

Elsevier Research Intelligence

# Мониторинг, анализ и управление научно-исследовательской деятельностью университета с помощью SciVal

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[www.elsevierscience.ru](http://www.elsevierscience.ru)

## Программа теоретической части:

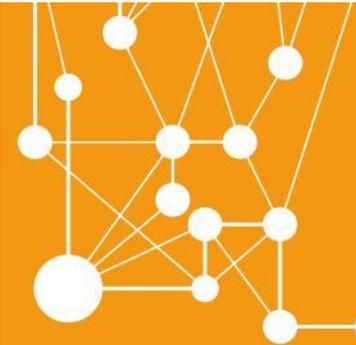
1. Обзор системы SciVal – источники данных, метрики, модули.
2. Оценка и анализ научно-публикационной деятельности университета:
  - a) Метрики продуктивности и результативности. FWCI
  - b) Предметные классификации
  - c) Сравнительные оценки
  - d) Оценка эффективности коллабораций.
3. Планирование и мониторинг публикационных показателей НИР.
  - a) Методология тематической классификации науки
  - b) ...
4. SciVal для ученых - наукометрический обзор исследовательских областей.
5. Сравнение SciVal со Scopus и взаимодействие между этими ресурсами.
6. Отчетность – моделирование орг структуры

## Цели семинара и ограничения:

1. Оценить функционал и возможности системы;
2. Получить навыки работы
3. Принять решение о степени необходимости в вашей работе

Обучение работе в системе проводится после оформления подписки и занимает время.

# 1. Обзор системы: источники данных, метрики и модули в SciVal



## Кратко о SciVal:

SciVal – это он-лайн платформа, которая позволяет анализировать наукометрические показатели:

- ВУЗов
- Ученого или группы ученых
- Стран и всего мира
- Научной дисциплины
- Персональной области исследования
- Научной темы

Его используют в своей работе:

- Ученые, аспиранты
- Научные руководители
- Аналитики, наукометристы
- Редакторы журналов
- Руководство ВУЗов
- Наукоемкие предприятия

## Данные в SciVal

**Scopus** – это крупнейшая база данных рецензируемой литературы с инструментами для поиска, анализа и визуализации научно-исследовательских работ. Это основной источник данных для SciVal.



# Scopus – крупнейшая реферативно-аналитическая база данных

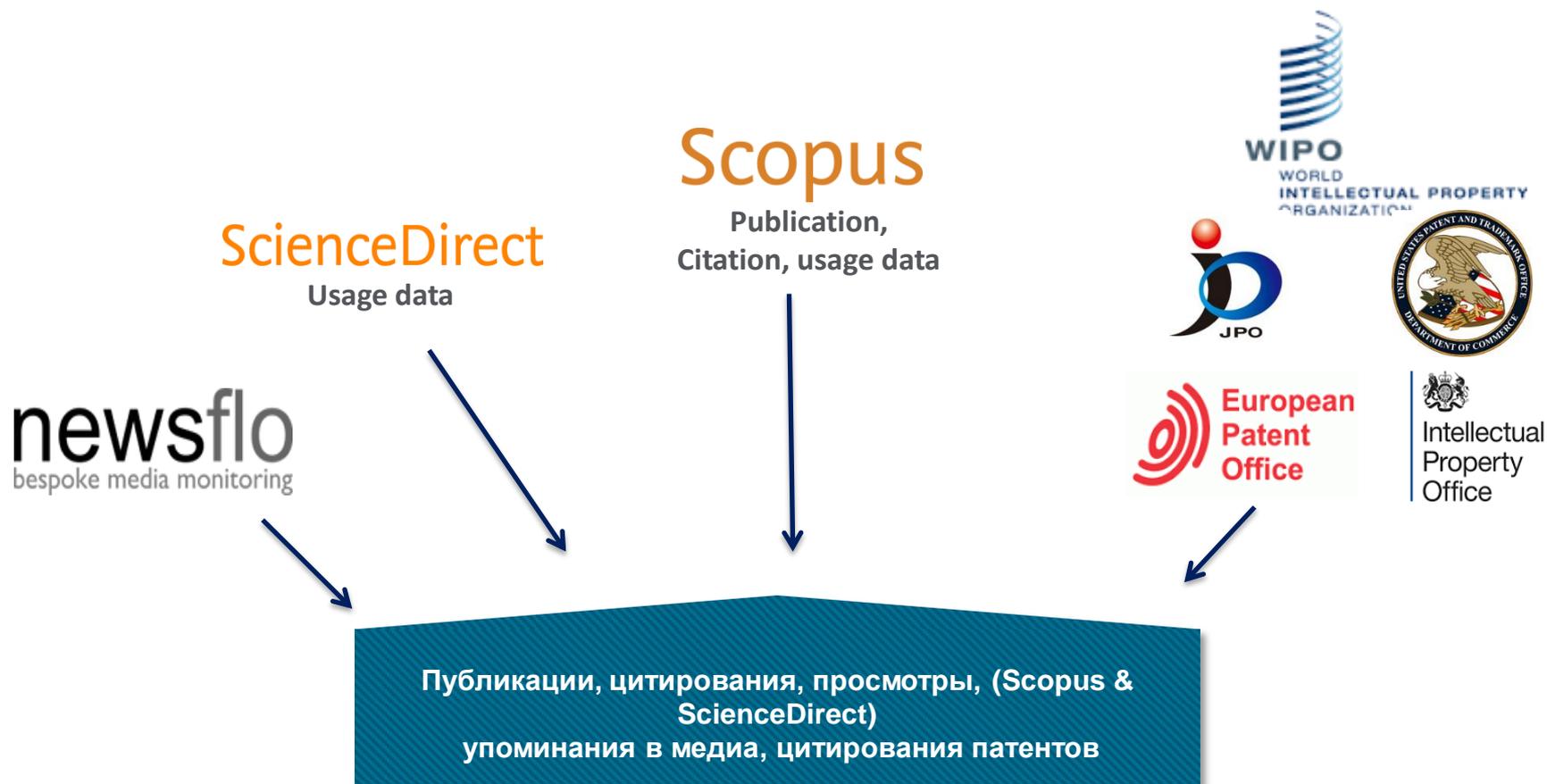
## Контент от 5000 издателей из 105 стран:

- 40 языков мира
- Обновляется ежедневно
- Разные категории региональных материалов: журналы, конференции, книги и серии книг
- 27 млн патентных записей от WIPO, JPO, EPO, IPO, USPTO
- Глубина архива - до 1788 года

Кол-во  
журналов по  
дисциплинам:

	Журналы	Конференции	Книги
<b>Physical Sciences</b> 12,263	<b>23,507</b> Рецензируемых журналов (peer-review)	<b>106К</b> Конференций	<b>613</b> Книжных серий
<b>Health Sciences</b> 13,819	<b>301</b> Специализированных изданий	<b>8.3М</b> Докладов конференций	<b>38К</b> Томов
<b>Social Sciences</b> 10,905	<b>3,784</b> Активных журналов Gold Open Access	Преимущественно Инженерные науки и Информатика	<b>1.5М</b> Изданий
<b>Life Sciences</b> 6,809	<b>&gt;8,000</b> Предпечатная подготовка (Articles in Press) Включая метаданные, аннотации и цитирования		<b>189,768</b> Отдельных книг
			<b>1.34М</b> Записей Фокус на социальные, гуманитарные науки и искусство

## Дополнительные источники данных в SciVal:



# 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

# Дополнительные метрики



## Объемы финансирования

Awards volume  
Awards count



## Общественное влияние

Mass media  
Media Exposure  
Field-Weighted Mass Media

## Экономический эффект



Academic-Corporate Collaboration



Academic-Corporate Collaboration Impact

Citing-Patents Count *(число цитирующих патентов)*

Patent-Cited Scholarly Output *(сколько статей процитировано в патентах)*

Patent-Citations Count *(число ссылок в патентах на статьи)*

Patent-Citations per Scholarly Output *(число ссылок на статью)*

## Важное правило:

Наукометрические показатели не должны быть единственным источником данных для принятия решений. Они всегда должны быть сопоставлены с экспертным мнением.

Для оценки результатов рекомендуется использовать как минимум два-три показателя, чтобы учесть и сбалансировать нюансы и особенности каждого из них.

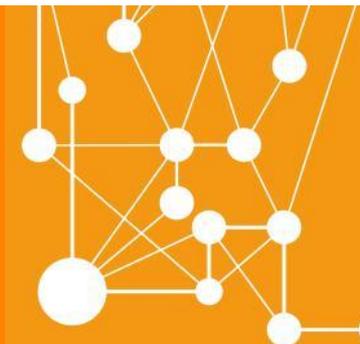
*“Not everything that counts can be counted, and not everything that can be counted counts”.*

Подробное руководство по метрикам, исходным данным и рекомендации по использованию инструмента доступны всем – Research Metrics Guidebook:

<https://www.elsevier.com/research-intelligence/resource-library/ty/research-metrics-guidebook>



## 2. Оценка и анализ научно-публикационной деятельности университета

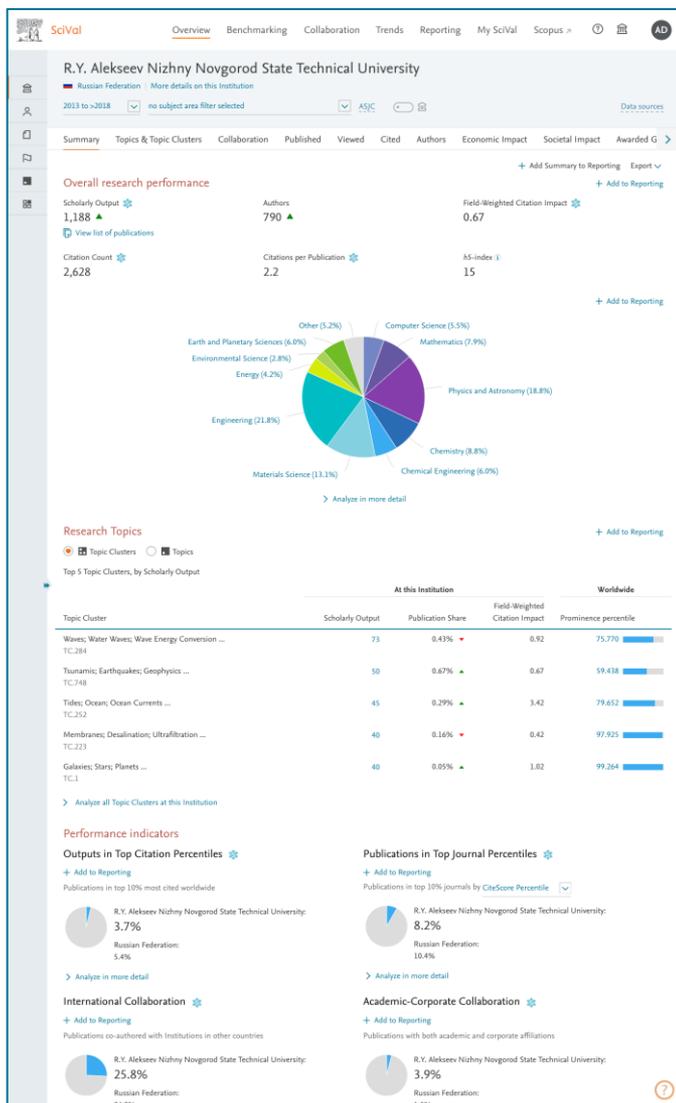


## Содержание раздела:

Оценка и анализ научно-публикационной деятельности университета:

- a) Метрики продуктивности и результативности. Индексы, нормализованные по дисциплинам. Способы оценки цитируемости и факторы, влияющие на нее
- b) Предметные классификации: QS, THE, ASJC и показатели университета по ним
- c) Сравнение с ведущими ВУЗами в стране и мире, соседями в рейтингах, с целью выявления сильных и слабых сторон (по дисциплинам и научным темам)
- d) Оценка эффективности различных форм сотрудничества (национального и международного)

# Обзор профиля университета:



# Профиль ученого:

**Institutions and Groups**

**Researchers and Groups**

- Schubert, Ulrich S.
- Bullmore, Edward T.
- De Cooman, Bruno Charles De
- Devetsikiotis, Michael
- Kluzharev, Vasily
- Pearson, Godfrey David
- Salinas, Patricia C.
- Schuermann, Björn
- Tegmark, Max
- Wang, Feiyue
- Yurchenko, Stanislav O.

[+ Add Researchers and Groups](#)

[X Remove all entities from this section](#)

**Publication Sets**

**Countries and Groups**

**Topics and Research Areas**

## Schubert, Ulrich S.

[Friedrich-Schiller-Universität Jena ... Show all affiliations](#) | 
 [View this Researcher in Scopus >](#) | 
 [Why do the metrics look different to those in Scopus? >](#)

2013 to >2018 | 
 [no subject area filter selected](#) | 
 [ASJC](#) | 
 [Data sources](#)

[Summary](#) | 
 [Topics](#) | 
 [Collaboration](#) | 
 [Published](#) | 
 [Viewed](#) | 
 [Cited](#) | 
 [Economic Impact](#)

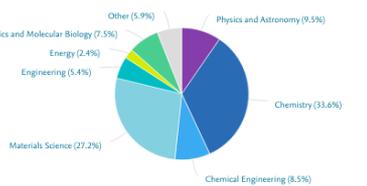
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### Overall research performance

[+ Add Summary to Reporting](#) | 
 [Export](#) | 
 [+ Add to Reporting](#)

<p>Scholarly Output <a href="#">*</a></p> <p><b>428</b></p> <p><a href="#">View list of publications</a></p>	<p>Field-Weighted Citation Impact <a href="#">*</a></p> <p><b>1.59</b></p>	<p>Citation Count <a href="#">*</a></p> <p><b>5,792</b></p>
<p>Citations per Publication <a href="#">*</a></p> <p><b>13.5</b></p>	<p>h-index</p> <p><b>104</b></p>	<p>i5-index <a href="#">i</a></p> <p><b>31</b></p>

[+ Add to Reporting](#)



[Analyze in more detail](#)

### Research Topics

[+ Add to Reporting](#)

Top 5 Topics, by Scholarly Output

Topic	By this Researcher		Worldwide
	Scholarly Output	Field-Weighted Citation Impact	Prominence percentile
Nitrogen compounds; Cationic polymerization; cationic ring-opening ... T.15099	44	1.68	97.243 <div style="width: 97.243%; height: 10px; background-color: #0070C0; margin: 0;"></div>
Polymers; Composite materials; self-healing polymers ... T.3576	29	2.77	99.838 <div style="width: 99.838%; height: 10px; background-color: #0070C0; margin: 0;"></div>
Redox reactions; Secondary batteries; organic cathode ... T.13304	23	2.07	99.694 <div style="width: 99.694%; height: 10px; background-color: #0070C0; margin: 0;"></div>
Vanadium; Secondary batteries; all-vanadium redox ... T.4145	16	4.86	99.935 <div style="width: 99.935%; height: 10px; background-color: #0070C0; margin: 0;"></div>
Titanium; Hybrid materials; Zirconium ... T.29941	15	1.35	93.473 <div style="width: 93.473%; height: 10px; background-color: #0070C0; margin: 0;"></div>

[Analyze all Topics of this Researcher](#)

### Performance indicators

#### Outputs in Top Citation Percentiles [\\*](#)

[+ Add to Reporting](#)

Publications in top 10% most cited worldwide



Schubert, Ulrich S.:  
**30.6%**

[Analyze in more detail](#)

#### Publications in Top Journal Percentiles [\\*](#)

[+ Add to Reporting](#)

Publications in top 10% journals by CiteScore Percentile [v](#)



Schubert, Ulrich S.:  
**67.0%**

[Analyze in more detail](#)

#### International Collaboration [\\*](#)

[+ Add to Reporting](#)

Publications co-authored with researchers in other countries



Schubert, Ulrich S.:  
**44.9%**

[Analyze in more detail](#)

#### Academic-Corporate Collaboration [\\*](#)

[+ Add to Reporting](#)

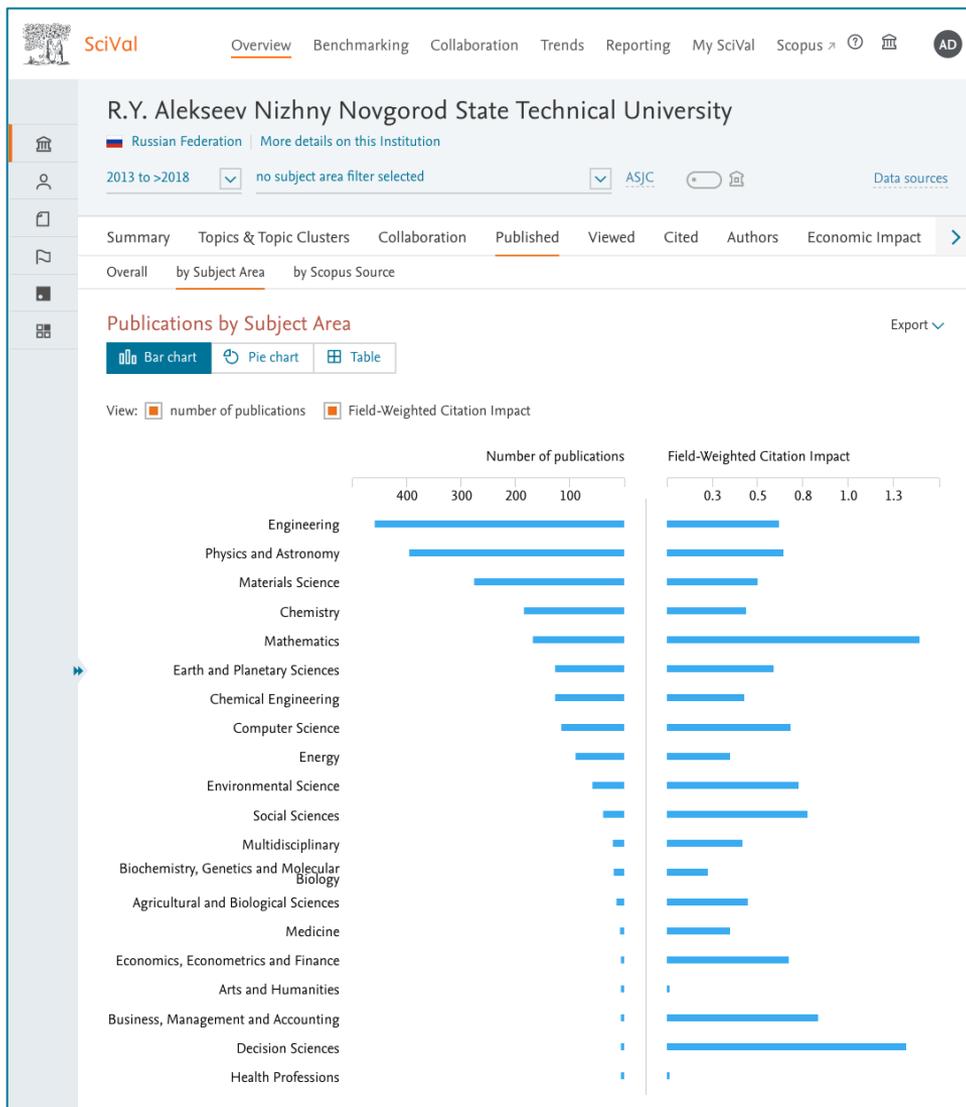
Publications with both academic and corporate affiliations



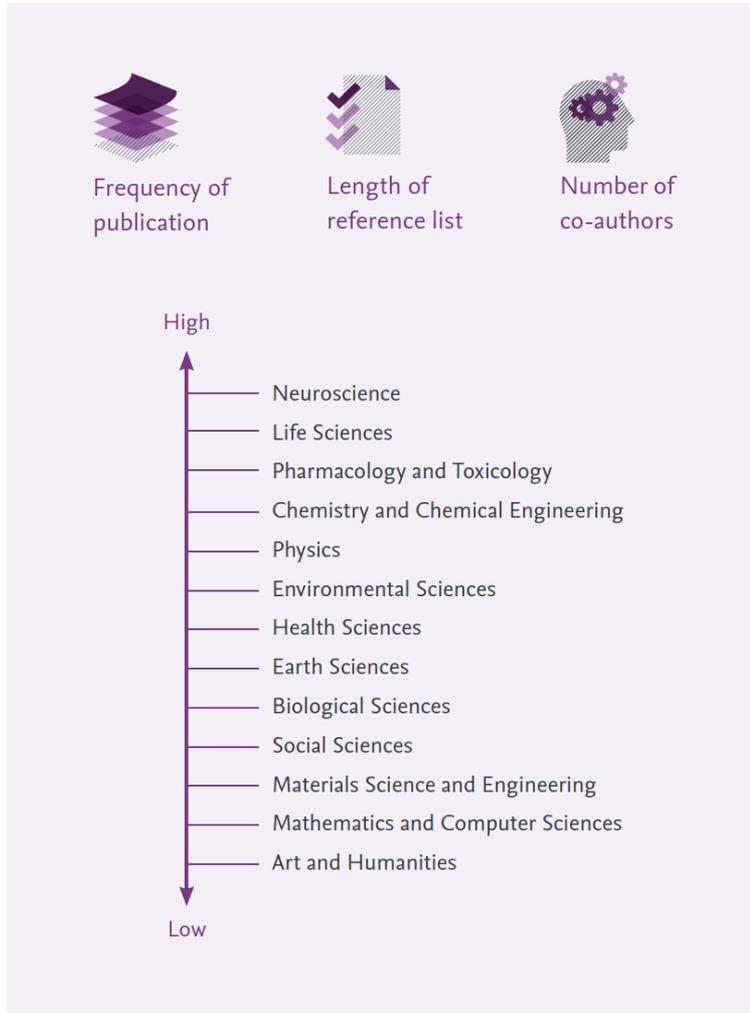
Schubert, Ulrich S.:  
**22.0%**

[Analyze in more detail](#)

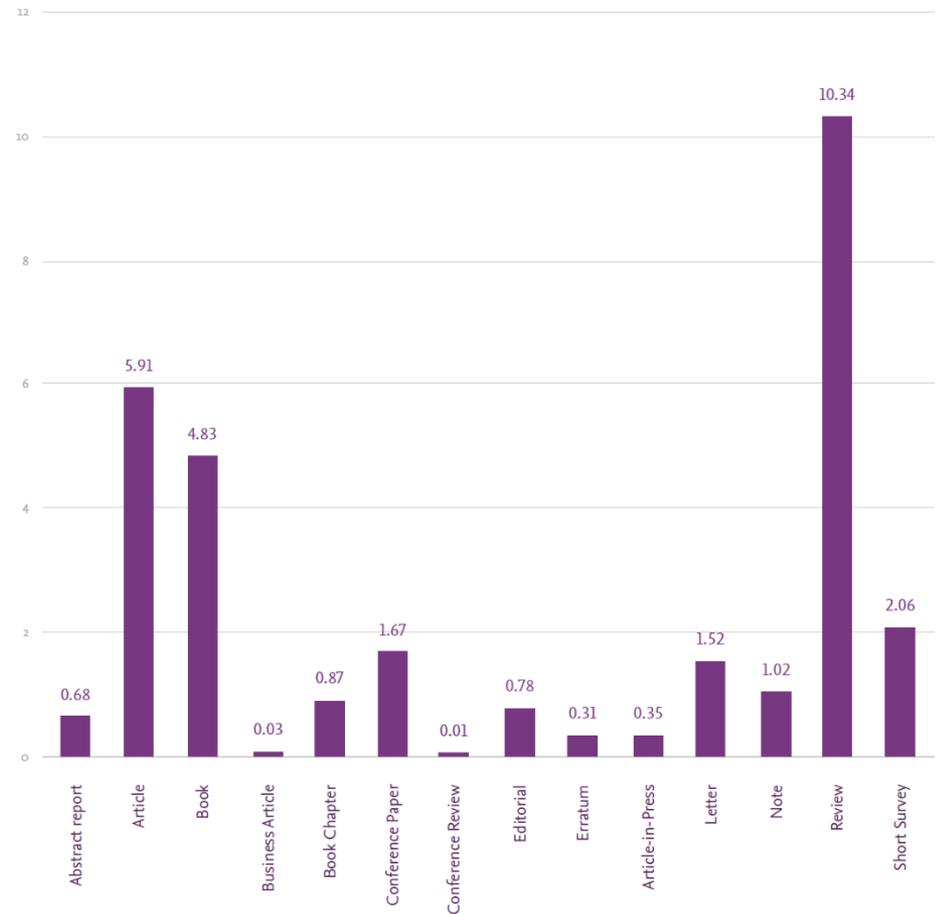
# Продуктивность и результативность по дисциплинам:



# Зачем нужна нормализация?



Citations per Publication



## FWCI

Field-Weighted Citation Impact – нормализованный по области знания индекс цитирования. Показывает как количество цитирований, полученных публикацией, соотносится с ожидаемым мировым средним для такого же типа публикации, в той же дисциплине, в том же году.

FWCI = 1.00 показывает, что публикация цитировалась так же как аналогичная в среднем по миру.

FWCI = 2.11 означает, что публикация цитировалась на 111% больше, чем аналогичная в среднем по миру.

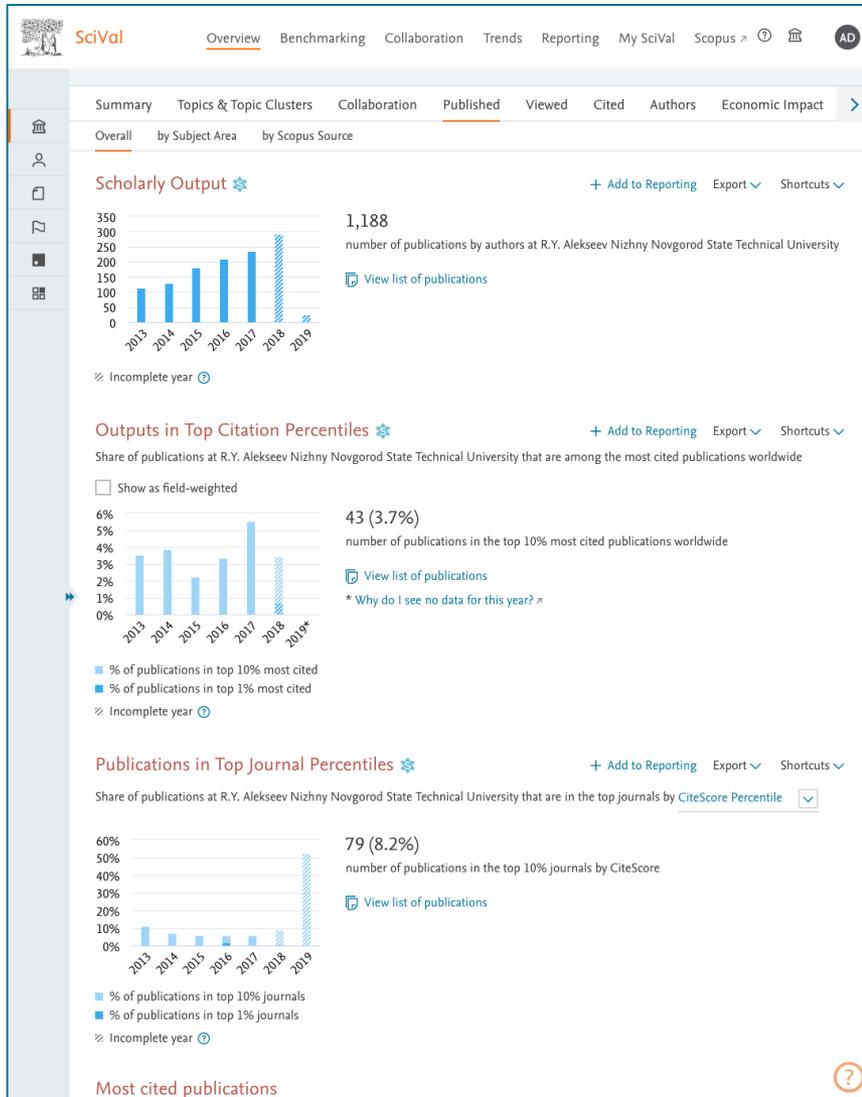
FWCI = 0.87 означает, что публикация цитировалась на 13% ниже аналогичной среднемировой.

Аналогичные индикаторы есть для просмотров - FWVI – и для упоминаний в СМИ – FWMM.

Подробное описание и формула расчета приведено в Research Metrics Guidebook:

<https://www.elsevier.com/research-intelligence/resource-library/ty/research-metrics-guidebook>

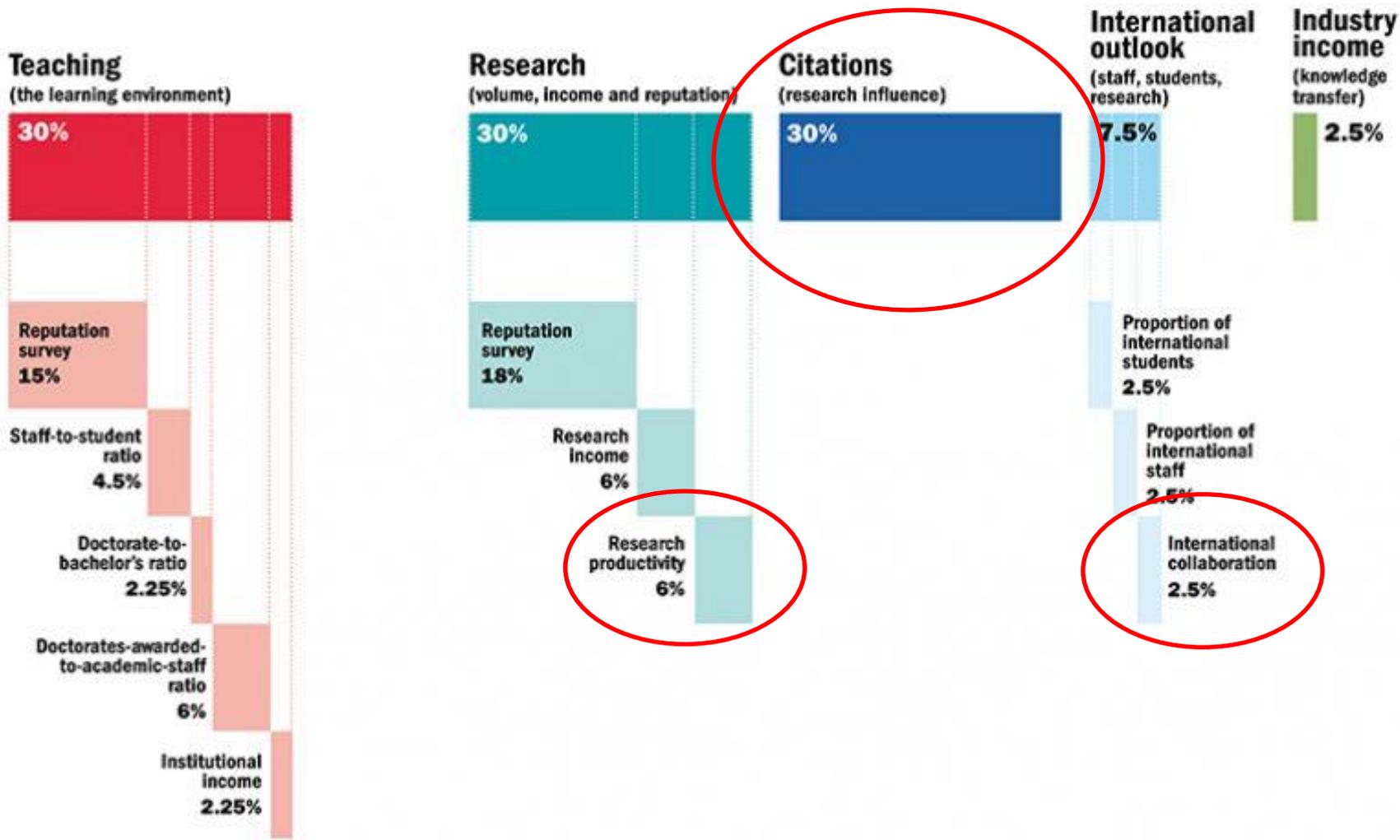
# Публикации в ведущих журналах и наиболее цитируемые работы:



## Предметные классификации в SciVal:

- **ASJC** - All Subject Journal Classification - Классификация журналов по дисциплине из Scopus. 27 дисциплин /334 предмета
- **FOS** – Field of Science and Technology (FOS) Classification - Классификация в области науки и технологии. Используется в «Руководстве Фраскати» (Frascati Manual) Организации экономического сотрудничества и развития (ОЭСР – OECD).
- **QS** – Quacquarelli Symonds Classification. Используется при составлении QS World University Rankings. Включает 5 дисциплин и 46 предметов.
- **THE** – Times Higher Education Classification. Используется при составлении THE World University Rankings. Включает 11 дисциплин.

# Пример: Критерии и их веса в рейтинге THE



Источник: Times Higher Education World University rankings 2019 methodology  
<https://www.timeshighereducation.com/world-university-rankings/methodology-world-university-rankings-2019>

## Цитируемость по типам коллабораций:

Metric		Publications	Field-Weighted Citation Im... <input type="checkbox"/>
■ International collaboration	72.7%	2,876	2.35
■ Only national collaboration	5.3%	210	0.32
■ Only institutional collaboration	14.3%	566	0.28
■ Single authorship (no collaboration)	7.7%	305	0.47

# Цитируемость по партнерам в коллаборациях:

## Top collaborating Institutions

+ Add to Reporting Export Shortcuts

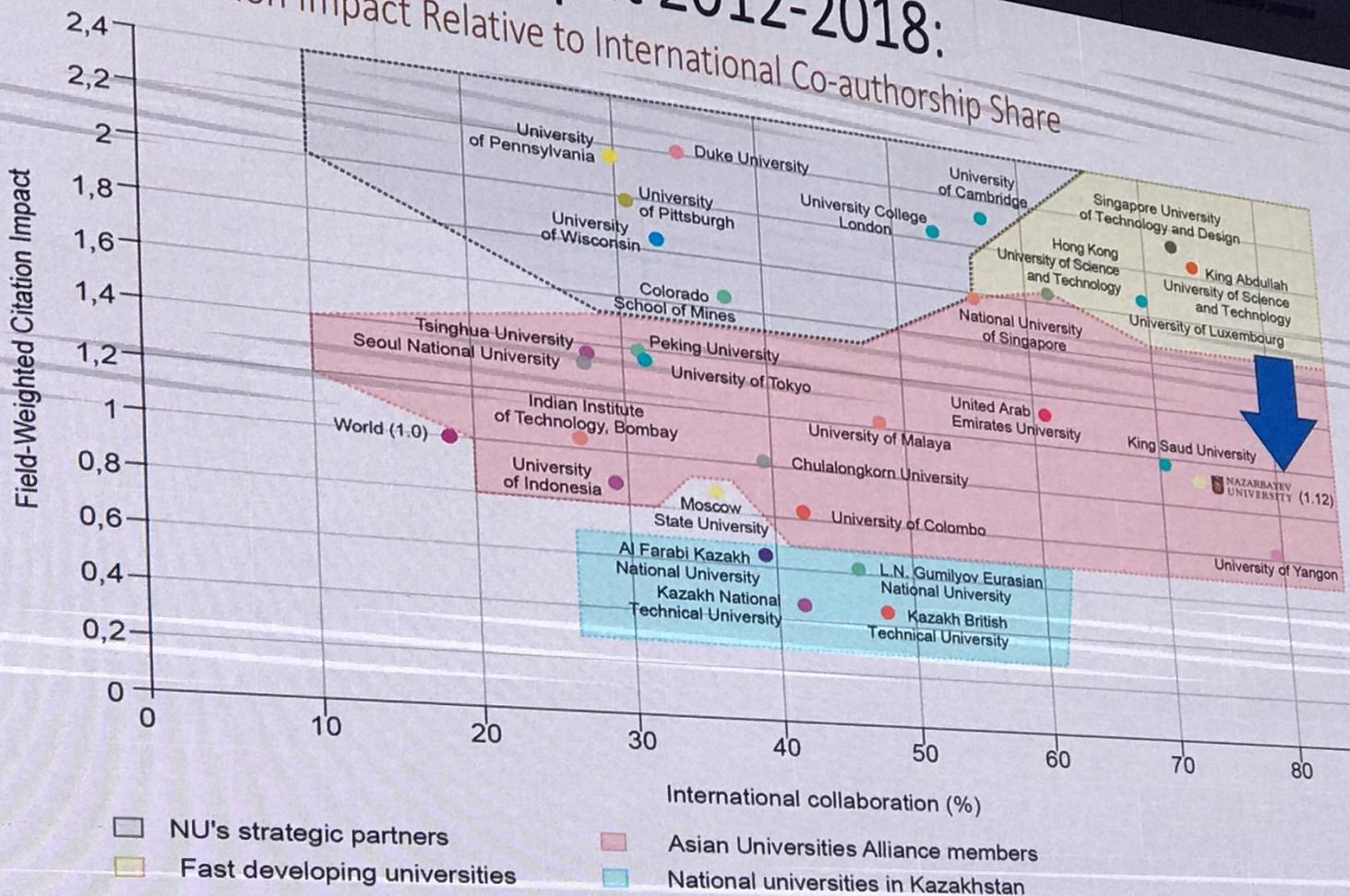
by number of publications co-authored with Belarusian State University

Institution	Co-authored publications ↓	Citations received for co-authored publications	Co-authors	Field-Weighted Cita... ▾
1.  Joint Institute for Nuclear Research	1,395 ▲	40,427	406 ▼	3.98
2.  CNRS	1,348 ▲	40,476	958 ▲	4.11
3.  Lomonosov Moscow State University	1,342 ▲	40,177	301 ▼	4.12
4.  INFN	1,339 ▲	40,490	1,604 ▼	4.14
5.  CERN	1,327 ▲	40,340	3,630 ▼	4.18
6.  Bogazici University	1,303 ▲	40,060	143 ▼	4.23
7.  Alikhanov Institute for Theoretical and Experimental Physics	1,297 ▲	40,032	187 ▼	4.23
8.  Charles University	1,296 ▲	39,996	184 ▼	4.24
9.  University of Belgrade	1,296 ▲	40,145	239 ▼	4.25
10.  RAS - Saint Petersburg Nuclear Physics Institute	1,296 ▲	40,122	177 ▼	4.25



# Research Output 2012-2018:

## Citation Impact Relative to International Co-authorship Share



Source: Scopus Database via Scival as of 24 January 2018

Welcome to new students 2018

## Пример МГУ в рейтингах (THE WUR2019)

THE Rank	Name	Column1	THE Overall	Teaching	Research	Citations	Industry Income	International Outlook
184	University of Twente	Netherlands	54,4	40,8	47	64,5	81,6	89,3
184	Northeastern University	United States	54,4	37	26,5	96,3	37,2	74
184	University of Münster	Germany	54,4	40,7	43,2	81,2	51,6	47,8
187	Cardiff University	United Kingdom	54,2	33,6	37,1	86,3	37,2	82,7
187	KTH Royal Institute of Technology	Sweden	54,2	43,7	44,6	66,4	50,4	86,3
189	University of Konstanz	Germany	54,1	39,4	45,1	74,2	69,6	63,7
190	University of East Anglia	United Kingdom	54	28,2	30,9	96,2	35,3	87,4
190	Shanghai Jiao Tong University	China	54	60,2	54,8	46,2	78,5	49,4
190	University of Duisburg-Essen	Germany	54	35,3	32,2	91,9	71,2	58,9
190	Western University	Canada	54	41,5	36,1	78	59,8	77,6
194	Paris Diderot University – Paris 7	France	53,9	46,4	19,5	93,1	34	72
194	Aalborg University	Denmark	53,9	30,7	37,7	88,9	47,1	73,9
196	University of Technology, Sydney	Australia	53,6	32,2	41,8	76,4	52,2	95,4
197	University of Bergen	Norway	53,3	30,7	30,6	94	36,5	77,9
198	Korea University	South Korea	53,2	48,4	50,1	58,1	98,3	50,7
199	Lomonosov Moscow State University	Russian Federation	53,1	77,7	59,8	16,2	89,1	63,7
199	University of Calgary	Canada	53,1	34,6	34,4	84,1	55,7	76,6



# Добавление метрик и ранжирование:

☐ Metric 1 ▾

Field-Weighted Citation Impact ⚙️

☐ Metric 2 ▾

Collaboration ⚙️

☐ Metric 3 ▾

Scholarly Output ⚙️

2 Additional metrics

+ Add more

× Remove all

Entity	Field-Weight... ▾ ↓	Collaboration ⚙️ ▾	Scholarly Ou... ▾	Publications ... ▾	Field-We
🏛️ Northeastern University	2.16	40.2	11,694	46.2	
🏛️ University of Bergen	2.15	61.2	15,130	40.2	
🏛️ University of East Anglia	2.14	49.0	8,911	46.7	
🏛️ Aalborg University	2.00	49.9	15,962	36.8	
🏛️ Universite Paris 7	1.93	52.5	29,703	41.3	
🏛️ Cardiff University	1.90	49.1	18,533	42.0	
🏛️ University of Calgary	1.83	46.3	25,222	37.5	
🏛️ University of Münster	1.74	46.5	17,312	42.1	
🏛️ Royal Institute of Technology	1.69	61.4	20,684	42.8	
🏛️ Western University	1.68	42.5	20,775	36.3	
🏛️ University of Technology Sydney	1.66	51.4	13,963	38.6	
🏛️ University of Twente	1.56	51.5	12,771	42.3	
🏛️ University of Konstanz	1.51	54.6	5,422	45.6	
🏛️ Korea University	1.38	29.0	24,822	35.8	
🏛️ Shanghai Jiao Tong University	1.19	26.6	68,262	31.2	
🏛️ Lomonosov Moscow State University	0.90	35.1	30,802	18.3	

# Табличное представление данных и экспорт:

☰ Metric 1 ▾

Field-Weighted  
Citation Impact ⚙️

☰ Metric 2 ▾

Collaboration ⚙️

☰ Metric 3 ▾

Scholarly Output ⚙️

+ Add metrics

Entity

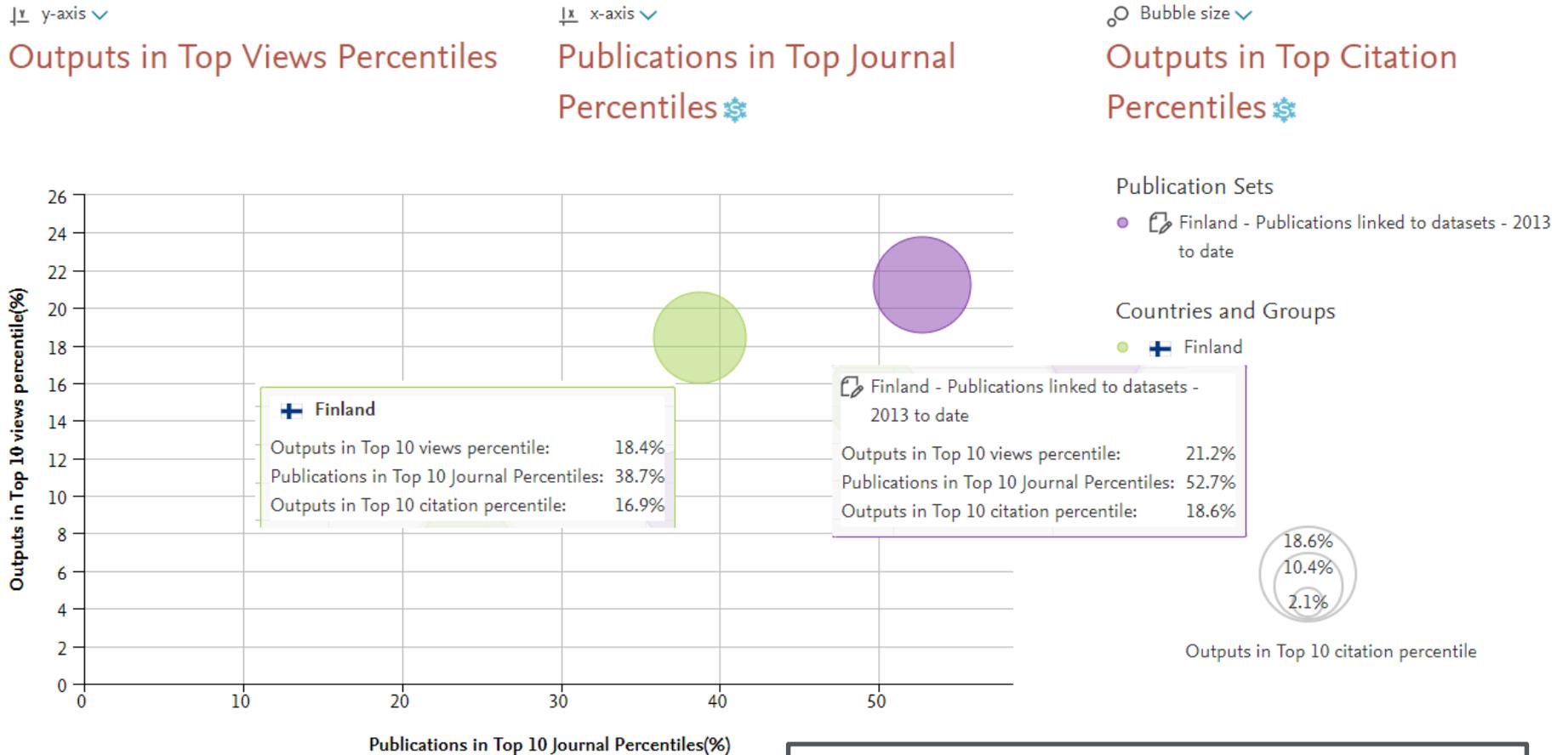
Field-Weigh... ▾

Collaboration ⚙️ ▾

Scholarly O... ▾

Entity	Field-Weigh...	Collaboration ⚙️	Scholarly O...
🏛️ Northeastern University	2.16	40.2	11,694
🏛️ University of East Anglia	2.14	49.0	8,911
🏛️ Aalborg University	2.00	49.9	15,962
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🏛️ Cardiff University	1.90	49.1	18,533
🏛️ University of Münster	1.74	46.5	17,312
🏛️ Royal Institute of Technology	1.69	61.4	20,684
🏛️ Western University	1.68	42.5	20,775
🏛️ University of Technology Sydney	1.66	51.4	13,963
🏛️ University of Twente	1.56	51.5	12,771
🏛️ University of Konstanz	1.51	54.6	5,422
🏛️ Korea University	1.38	29.0	24,822
🏛️ Shanghai Jiao Tong University	1.19	26.6	68,262
🏛️ Lomonosov Moscow State University	0.90	35.1	30,802

# Другой пример - Финляндия – публикация исследовательских данных:



Share of publications with datasets: 2,2%

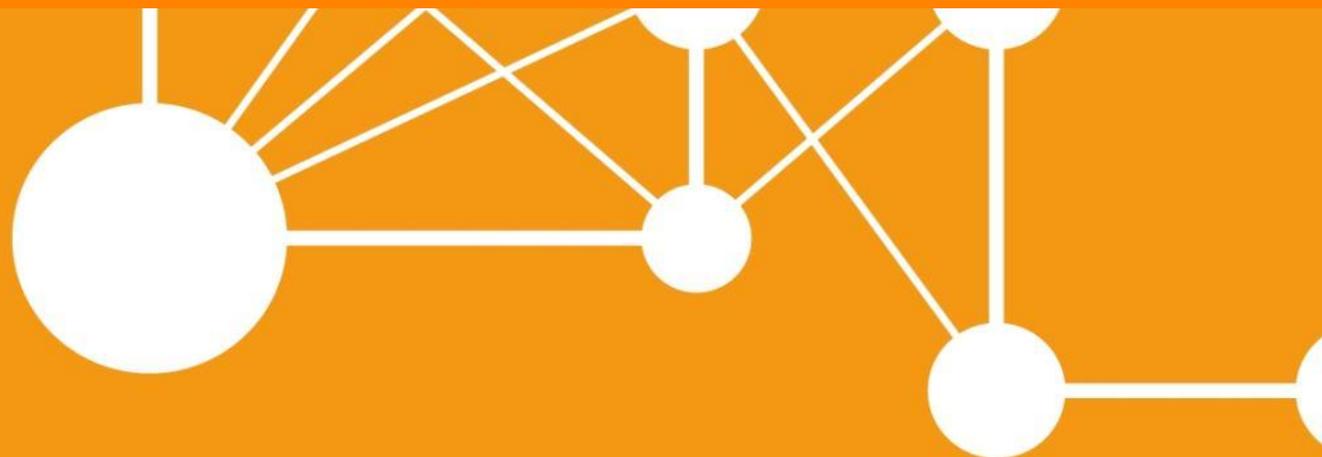
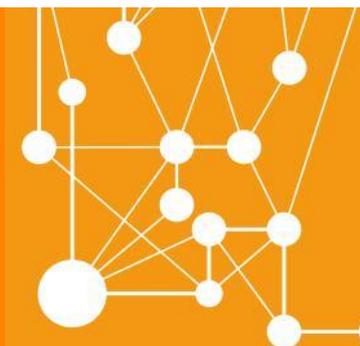
Source: SciVal, data extracted on April 30, 2018

## Проверка

Оценка и анализ научно-публикационной деятельности университета:

- a) Метрики продуктивности и результативности. Индексы, нормализованные по дисциплинам. Способы оценки цитируемости и факторы, влияющие на нее
- b) Предметные классификации: QS, THE, ASJC и показатели университета по ним
- c) Сравнение с ведущими ВУЗами в стране и мире, соседями в рейтингах, с целью выявления сильных и слабых сторон (по дисциплинам и научным темам)
- d) Оценка эффективности различных форм сотрудничества (национального и международного)

# 3. Планирование и мониторинг публикационных показателей НИР.



## Содержание раздела:

- Планирование и мониторинг публикационных показателей НИР.
  - Методология тематической классификации науки, оценка глобальной актуальности научных направлений/тем.
  - Анализ научных работ с учетом трендов в мировой науке.
  - Определение программ (тематик) внутренней поддержки НИР. Управление и оценка портфеля исследовательских проектов.
  - Анализ (рейтингование) конференций и других научных мероприятий для участия представителей университета в разрезе научных тем.

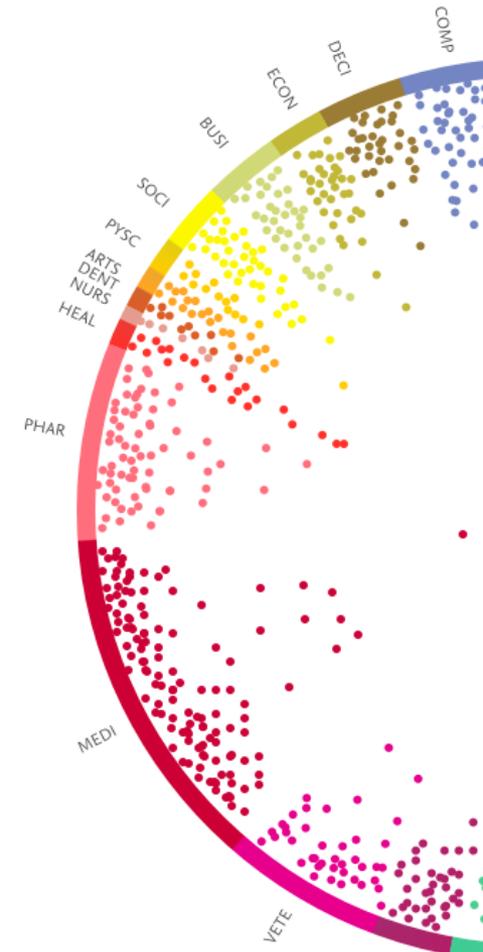
## Задача:

Какое научное направление сейчас наиболее актуально в мире из выбранных:

- a) Secondary Batteries; Electric Batteries; Lithium Alloys
- b) Algorithms; Computer Vision; Models
- c) Quantum Optics; Quantum Computers; Quantum Theory
- d) Cryptography; Authentication; Data Privacy
- e) Genes; Gene Regulatory Networks; Gene Expression

## Наше решение:

- Мы определили **~100.000** глобальных исследовательских тем и проранжировали их по **актуальности**
- **“Prominence”** - это новый индикатор, который отражает текущее внимание к теме в научном сообществе, ее актуальность
- Определяется по свежим **цитированиям**, **просмотрам** и **CiteScore** журналов, где публикуются работы по указанным темам
- **Проминентность – это внимание**, а не важность!
- **Проминентность предсказывает финансирование** – так мы помогаем исследователям и управленцам находить области науки, которые вероятнее всего скоро привлекут финансирование



## Мы хотели помочь:

... исследователям:

- **Найти направления работ с высоким потенциалом и большими шансами на финансирование**
- **Показать**, что они активны в востребованных в мире направлениях исследований
- **Найти лучших** потенциальных соавторов в этих темах
- **Определять новые развивающиеся темы и связанные с ними направления исследований**, чтобы оставаться в курсе развития мировой и локальной науки



... тем, кто управляет наукой:

- **Определять** направления исследований, которые вероятнее всего получат финансирование
- **Находить лучших** ученых и восходящих звезд в этих областях для предложения им работы или коллабораций
- **Показать**, что их университет активен в актуальных для мировой науки направлениях исследований
- **Определять над чем работают другие** университеты и насколько эта работа востребована

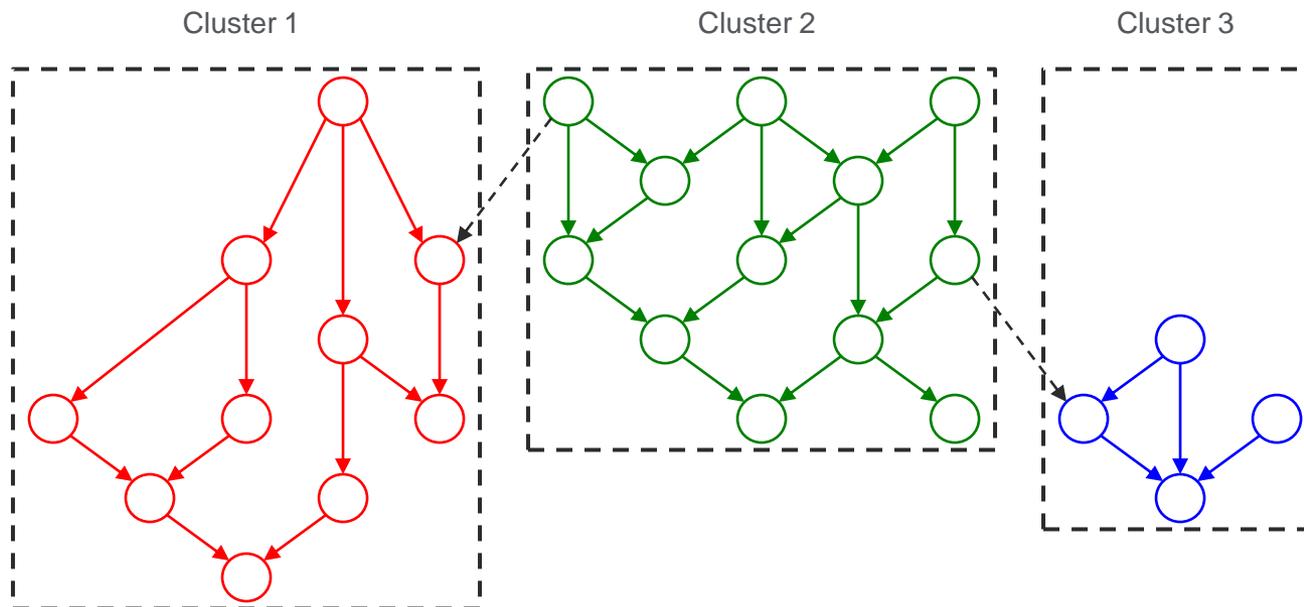
## Темы и их характеристики

- *Тема* – это набор публикаций с общим интеллектуальным интересом – «исследовательская проблема»
- *Темы* могут быть большими или маленькими, старыми или новыми, растущими, стабильными или они могут терять интерес научного сообщества
- Темы хорошо отражают междисциплинарные направления исследований
- *Темы* динамичны и могут развиваться
- Могут рождаться новые *темы*
- Старые *темы* могут быть в состоянии покоя, стагнации, но все равно будут существовать
- Ученые мобильны и могут работать над разными *темами*



## Как идентифицировать “Темы”?

- Все публикации Scopus объединены в темы учитывая их связи друг между другом
- ~48 миллионов публикаций (с 1996 г.) , 582 пар цитирований объединены в ~100,000 тем



## Новый индикатор: Topic prominence

Индикатор объединяет 3 метрики, чтобы определить актуальность темы:

- Кол-во цитирований в году  $n$  работ опубликованных в году  $n$  и  $n-1$
- Кол-во просмотров в Scopus в году  $n$  работ опубликованных в году  $n$  и  $n-1$
- Средний **CiteScore** журналов для года  $n$

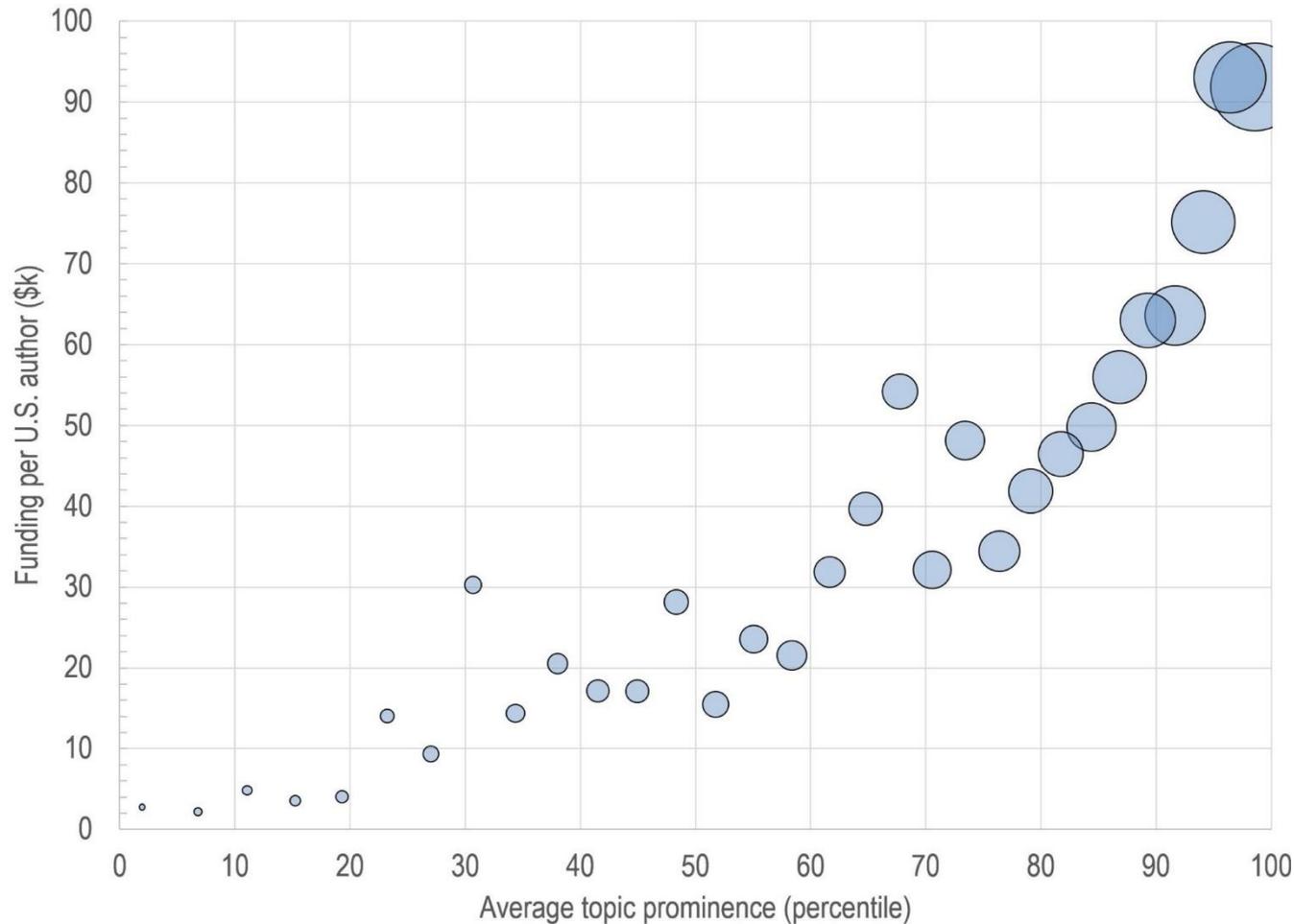
Почему мы называем это “Prominence” / Актуальность?

- Prominence  $\neq$  Важность (Темы могут быть важными, но не актуальными)
- Prominence  $\sim$  Видимость, внимание



$$\text{CiteScore 2016} = \frac{\text{Citations in 2016}}{\text{Number of documents published in 3 years}}$$

## Проминентность и финансирование



Зависимость объемов финансирования в пересчете на индивидуального ученого в США (2010 г.) от проминентности темы. Размер кругов отображает кол-во авторов в темах.

# Глобальный рейтинг научных тем – совокупный и предметный

**World**

2013 to >2018 | no subject area filter selected | ASJC | Data sources

Summary | **Topics** | Awarded Grants | Published | Viewed | Cited | Economic Impact | Autl >

**Browse Topics** | + Add to Reporting | Export v

Researchers in the World have contributed to 95,764 topics between 2013 to >2018

Table | Wheel | Filter the World's Topics

World			
Topic	Scholarly Output	Field-Weighted Citation Impact	Prominence percentile
Perovskite; Solar cells; methylammonium lead ... T.20	9,440	4.71	100.000
Solar cells; Heterojunctions; organic photovoltaics ... T.0	8,374	2.01	99.993
Molybdenum compounds; Monolayers; dichalcogenides TMDs ... T.63	7,648	3.00	99.999
RNA, Long Untranslated; Neoplasms; cancer tissues ... T.115	6,825	2.88	99.986
Electrolytic capacitors; Capacitance; asymmetric supercapacitors ... T.6	6,679	2.91	99.992
Neural networks; Convolution; convolutional layers ... T.4338	5,935	4.34	99.963
Immunotherapy; Melanoma; immune-related adverse ... T.403	5,721	4.76	99.991
Multi agent systems; Topology; containment control ... T.9	5,145	1.62	99.839
Aortic Valve; Aortic Valve Stenosis; severe symptomatic ... T.32	5,076	1.66	99.900
Genome; RNA, Guide; effector nucleases ... T.456	5,044	3.50	99.994
Recommender systems; Filtration; rating matrix ... T.31	4,811	1.50	99.774
Metagenome; Obesity; gut microbial ...	4,756	2.79	99.985

## Материалы по теме:

### Topics and prominence.

Klavans, R. and K.W. Boyack, [Research portfolio analysis and topic prominence](#). Journal of Informetrics, 2017. Under review, expected to be published Fall 2017.

### Accuracy of competing methods

Klavans, R. and K.W. Boyack, [Which type of citation analysis generates the most accurate taxonomy of scientific and technical knowledge?](#) Journal of the Association for Information Science and Technology, 2017. 68(4): p. 984-998.

### Emerging topics.

Small, H., K.W. Boyack, and R. Klavans, [Identifying emerging topics in science and technology](#). Research Policy, 2014. 43: p. 1450-1467.

### How Topics are created

Ludo Waltman and Nees Jan van Eck [A New Methodology for Constructing a Publication-Level Classification System of Science](#). Journal of the American Society for Information Science and Technology 63(12): 2378-2392, 2012

**Garfield:** Mapping the social sciences: contribution of technology to information retrieval

Google: "Elsevier topics of prominence"

<https://www.elsevier.com/solutions/scival/releases/topic-prominence-in-science>

# Рейтинг тем:

**World**

2013 to >2018 | no subject area filter selected | ASJC | Data sources

Summary | **Topics** | Awarded Grants | Published | Viewed | Cited | Economic Impact | Autl >

**Browse Topics** + Add to Reporting Export

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Recommender systems; Filtration; rating matrix ... T.31	4,811	1.50	99.774
Metagenome; Obesity; gut microbial ...	4,756	2.79	99.985

# Фильтр по дисциплинам:

The screenshot displays the SciVal interface with the following components:

- Navigation:** Overview, Benchmarking, Collaboration, Trends, Reporting, My SciVal, Scopus.
- Left Panel (Filters):**
  - Institutions and Groups
  - Researchers and Groups
  - Publication Sets
  - Countries and Groups: World (selected), Armenia, Belarus, EU28 - European Union, France, Georgia, Germany, Iran, Kazakhstan, Mongolia, Poland, Russian Federation, Turkmenistan, United Kingdom, United States, Uzbekistan.
  - Topics and Research Areas
- Main Content:**
  - World** (2013 to >2018)
  - Polymers and Plastics** (ASJC)
  - Browse Topics:**
    - Health Professions
    - Immunology and Microbiology
    - Materials Science (selected)
      - Biomaterials
      - Ceramics and Composites
      - Electronic, Optical and Magnetic Materials
      - General Materials Science
      - Materials Chemistry
      - Materials Science (miscellaneous)
      - Metals and Alloys
      - Polymers and Plastics (highlighted)
      - Surfaces, Coatings and Films
    - Mathematics
    - Medicine
  - Table:**

Topic	Count	Prominence	Percentile
Solar cells; Heterojunctions; organic photovoltaics ... T.0	8,374	2.01	99.993
Cellulose; Cellulose derivatives; nanocrystals CNC ... T.348	4,044	1.76	99.970
Natural fibers; Fibers; natural fibre ... T.4	3,903	1.18	99.671
Micelles; Drug delivery; free DOX ... T.947	2,738	2.08	99.942
Lactic acid; Blending; cold crystallization ... T.397	2,498	1.32	99.698
Electrospinning; Nanofibers; electrospinning parameters ... T.104	2,485	1.04	99.455
Phase change materials; Heat storage; thermal reliability ... T.719	2,463	1.55	99.883
Membranes; Separation; CO2/CH4 selectivity ... T.153	2,268	1.65	99.922
Ultrafiltration; Membranes; flux recovery ... T.448	2,222	1.44	99.853
Polyethyleneimine; Transfection; nonviral gene ... T.149	2,080	1.42	99.764
Dielectric properties; Dielectric losses; PVDF matrix ... T.1413	2,006	1.54	99.707
Flame retardants; Polypropylenes; polyphosphate APP ... T.787	1,861	0.93	98.998

# Темы для группы организаций:

Hide tags

## World Steel Producers

China Iron and Steel Research Institute Group , Nippon Steel & Sumitomo Metal Corporation ...
View all

2013 to >2018
no subject area filter selected
ASJC
Data sources

Summary
Topics
Awarded Grants
Published
Viewed
Cited
Economic Impact
Societa

**Browse Topics** + Add to Reporting Export

Researchers in World Steel Producers have contributed to 2,408 topics between 2013 to >2018

Table
Heat map
Wheel

Filter this Institution Group's Topics

Bubble size: Scholarly Output of World Steel Producers View: Top 1% of worldwide Topics by Prominence

Subject area abbreviations

<ul style="list-style-type: none"> <li><span style="color: #0070C0;">■</span> COMP Computer Science</li> <li><span style="color: #4F81BD;">■</span> MATH Mathematics</li> <li><span style="color: #000080;">■</span> PHYS Physics and Astronomy</li> <li><span style="color: #0000FF;">■</span> CHEM Chemistry</li> <li><span style="color: #00BFFF;">■</span> CENG Chemical Engineering</li> <li><span style="color: #00CED1;">■</span> MATE Materials Science</li> <li><span style="color: #00CED1;">■</span> ENGI Engineering</li> <li><span style="color: #FFFF00;">■</span> ENER Energy</li> <li><span style="color: #90EE90;">■</span> ENVI Environmental Science</li> <li><span style="color: #32CD32;">■</span> EART Earth and Planetary Sciences</li> <li><span style="color: #3CB371;">■</span> AGR Agricultural and Biological Sciences</li> <li><span style="color: #3CB371;">■</span> BIOC Biochemistry, Genetics and Molecular Biology</li> <li><span style="color: #800080;">■</span> IMM Immunology and Microbiology</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: #800000;">■</span> MEDI Medicine</li> <li><span style="color: #FF0000;">■</span> PHAR Pharmacology, Toxicology and Pharmaceutics</li> <li><span style="color: #FF0000;">■</span> HEAL Health Professions</li> <li><span style="color: #FF4500;">■</span> NURS Nursing</li> <li><span style="color: #8B4513;">■</span> DENT Dentistry</li> <li><span style="color: #8B4513;">■</span> NEUR Neuroscience</li> <li><span style="color: #FF8C00;">■</span> ARTS Arts and Humanities</li> <li><span style="color: #FFD700;">■</span> PSYC Psychology</li> <li><span style="color: #FFD700;">■</span> SOC Social Sciences</li> <li><span style="color: #FFD700;">■</span> BUSI Business, Management and Accounting</li> <li><span style="color: #90EE90;">■</span> ECON Economics, Econometrics and Finance</li> <li><span style="color: #808080;">■</span> DECI Decision Sciences</li> <li><span style="color: #808080;">■</span> MULT Multidisciplinary</li> </ul>
---	---

Institutions and Groups

- World Steel Producers
- 5-100
- Academia Sinica
- ArcelorMittal
- BASF SIBUR
- Belgorod State University
- BP plc
- Defense Advanced Research Projects Agency
- Energy research Centre of the Netherlands - ECN
- Higher School of Economics
- I. M. Gubkin Russian State University of Oil and Gas
- Irkutsk National Research Technical University
- Irkutsk State University
- Kazan National Research Technological University
- Massachusetts Institute of Technology
- Mitsubishi Chemical Corporation SIBUR
- Moscow Institute of Physics and Technology
- Moscow State Aviation Institute
- Moscow State Institute of International Relations (MGIMO-University)
- Moscow State Technical University
- Moscow State University

[+ Add Institutions and Groups](#)

[x Remove all entities from this section](#)

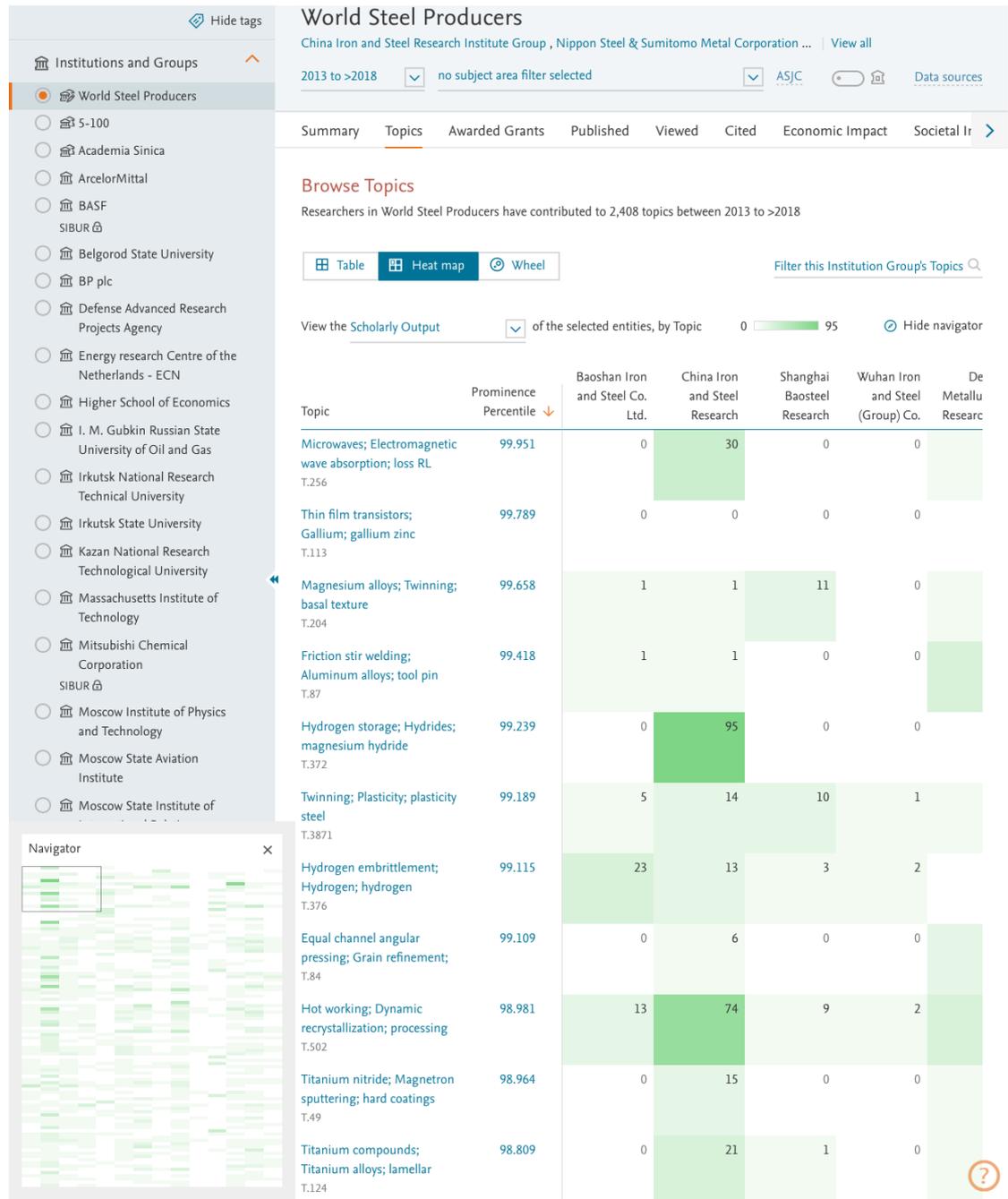
Researchers and Groups

Publication Sets

Countries and Groups

Topics and Research Areas

# Тепловая карта ТЕМ



# Обзор темы

Hide tags

- Institutions and Groups
- Researchers and Groups
- Publication Sets
- Countries and Groups
- Topics and Research Areas
  - Polyurethanes; Elastomers; polyurethane elastomers T.2181**
  - Cryptography; Network protocols; virtual currencies T.27660
  - Decision making; MCDM; multi-criteria decision T.11733
  - Elastomers; Rubber; copolymer AEM T.74698
  - Electron microscopy; Connectome; serial block-face T.25128
  - Gyrotrons; Electron beams; gyron cavity T.463
  - Hydrogen embrittlement; Hydrogen; hydrogen trapping T.378
  - Hydrogen; Cracks; crack resistance T.40000
  - Marketing; Search engines; engine advertising T.18659
  - Martensite; Steel; phase steels T.4259
  - Melting; Additives; laser melted T.1114
  - muons; cross sections; CMD-3 detector T.5118
  - Music; Emotions; music preference T.7139
  - Nanocrystals; Platinum; metal nanocrystals T.1303
  - Neurofeedback; Magnetic Resonance Imaging; neurofeedback training T.35725
  - NGO Steel - 27 August 2018
  - NGO Steel - 4 September 2018
  - Perovskite; Solar cell; methylammonium lead T.20
  - Project management; Project portfolio; R&D projects T.7665
  - Research; Psychology; replication attempts T.10852
  - Stochastic programming; Chance constraints; Probabilistic constraints T.38937
  - Terahertz spectroscopy; Terahertz waves; terahertz time T.532
  - thermoplastic elastomer synthesis - 23 July 2018
  - ipe synthesis - 23 July 2018

+ Add Topics and Research Areas  
X Remove all entities from this section

## Polyurethanes; Elastomers; polyurethane elastomers T.2181

2013 to 2018 | no subject area filter selected | ASJC | [Data sources](#)

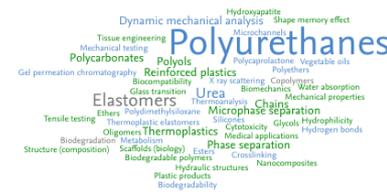
Summary | Institutions | Countries | Authors | Scopus Sources | Keyphrases | Related Topics

### Overall research performance



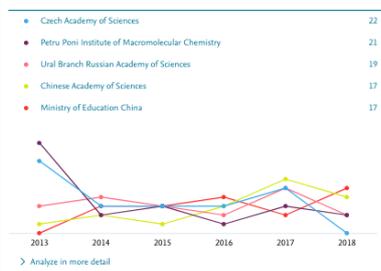
### Topic character

Keyphrase analysis |  Representative publications  
Top 50 keyphrases by relevance, based on 678 publications | [Learn about keyphrase calculations](#)



AAA relevance of keyphrase | declining AAA growing (2013-2017)

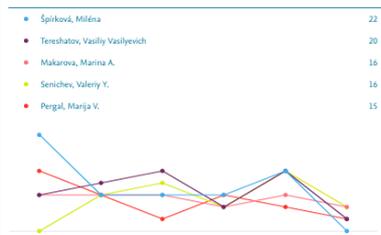
### Institutions



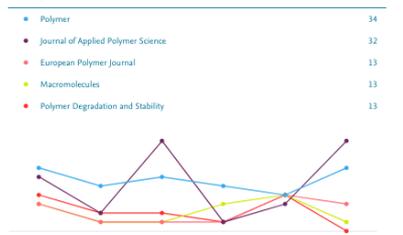
### Countries & regions



### Authors



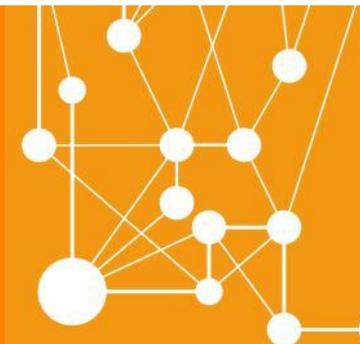
### Scopus Sources



## Проверка - Содержание раздела:

- Планирование и мониторинг публикационных показателей НИР.
  - Методология тематической классификации науки, оценка глобальной актуальности научных направлений/тем.
  - Анализ научных работ с учетом трендов в мировой науке.
  - Определение программ (тематик) внутренней поддержки НИР. Управление и оценка портфеля исследовательских проектов.
  - Анализ (рейтингование) конференций и других научных мероприятий для участия представителей университета в разрезе научных тем.

# 4. SciVal для ученых - наукометрический обзор исследовательских областей.



## Содержание раздела:

- Возможности для ученых:
  - Наукометрический обзор собственной области исследований – поиск ключевых публикаций, авторов, организаций.
  - Поиск потенциальных партнеров по коллаборациям.
  - Оценка актуальности выбранного исследовательского направления и поиск смежных, альтернативных тем.
  - Подбор журналов и конференций для представления результатов исследований или участия.

## Создание своей области исследования для анализа ВОЗМОЖНО:

- на основе предметных подобластей классификации Scopus (ASJC) – **Topics and Research Area**
- на основе представленных тем – **Topics and Research Area**
- на основе ключевых слов и фраз в публикациях Scopus – **Topics and Research Area**
- на основе публикаций конкретного журнала (-ов) – **Topics and Research Area**
- на основе публикаций страны/группы стран – **Topics and Research Area**
- на основе публикаций организации (-ций) – **Topics and Research Area**
- на основе поиска в Scopus и импорта найденных результатов в SciVal – **Publication Set**



обновляемые данные



не обновляемые данные

# Анализ и поиск публикаций по ключевым словам:

## Уточнение запроса:

производство термоэластопластов



((thermoplastic AND elastomer AND synthesis ) )



(((((thermoplastic AND elastomer ) OR tpe ) AND synthesis ) )



(((((thermoplastic AND elastomer ) OR tpe ) AND (synthesis OR manufacturing OR production)))

## Другие примеры:

- Solar cells "Conversion efficiency"
- Mental health Autism -children
- (speech OR voice) AND recognition

# Анализ и поиск публикаций по ключевым словам:

The screenshot shows the 'Edit this Research Area' interface in SciVal. The current step is '2. Refine definition'. The search definition is: '(((thermoplastic and elastomer ) or tpe ) and (synthesis or manufacturing or production ) ) )'. The total number of matching publications is 724. A list of subject areas is shown with checkboxes and progress bars indicating the number of publications in each area.

Definition of your Research Area: (((thermoplastic and elastomer ) or tpe ) and (synthesis or manufacturing or production ) ) )

Total matching publications (2013-present): 724

Currently applied filters: No filters applied yet

Subject Area	Publications
<input type="checkbox"/> Materials Science	404
<input type="checkbox"/> Chemistry	350
<input type="checkbox"/> Engineering	184
<input type="checkbox"/> Chemical Engineering	177
<input type="checkbox"/> Physics and Astronomy	95
<input type="checkbox"/> Biochemistry, Genetics and Molecular Biology	53
<input type="checkbox"/> Medicine	42
<input type="checkbox"/> Energy	28
<input type="checkbox"/> Environmental Science	28
<input type="checkbox"/> Computer Science	22
<input type="checkbox"/> Agricultural and Biological Sciences	16
<input type="checkbox"/> Immunology and Microbiology	10
<input type="checkbox"/> Multidisciplinary	9
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  - Polyurethanes; Elastomers; polyurethane elastomers T.2181**
  - Cryptography; Network protocols; virtual currencies T.27660
  - Decision making; MCDM; multi-criteria decision T.11733
  - Elastomers; Rubber; copolymer AEM T.74698
  - Electron microscopy; Connectome; serial block-face T.23528
  - Cyclotrons; Electron beams; proton cavity T.483
  - Hydrogen embrittlement; Hydrogen; hydrogen trapping T.376
  - Hydrogen; Cracks; crack resistance T.46000
  - Marketing; Search engines; engine advertising T.13459
  - Martensite; Steel; phase steels T.6256
  - Melting; Additives; laser melted T.1114
  - musos; cross sections; CMD-3 detector T.5118
  - Music; Emotions; music preference T.7339
  - Nanocrystals; Platinum; metal nanocrystals T.1303
  - Neurofeedback; Magnetic Resonance Imaging; neurofeedback training T.5725
  - NGO Steel - 27 August 2018
  - NGO Steel - 4 September 2018
  - Perovskite; Solar cells; methylammonium lead T.20
  - Project management; Project portfolio; R&D projects T.760
  - Research; Psychology; replication attempts T.1052
  - Stochastic programming; Chance constraints; Probabilistic constraints T.3897
  - Terahertz spectroscopy; Terahertz waves; terahertz time T.52
  - thermoplastic elastomer synthesis - 23 July 2018
  - ipe synthesis - 23 July 2018

+ Add Topics and Research Areas  
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## Polyurethanes; Elastomers; polyurethane elastomers T.2181

2013 to 2018 no subject area filter selected ASJC Data sources

Summary Institutions Countries Authors Scopus Sources Keyphrases Related Topics

### Top authors

Worldwide   + Add to Reporting Export

Top 500 authors in this Topic, by Scholarly Output

Author	Affiliation	Scholarly Output	Views Count	Field-Weights...	Citation Count
1. Špirková, Mléna	Czech Academy of Sciences	22	1423	1.11	199
2. Terehalov, Vasily Vasilyevich	Ural Branch Russian Academy of Sciences	20	133	0.07	17
3. Makarova, Marina A.	Ural Branch Russian Academy of Sciences	16	83	0.06	11
4. Semichev, Valery Y.	Ural Branch Russian Academy of Sciences	16	105	0.09	15
5. Pergal, Marija V.	University of Belgrade	15	871	1.03	128
6. Porež, Rafal	Czech Academy of Sciences	13	876	1.31	143
7. Fernández D'Arce, Borja	Universidad Publica de Navarra	12	536	1.25	138
8. Slobodinyuk, Alexey I.	RAS	12	72	0.08	11
9. Byczyński, Lukasz	Rzeszów University of Technology	11	459	0.70	68
10. Eceiza, Arana	University of the Basque Country	10	521	1.33	133
11. Kojio, Ken	Kyushu University	10	251	0.83	20
12. Oprea, Stefan	Petru Poni Institute of Macromolecular Chemistry	10	167	0.23	34
13. Janik, Helena	Gdańsk University of Technology	9	637	1.49	137
14. Kultys, Anna	Maria Curie-Skłodowska University	9	583	1.49	58
15. Runt, James P.	Pennsylvania State University	9	334	0.95	85
16. Takahara, Atsushi	Japan Science and Technology Agency	9	260	1.09	35
17. Valero, Manuel F.	Universidad de la Sabana	9	256	0.41	20
18. Vnutskikh, Zh A.	RAS	9	45	0.10	9
19. Corcuera, Maria Angeles	University of the Basque Country	8	424	1.51	126
20. Kacitika-Lipka, Justyna	Gdańsk University of Technology	8	325	0.88	58
21. Ostojic, Sanja B.	University of Belgrade	8	529	1.27	85
22. Padalgikar, Ajay Devidas	Unknown institution	8	136	0.56	32
23. Cauch-Rodriguez, Juan Valerio	CINVESTAV-IPN	7	311	0.62	49
24. Cervantes-Uc, José M.	CINVESTAV-IPN	7	311	0.62	49
25. Cosgriff-Herrández, Elizabeth M.	Texas A and M University	7	223	2.13	49
26. Diaz-Barrera, Luis Eduardo	Universidad de la Sabana	7	206	0.41	14
27. Faust, Rudolf	University of Massachusetts Lowell	7	199	0.73	43
28. Gubafika, Iga	Gdańsk University of Technology	7	288	1.25	56
29. Hou, Zhaozheng	Shandong Normal University	7	125	0.98	29
30. Potolinc, Violeta Ottilia	Petru Poni Institute of Macromolecular Chemistry	7	120	0.17	18
31. Puzska, Andrzej	Maria Curie-Skłodowska University	7	424	1.23	35
32. Vargan-Coronado, Rosana F.	CINVESTAV-IPN	7	311	0.62	49
33. Volkova, Ekma R.	RAS	7	42	0.06	6
34. Yilgör, İskender	Koc University	7	332	2.33	248
35. Adhikari, Raju	CSIRO	6	93	0.50	9
36. Bahadur, Ali	Quaid-i-Azam University	6	102	2.05	22
37. Chan-Chan, L. H.	Universidad de Sonora	6	303	0.73	49
38. Hodan, Jill	Czech Academy of Sciences	6	318	1.24	36
39. Hsu, Shan-hui	National Health Research Institutes Taiwan	6	240	2.61	69
40. Kredatusová, Jana	Czech Academy of Sciences	6	318	1.24	36
41. Pavlović, Jelena M.	University of Novi Sad	6	416	1.13	76
42. Pösel, Elmar	BASF	6	137	0.67	17
43. Regalada, Magdalena	Maria Curie-Skłodowska University	6	285	1.79	28
44. Serkis-Rodzeń, Magdalena	Queen's University Belfast	6	344	1.20	42
45. Shoab, Muhammad Harris	University of Agriculture Faisalabad	6	102	2.05	22
46. Stefanović, Ivan S.	University of Belgrade	6	335	1.04	36
47. Wilkes, Garth L.	Virginia Polytechnic Institute and State University	6	156	2.60	172
48. Yilgör, Emel	Koc University	6	299	2.31	236
49. Barkani, Mehdi	Ivan Polymer and Petrochemical Institute	5	233	0.57	36

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  - Polyurethanes; Elastomers; polyurethane elastomers T.2181
  - Cryptography; Network protocols; virtual currencies T.27660
  - Decision making; MCDM; multi-criteria decision T.13733
  - Elastomers; Rubber; copolymer AEM T.74698
  - Electron microscopy; Connectome; serial block-face T.23528
  - Cyclotrons; Electron beams; gyrontron cavity T.483
  - Hydrogen embrittlement; Hydrogen; hydrogen trapping T.376
  - Hydrogen; Cracks; crack resistance T.46000
  - Marketing; Search engines; engine advertising T.13459
  - Martensite; Steel; phase steels T.8256
  - Melting; Additives; laser melted T.1114
  - muons; cross sections; CMD-3 detector T.5118
  - Music; Emotions; music preference T.7339
  - Nanocrystals; Platinum; metal nanocrystals T.1303
  - Neurofeedback; Magnetic Resonance Imaging; neurofeedback training T.5525
  - NGO Steel - 27 August 2018
  - NGO Steel - 4 September 2018
  - Perovskite; Solar cells; methylammonium lead T.20
  - Project management; Project portfolio; R&O projects T.960
  - Research; Psychology; replication attempts T.18852
  - Stochastic programming; Chance constraints; Probabilistic constraints T.38937
  - Terahertz spectroscopy; Terahertz waves; terahertz time T.532
  - thermoplastic elastomer synthesis - 23 July 2018
  - tpe synthesis - 23 July 2018
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## Polyurethanes; Elastomers; polyurethane elastomers T.2181

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Summary | Institutions | Countries | **Authors** | Scopus Sources | Keyphrases | Related Topics

### Top authors

Europe | Russian Federation | reset filter

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Top 500 authors in this Topic, by Scholarly Output

View on Chart | Add to panel

	Author	Affiliation	Scholarly Output	Views Count	Field-Weight...	Citation Count
1.	Terezhátov, Vasily Vasilyevich	Ural Branch Russian Academy of Sciences	20	133	0.07	17
2.	Makarova, Marina A.	Ural Branch Russian Academy of Sciences	16	83	0.06	11
3.	Senichev, Valery Y.	Ural Branch Russian Academy of Sciences	16	105	0.09	15
4.	Slobodnyuk, Alexey I.	RAS	12	72	0.08	11
5.	Vnutskikh, Zh. A.	RAS	9	45	0.10	9
6.	Volkova, Elena R.	RAS	7	42	0.06	6
7.	Strelnikov, V. N.	Ural Branch Russian Academy of Sciences	4	16	0.03	2
8.	Yakovlev, S. N.	St. Petersburg State Polytechnical University	2	12	0.27	3
9.	Afanaziev, E. S.	RAS	1	12	0.00	0
10.	Akkadskii, Andrey A.	RAS	1	12	0.00	0
11.	Atta'Evu, S. A.	RAS	1	8	0.00	0
12.	Bazhva, R. Ch	Unknown institution	1	3	0.00	0
13.	Begiyev, M. B.	Unknown institution	1	3	0.00	0
14.	Begishev, Valerij P.	Perm State National Research University	1	10	0.00	0
15.	Benyasev, N. E.	Unknown institution	1	12	0.00	0
16.	Bedarneeva, Z. L.	Unknown institution	1	3	0.00	0
17.	Borisona, I. L.	RAS	1	0	0.00	0
18.	Boruklav, T. A.	Unknown institution	1	3	0.00	0
19.	Botvinova, O. A.	Unknown institution	1	14	0.00	0
20.	Buryak, Aleksey K.	RAS	1	12	0.00	0
21.	Denisyuk, Evgeniy Ya	Ural Branch Russian Academy of Sciences	1	3	0.00	0
22.	Dobrynin, A. A.	Unknown institution	1	12	0.00	0
23.	Fedoseev, Mikhail S.	RAS	1	16	0.00	0
24.	Garayev, Ilgiz KH	Kazan National Research Technological University	1	14	0.29	2
25.	Gladkova, O. A.	RAS	1	5	0.00	0
26.	Goleneva, Lidya M.	RAS	1	12	0.00	0
27.	Golubev, A. E.	Unknown institution	1	14	0.29	2
28.	Gostev, Alexander A.	Russian Ministry of Health	1	13	0.00	0
29.	Guseva, Daria Victorovna	Moscow State University	1	15	0.00	0
30.	Guseva, Evgenia N.	St. Petersburg National Research University of Information Technologies, Mechanics and Optics (ITMO)	1	21	0.00	0
31.	Iartsev, Stepan O.	RAS	1	12	0.00	0
32.	Ibragimov, E. N.	Unknown institution	1	14	0.29	2
33.	Kapralova, V. M.	St. Petersburg State Polytechnical University	1	8	0.00	0
34.	Karov, Dmitrii Dmitrii	St. Petersburg State Polytechnical University	1	8	0.00	0
35.	Karpenko, A. A.	Unknown institution	1	13	0.00	0
36.	Khalatur, Pavel G.	University of Ulm	1	15	0.00	0
37.	Kharasov, A. M.	Unknown institution	1	3	0.00	0
38.	Komarov, Pavel V.	RAS	1	15	0.00	0
39.	Kostochka, Anatoly V.	Kazan National Research Technological University	1	14	0.29	2
40.	Kranosel'skikh, S. F.	RAS	1	0	0.00	0
41.	Kurpedinov, K. S.	Unknown institution	1	12	0.00	0
42.	Laktionov, Pavel P.	RAS - Siberian Branch	1	13	0.00	0
43.	Lanina, S. Ya	Unknown institution	1	12	0.00	0
44.	Medvedev, V. P.	Volgograd State Technical University	1	9	0.00	0
45.	Nechaev, Anton I.	RAS	1	0	0.00	0
46.	Oshchepkova, T. E.	RAS	1	0	0.00	0
47.	Panov, Yu T.	Vladimirskiy Gosudarstvennyy Universitet	1	14	0.00	0
48.	Patlzhan, Stanislav Abramovich	RAS	1	13	0.00	0

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  - Cryptography; Network protocols; virtual currencies T.27660
  - Decision making; MCDM; multi-criteria decision T.13283
  - Elastomers; Rubber; copolymer AEM T.74098
  - Electron microscopy; Connectome; serial block-face T.23528
  - Gyrotrons; Electron beams; gyrotron cavity T.463
  - Hydrogen embrittlement; Hydrogen; hydrogen trapping T.376
  - Hydrogen; Cracks; crack resistance T.9600
  - Marketing; Search engines; engine advertising T.11459
  - Martensite; Steel; phase steels T.6256
  - Melting; Additives; laser melted T.1134
  - muons; cross sections; CMD-3 detector T.5118
  - Music; Emotions; music preference T.739
  - Nanocrystals; Platinum; metal nanocrystals T.1303
  - Neurofeedback; Magnetic Resonance Imaging; neurofeedback training T.35725
  - NGO Steel - 27 August 2018
  - NGO Steel - 4 September 2018
  - Perovskite; Solar cells; methylammonium lead T.20
  - Project management; Project portfolio; R&D projects T.7665
  - Research; Psychology; replication attempts T.10852
  - Stochastic programming; Chance constraints; Probabilistic constraints T.18937
  - Terahertz spectroscopy; Terahertz waves; terahertz time T.532
  - thermoplastic elastomer synthesis - 23 July 2018
  - Upe synthesis - 23 July 2018
- Add Topics and Research Areas
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## Polyurethanes; Elastomers; polyurethane elastomers T.2181

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Summary | Institutions | Countries | Authors | Scopus Sources | Keyphrases | Related Topics | Data sources

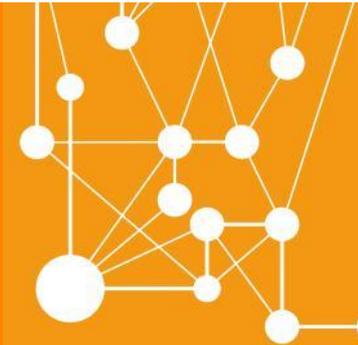
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Top 50 related Topics, by keyphrase match

Topics	Relatedness	Scholarly Output	Prominence percentile
Polyurethanes; Elastomers; scanning electron T.78541	96%	51	64.246
Polyurethanes; MicroRNAs; oxidative stress T.85311	95%	35	61.439
Polyurethanes; Emulsification; polyurethane dispersions T.5658	95%	770	94.309
Polyimides; Foams; dielectric constant T.35528	95%	115	66.321
Thermoplastic elastomers; Elastomers; hard segments T.21536	94%	94	64.917
Thermoplastics; Rubber; tensile strength T.67350	93%	30	15.265
Polycarbonates; Phenols; valeric acid T.91413	93%	11	18.932
Polyurethanes; Flame retardants; PU coatings T.51679	93%	17	13.604
Elastomers; Blending; elastomer TPEE T.80051	92%	21	54.857
Polyurethanes; Extruders; vane extruder T.48705	92%	68	48.613
Swelling; Polyacrylates; natural rubber T.84060	92%	36	39.897
Curing; Oligomers; epoxy acrylate T.49391	92%	40	20.897
Chitosan; Biomaterials; Cell proliferation T.84384	92%	19	34.411
Fluorine; Latexes; butyl acrylate T.10405	92%	380	85.042
Interpenetrating polymer networks; Polyurethanes; Rubber T.7808	92%	261	83.291
Hydrogels; Interpenetrating polymer networks; glucose permeability T.64367	92%	16	42.192
Urea; Oligomers; tensile strength T.60102	92%	20	37.558
Polyurethanes; Foams; polyurethane PU T.22949	91%	257	86.038
Impact strength; Phenolic resins; Synthesis (chemical) T.36237	91%	12	4.088
Zinc compounds; Metal complexes; Polycondensation T.57768	91%	16	30.984
Chitosan; Enzymatic hydrolysis; Chitin T.56945	91%	34	9.391
Phase separation; Polymer blends; Copolymers T.59775	91%	20	35.942
Hot melt adhesives; Polyurethanes; Adhesives T.66063	91%	28	15.340
Polybutadienes; Polyurethanes; polybutadiene HTPB T.31306	91%	141	72.951
Fillers; Composite materials; storage modulus T.80916	91%	12	10.727
Polyimides; Silicones; alicyclic tetracarboxylic T.59468	91%	17	17.099
Polyurethanes; Biomaterials; platelet adhesion T.23190	91%	50	64.310
Fluorine; Foams; X-ray diffraction T.96198	91%	10	1.981
Polymers; Mechanical properties; molecular composites T.53460	91%	11	53.431
Emulsion polymerization; Acrylic monomers; contact angle T.68230	91%	35	50.617
Polyesters; Acids; dielectric spectroscopy T.91984	91%	18	31.197
Antistatic agents; Tonic liquids; scanning electron T.53992	90%	79	69.861
Polyamides; Anionic polymerization; anionic ring-opening T.20112	90%	151	74.771

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Nature Nanotechnology

Volume 12, Issue 3, 7 March 2017, Pages 194-206

### Reviving the lithium metal anode for high-energy batteries (Review)

Lin, D.<sup>a</sup>, Liu, Y.<sup>a</sup>, Cui, Y.<sup>a,b</sup> [✉](#)

<sup>a</sup>Department of Materials Science and Engineering, Stanford University, Stanford, CA 94305, United States

<sup>b</sup>Stanford Institute for Materials and Energy Sciences, SLAC National Accelerator Laboratory, 2575 Sand Hill Road, Menlo Park, CA 94025, United States

#### Abstract

Lithium-ion batteries have had a profound impact on our daily life, but inherent limitations make it difficult for Li-ion chemistries to meet the growing demands for portable electronics, electric vehicles and grid-scale energy storage. Therefore, chemistries beyond Li-ion are currently being investigated and need to be made viable for commercial applications. The use of metallic Li is one of the most favoured choices for next-generation Li batteries, especially Li-S and Li-air systems. After falling into oblivion for several decades because of safety concerns, metallic Li is now ready for a revival, thanks to the development of investigative tools and nanotechnology-based solutions. In this Review, we first summarize the current understanding on Li anodes, then highlight the recent key progress in materials design and advanced characterization techniques, and finally discuss the opportunities and possible directions for future development of Li anodes in applications. © 2017 Macmillan Publishers Limited, part of Springer Nature. All rights reserved.

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Topic: [Lithium](#) | [Solid electrolytes](#) | [lithium dendrite](#)

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387  Citations in Scopus  
99th Percentile

53.65  Field-Weighted Citation Impact

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[A novel CuS/graphene-coated separator for suppressing the shuttle effect of lithium/sulfur batteries](#)

Li, H. , Sun, L. , Zhao, Y.  
(2019) *Applied Surface Science*

[One-pot solution coating of high quality LiF layer to stabilize Li metal anode](#)

Lang, J. , Long, Y. , Qu, J.  
(2019) *Energy Storage Materials*

[Heterogeneous nucleation and growth of electrodeposited lithium metal on the basal plane of single-layer graphene](#)

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<input type="checkbox"/> Institutions	<input type="checkbox"/> Scopus affiliation IDs	<input type="checkbox"/> All Science Journal Classification (ASJC)	<input type="checkbox"/> CiteScore 2017
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2016 (907)

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2	Use of encapsulated carvacrol-resistant strains of <i>Rhipicephalus</i>				
3	Chemical characterization of satureioides C. & B. and O. (Lamiaceae) essential oils Anderson & Trueman (Ac)				
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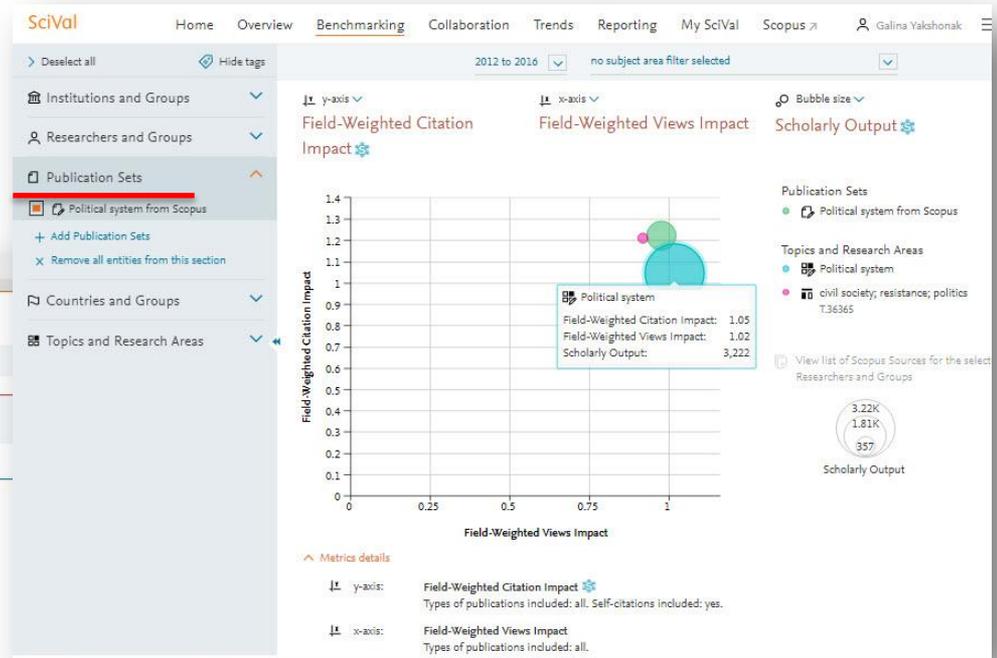
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	2-s2.0-85028547919	Unknown or invalid ID. This may have been published before 1996. SciVal covers publications from 1996 onwards.
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# Детальный анализ на уровне статей

The screenshot displays the SciVal Benchmarking interface. The main content area shows a table titled 'Scholarly Output' with columns for years from 2012 to 2018 and an 'Overall' column. The 'Overall' column values are highlighted with a red box. The interface includes a left sidebar for navigation, a top navigation bar, and various filters and controls.

**Table: Scholarly Output**

Entity	2012	2013	2014	2015	2016	2017	2018	Overall
Nizhni Novgorod State University	405	502	744	987	1,016	808	28	4,490
Novosibirsk State University	1,004	1,216	1,750	2,262	2,698	2,582	61	11,573
Peoples' Friendship University of Russia	228	264	277	332	746	953	23	2,823
Samara National Research University	206	203	449	606	793	814	10	3,081
Samara State University	0	0	0	0	0	0	0	0
Sechenov First Moscow State Medical University	186	294	321	393	739	868	9	2,810
Siberian Federal University	276	315	426	502	574	595	13	2,701
South Ural State University	110	138	235	437	611	552	12	2,095
St. Petersburg National Research University of Information Technologies, Mechanics and	351	503	1,174	1,674	2,007	1,772	62	7,543

# Детальный анализ на уровне статей (2)

Publications at Samara National Research University

Year range: 2012 to 2018

3,081 publications

Export ^

▼ Authors

- All authors
- Khonina, S.N.
- Kotlyar, V.V.
- Doskolovich, L.L.
- Kazanskiy, N.L.
- Porfiryev, A.P.

Show more

▼ Author numbers

- All authors
- < 10
- < 50
- < 100

▼ Institutions

- All institutions
- Samara National Research University
- RAS
- RAS - Pn Lebedev Physics Institute
- Samara State Technical University
- Tomsk State University

Title	Authors	Year	Journal	Volume	Pages
Applied topological analysis of crystal structures with the program package topospro	Blatov, V.A., Shevchenko, A., Proserpio, D.M.				
Nanocluster analysis of intermetallic structures with the program package TOPOS	Blatov, V.A.	2012	Structural Chemistry	297	
Two metal-organic frameworks with unique high-connected binodal network topologies: Synthesis, structures, and catalytic properties	Cui, G.-H., He, C.-H., Jiao, C.-H. and 2 more	2012	CrystEngComm	164	
High-nuclearity cobalt coordination clusters: Synthetic, topological and magnetic aspects	Kostakis, G.E., Perlepes, S.P., Blatov, V.A. and 2 more	2012	Coordination Chemistry Reviews	124	

Export the list of publications to a spreadsheet file (CSV)

Export the list of publications to a spreadsheet file (XLS)

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Export publications

Select the fields you want to include in the export for your selected publications.

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Publication basics	Publication details	Publication metrics	Scopus Source related
<input checked="" type="checkbox"/> Title	<input checked="" type="checkbox"/> Reference	<input checked="" type="checkbox"/> Views	<input checked="" type="checkbox"/> Volume
<input checked="" type="checkbox"/> Authors	<input checked="" type="checkbox"/> Abstract	<input checked="" type="checkbox"/> Field-weighted views impact	<input checked="" type="checkbox"/> Issue
<input checked="" type="checkbox"/> Year	<input checked="" type="checkbox"/> EID (Scopus ID)	<input checked="" type="checkbox"/> Citations	<input checked="" type="checkbox"/> Pages
<input checked="" type="checkbox"/> Scopus Source title	<input checked="" type="checkbox"/> PubMed ID	<input checked="" type="checkbox"/> Number of Authors	<input checked="" type="checkbox"/> ISSN
<input checked="" type="checkbox"/> DOI	<input checked="" type="checkbox"/> Scopus Author IDs	<input checked="" type="checkbox"/> Field-weighted citation impact	<input checked="" type="checkbox"/> Source-type
<input checked="" type="checkbox"/> Publication-type	<input checked="" type="checkbox"/> Scopus affiliation IDs	<input checked="" type="checkbox"/> Outputs in Top Citation Percentiles, per percentile	<input checked="" type="checkbox"/> SNIP 2016
<input checked="" type="checkbox"/> Institutions	<input checked="" type="checkbox"/> Scopus affiliation names	<input checked="" type="checkbox"/> Field-Weighted Outputs in Top Citation Percentiles, per percentile	<input checked="" type="checkbox"/> CiteScore 2016
	<input checked="" type="checkbox"/> Country		<input checked="" type="checkbox"/> SJR 2016
	<input checked="" type="checkbox"/> All Science Journal Classification (ASJC)		

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13 Truncated Some Authors cells are truncated and therefore show the first 500 Authors. Some Institutions cells are truncated and therefore show the first 100 Institutions.

Title	Authors	Number of Scopus Au	Year	Scopus So	Volume	Issue	Pages	ISSN	Source-tyr	SNIP 2016	CiteScore	SJR 2016	Field-Wei	Views	Citations	Field-Wei	Outputs in	Field-Wei
GEANT4 - J Agostinelli	127	10041722	2003	Nuclear Ir	506	3	250-303	1689002	Journal	1.352	1.44	0.916	0	944	133.8	1	1	1
Review of Beringer, J	195	14067325	2012	Physical F	86	1	-	1.6E+07	Journal	1.144	-	-	0	429	5277	460.3	1	1
Review of Olive, K.A.	209	14067325	2014	Chinese Pl	38	9	-	1.7E+07	Journal	0.381	3.35	0.314	15.25	194	4619	231.8	1	1
Review of Amsler, C.	173	10045236	2008	Physics Le	667	01-May	01-Jun	3702693	Journal	2.265	4.33	3.309	62.52	1562	4405	65.86	1	1
Review of Nakamura	179	14067325	2010	Journal of	37	7:00 AM	-	9543899	Journal	0.983	1.97	1.178	0	208	4333	65.41	1	1
Observati Aad, G., Ak	2932	10039166	2012	Physics Le	716	1	Jan-29	3702693	Journal	2.265	4.33	3.309	181.24	2693	3807	212.97	1	1
Geant4 de Allison, J.	73	10046049	2006	IEEE Trans	53	1	270-278	189499	Journal	1.048	1.43	0.567	13.89	304	2578	90.58	1	1
Experimer Adams, J.	369	12751926	2005	Nuclear Pl	757	1-2	SPEC	102-183	Journal	1.04	1.57	1.116	9.89	299	1997	30.54	1	1
The ATLAS Aad, G., Ak	2926	10039166	2008	Journal of	3	8	-	1.7E+07	Journal	1.064	1.22	0.908	120.33	1582	1636	105.38	1	1

Publications (18)

# Использование данных для отчетности, экспорт

The screenshot displays the SciVal Reporting interface. The top navigation bar includes 'Overview', 'Benchmarking', 'Collaboration', 'Trends', 'Reporting', 'My SciVal', and 'Scopus'. A red arrow points to the 'Reporting' tab. The main content area features a bubble chart with 'Field-Weighted Views Impact' on the y-axis and 'Field-Weighted Citation Impact' on the x-axis. A context menu is open over the chart, showing options: 'Export the data to a spreadsheet file (CSV)', 'Export the data to a spreadsheet file (XLS)', and 'Export the chart as an image file'. The chart data points are as follows:

Field-Weighted Citation Impact (X-axis)	Field-Weighted Views Impact (Y-axis)	Entity
~0.15	~0.2	Dark Matter_Econ
~0.65	~1.0	dark matter; cosmic rays; positron fraction T.421
~0.75	~3.5	Moscow Engineering Physics Institute

Below the chart, a 'Metrics details' section shows a 'Scholarly Output' summary with three values: 9.20K, 5.18K, and 1.02K. The left sidebar contains a list of 'Topics and Research Areas' with checkboxes, including 'Dark Matter\_Econ' and 'dark matter; cosmic rays; positron fraction T.421'.

# Темы в Scopus

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Nature Nanotechnology

Volume 12, Issue 3, 7 March 2017, Pages 194-206

### Reviving the lithium metal anode for high-energy batteries (Review)

Lin, D.<sup>a</sup>, Liu, Y.<sup>a</sup>, Cui, Y.<sup>a,b</sup> [✉](#)

<sup>a</sup>Department of Materials Science and Engineering, Stanford University, Stanford, CA 94305, United States

<sup>b</sup>Stanford Institute for Materials and Energy Sciences, SLAC National Accelerator Laboratory, 2575 Sand Hill Road, Menlo Park, CA 94025, United States

#### Abstract

[View references \(140\)](#)

Lithium-ion batteries have had a profound impact on our daily life, but inherent limitations make it difficult for Li-ion chemistries to meet the growing demands for portable electronics, electric vehicles and grid-scale energy storage. Therefore, chemistries beyond Li-ion are currently being investigated and need to be made viable for commercial applications. The use of metallic Li is one of the most favoured choices for next-generation Li batteries, especially Li-S and Li-air systems. After falling into oblivion for several decades because of safety concerns, metallic Li is now ready for a revival, thanks to the development of investigative tools and nanotechnology-based solutions. In this Review, we first summarize the current understanding on Li anodes, then highlight the recent key progress in materials design and advanced characterization techniques, and finally discuss the opportunities and possible directions for future development of Li anodes in applications. © 2017 Macmillan Publishers Limited, part of Springer Nature. All rights reserved.

#### SciVal Topic Prominence ⓘ

Topic: [Lithium](#) | [Solid electrolytes](#) | [lithium dendrite](#)

Prominence percentile: 99.946  ⓘ

Metrics ⓘ [View all metrics](#) >

387  Citations in Scopus  
99th Percentile

53.65  Field-Weighted Citation  
Impact



PlumX Metrics [v](#)

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

#### Cited by 387 documents

[A novel CuS/graphene-coated separator for suppressing the shuttle effect of lithium/sulfur batteries](#)

Li, H. , Sun, L. , Zhao, Y.  
(2019) *Applied Surface Science*

[One-pot solution coating of high quality LiF layer to stabilize Li metal anode](#)

Lang, J. , Long, Y. , Qu, J.  
(2019) *Energy Storage Materials*

[Heterogeneous nucleation and growth of electrodeposited lithium metal on the basal plane of single-layer graphene](#)

# Добавление группы ученых и иерархическая структура:

Add researcher data, separate values by `||` or a carriage return (Alt+Enter)

Author	Name variants	Affiliation	EIDs	DOIs	PMIDs	Title	ISSN/Volume/Issue/Pages	Scopus Author ID	ORCID	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
Colledge, Lisa	Colledge, L.	Oxford University				Project Snowball - Sharing data for cross-institutional benchmarking	18770509/33//297-300 1389130/92/2/367-376			Top Researchers					
Kamalski, Judith	Kamalski, J	Utrecht University	2-s2.0-80051744268 2-s2.0-84866145113							Top Researchers					
Heeman, Frans C.								6505857281							
Neal, David	Neal D. E.   Neal D.	University of Cambridge				Synthetic lethality between androgen receptor signalling and the PARP pathway in prostate cancer				University of Cambridge	Department of Cancer	Medicine			
Darroch, Peter									0000-0002-0852-8569	Top Researchers					

Add hierarchy using levels, Level 1 is the top one

The more information, the higher the accuracy of the results.

The columns on the left in black are to identify the researchers and the columns on the right in green are to put them in the hierarchy.



# Шаг 1: Создание мастер-файла

MSU researchers.xlsx

Home Insert Page Layout Formulas Data Review View

E9

	A	B	C	D	E	G	I	J	K	L	M	N
1	Author	Name variants	Affiliation	EIDs	DOIs	Title	Scopus Author ID	ORCID	Level 1	Level 2	Level 3	Level 4
2	Slepkov, Alexander		Lomonosov Moscow State University				6602104140	0000-0001-8932-5132	МГУ им. Ломоносова	Физический факультет	Кафедра общей физики	
3	Sysoev, Nicolai	Sysoev, Nikolay	Lomonosov Moscow State University						МГУ им. Ломоносова	Физический факультет	Кафедра общей физики	
4	Avakyan, Lev		Lomonosov Moscow State University		10.1134/S1063782617020038				МГУ им. Ломоносова	Физический факультет	Кафедра общей физики	
5	Aleshkevich, Victor		Lomonosov Moscow State University				7004546803		Lomonosov Moscow State University	Faculty of Physics	Department of General Physics	
6	Klavysuk, Andrey		Lomonosov Moscow State University			Self-learning kinetic Monte Carlo simulations			Lomonosov Moscow State University	Faculty of Physics	Department of General Physics	Nanostructure Physics Theoretical Group
7	Tsysar, Kseniya		Lomonosov Moscow State University				49864772600		Lomonosov Moscow State University	Faculty of Physics	Department of General Physics	Nanostructure Physics Theoretical Group
8							36020924600	0000-0001-8839-1226	Lomonosov Moscow State University	Faculty of Physics	Department of General Physics	Nanostructure Physics Theoretical Group
9							57190028557		Lomonosov Moscow State University	Faculty of Physics	Department of General Physics	Nanostructure Physics Theoretical Group
10							7005865001		Lomonosov Moscow State University	Faculty of Physics	Department of General Physics	Complex Systems Electrodynamics Group
11								0000-0003-1157-4221	Lomonosov Moscow State University	Faculty of Physics	Department of General Physics	Complex Systems Electrodynamics Group
12							36801533400		Lomonosov Moscow State University	Faculty of Physics	Department of General Physics	Complex Systems Electrodynamics Group
13							7005699025		МГУ им. Ломоносова	Биологический факультет		
14	Buzhlova, Alexandra		Lomonosov Moscow State University						МГУ им. Ломоносова	Биологический факультет	Кафедра Антропологии	
15		Shaitan, K. Shaitan, K. V. Shaitan,	Lomonosov Moscow State University						МГУ им. Ломоносова	Биологический факультет	Кафедра Биотехнологии	
16							35584579500		МГУ им. Ломоносова	Биологический факультет	Кафедра Биотехнологии	
17								0000-0002-1596-9506	МГУ им. Ломоносова	Биологический факультет	Кафедра Биотехнологии	
18							7006839334		МГУ им. Ломоносова	Биологический факультет	Кафедра Биотехнологии	
19								0000-0002-1456-1832	МГУ им. Ломоносова	Биологический факультет	Кафедра Биотехнологии	
20							7003938395		МГУ им. Ломоносова	Биологический факультет	Кафедра Биотехнологии	
21	Eldarov, M		Lomonosov Moscow State University			Genome sequence			МГУ им. Ломоносова	Биологический факультет	Кафедра Биотехнологии	
22				2-s2.0-85054800658								
23				2-s2.0-85050971313								
24			Lomonosov Moscow Stat	2-s2.0-85052443275			24446372300		МГУ им. Ломоносова	Биологический факультет	Кафедра Биофизики	

Researchers +

Ready

90%

## Шаг 2: уточнение профилей

### Import Researchers ✕

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

**18 matched authors**  

 will be directly imported into SciVal.

[? Learn more](#)

Author <span style="font-size: 0.8em;">↑</span>	Publications
Aleshkevich, Victor A.	73
Avakyants, Lev P.	52
Buzhilova, Alexandra P.	29
Feofanov, A. V.	142
Gerasimenko, Tatiana N.	17
Kabanov, N. S.	5
Kirpichnikov, Mikhail P.	371
Klavsyuk, A. L.	46
Kochieva, Elena Z.	134
Polyakov, Peter A.	71

**2 suggested authors**  

 can be imported into SciVal after refinement or by dragging the best matched profile to the left.

[? Learn more & export names](#)

Author	Best match <span style="font-size: 0.8em;">↓</span>
⋮ Shaitan, K. Shaïtan	
⋮ Eldarov, M	

**1 author not found**  

 and will not be imported into SciVal.

[? Learn more & export names](#)

Author <span style="font-size: 0.8em;">↑</span>
Sysoev, Nicolai

< Previous step
Next step >

# Шаг 3: распределение людей по структуре

## Import Researchers

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

### Entities to be imported

Type to filter

All

- Tsysar, Kseniya M.
- Smelova, Ekaterina M.
- Klavsyuk, A. L.
- Kabanov, N. S.
- Rusakova, Natalia E.
- Polyakov, Peter A.
- Gerasimenko, Tatiana N.
- Aleshkevich, Victor A.
- Rubin, Andrei B.
- Alam, Maqsudul Nurul
- Skryabin, Konstantin G.
- Ravin, Nikolai V.
- Kochieva, Elena Z.
- Kirpichnikov, Mikhail P.

< Previous step

### Structures to be imported

Type to filter

Tags

- МГУ им. Ломоносова  
+ Add group
- Физический факультет  
+ Add group
- Кафедра общей физики  
+ Add group
- Avakyants, Lev P.
- Slepkov, Alexander I.
- Биологический факультет  
+ Add group
- Кафедра Антропологии  
+ Add group
- Buzhilova, Alexandra P.
- Кафедра Биоинженерии  
+ Add group

Save and finish >

# Структура доступна:

 Add to panel  Tags  Share  Edit  Delete  Export <span style="float: right;"> Add new</span>		
<input type="checkbox"/>	Name	Tags
	<input type="checkbox"/> >  Lomonosov Moscow State University	 Added
	<input type="checkbox"/> v  МГУ им. Ломоносова	 Added
	<input type="checkbox"/> v  Биологический факультет	    
	<input type="checkbox"/> >  Кафедра Антропологии	 Added
	<input type="checkbox"/> v  Кафедра Биоинженерии	 Added
	<input type="checkbox"/>  Feofanov, A. V.	 Added
	<input type="checkbox"/>  Shaïtan, Konstantin Voldemarovich	 Added
	<input type="checkbox"/>  Tonevitsky, A. G.	 Added
	<input type="checkbox"/> v  Кафедра Биотехнологии	 Added
	<input type="checkbox"/>  Alam, Maqsudul Nurul	 Added
	<input type="checkbox"/>  Kochieva, Elena Z.	 Added
	<input type="checkbox"/>  Ravin, Nikolai V.	 Added
	<input type="checkbox"/>  Skryabin, Konstantin G.	 Added
	<input type="checkbox"/> >  Кафедра Биофизики	 Added
	<input type="checkbox"/>  Kirpichnikov, Mikhail P.	 Added
	<input type="checkbox"/> v  Физический факультет	 Added
	<input type="checkbox"/> >  Кафедра общей физики	 Added

# SciVal предоставит необходимую информацию для анализа и планирования развития научно-исследовательской деятельности

SciVal предлагает быстрый и простой доступ к обзору и анализу результатов научной деятельности по 230 странам и 12000 исследовательским организациям по всему миру, группам стран, организаций и исследователей.



## Overview

Готовая к просмотру картина по любому выбранному объекту



## Benchmarking

Гибкость в создании и сравнении любых исследовательских наборов данных



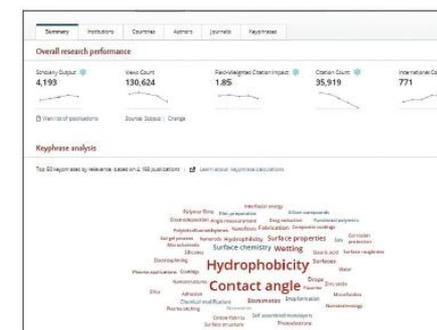
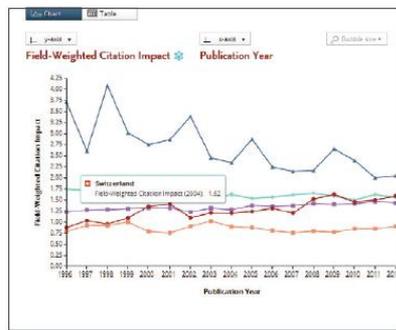
## Collaboration

Определение и анализ существующих и потенциальных возможностей сотрудничества



## Trends

Анализ исследовательских трендов и актуальности тем



# О чем еще можно задуматься?

## DISCOVER, ANALYZE & NETWORK

### Scopus

The broadest source of global scientific research.



### Mendeley

#### Reference manager

Free reference manager and academic social network



### Mendeley

#### Funding

Free discovery tool that catalogs grant information from over 2,000 funders across the globe.



## MANAGE & SHOWCASE

### Pure

Research information management system and research networking tool



### bepress

#### Digital Commons, EGS

Institutional repository & publishing platform for networks of full-text scholarship



### Mendeley Data

A modular, cloud-based platform designed for research institutions to manage the entire lifecycle of research data



## EVALUATE, PLAN & BENCHMARK

### SciVal

Visualize research performance, benchmark, develop partnerships and analyze research trends



### Research Metrics

Comprehensive suite of metrics helps to assess research impact



### Scopus Custom Data Analytical Services

Meeting needs from specified datasets to consultative analysis, reports & services



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