), 2011 & 2013

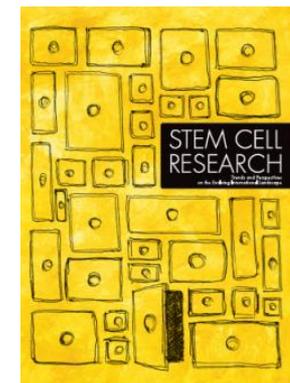
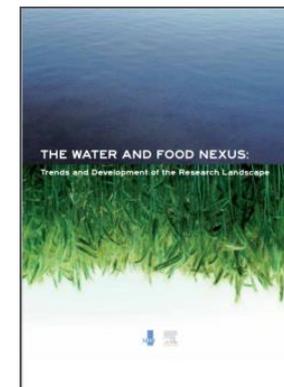


National Excellence in Research for Australia assessment program, 2012

The Water & Food Nexus, 2012
Stem Cell Research, 2013

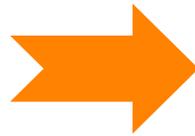


Science Europe report on European research collaboration and researcher mobility, 2013



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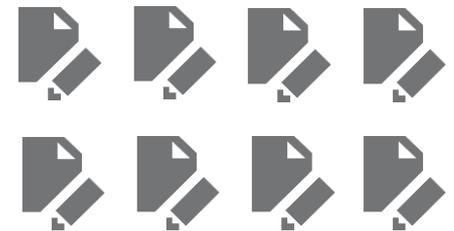
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МЛН



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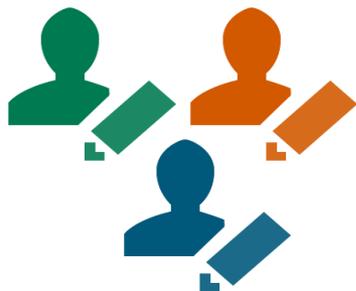


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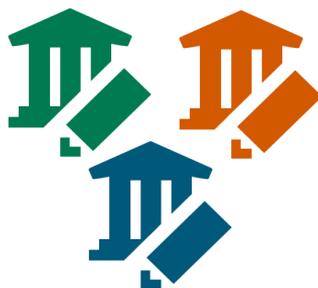
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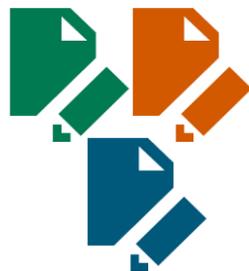
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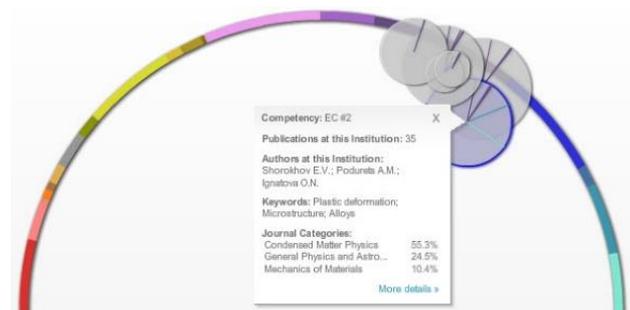
СТРАНЫ



ПУБЛИКАЦИИ



КЛЮЧЕВЫЕ СЛОВА



КОМПЕТЕНЦИИ

Возможный набор метрик для анализа

Продуктивность



Scholarly Output
h-indices (*h*, *g*, *m*)

Цитируемость



Citation Count
Citations per Publication
Cited Publications



h-indices (*h*, *g*, *m*)
Field-Weighted Citation Impact
Publications in Top Citing %
Publications in Top Journal %
Collaboration Impact (geo)
Corporate Collaboration Impact

Сотрудничество

Authorship Count
Number of Citing Countries
Collaboration (geographical) 
Academic-Corporate Collaboration

Интерес (просмотры)

Views count
Views per publication
Field-Weighted Views Impact

Область знаний

Journal count
Journal category count

SciVal Metrics Guidebook

Это полное руководство поможет найти и определиться с нужными метриками для получения ответа на поставленные вопросы.

SciVal

Home Overview Benchmarking Collaboration

Welcome to SciVal

Galina Yakshonak Help

- Online Manual
- Quick Guide to SciVal
- クイックリفرنスガイド (日本語)
- SciVal Metrics Guidebook

Example 4: Number of Citing Countries

Scenario: The user would like to calculate the Number of Citing Countries of an entity that consists of publications. They have not selected any viewing or calculation options. So that this entity has received 4 citations from publications A, B, C, D, E and F.

	Publication A	Publication B	Publication C	Publication D	Publication E	Publication F
Cited by Publication A	Yes					Yes
Cited by Publication B		Yes				
Cited by Publication C	Yes	Yes			Yes	Yes
Cited by Publication D	Yes	Yes	Yes	Yes	Yes	Yes
Cited by Publication E	Yes	Yes	Yes	Yes	Yes	Yes
Cited by Publication F		Yes				Yes

Scenario: The citing publications A, B, C, D, E and F have the following affiliation information:

Citing Publication	A1	A2	A3	A4
Publication A	AS	AS	AS	AS
Publication B	AS	AS	AS	AS
Publication C	AS	AS	AS	AS
Publication D	AS	AS	AS	AS
Publication E	AS	AS	AS	AS
Publication F	AS	AS	AS	AS

Question: How do I calculate the number of Citing Countries?

Answer: Count the number of distinct countries in the affiliations of the citing publications.

Number of Citing Countries = 4

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4.9 Metric: Field-Weighted Citation Impact

Field-Weighted Citation Impact in SciVal indicates how the number of citations received by an entity's publications compares with the average number of citations received by all other similar publications in the data system, how do the citations received by the entity's publications compare with the world average?

- A Field-Weighted Citation Impact of 1.00 indicates that the entity's publications have been cited exactly as would be expected based on the global average for similar publications. The 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. For example, 1.10 means 10% more cited than world average.
- A Field-Weighted Citation Impact of less than 1.00 indicates that the entity's publications have been cited less than would be expected based on the global average for similar publications. For example, 0.87 means 13% less cited than world average.

Similar publications are those publications in the Scopus database that have the same publication year, publication type, and discipline, as represented by the Scopus journal classification system.

- Publications can be assigned to a classification system in 2 ways:
 - "Journal-driven" assignment assumes that every publication within a journal fits within the same discipline(s) on the journal's scope. Each publication automatically adopts the subject classification that was assigned to the journal. This method of assignment is suitable for journals that are focused in a core field, and do not tend to include publications that are also relevant to other fields.
 - "Publication-driven" assignment assumes that publications within a journal may have additional or different relevance to fields outside the core focus of the journal's scope. Publication-driven assignment offers the benefit of being able to assign individual publications from a journal separately to their relevant classifications. This is important for publications in multi-disciplinary journals.
- Field-Weighted Citation Impact uses "publication-driven" assignment.
- Publications are allocated to the classification sub-category level, and can be allocated to more than 1 sub-category. When we calculate the expected citations for similar publications, it is important that these multi-category publications do not count too much weight. For example, if publication P belongs to both in both parasitology and microbiology, it should not have double the influence of a publication that belongs to only one or the other sub-category. This is accounted for in SciVal by distributing publications and citation counts equally across multiple journal categories. Publication P would be counted as 0.5 publications for each of parasitology and microbiology, and its citations would be shared equally between these two sub-categories.

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- **Понимание метрик**
 - Scopus как источник информации
- **Выбор подходящих метрик**
 - Что еще влияет на их значение?
- **Для каждой метрики**
 - Ситуации в которых они используются
 - Когда обратить внимание и как решать недочеты
 - Рабочие примеры

Download the guidebook: http://bit.ly/scival_metrics_guide
View the quick-start webinar: <http://youtu.be/oS-vTU9cqps>

SciVal: аналитическая платформа для оценки состояния и поиска новых возможностей для исследований

SciVal

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Используем готовые объекты или создаем сами



Institutions (+ groups)



Research Areas



Countries (+ groups)



Publications (+ groups)



Researchers (+ groups)

- ❖ Готовые данные: 5,000+ организаций, 250 стран и группы (напр. EU28, US states, 5top100 и др.)
- ❖ Создаем самостоятельно любые объекты.



Overview

Выбор периода и предметной области

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2012 to 2015



Computer Science



ASJC

3 years	2012 to 2014
3 years + current year	2012 to 2015
3 years + current year + beyond current year	2012 to >2015
5 years	2010 to 2014
5 years + current year	2010 to 2015
5 years + current year + beyond current year	2010 to >2015

- no subject area filter selected
- no subject area filter selected
- ▶ Agricultural and Biological Sciences
 - ▶ Arts and Humanities
 - ▶ Biochemistry, Genetics and Molecular Biology
 - ▶ Business, Management and Accounting
 - ▶ Chemical Engineering
 - ▶ Chemistry
 - ▼ Computer Science
 - Artificial Intelligence
 - Computational Theory and Mathematics
 - Computer Graphics and Computer-Aided Design
 - Computer Networks and Communications
 - Computer Science Applications
 - Computer Vision and Pattern Recognition
 - General Computer Science
 - Hardware and Architecture
 - Human-Computer Interaction
 - Information Systems
 - Signal Processing
 - Software
 - ▶ Decision Sciences
 - ▶ Dentistry
 - ▶ Earth and Planetary Sciences
 - ▶ Economics, Econometrics and Finance
 - ▶ Energy

Фильтр по 27 топ- и 334 узким предметным областям (Scopus ASJC)

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2007 to 2015



Университеты



Overview

Объект: университет (NSU)

Novosibirsk State University

★ 317th (QS ↗) · 401-500 (THE ↗) | Russian Federation | [More details on this Institution](#)

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2012 to 2015

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[ASJC](#)

Summary

Collaboration

Published

Viewed

Cited

Economic Impact

Authors

Competencies

Overall research performance



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Publications

5,817 ▲

Citations

29,647

Authors

2,991 ▲

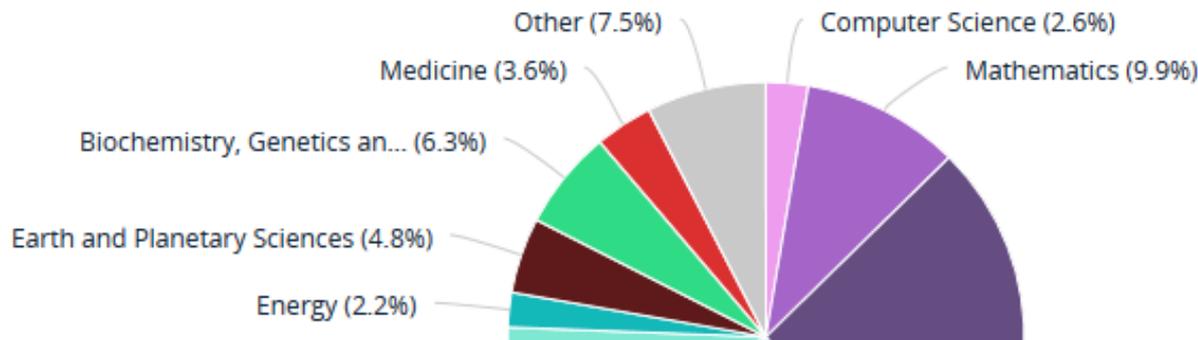
Field-Weighted Citation Impact

1.09

Citations per Publication

5.1

[View list of publications](#)





Overview

Объект: университет (FEFU)

Far Eastern Federal University

★ 651-700 (QS ↗) | Russian Federation | [More details on this Institution](#)

[View data sources](#)

2013 to 2016 ▼

Chemistry ▼

ASJC

Summary

Collaboration

Published

Viewed

Cited

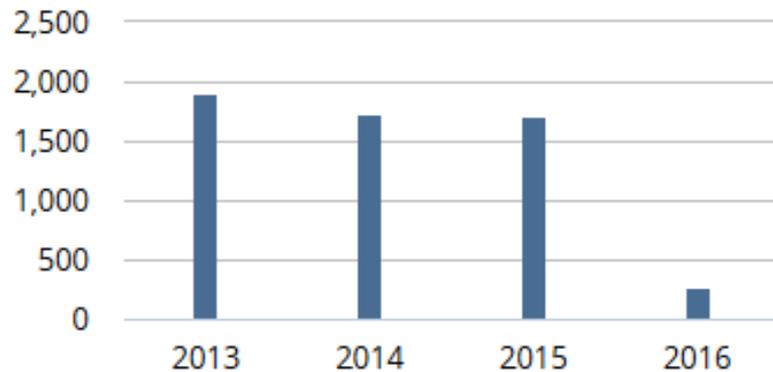
Economic Impact

Authors

Competencies

Views Count

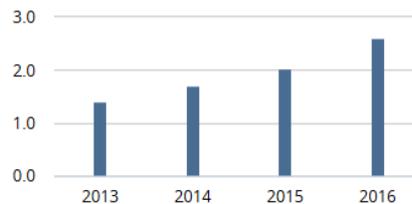
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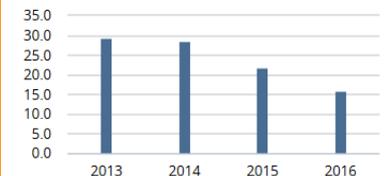
5,613

number of Scopus views received by publications at Far Eastern Federal University

Field-Weighted View Impact



Views per Publication





Overview

Объект: университет (ИТМО)

St. Petersburg National Research University of Information Technologies, Mechanics and Optics (ITMO)

Russian Federation | [More details on this Institution](#)

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2013 to 2016

Computer Science

[ASJC](#)

Summary

Collaboration

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Economic Impact

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Overall

Top collaborating Institutions

Collaboration

Shortcuts

Publications at the St. Petersburg National Research University of Information Technologies, Mechanics and Optics (ITMO), by amount of international, national and institutional collaboration



Metric		Publications	Field-Weighted Citation Impact
International collaboration	38.0%	390	2.61
Only national collaboration	12.2%	125	2.03
Only institutional collaboration	45.8%	470	2.01
Single authorship (no collaboration)	4.0%	41	1.62



Overview

Объект: университет (FMSSU)

Sechenov First Moscow State Medical University

Russian Federation | [More details on this Institution](#)

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2013 to 2015

Medicine

[ASJC](#)

Summary

Collaboration

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Economic Impact

Authors

Competencies

Authors

Export ▾

Top 100 authors, by number of publications at Sechenov First Moscow State Medical University over the period 2013 to 2015.

Note that some authors may no longer be affiliated with Sechenov First Moscow State Medical University.

Name	Publications	Most recent publication	Field-Weight	<i>h</i> -index
1. Sulimov, Vitaly A.	7	2014	6.60	4
2. Zamyatnin Jr., Andrey A.	5	2015	3.69	15
3. Shekhter, Anatoly B.	5	2015	2.41	12
4. Osipova, Vera V.	7	2015	1.41	6
5. Abdurakhmanov, Djamal T.	5	2015	1.31	3
6. Guller, Anna E.	4	2015	1.25	4



Benchmarking

Сравнение: университеты

Benchmarking

View data sources | 2013 to 2015 | Catalysis | ASJC

Chart | Table

y-axis | x-axis | Bubble size

Scholarly Output | Publication Year

Institutions and Groups

- Moscow State University
- Novosibirsk State University

View list of Scopus Sources for the selected Researchers and Groups

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Collaboration_by_year.jpg	JPEG image	108 KB	No
Collaboration_by_year.pdf	Adobe Acrobat Document	70 KB	No
Collaboration_by_year.png	PNG image	53 KB	No
Collaboration_by_year.svg	SVG File	4 KB	No



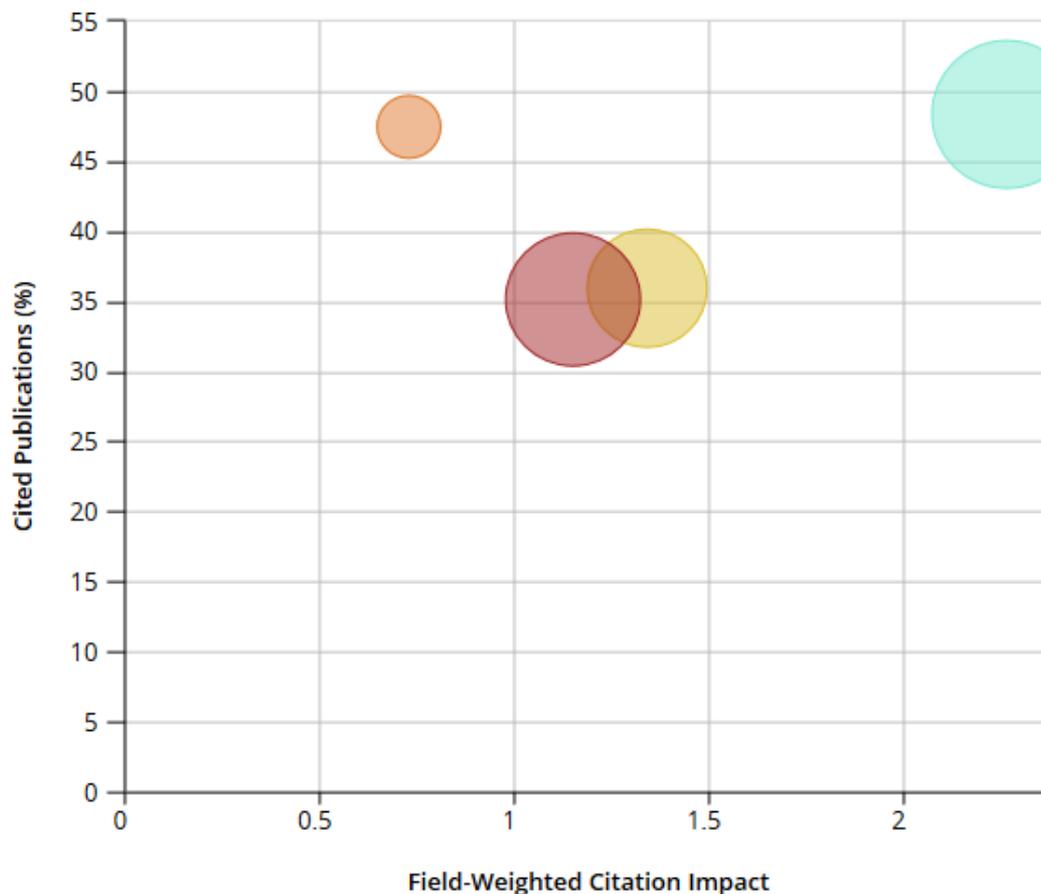
Benchmarking

Сравнение: университеты

Cited Publications

Field-Weighted Citation Impact

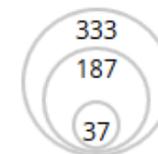
Scholarly Output



Institutions and Groups

- Moscow State University
- Novosibirsk State University
- St. Petersburg National Research University of Information Technologies, Mechanics and Optics (ITMO)
- St. Petersburg State University

[View list of Scopus Sources for the selected Researchers and Groups](#)



Scholarly Output

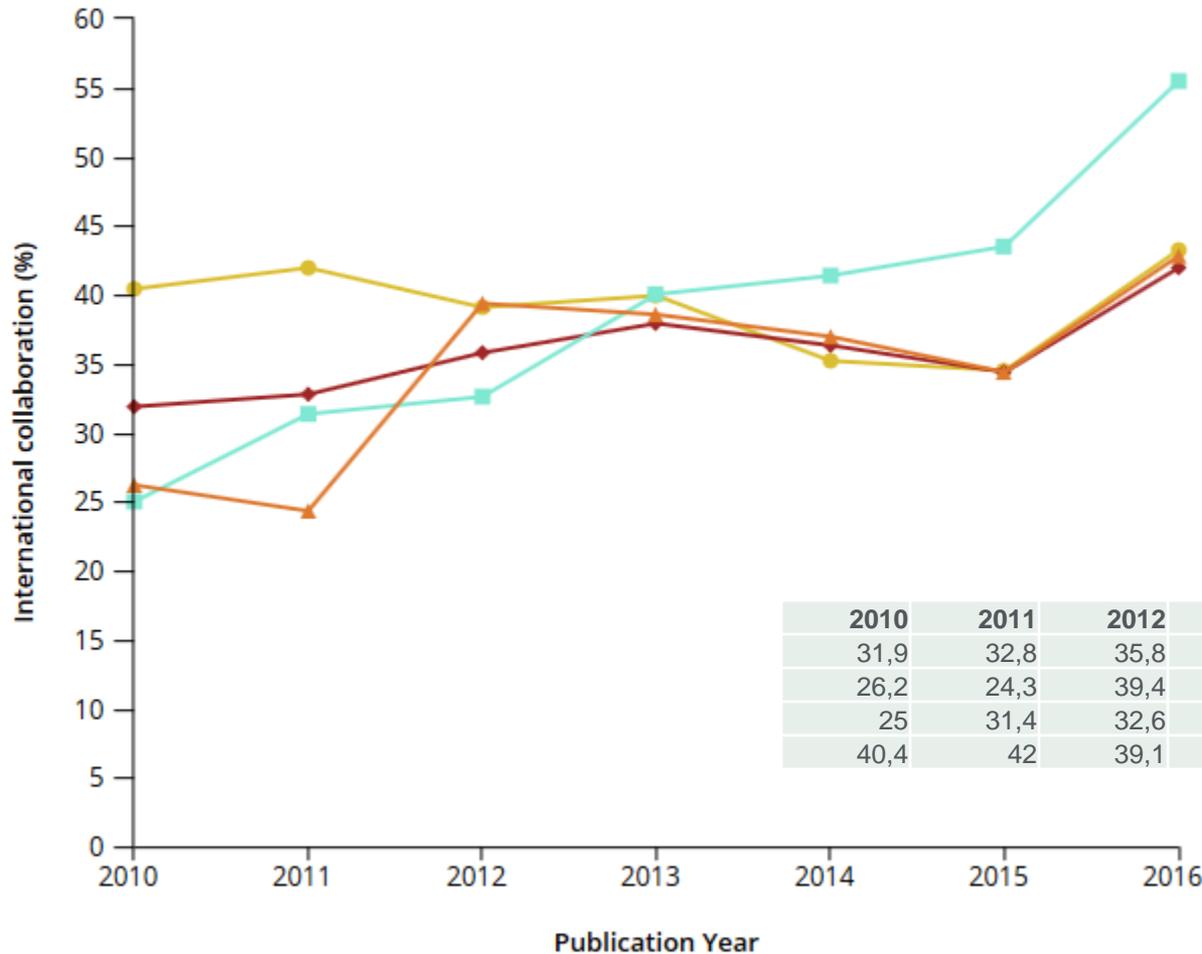


Benchmarking

Сравнение: университеты

Collaboration

Publication Year



Institutions and Groups

- Moscow State University
- Novosibirsk State University
- St. Petersburg National Research University of Information Technologies, Mechanics and Optics (ITMO)
- St. Petersburg State University

[View list of Scopus Sources for the selected Researchers and Groups](#)

	2010	2011	2012	2013	2014	2015	2016
	31,9	32,8	35,8	37,9	36,3	34,4	42
	26,2	24,3	39,4	38,6	37	34,4	42,8
	25	31,4	32,6	40	41,4	43,5	55,5
	40,4	42	39,1	39,9	35,2	34,5	43,2

Исследователи и группы

Добавляем автора

Define a new Researcher

Combine author name variants into a single researcher

STEP 1: Search STEP 2: Select STEP 3: Save

Author

Last name

 E.g., Smith

Initials or First name

 E.g., J.L.

Institution

 E.g., Ohio State University

Add additional fields ▼

- + Add a name variant
- + Add an Institution
- + Add a Scopus affiliation ID
- + Add a Scopus author ID

Define a new Researcher

Combine author name variants into a single researcher

STEP 1: Search **STEP 2: Select** STEP 3: Save

You searched for: Authurname (colledge, l)

[Show recent documents](#)

7	<input type="checkbox"/>	Colledge, C. L.	1	Medicine	Western General Hospital	United Kingdom
Show recent documents						
8	<input type="checkbox"/>	Colledge, Vicki L.	1	Medicine	Myrovlytis Trust	United Kingdom
Show recent documents						
9	<input checked="" type="checkbox"/>	Colledge, Lisa	6	Immunology and Microbiology, Social Sciences, Computer Science	Elsevier	Netherlands
Show recent documents						



Overview

Overview для автора

Hide tags

- Institutions and Groups ▾
- Researchers and Groups
 - Zharkov, Dmitry Olegovich
 - Aulchenko, Yurii S.
 - Genomics
 - Lavrik, Olga I.
 - Protein Chemistry
 - Zhimulëv, Igor F.
 - + Add Researchers and Groups
 - ✕ Remove all entities from this section
- Publication Sets ▾
- Countries and Groups ▾
- Research Areas ▾

Zharkov, Dmitry Olegovich

Institute of Chemical Biology and Fundamental Medicine, SB RAS | [View this Researcher in Scopus](#)

[View data sources](#)

2012 to >2015 ▾

no subject area filter selected ▾

[ASJC](#)

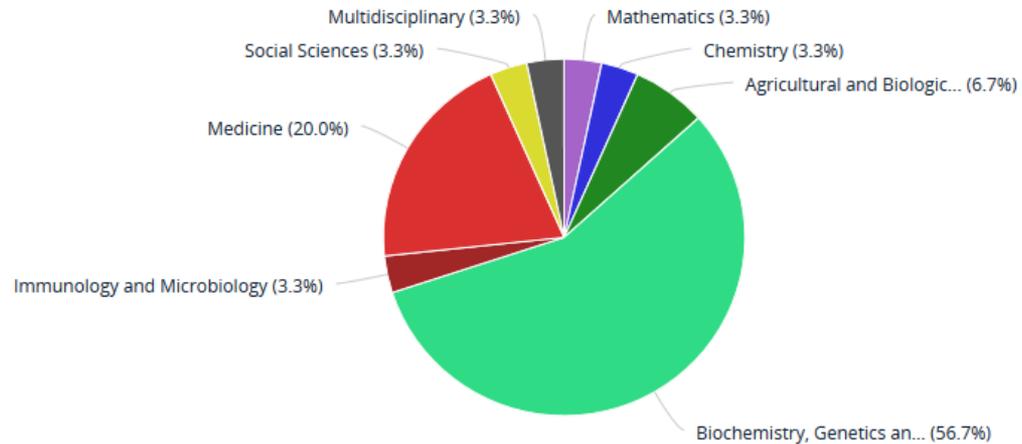
- Summary**
- Collaboration
- Published
- Viewed
- Cited
- Economic Impact

Overall research performance

[Download page as PDF](#) [Export](#) ▾

Publications	Citations	Field-Weighted Citation Impact	Citations per Publication	<i>h</i> -index
21	65	0.48	3.1	24

[View list of publications](#)



Создание группы исследователей

Institutions and Groups ▾

Researchers and Groups ▲

Maddox, Jason H.

Colledge, Lisa

Search by name 🔍

+ Define a new Researcher

+ Define a new Group of Researchers

Publication Sets and Groups ▾

Countries and Groups ▾

Research Areas and Groups ▾

Define a new Group of Researchers

STEP 1: Select Researchers

STEP 2: Save Group

Select the Researchers that will form your new Group:

All Researchers and Groups that I can use in SciVal ▾

Type to filter 🔍

- Colledge, Lisa
- Maddox, Jason H.

Your Group of Researchers consists of:

- Colledge, Lisa
- Maddox, Jason H.

Total number of publications by these Researchers: 6

Next step



Overview

Overview для группы авторов (проекта, отдела)

Hide tags

Institutions and Groups ▾

Researchers and Groups

- Genomics
- Aulchenko, Yurii S.
- Lavrik, Olga I.
- Protein Chemistry
- Zharkov, Dmitry Olegovich
- Zhimulëv, Igor F.

+ Add Researchers and Groups

✕ Remove all entities from this section

Publication Sets ▾

Countries and Groups ▾

Research Areas ▾

Genomics

[View data sources](#) | 2012 to >2015 ▾ | no subject area filter selected ▾ | [ASJC](#)

Summary
Collaboration
Published
Viewed
Cited
Economic Impact
Researchers

Export ▾ | Shortcuts ▾

There are 2 Researchers in Genomics:

Name	Publications ▾	Most recent publication	Citations ▾	h-index
1. Aulchenko, Yurii S.	49	2016	1,395	58
2. Zhimulëv, Igor F.	18	2016	68	21

Collaboration ⚙️

Shortcuts ▾

Publications of Genomics, by amount of international, national and institutional collaboration

Metric	Publications	Citations ▾
International collaboration	71.6%	48 1,386
Only national collaboration	10.4%	7 37
Only institutional collaboration	17.9%	12 40
Single authorship (no collaboration)	0.0%	0 0

Publications in Top Journal Percentiles ⚙️

Share of publications of Genomics that are in the top journals by SNIP ▾

22 (35.5%)

number of publications in the top 10% journals by SNIP

[View list of publications](#)

■ % of publications in top 10% journals

■ % of publications in top 1% journals



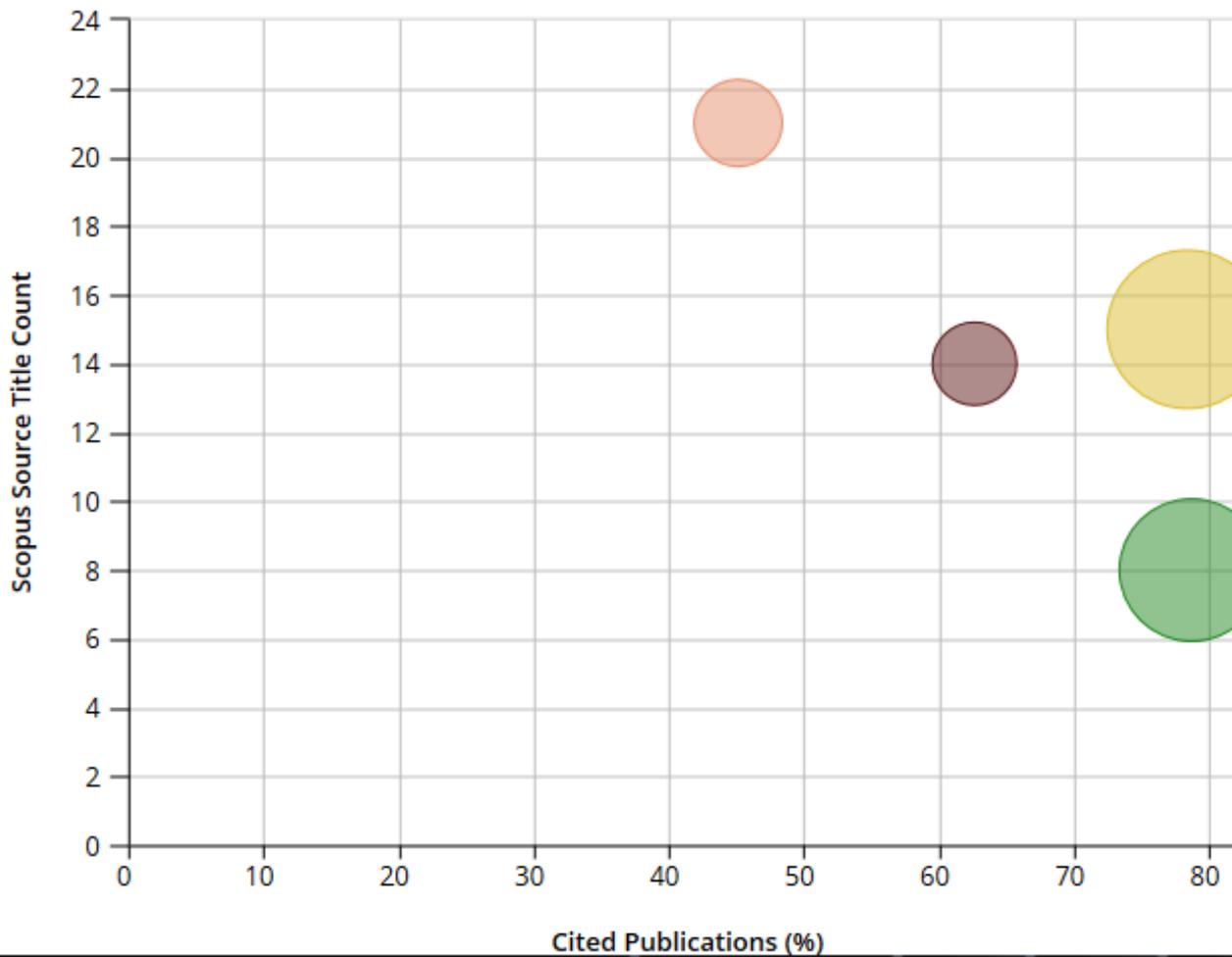
Benchmarking

Сравнительный анализ (авторы)

Scopus Source Title Count

Cited Publications

Field-Weighted Citation Impact 



Researchers and Groups

-   Aulchenko, Yurii S.
-   Lavrik, Olga I.
-   Zharkov, Dmitry Olegovich
-   Zhimulëv, Igor F.

 [View list of Scopus Sources for the selected Researchers and Groups](#)



Field-Weighted Citation Impact

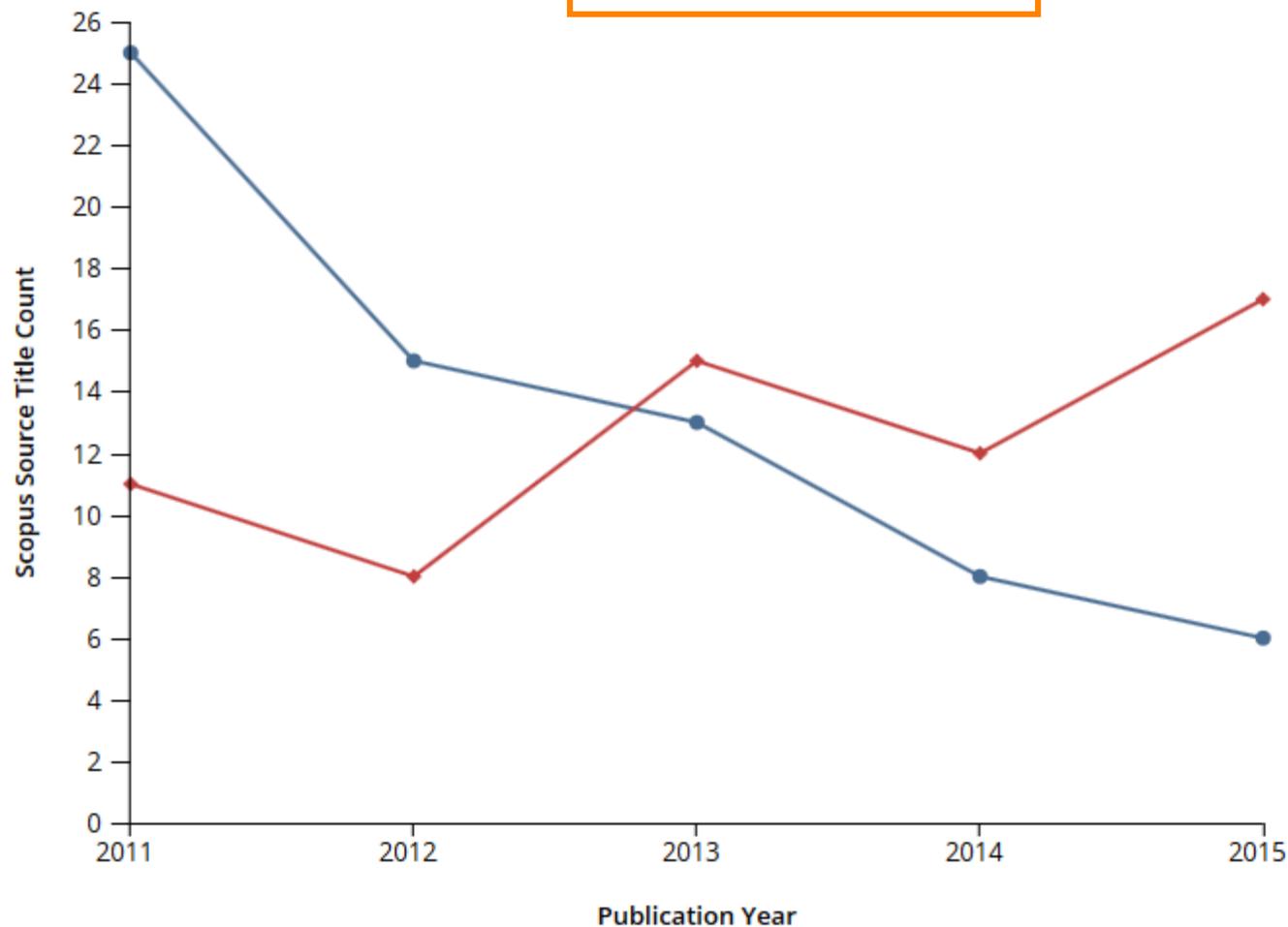


Benchmarking

Сравнительный анализ (коллективы)

Scopus Source Title Count

Publication Year



Researchers and Groups

- Genomics
- ◆ Protein Chemistry

 [View list of Scopus Sources for the selected Researchers and Groups](#)



Benchmarking

Сравнительный анализ (коллективы)

Chart Table

Export ▾

Metric 1 Metric 2 Metric 3

Entity	Field-Weighted Views Impact	Field-Weighted Citation Impact	International collaboration (%)
Genomics	2.41	2.45	63.6
Protein Chemistry	0.78	0.46	34.4

Screenshot of Microsoft Excel showing a data table with columns for Name, Scholarly Output, and Field-Weighted Citation Impact. The table lists various institutions and their corresponding metrics.

Name	Scholarly Output	Field-Weighted Citation Impact
Harvard University	287293	2.39
Northwestern University	81949	1.92
Osaka Institute of Techn	2634	0.86
Royal Melbourne Instit	13482	1.18
University of Bucharest	9196	0.8
University of Geneva	46384	1.67
University of Melbourne	77211	1.89
World Health Organizat	11553	2.69

Списки публикаций



Overview

Объект: список статей в Scopus или список ID/DOI

SAVED_LIST(DM) [Back to Saved lists](#)

258 documents Analyze search results | Export your list to SciVal

Search within results...

All Save to Saved list | Delete | CSV export | Download

Refine

Comparative analysis of the dynamics of glycemia using continuous glucose monitoring during on-pump or off-pump coronary artery bypass grafting

1

Year [View at Publisher](#)

Upload file

Here you can import a list of publications into SciVal.

Please upload a text file containing a list of publication IDs (DOI, PMID, or EID) (one ID per row, max. 20,000).



Drop file here or click to upload

Paste IDs

Alternatively, you can paste the publication IDs (DOI, PMID, or EID) in the field below (one ID per row, max. 20,000)



Overview

Overview для списка статей (напр. из Scopus)

Hide tags

- Institutions and Groups ▾
- Researchers and Groups ▾
- Publication Sets
- 📅 2016-05-08
- + Add Publication Sets
- ✖ Remove all entities from this section
- Countries and Groups ▾
- Research Areas ▾

2016-05-08

[View data sources](#)

2012 to >2015 ▾

no subject area filter selected ▾

[ASJC](#)

Summary

Collaboration

Published

Viewed

Cited

Economic Impact

Authors

Institutions

Overall

Collaboration

⚙️

Shortcuts ▾

Publications in 2016-05-08, by amount of international, national and institutional collaboration

Metric	Publications	Citations
■ International collaboration	1.6%	4
■ Only national collaboration	13.1%	33
■ Only institutional collaboration	71.8%	181
■ Single authorship (no collaboration)	13.5%	34

Выбор метрик для сравнительного анализа

Productivity metrics



Scholarly Output
h-indices (*h*, *g*, *m*)

Citation Impact metrics



Citation Count
Citations per Publication
Cited Publications



h-indices (*h*, *g*, *m*)
Field-Weighted Citation Impact
Publications in Top Percentiles
Publications in Top Journal Percentiles
Collaboration Impact (geographical)
Academic-Corporate Collaboration Impact



Snowball Metric; www.snowballmetrics.com/metrics

Collaboration metrics

Authorship Count
Number of Citing Countries
Collaboration (geographical)
Academic-Corporate Collaboration



Journal metrics

Journal count
Journal category count

SciVal Metrics Guidebook

Это полное руководство поможет найти и определиться с нужными метриками для получения ответа на поставленные вопросы.

Example 4: Number of Citing Countries

Scenario: The user would like to calculate the Number of Citing Countries of an entity that consists of publications. They have not selected any viewing or calculation options. So that this entity has received 4 citations from publications A, B, C, D, E and F.

	Publication A	Publication B	Publication C	Publication D	Publication E	Publication F
Cited by Publication A	Yes					
Cited by Publication B		Yes				
Cited by Publication C	Yes	Yes			Yes	Yes
Cited by Publication D	Yes	Yes	Yes		Yes	Yes
Cited by Publication E		Yes			Yes	Yes
Cited by Publication F			Yes			Yes

Scenario: The citing publications A, B, C, D, E and F have the following affiliation information:

Citing Publication	Affiliation	Publication	Citation
Publication A	A1	B1	C1
Publication B	A1	B1	C1
Publication B	A1	B1	C1
Publication C	A1	B1	C1
Publication C	A1	B1	C1
Publication D	A1	B1	C1
Publication D	A1	B1	C1
Publication E	A1	B1	C1
Publication E	A1	B1	C1
Publication F	A1	B1	C1
Publication F	A1	B1	C1

Question: How do I calculate the number of Citing Countries?
Answer: Count the number of distinct countries in the affiliations of the citing publications.
Number of Citing Countries = 4

4.9 Metric: Field-Weighted Citation Impact

Field-Weighted Citation Impact in SciVal indicates how the number of citations received by an entity's publications compares with the average number of citations received by all other similar publications in the data system, how the citations received by the entity's publications compare with the world average?

- A Field-Weighted Citation Impact of 1.00 indicates that the entity's publications have been cited more or less as would be expected based on the global average for similar publications. The 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; for example, 1.11 means 11% more cited than world average.
- A Field-Weighted Citation Impact of less than 1.00 indicates that the entity's publications have been cited less than would be expected based on the global average for similar publications; for example, 0.87 means 13% less cited than world average.

Similar publications are those publications in the Scopus database that have the same publication year, publication type, and discipline, as represented by the Scopus journal classification system.

- Publications can be assigned to a classification system in 2 ways:
 - "Journal-driven" assignment assumes that every publication within a journal fits within the same discipline(s) on the journal's scope. Each publication automatically adopts the subject classification that was assigned to the journal. This method of assignment is suitable for journals that are focused in a core field, and do not tend to include publications that are also a volume in other fields.
 - "Publication-driven" assignment assumes that publications within a journal may have additional or different relevance to fields outside the core focus of the journal's scope. Publication-driven assignment offers the benefit of being able to assign individual publications from a journal separately to their relevant classifications. This is important for publications in multi-disciplinary journals.
- Field-Weighted Citation Impact uses "publication-driven" assignment.
- Publications are allocated to the classification sub-category level, and can be allocated to more than 1 sub-category. When we calculate the expected citations for similar publications, it is important that these multi-category publications do not count too much weight; for example, if publication P belongs to both in both parasitology and microbiology, it should not have double the influence of a publication that belongs to only one or the other sub-category. This is accounted for in SciVal by distributing publications and citation counts equally across multiple journal categories; publications P would be counted as 0.5 publications for each of parasitology and microbiology, and its citations would be shared equally between these sub-categories.

- Понимание метрик
 - Scopus как источник информации
- Выбор подходящих метрик
 - Что еще влияет на их значение?
- Для каждой метрики
 - Ситуации в которых они используются
 - Когда обратить внимание и как решать недочеты
 - Рабочие примеры

Download the guidebook: http://bit.ly/scival_metrics_guide
 View the quick-start webinar: <http://youtu.be/oS-vTU9cqps>

Elsevier Research Intelligence

СПАСИБО ЗА ВНИМАНИЕ!

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