

О роли инструментов

Scopus & SciVal в жизненном цикле
научных исследований

Увеличение видимости отечественной науки



«Проведенное прямое сравнение двух индексов цитирования показало, что [другая база] имеет меньший **охват публикаций** пилотной группы, чем Scopus...»

“Analysis of data from the pilot exercise to develop bibliometric indicators for the REF”
2011, HEFCE



Участие в глобальном рынке образоват. услуг



“[Scopus] позволит THE глубже анализировать исследовательскую активность **более широкого круга** вузов, чем сейчас, в т.ч. из **развивающихся экономик**, чье участие в мировой науке бысто растет.

2014. Times Higher Education announces reforms to its World University Rankings



Повышение конкурентноспособности



*“...NSF выбрал Elsevier’s Scopus. Это решение вызвано необходимостью иметь более аккуратный взгляд на **глобальные тренды**, сообщила Carol Robbins, the NSF senior analyst..”*

2016. “Research gets increasingly international” by Witze, A. Nature. 10.1038/nature.2016.19198.



Развитие исследовательских коллабораций



*“...**Усложнение** научных исследований стимулирует ученых к совместной работе. **Производство научного знания смещается** от одиночек к коллективам, от учреждения к группам, от **национального к международному**...”*

2014. OECD Science, Technology and Industry Outlook 10.1787/sti_outlook-2014-en



Foreign &
Commonwealth
Office



ISTIC
INTERNATIONAL SCIENCE, TECHNOLOGY AND
INNOVATION CENTRE FOR SOUTH-SOUTH
COOPERATION UNDER THE AUSPICES OF UNESCO

Scopus/SciVal для стратегических задач развития науки

Видимость и репутация



Рынок образования



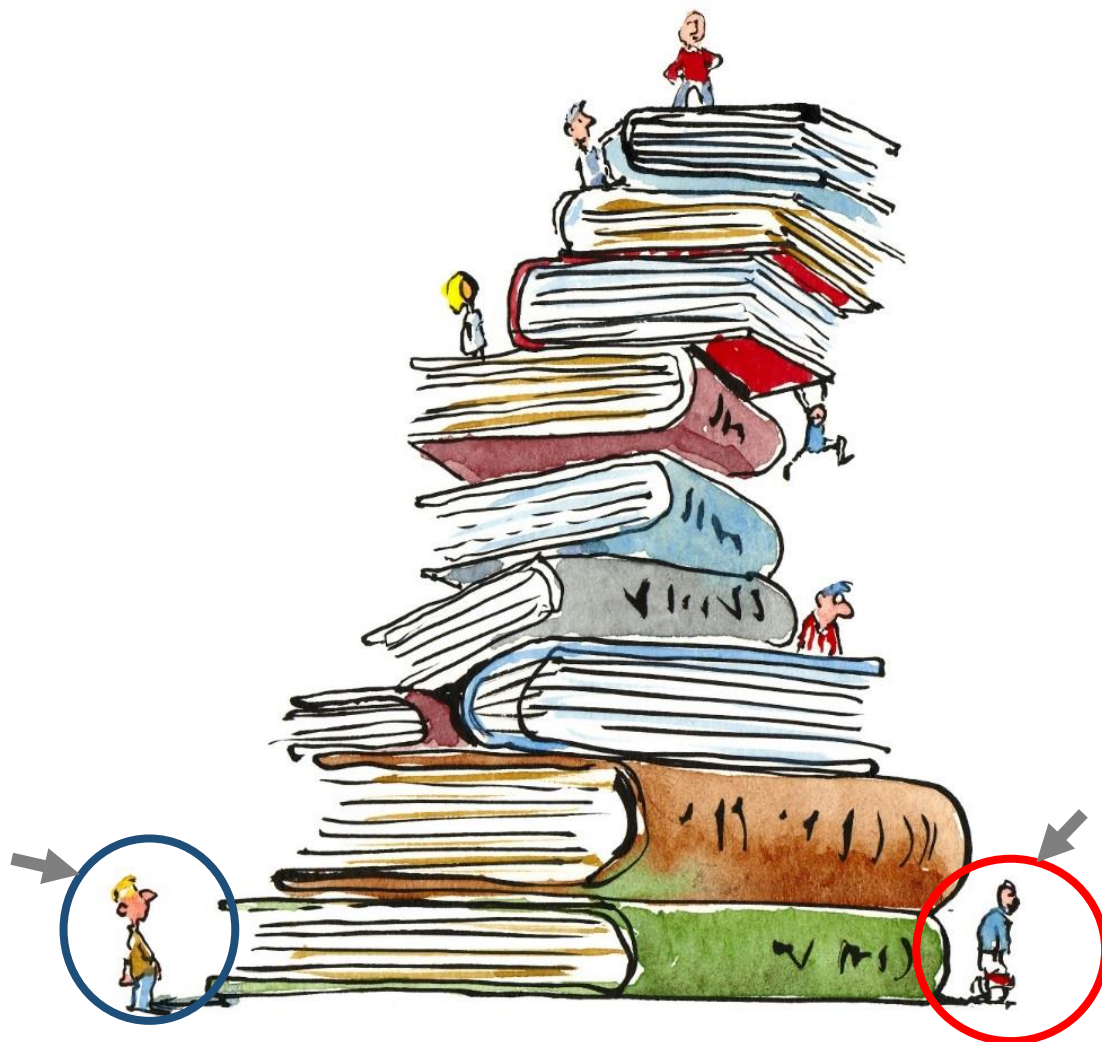
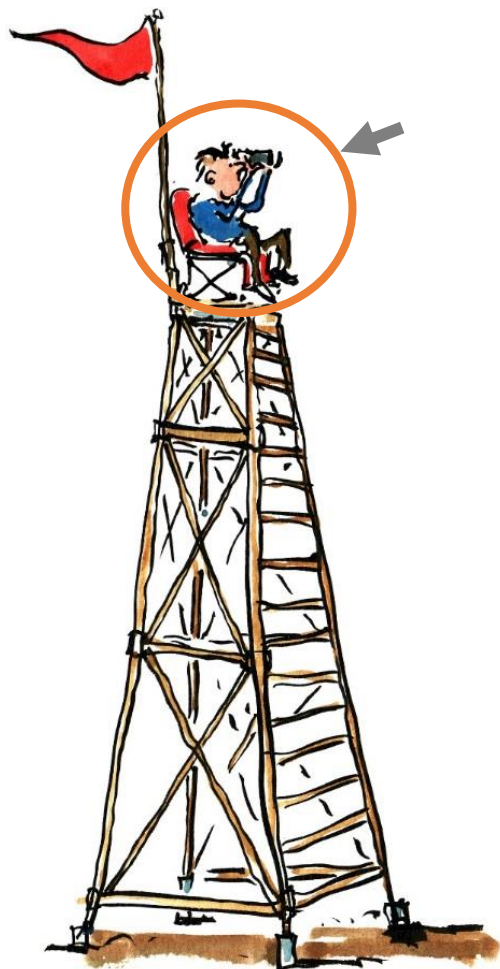
Конкуренция технологий



Развитие сотрудничества

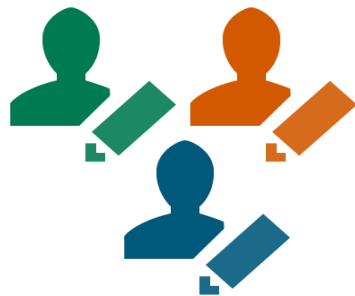


Scopus – от древнегреч. *skoros* (обзор)

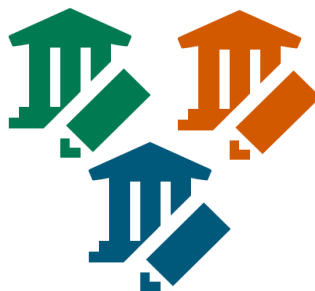


SCIVAL РАБОТАЕТ НА ДАННЫХ SCOPUS,
НО ОТКРЫВАЕТ НОВЫЕ ПЕРСПЕКТИВЫ

ПОИСК, АНАЛИЗ, СРАВНЕНИЕ



АВТОРЫ



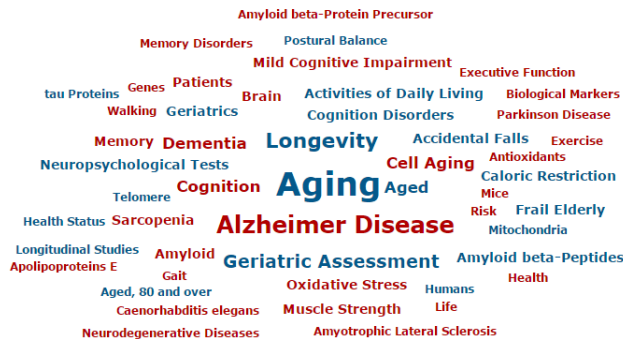
ОРГАНИЗАЦИЯ



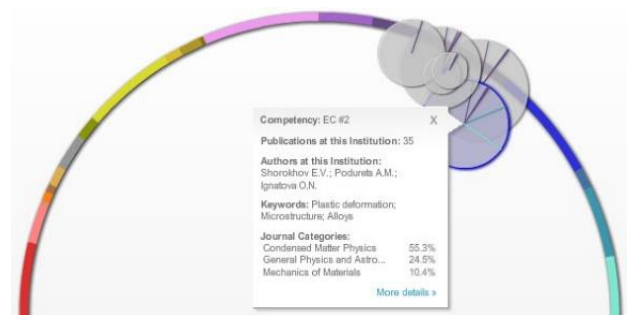
СТРАНЫ



ПУБЛИКАЦИИ



СЛОВА



КОМПЕТЕНЦИИ

МЕТРИКИ

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 Citing %
Publications in Top Journal %
Collaboration Impact (geo)
Corporate Collaboration Impact

Collaboration metrics

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

Views

Views count
Views per publication
Field-Weighted Views Impact

Disciplinary metrics

Journal count
Journal category count

Economical metrics

Patents & Awards & Citations

В помощь исследователям

ПАНЕЛИ ДЛЯ ОБЗОРА ТЕМЫ

Исследователь только выбирает тему быстро находит детальную информацию об её развитии в мире – со всеми деталями....

Memristors

[View data sources](#) 2011 to 2015 no subject area filter selected ASJC

Summary Institutions Countries Authors Scopus Sources Keyphrases

Overall research performance Export

Scholarly Output 2,077	Views Count 35,777	Field-Weighted Citation Impact 2.41	Citation Count 14,408	International Collaboration 499
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Memristors

Passive filters

- Coupled circuits
- Networks (circuits)
- Chaotic systems
- Synchronization
- Chaos theory
- Biological systems
- Resistors
- Dynamics
- Fluxes
- Lyapunov methods
- Data storage equipment
- Maps
- Neurons

Top-authors

	Affiliation	Scholarly Output	Collaboration	Field-Weighted C...
92. Volos, Christos K.	Aristotle University of Thessaloniki	11	9	47.45
88. Querlioz, Damien	Universite Paris-Sud	11	3	10.45
82. Klein, Jacques Olivier	Universite Paris-Sud	11	5	9.33

Top-countries

	Scholarly Output	Views per Public...	Field-Weighted C...
10. Viet Nam	8	10.25	34.82
3. India	86	13.14	7.35
2. South Korea	126	28.56	3.18
6. Japan	34	21.50	2.64

International Collaboration

Publications co-authored with researchers in other countries


Volos, Christos K.: **81.8%**

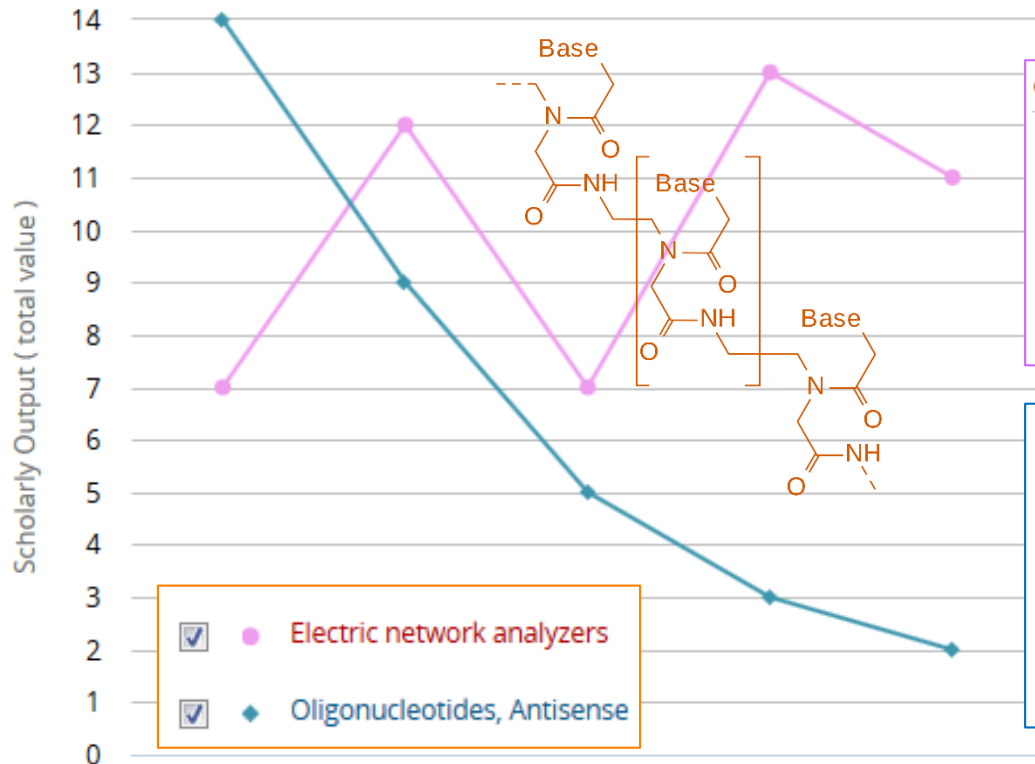
ТЕМЫ ИССЛЕДОВАНИЙ

- (1) Медицина Севера
- (2) Энергоэффективное строительство
- (3) Северное сельское хозяйство
- (4) Животноводство (олени)
- (5) Климатические изменения
- (6) Геофизика
- (7) Антропология

НОВЫЕ ТРЕНДЫ

SciVal позволяет увидеть появление или угасание трендов внутри темы – позволяя выделить основных участников и динамику исследований...

View: Scholarly Output  by year



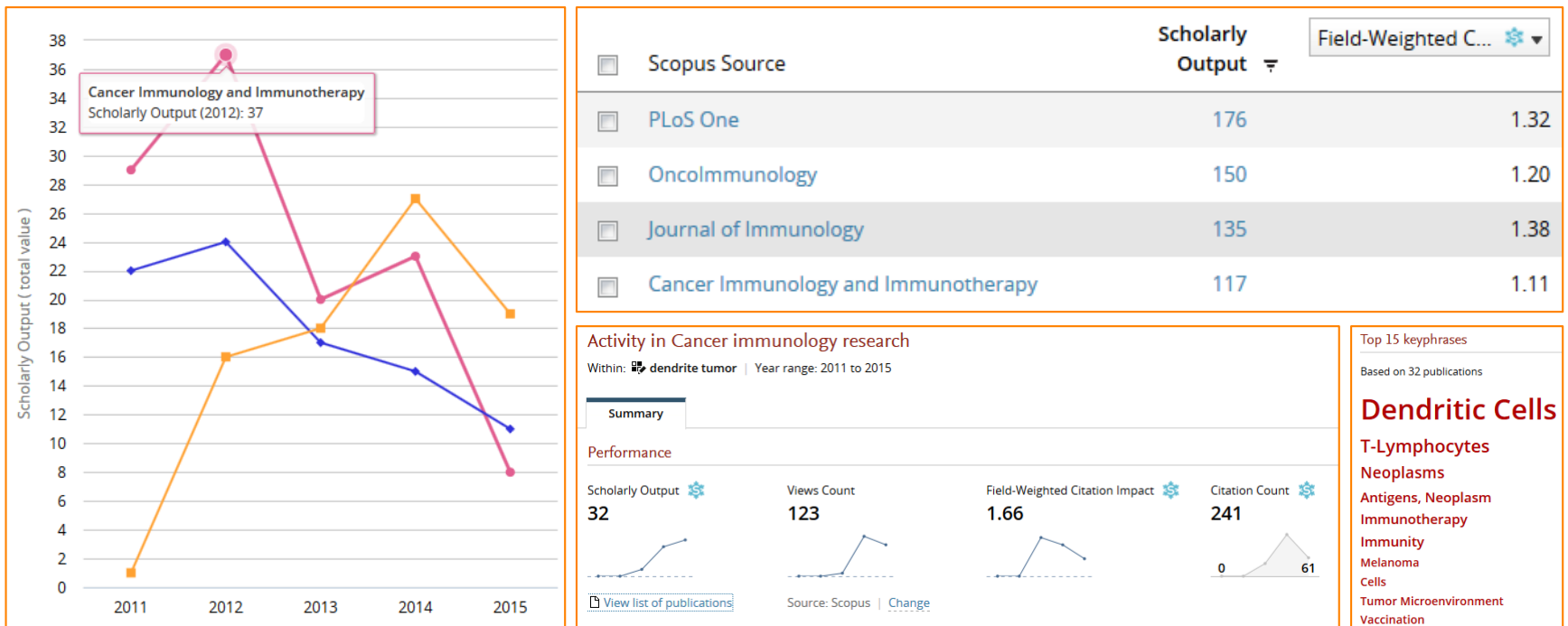
Countries	Top 5 by Scholarly Output
United States	12
Malaysia	11
Canada	8
China	8
India	4

Countries	Top 5 by Scholarly Output
Denmark	7
South Korea	7
United States	5
China	3
Italy	3

● Electric network analyzers
 ◆ Oligonucleotides, Antisense

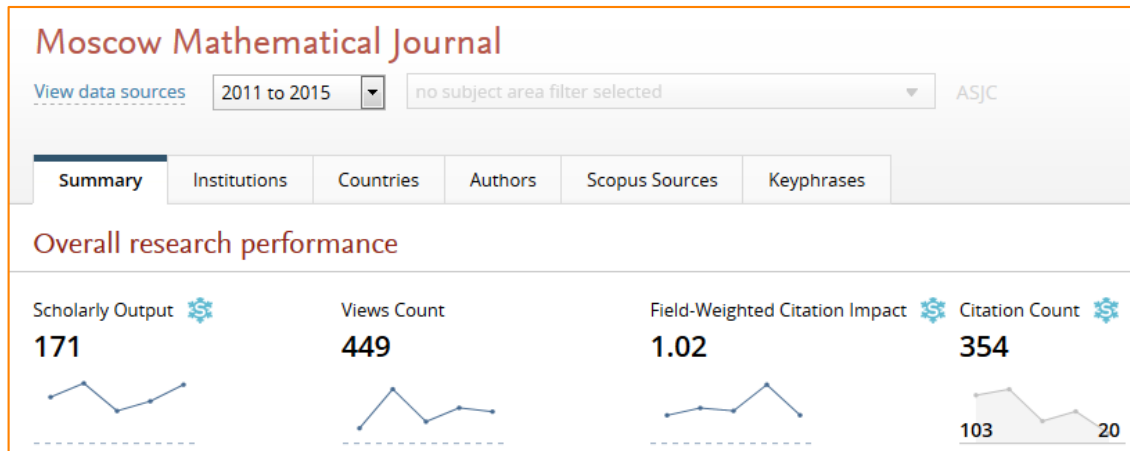
ПОДБОР ЖУРНАЛА ПО ТЕМЕ

В каждой теме исследователи могут взглянуть не только на динамику публикаций в каждом из журналов, но и увидеть основных участников. Выбор важный для каждого исследователя.

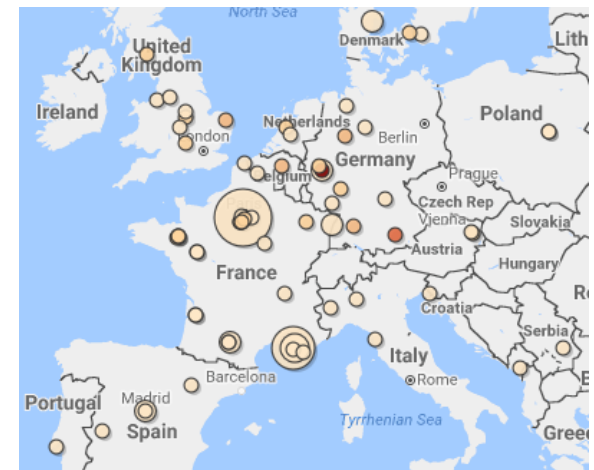
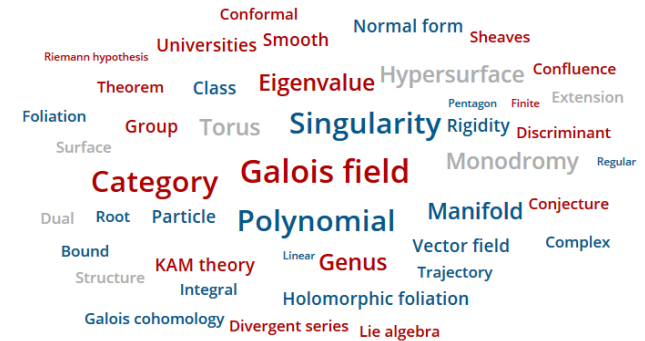


ВНУТРИ ЖУРНАЛА

SciVal позволяет исследователю погрузиться в анализ публикаций отдельного издания, по тема (ключевым словам), авторам, учреждениям, трендам. Это поможет принять решение, отправлять ли свою статью.



	CNRS	14	1.01
	Higher School of Economics	12	1.32
	RAS - Steklov Mathematical Institute	10	0.62
	Universite d'Aix-Marseille	9	0.54
	Ecole Centrale Marseille	6	0.53
	Universite Toulouse III - Paul Sabatier	4	0.00
	Aarhus University	3	0.44



РЕЗУЛЬТАТ РАБОТЫ

ФИО руководителя	Smith S.	Gray H.	Иванов В.А.
ФИО ключевых коллег	.....	.....	.....
Учреждение, страна	.....	.....	.....
Гранты, публикации за 5 и 2 года, уровень журналов	.....	.....	.....
Их интересы, отношение к нашей теме, вероятность острой конкуренции	.....	.....	.....
Позиции в редколлегиях	.....	.....	.....
.....			
<i>Следить за публикациями и цитированием</i>	НЕТ	ДА	ДА
<i>Искать встречи</i>	вряд ли	ДА	ДА
<i>Пригласить на конференцию</i>	-	ДА	сделано
<i>Обсудить возможность совместной работы</i>	-	ДА	сделано
<i>Отправить репринты статей</i>	-	ДА	сделано

Взгляд покупателя



Overview

АНАЛИЗ ГРУППЫ АВТОРОВ (ПРОЕКТ, ОТДЕЛ)

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

x 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

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 Shortcuts ▾

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



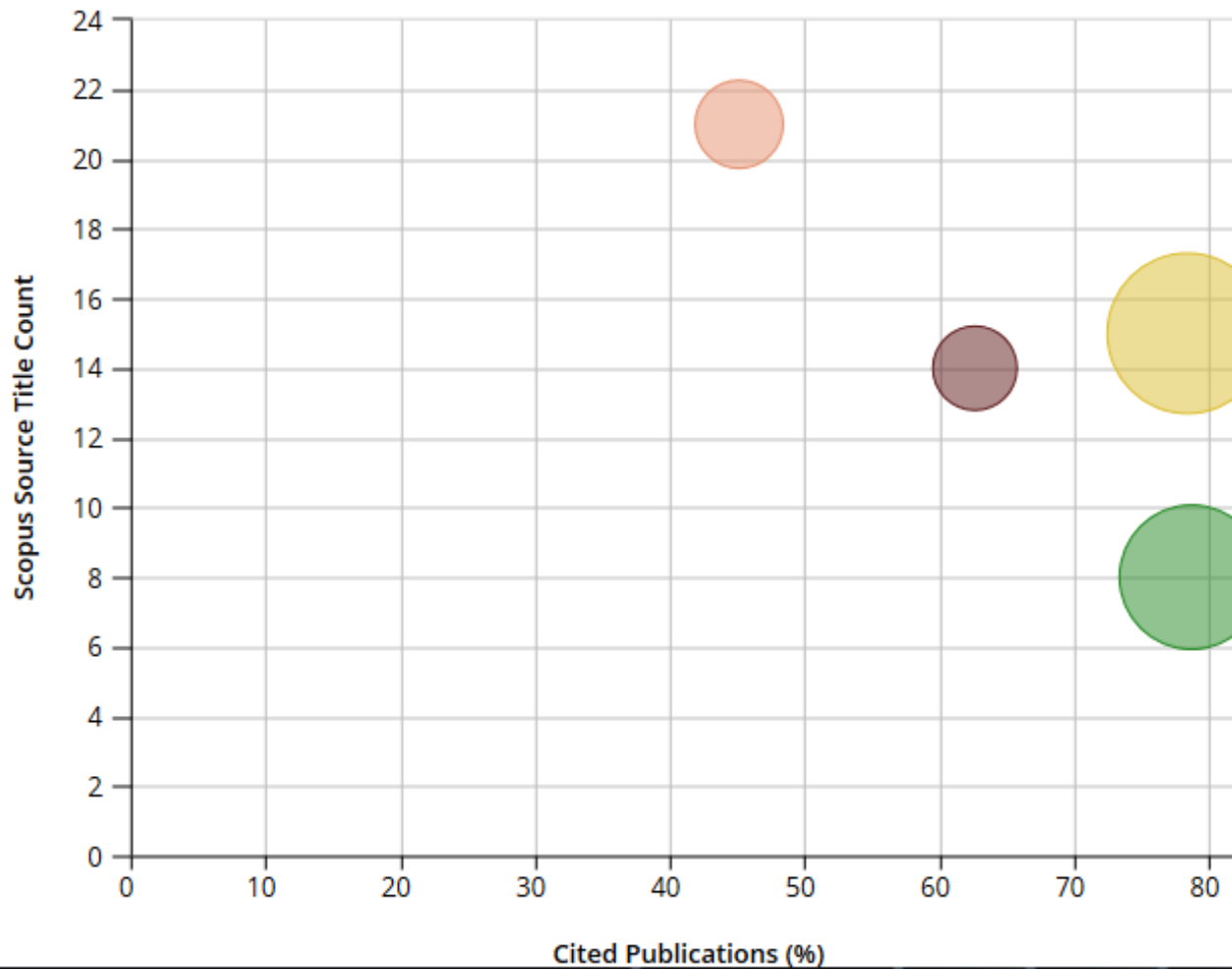
Benchmarking

СРАВНИТЕЛЬНЫЙ АНАЛИЗ (АВТОРЫ)

Scopus Source Title Count

Cited Publications

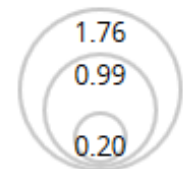
Field-Weighted Citation Impact



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

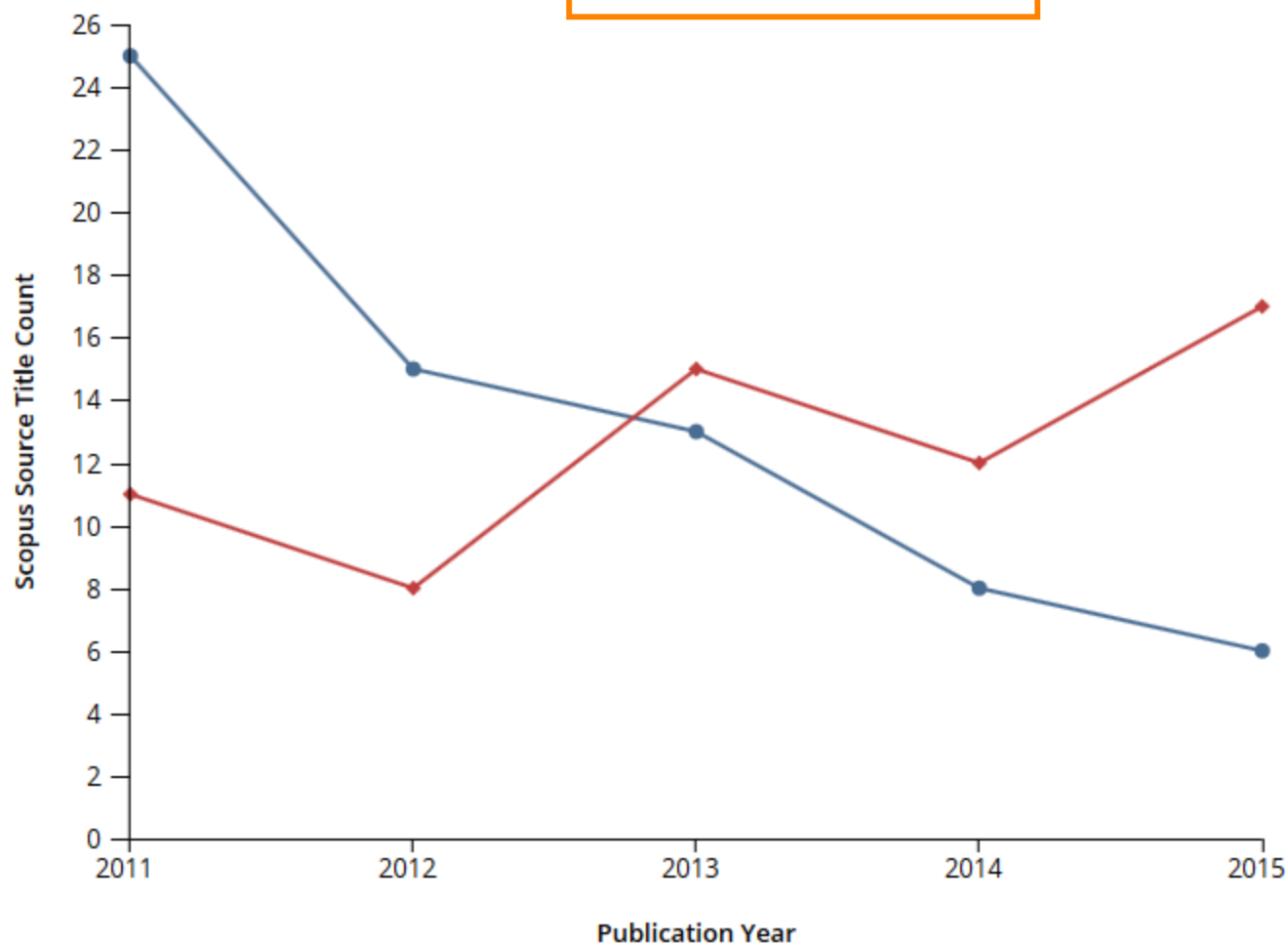


Benchmarking

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

The screenshot shows an Excel spreadsheet with the following data:

Metric name	Specific metric	Self-citations	Types of publications included	Other options
Scholarly Output	-	-	All publication types	-
Field-Weighted Citation	-	-	All publication types	-
Name	Scholarly Output	Field-Weighted Citation Impact		
Harvard University	287293	2.39		
Northwestern University	83949	1.92		
Osaka Institute of Technol	2634	0.86		
Royal Melbourne Instit	13482	1.18		
University of Bucharest	9376	0.8		
University of Geneva	46394	1.67		
University of Melbourne	77211	1.69		
World Health Organizat	11553	2.69		



Collaboration

ВЗГЛЯД НА ТЕКУЩЕЕ СОТРУДНИЧЕСТВО

[View data sources](#)

2013 to 2015

Chemistry

ASJC

Current collaboration

Potential collaboration



Map



Table

Export

Shortcuts

Find Institution



Institutions collaborating with Novosibirsk State University

Asia Pacific

China

All sectors

reset filter

17 collaborating Institutions

25 co-authored publications

View Institutions by: number of publications





Collaboration

ВЗГЛЯД НА СОТРУДНИЧЕСТВО

[View data sources](#)

2013 to 2015

Chemistry

ASJC

Current collaboration

Potential collaboration

Map

Table

Export

Shortcuts

Find Institution



Institutions collaborating with Novosibirsk State University

Asia Pacific

China

All sectors

[reset filter](#)

17 collaborating Institutions

25 co-authored publications

Institution	Co-authored publications	Co-authors at Novosibirsk State University	Co-authors at the other Institution	Field-Weighted C...	Field-Weighted View...
China University of Geosciences	7 ▲	1 ▲	10 ▲	7.20	2.23
University of Science and Technology Beijing	7 ▲	1 ▲	3 ▲	6.49	1.88
Wuhan University	4	8	3 ▼	0.49	1.34
Chinese Academy of Sciences	3 ▼	3 ▼	5 ▼	1.87	1.82
CAS - Institute of Chemistry	2	4	3	0.00	0.68
CAS - Technical Institute of Physics and Chemistry	2	2	4	1.85	3.22
Lanzhou University	2	3 ▲	1	1.51	2.25



Collaboration

ВЗГЛЯД НА СОТРУДНИЧЕСТВО

Collaboration with the China University of Geosciences

Within: **Chemistry** | Year range: 2013 to 2015

Export ▾ Shortcuts ▾

- Overview**
- Current co-authors
- Potential co-authors

Novosibirsk State University

Co-authored

China University of Geosciences

1 ▲

7 ▲

10 ▲

co-author with the China University of Geosciences

publications

co-author with Novosibirsk State University

0.82

7.20

1.49

Novosibirsk State University

Co-authors with the China University of Geosciences

Author	Co-authored publications	Citations ▾
▶ Atuchin, Victor V.	7	131

СЕЙЧАС

China University of Geosciences

Co-authors with Novosibirsk State University

Author	Co-authored publications	Citations ▾
▶ Huang, Zhaohui	4	74
▶ Xia, Zhiguo	3	69
▶ Fang, Minghao	2	55
▶ Huang, Saifang	2	48
▶ Ji, Haipeng	2	48
▶ Ji, Haipeng	2	26
▶ Shi, Pinglu	1	25



Collaboration

ПОТЕНЦИАЛЬНОЕ СОТРУДНИЧЕСТВО

Collaboration by Novosibirsk State University

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

[View data sources](#)

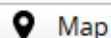
2013 to 2015

Organic Chemistry

ASJC

Current collaboration

Potential collaboration



Map



Table

Export

Shortcuts

Find Institution



Institutions not yet collaborating with Novosibirsk State University

Asia Pacific

India

Corporate

[reset filter](#)

4 not yet collaborating Institutions

Institution

Publications

Authors

Field-Weighted C...

Field-Weighted View...

Dr. Reddy's Laboratories Ltd.	97 ▲	270 ▲	0.43	0.67
TATA Steel	11 ▼	17 ▼	0.79	1.06
Reliance Industries Limited	3 ▼	10 ▼	0.60	1.35
Bharat Heavy Electricals Ltd	1 ▼	6 ▼	0.93	0.37



Collaboration

ПОТЕНЦИАЛЬНОЕ СОТРУДНИЧЕСТВО

Collaboration with Dr. Reddy's Laboratories Ltd. ✕Within: **Organic Chemistry** | Year range: 2013 to 2015

Export ▾

Shortcuts ▾

Overview

Current co-authors

Potential co-authors

Novosibirsk State University



0.63

Field-Weighted Citation Impact

Co-authored Dr. Reddy's Laboratories Ltd.



-

Field-Weighted Citation Impact



0.43

Field-Weighted Citation Impact

Overview

Current co-authors

Potential co-authors

Novosibirsk State University

Top 100 authors not yet collaborating with Dr. Reddy's Laboratories Ltd., by number of publications

Author	Publications	Citations ▾
Gatilov, Yu V.	15	19
Salakhutdinov, Nariman F.	14	18
Bagryanskaya, Irina Yu	9	7
Zibarev, Andrey V.	7	44
Volcho, Konstantin P.	7	4
Bryliakov, Konstantin P.	6	20
Talsi, Evgenii P.	5	17

Dr. Reddy's Laboratories Ltd.

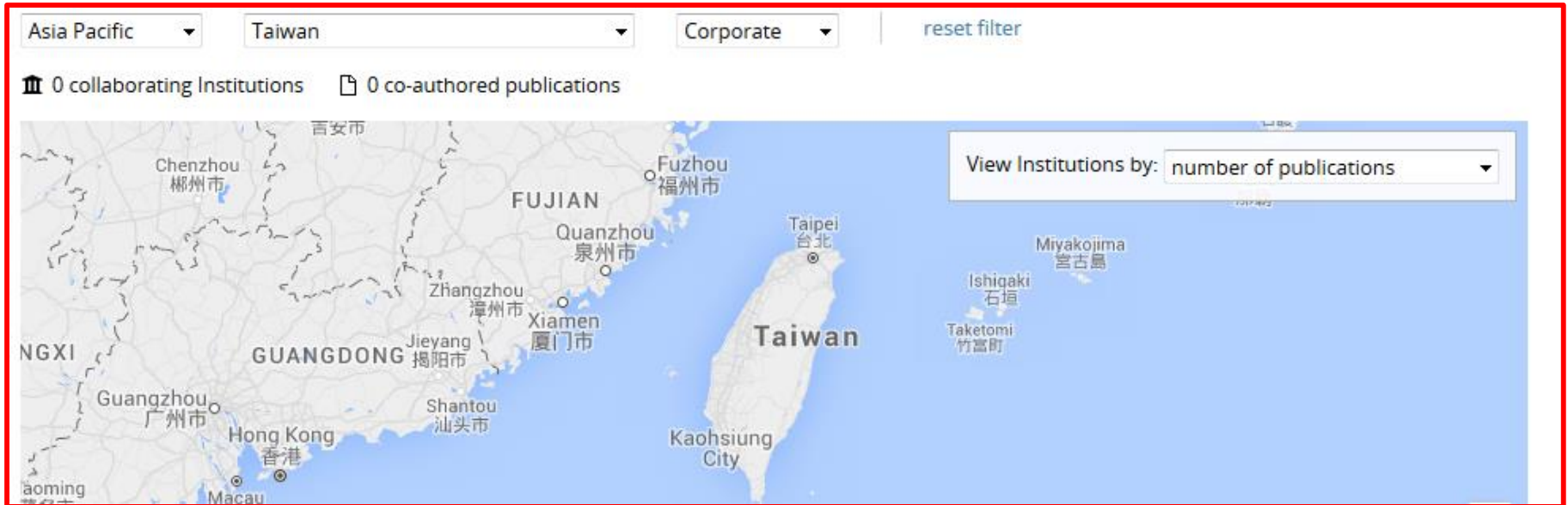
Top 100 authors not yet collaborating with Novosibirsk State University, by number of publications

Author	Publications	h-index ▾
Bandichhor, Rakeshwar	21	13
Raghunadh, Akula	11	4
Syam Kumar, Unniaran K.	11	7
Dahanukar, Vilas Hareshwar Areshwar	8	14
Roy, Amrendra Kumar	8	10
Ramachandra, Murali	6	9
Bhattacharya, Apurba	6	11



Collaboration

РЕЧЬ О НОВЫХ ВОЗМОЖНОСТЯХ...



7 not yet collaborating Institutions

Institution	Publications	Authors	Field-Weighted C...	Citations per Pu...
Taiwan Semiconductor Manufacturing Company	412	1,069	1.67	1.7
MediaTek	146	352	3.12	1.7
United Microelectronics Corporation	136	307	0.68	0.9
Advanced Semiconductor Engineering, Inc.	112	174	0.79	0.8



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Research Intelligence

Спасибо за внимание!

Лутай Алексей Валериевич

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