

Поиск, анализ научных статей и планирование научно-исследовательской деятельности с помощью Scopus



Андрей Локтев,
консультант по ключевым информационным решениям Elsevier

Как искать научную литературу?

Каким требованиям должен отвечать результат поиска научной литературы:

- Актуальность
- Достоверность:
 - только литература, прошедшая научное рецензирование
 - Только итоговые версии статей и монографий
- Охват
- Тематическое соответствие запросу
- Временные затраты



Scopus

крупнейшая в мире
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база научных публикаций и
цитирований

22 245 академических журналов
от **5 000** различных издательств включая **340** российских изданий

58.3 миллионов рефератов
Более **120** тысяч книг (в рамках программы расширения книжного контента)
Более **100** стран мира

5,5 млн. материалов научных конференций
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25,2 миллиона патентных записей

Естественно-
технические науки
6600

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6300

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4050

Гуманитарные
науки
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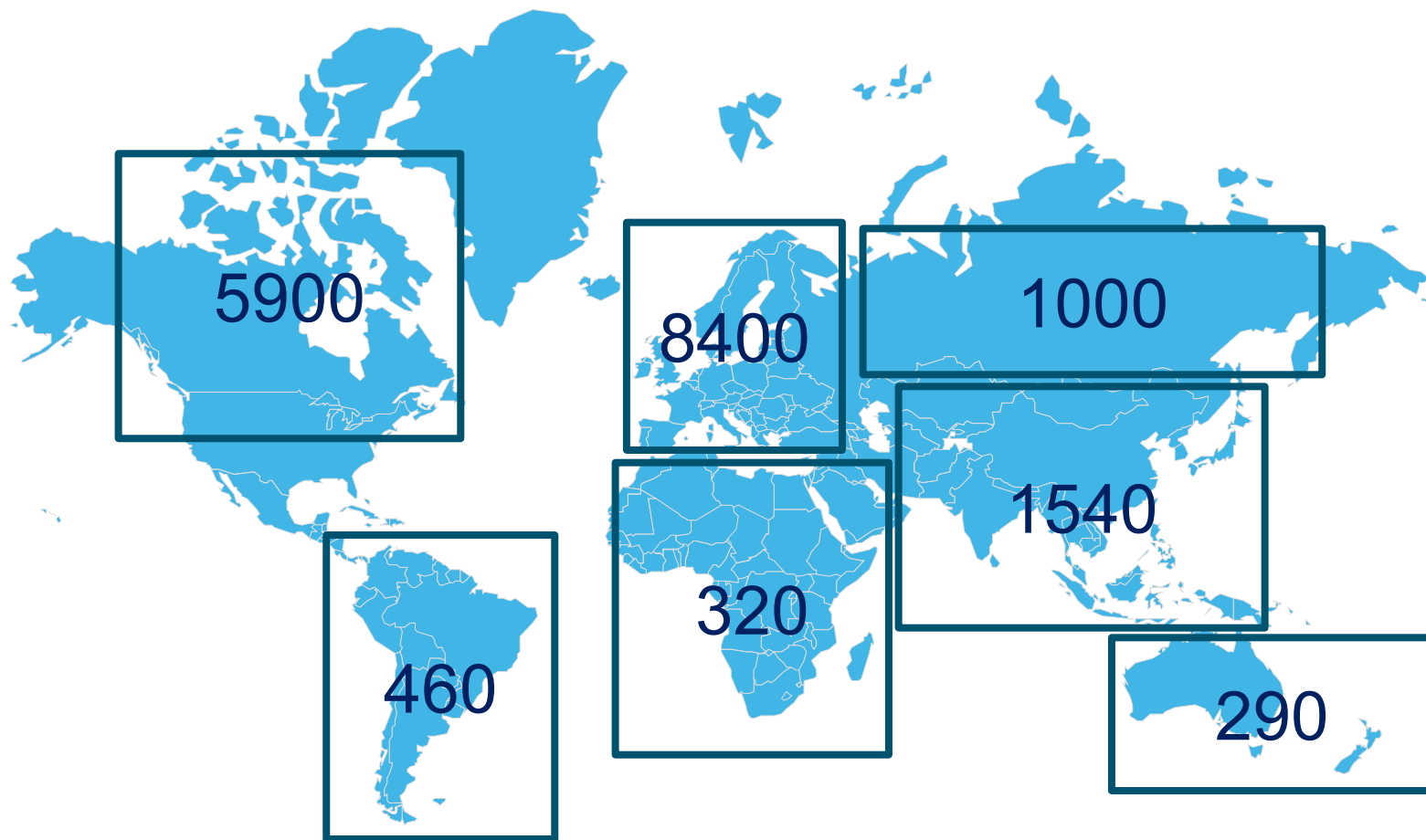


Scopus

- Реферативная база данных: ресурс, который не содержит полных текстов, но предоставляет ссылки на них
- Для статей имеются библиографические описания, аннотации и списки цитируемой литературы
- Функциональность позволяет искать все статьи, ссылающиеся на данную статью
- Доступна сортировка по количеству цитирований статьи (от наиболее цитируемых к наименее)
- Базовый пакет для анализа цитирований
- Поисковый механизм позволяющий мгновенно получить и проанализировать результаты научной работы

Scopus

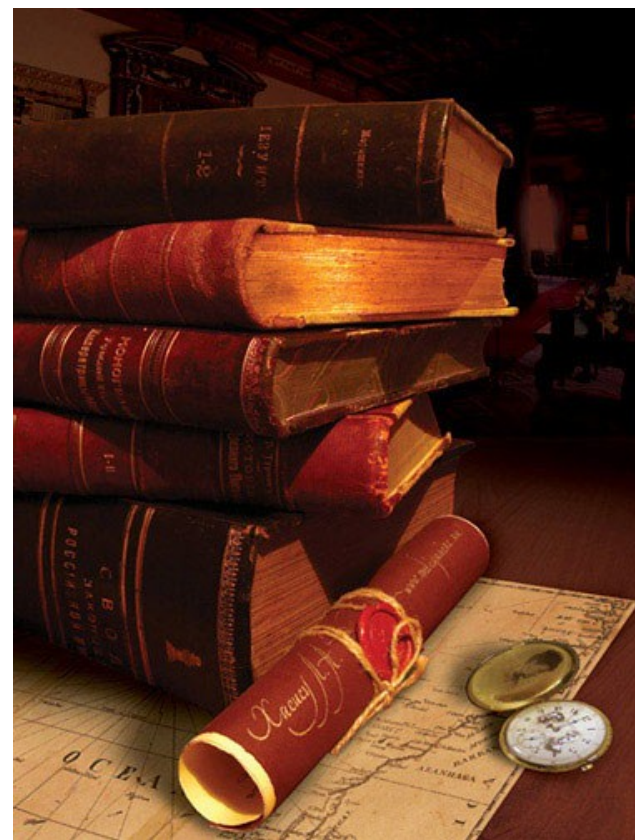
Кол-во изданий по географическим областям



Глубокий архив научных публикаций

Архивные материалы ведущих издательств и научных обществ:

- American Chemical Society (с 1879 года)
- Royal Society of Chemistry (с 1841 года)
- Elsevier (с 1823 года)
- Springer (с 1847 года)
- Institute of Physics (с 1874 года)
- American Physical Society (с 1893 года)
- American Institute of Physics (с 1939 года)
- Science (с 1880 года)
- Nature (с 1869 года)
- **OLDMEDLINE (1949-1965)**



Content Selection & Advisory Board Scopus



- Более 40 членов
- Включает ученых, библиотекарей, научных редакторов, специалистов по библиометрии
- 15 тематических комиссий
- Прозрачные принципы принятия и минимальные требования

Любой журнал в Scopus удовлетворяет следующим минимальным требованиям

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"composit* material*"

+ Add search field

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Published to

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Subject Areas

Life Sciences (> 4,300 titles.)

Health Sciences (> 6,800 titles. 100% Medline coverage)

Article Title, Abstract, Keywords

All Fields

Article Title, Abstract, Keywords

Authors

First Author

Source Title

Article Title

Abstract

Keywords

Affiliation

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Language

ISSN

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DOI

References

Conference

Article Title, Abstract, Keywords, Authors

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CAS Number



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Логические операторы

- OR
- AND
- AND NOT

Wild cards

\$ - один символ

* - 0 и более символов

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Работа с поисковым запросом

- Для первичного поиска используйте комбинацию Article Title+Abstract+Keywords
- Избегайте простых слов как 'a', 'the', 'in', 'with', 'if' в качестве поискового термина

Поиск фраз

Несколько слов, разделенных пробелом, воспринимаются как соединенные AND.

Фраза в кавычках « » - примерные соответствия. При этом будут отображаться результаты в единственном и во множественном числе и падежах. По запросу «интернет-сайт» будут показаны результаты для комбинаций: интернет-сайт, интернет сайты и др.

Фраза в фигурных скобках { } - конкретная фраза.. По запросу {интернет-сайт} будут показаны только результаты для комбинации интернет-сайт.

Расширенный поиск

Document search | Author search | Affiliation search

Advanced search

Browse Sources Analyze Journals

Search tips Field codes

(FUND-ACR(rfbr) AND SUBJAREA(MATE) and TITLE-ABS-KEY("elastic* propert**"))

более 40 полей поиска, включая и финансирующие фонды

Outline query Clear form Add Author name / Affiliation

As you type Scopus offers code suggestions. Double click or press

REFPUBYEAR
REFSRCTITLE
REFTITLE
SEQBANK
SEQNUMBER
SRCTITLE
SRCTYPE
SUBJAREA
TITLE
TITLE-ABS-KEY
TITLE-ABS-KEY-AUTH
TRADENAME

Code: SUBJAREA
Name: Subject Area

For Example:
Entering SUBJAREA(CHEM) \

[more info](#)

Advanced search example:

AI | ("heart attack") AND AI

Code: SUBJAREA
Name: Subject Area

For Example:

Entering SUBJAREA(CHEM) will return documents that classified under the subject area Chemistry.

Possible values for XX are:

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




Advanced search examples:

ALL("heart attack") AND AUTHOR-NAME(smith)

TITLE-ABS-KEY(*somatic complaint wom?n) AND PUBYEAR AFT 1993

SRCTITLE("field ornith") AND VOLUME(75) AND ISSUE(1) AND PAGES(53-66)

Расширенный поиск – помощь по ключевым словам

Code	Description	Example		
ALL	<p>All Fields</p> <p>Searches the following fields: ABS, AFFIL, ARTNUM, AUTH, AUTHCOLLAB, CHEM, CODEN, CONF, DOI, EDITOR, ISBN, ISSN, ISSUE, KEY, LANGUAGE, MANUFACTURER, PUBLISHER, PUBYEAR, REF, SEQBANK, SEQNUMBER, SRCTITLE, VOLUME, and TITLE.</p>	<p>ALL("heart attack") returns documents with "heart attack" in any of the fields listed.</p>		
ABS 	<p>Abstract</p> <p>A summary of the document.</p>	<p>ABS(dopamine) returns documents where "dopamine" is in the document abstract.</p>		
AFF-ID 	<p>Affiliation ID</p> <p>A unique identification number assigned to organizations affiliated with Scopus authors. For more information, see Scopus Affiliation Identifier.</p> <table border="1" data-bbox="434 885 975 1178"> <tr> <td>Note</td> <td> <ul style="list-style-type: none"> You cannot search using just the affiliation name. For example entering AFF-ID(Harvard Medical School) would not result in a match. Boolean operators cannot be used within the AFF-ID field. </td> </tr> </table>	Note	<ul style="list-style-type: none"> You cannot search using just the affiliation name. For example entering AFF-ID(Harvard Medical School) would not result in a match. Boolean operators cannot be used within the AFF-ID field. 	<p>AFF-ID(Harvard Medical School 3000604) or AFF-ID(3000604) returns documents written by authors affiliated with Harvard Medical School and variants of that name stored in Scopus.</p>
Note	<ul style="list-style-type: none"> You cannot search using just the affiliation name. For example entering AFF-ID(Harvard Medical School) would not result in a match. Boolean operators cannot be used within the AFF-ID field. 			
AFFIL 	<p>Affiliation</p> <p>When searching the AFFIL field, you can specify if you want all of your search terms to be found in the same affiliation.</p> <p>For more information and examples see Searching Affiliations and References</p>	<ul style="list-style-type: none"> To find documents where your search terms occur in the same affiliation, use: AFFIL(london and hospital) To find documents where both terms appear in a document's affiliation, but not necessarily in the same affiliation, use: AFFIL(london) and AFFIL(hospital) 		

Поиск статей и обзор научных направлений

Отображение поискового запроса (в том числе примененных фильтров) и возможность его редактирования

Различные варианты сортировки

Возможность поиска внутри полученных результатов

Возможность фильтрации (ограничение/исключение) по нескольким фильтрам сразу

Превью результатов фильтрации без перезагрузки страницы

(TITLE-ABS-KEY (anti*coagul*) AND TITLE-ABS-KEY (thromb agent*))

21,298 document results | View secondary documents | View 144 patent results | Analyze search results | Sort on: Date Cited by Relevance

Search within results... | Download | View citation overview | View Cited by | More... | Show all abstracts

Refine

Limit to Exclude

Year

- 2015 (493)
- 2014 (1,39)
- 2013 (1,32)
- 2012 (1,24)
- 2011 (1,08)

Author Name

- Lip, G.Y.H. (253)
- Fareed, J. (146)
- Hirsh, J. (97)
- Fuster, V. (90)
- Turpie, A.G.G. (75)

Subject Area

- Medicine (18,444)
- Pharmacology, Toxicology and Pharmaceutics (2,398)
- Biochemistry, Genetics and Molecular Biology (2,026)

During PCI for Patients with Stable Angina	Iqbal, A., Rodriguez, F., Schirmer, H.	2015	Current Cardiology Reports	0
Platelet and antithrombotic activity of a fibrin(ogen)olytic	Majumdar, S., Dutta, S., Das, T., Chattopadhyay, P., Mukherjee, A.K.	2015	International Journal of Biological Macromolecules	0
Is the use of risk scores an indicator of guideline adherence for 3 patients with acute coronary syndromes? Insights from the EYESHOT registry	De Luca, L., Leonardi, S., Tubaro, M., (...), Gulizia, M.M., De Servi, S.	2015	International Journal of Cardiology	0
Guidelines on stroke on a cross-sectional	Van Doorn, S., Hartman-Weide, F., Geersing, G.-J., (...), Hoes, A.W., Rutten, F.H.	2015	International Journal of Cardiology	0
Dual Antiplatelet Therapy in Acute Ischemic Stroke	Asdaghi, N., Romano, J.G.	2015	Current Atherosclerosis Reports	0
Rationale and design of the RT-AF study: Combination of rivaroxaban and ticagrelor in patients with atrial fibrillation and coronary artery disease undergoing percutaneous coronary intervention	Gao, F., Shen, H., Wang, Z.J., (...), Liu, X.L., Zhou, Y.J.	2015	Contemporary Clinical Trials	0

Основные проблемы при поиске

- Слишком много результатов
- Слишком мало результатов
- Результатов достаточно, но они не по теме



Слишком много результатов

- Добавьте еще ключевых слов в запрос или выберите из предложенных
- Ограничьте временной диапазон самыми новыми результатами
- От поиска по комбинации (название-аннотация-ключевые слова) перейдите к поиску только по названию
- Ограничьте поиск только обзорными статьями (review)
- Ограничьте перечень журналов наиболее престижными

Document Type	
<input type="checkbox"/> Article	(71,936)
<input type="checkbox"/> Conference Paper	(18,373)
<input type="checkbox"/> Review	(2,104)
<input type="checkbox"/> Conference Review	(795)
<input type="checkbox"/> Book Chapter	(668)

Слишком мало результатов

- Используйте ключевые слова из найденных статей вместо ваших
- Проверьте возможность альтернативного написания в поисковом запросе
- Добавьте больше вариантов (OR)
- Снимите имеющиеся временные и географические ограничения

Keyword		
<input type="checkbox"/>	Diamonds	(19,575) >
<input type="checkbox"/>	Diamond	(9,834) >
<input type="checkbox"/>	Article	(9,078) >
<input type="checkbox"/>	Diamond films	(7,999) >
<input type="checkbox"/>	Chemical vapor deposition	(7,526) >
<input type="checkbox"/>	Human	(4,772) >
<input type="checkbox"/>	Scanning electron microscopy	(4,518) >
<input type="checkbox"/>	Carbon	(4,432) >
<input type="checkbox"/>	Raman spectroscopy	(3,730) >
<input type="checkbox"/>	Diamond cutting tools	(3,595) >

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Результатов достаточно, но они не по теме

- Убедитесь, что символы-заменители не ведут к появлению ненужных слов, например, замените **car*** на **(car OR cars)**, чтобы убрать из поиска слова **careful, cara** и др.
- Если вы ищете устойчивые словосочетания, они должны быть заключены в кавычки или фигурные скобки
- Исключите неподходящие значения, например: **jaguar NOT car**, если вы ищете животное
- Ограничьте поиск только названием и ключевыми словами
- Ограничьте область знания

Subject Area	
<input type="radio"/> Physics and Astronomy	(40,947)
<input type="radio"/> Materials Science	(36,236)
<input type="radio"/> Engineering	(31,321)
<input type="radio"/> Chemistry	(11,636)
<input type="radio"/> Earth and Planetary Sciences	(7,547)
<input type="radio"/> Medicine	(5,342)
<input type="radio"/> Chemical Engineering	(4,672)
<input type="radio"/> Computer Science	(3,685)
<input type="radio"/> Biochemistry, Genetics and Molecular Biology	(3,266)
<input type="radio"/> Environmental Science	(3,006)

Как убедиться в качестве проведенного поиска?

- Видна ли в результатах вашего поиска последовательность исследований, отражающая процесс приращения знаний в искомой научной области?
- Имеют ли различные варианты ваших поисков тенденцию к использованию в качестве ссылок одного и того же «ядра» статей и авторов?
- Указывают ли различные варианты ваших поисков на одного и того же исследователя (или группу ученых), ставшего пионером в искомой научной теме?
- Вы изучили все подходящие ссылки на научные источники и возможные синонимы искомого поискового запроса.
- Вы уверены в актуальности найденной информации.

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- 2014 (28)
- 2013 (58)
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- 2010 (22)
- 2009 (6)
- 2008 (9)
- 2007 (7)
- 2006 (11)
- 2005 (18)

Author Name

Subject Area

Document Type

Source Title

- Human Ecology (93)
- International Journal of Circumpolar Health (13)
- Arkhiv Patologii (6)
- Critical Care (5)
- Critical Care Medicine (5)

Keyword

Affiliation

Country

- Russian Federation (205)
- Norway (115)

The Eurasian heartland: A continent of diversity
1

Full Text View at Publisher

WHO guidelines for the programmatic management of drug-resistant tuberculosis: 2011 update
2

Full Text View at Publisher

Clinical and operational value of the extensively drug-resistant tuberculosis definition
3

Full Text View at Publisher

Infusion of methylene blue in human controlled study
4

View at Publisher

Violence Exposure, Posttraumatic Stress Disorder, and Delinquents
5

Full Text View at Publisher

Extravascular lung water determined by CT perfusion correlates with the severity of traumatic injury
6

Full Text View at Publisher

Molecular epidemiology and drug resistance of Mycobacterium tuberculosis isolates in the Archangel prison in Russia: Predominance of the W-Beijing clone family
7

Full Text View at Publisher

Probiotics restore bowel flora and improve liver function in alcohol-induced liver injury: a pilot study
8

Full Text View at Publisher

Two Sources of the Russian Patrilineal Y-Chromosome Haplogroup I1a1
9

Как меняется активность по годам?

Кто наиболее публикуемые авторы?

Какие журналы содержат публикации?

В каких странах и организациях ведутся исследования?

heva, N., Chariev, 2001 Proceedings of the National Academy of Sciences of the United States of America 256

Falzon, D., Jaramillo, E., Schönemann, H.J., (...), White, R.A., Zignol, M. 2011 European Respiratory Journal 152

Migliori, G.B., Besozzi, G., Girardi, E., (...), Hollo, V., Mariandyshev, A. 2007 European Respiratory Journal 135

O.V., 2001 Critical Care Medicine 87

-Stone, 2002 Journal of the American Academy of Child and Adolescent Psychiatry 41 (3), pp. 322-329 85 Cited by

Y., 2006 Critical Care Medicine 84
es, L.J.

Toungoussova, O.S., Mariandyshev, A., Biune, G., ...t, D.A. 2003 Clinical Infectious Diseases 80

ta, N.V., McClain, 2008 Alcohol 55

si, S., 2008 American Journal of Human 52



Запись/реферат в Scopus

Данные по цитируемости

Advanced Materials

Volume 13, Issue 1, 5 January 2001, Pages 11-22


Nanoengineering of particle surfaces

Caruso, F.  

Max Planck Inst. Colloids Interfaces, D-14424 Potsdam, Germany

Подробная информация о статье

Abstract

 View references (140)

The creation of core-shell particles is attracting a great deal of interest because of the diverse applicability of these colloidal particles. The state-of-the-art strategies for engineering particle surfaces are presented such as the layer-by-layer deposition process. Many of the approaches for constructing composite-colloidal entities are still in their infancy. The fabrication of nanostructured particles with designed interface structure-property relationships is likely to be paved. This will narrow the gap that exists between thin film fabrication on planar surfaces and colloidal particles.

Indexed keywords

Engineering controlled terms: Colloids; Composition; Deposition; Particle size analysis; Surface chemistry

Engineering uncontrolled terms: Core-shell particles; Photonic crystals

Engineering main heading: Nanostructured materials

Ссылки на вэб и патенты

ISSN: 09359648 CODEN: ADVME Source Type: Journal Original language: English

DOI: 10.1002/1521-4095(200101)13:1<11::AID-ADMA11>3.0.CO;2-N Document Type: Article

Publisher: Wiley-VCH Verlag Berlin GmbH, Weinheim, Germany


References (140)

First 80 references displayed ([View all references](#))

Пристатейная литература

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 Wilcox, D.L., Berg, M., Bernat, T., Kellerman, D., Cochran, J.K.

Cited by 1897 documents since 1990

A simple hydrogen peroxide biosensor based on a novel electro-magnetic poly(p-phenylenediam... nanocomposite

Baghayeri, M., Nazarzadeh Zare, E., Mansour Lakouraj, M. (2014) Biosensors and Bioelectronics

Colloidal construction of porous polysaccharide-suppo... cadmium sulphide

White, R.J., Budarin, V.L., Clark, J.H. (2014) Colloids and Surfaces A: Physicochemical and Engineering Aspects

Nanocomposite hydrogels for biomedical applications

Gaharwar, A.K., Peppas, N.A., Khademhosseini, A. (2014) Biotechnology and Bioengineering

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Magnetic nanocomposite particles and hollow spheres constructed by a sequential layering approach

Caruso, F., Spasova, M., Susha, A. (2001) Chemistry of Materials

Core-shell particles and hollow shells containing metallo-supramolecul... components

Caruso, F., Schüler, C., Kurth, D.G. (1999) Chemistry of Materials

Generation of Complex Colloids by Polyelectrolyte-Assi... Electrostatic Self-Assembly

Caruso, F. (2004) Australian Journal of Chemistry

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Nature Methods
 Volume 10, Issue 6, April 2013, Pages 563-569

Nonhybrid, finished microbial genome assemblies from long-read SMRT sequencing data (Article)

Chin, C.-S.^a, Alexander, D.H.^a, Marks, P.^a, Klammer, A.A.^a, Drake, J.^a, Heiner, C.^a, Cium, A.^b, Copeland, A.^b, Huddleston, J.^c, Eichler, E.E.^c, Turner, S.W.^a, Kortach, J.^a

^a Pacific Biosciences, Menlo Park, CA, United States
^b Joint Genome Institute, Walnut Creek, CA, United States
^c Department of Genome Sciences, University of Washington, Seattle, WA, United States
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Abstract View references (44)

We present a hierarchical genome-assembly process (HGAP) for high-quality de novo microbial genome assemblies using only a single, long-insert shotgun DNA library in conjunction with Single Molecule, Real-Time (SMRT) DNA sequencing. Our method uses the longest reads as seeds to recruit all other reads for construction of highly accurate preassembled reads through a directed acyclic graph-based consensus procedure, which we follow with assembly using off-the-shelf long-read assemblers. In contrast to hybrid approaches, HGAP does not require highly accurate raw reads for error correction. We demonstrate efficient genome assembly for several microorganisms using as few as three SMRT Cell zero-mode waveguide arrays of sequencing and for BACs using just one SMRT Cell. Long repeat regions can be successfully resolved with this workflow. We also describe a consensus algorithm that incorporates SMRT sequencing primary quality values to produce de novo genome sequence exceeding 99.999% accuracy. © 2013 Nature America, Inc. All rights reserved.

Indexed keywords

EMTREE medical terms: algorithm; article; bacterial cell; bacterial genome; consensus; DNA library; DNA sequence; Escherichia coli; microbial genetics; microorganism; nonhuman; Pedobacter heparinus; priority journal; bacterial artificial chromosome; bacterial genome; DNA sequence; gene library; genetics; human; methodology; nucleotide repeat

MeSH: Chromosomes, Artificial; Bacterial; Escherichia coli; Gene Library; Genome, Bacterial; Humans; Repetitive Sequences, Nucleic Acid; Sequence Analysis, DNA
Medline is the source for the MeSH terms of this document.

ISSN: 15487091 Source Type: Journal Original language: English
 DOI: 10.1038/nmeth.2474 PubMed ID: 23644548 Document Type: Article

References (44) View in search results format

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- Medini, D., Serruto, D., Parkhill, J., Reiman, D.A., Donati, C., Moxon, R., Falkow, S., (...), Rappuoli, R.

Microbiology in the post-genomic era
 (2008) *Nature Reviews Microbiology*, 6 (6), pp. 419-430. Cited 170 times.
 doi: 10.1038/nrmicro1901
[View at Publisher](#)

- Parkhill, J., Wren, B.W.
- Bacterial epidemiology and biology - lessons from genome sequencing

Cited by 111 documents

Complete genome sequence of the petroleum-emulsifying bacterium *Pseudomonas stutzeri* SLG510A3-8
 Hu, B., Nie, Y., Geng, S.
 (2015) *Journal of Biotechnology*

Complete genome sequence of *Burkholderia pyrrocinia* 2327^T, the first industrial bacterium which produced antifungal antibiotic pyrrocinin
 Kwak, Y., Sha, J.-H.
 (2015) *Journal of Biotechnology*

Complete genome sequence of *Lactobacillus salivarius* Ren, a probiotic strain with anti-tumor activity
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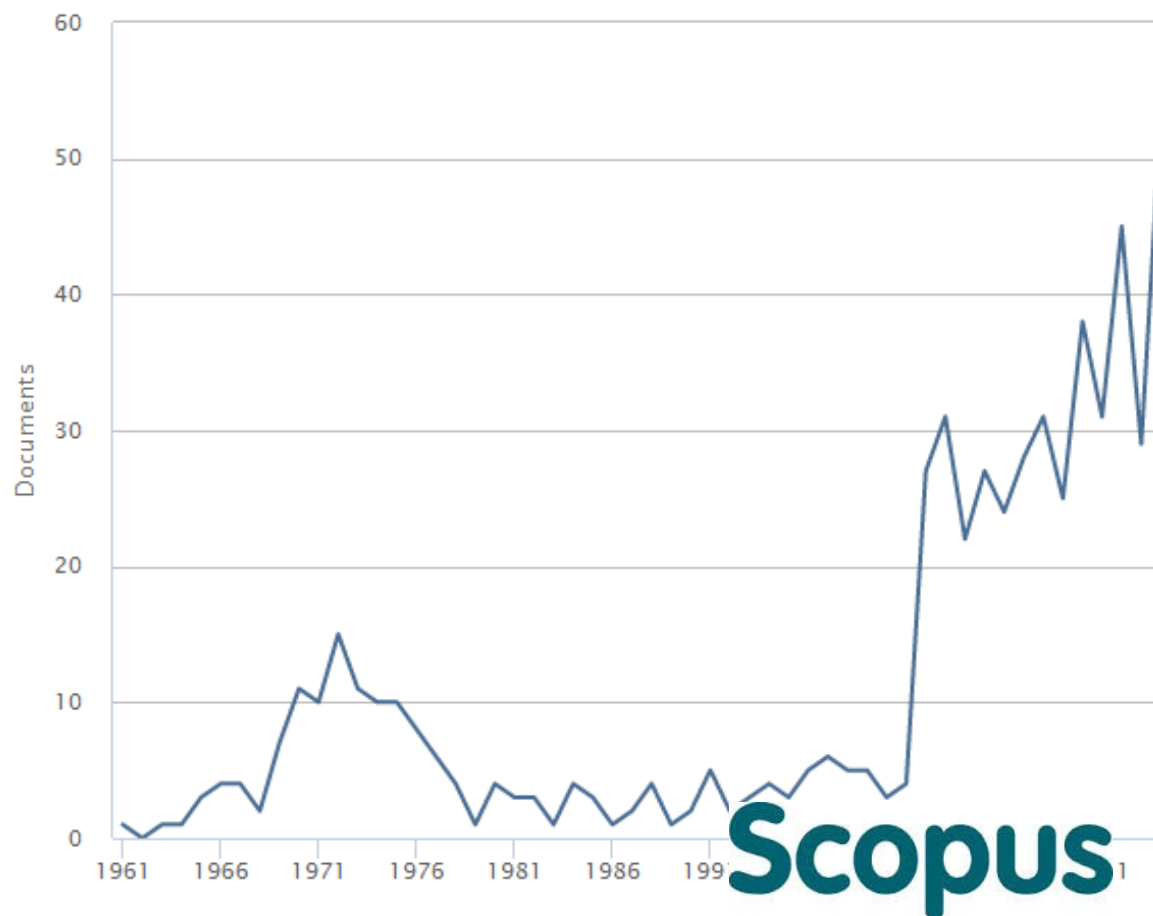
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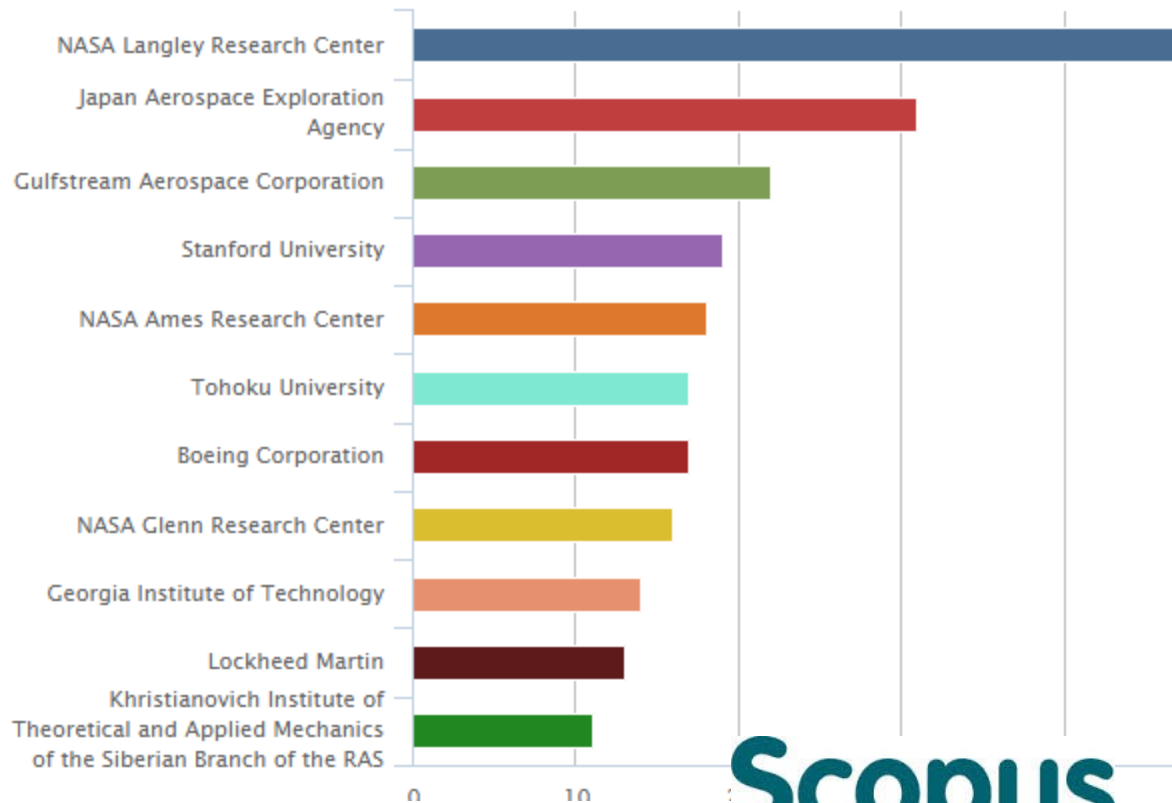
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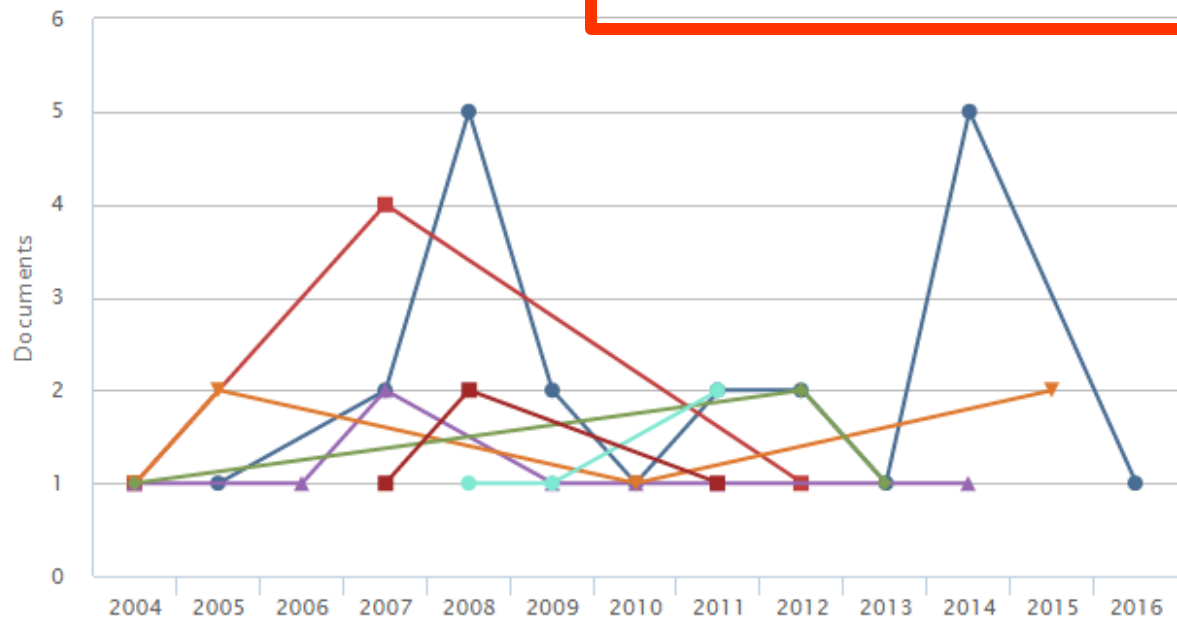
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- ▲ AIAA Journal
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- ▲ Aerospace Science and Technology
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Source-Normalized Impact per Paper – SNIP

• Разработчик: Henk Moed, CWTS



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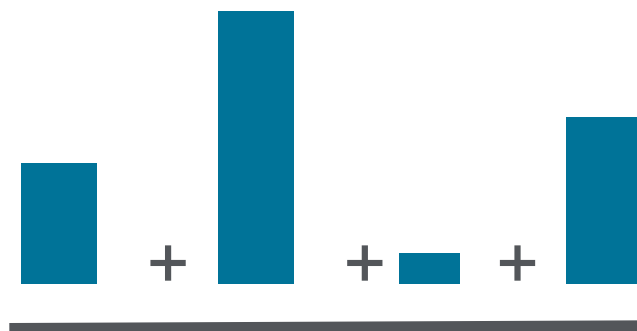


- **Метрика престижа (Prestige metrics)**

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Цитирование
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Пример сравнения математического и биологического журналов

Journal	RIP	Cit. Pot.	SNIP (RIP/Cit. Pot.)
Inventiones Mathematicae	1.5	0.4	3.8
Molecular Cell	13.0	3.2	4.0

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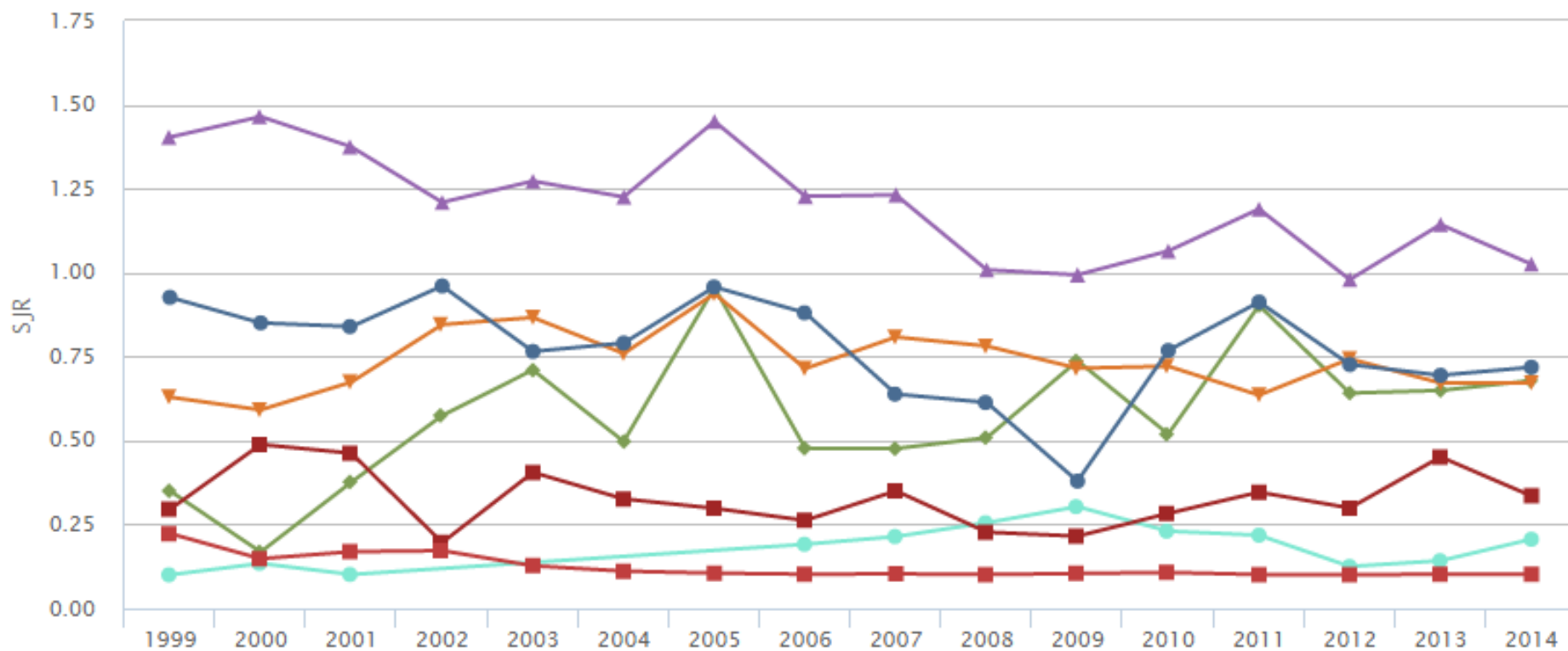
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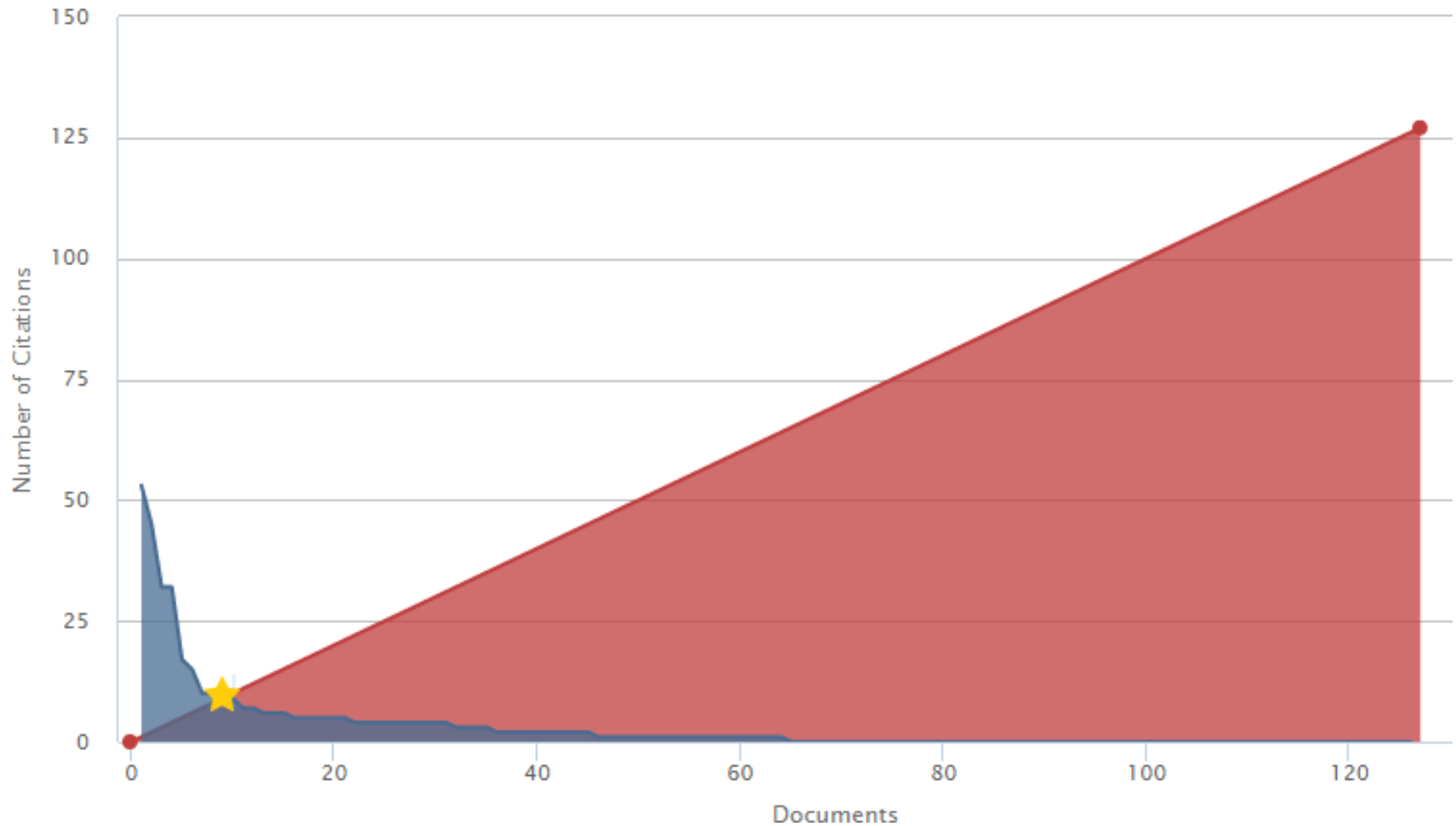
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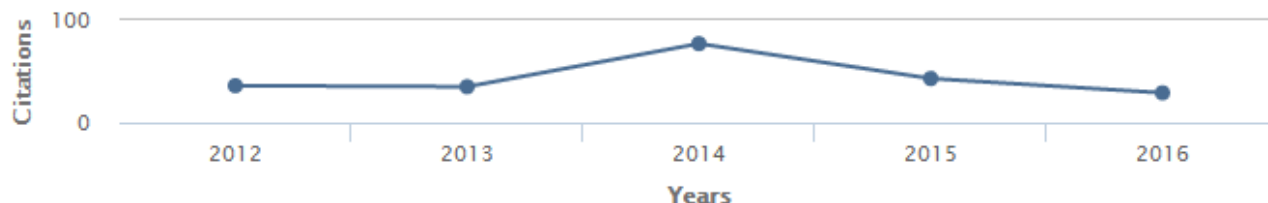


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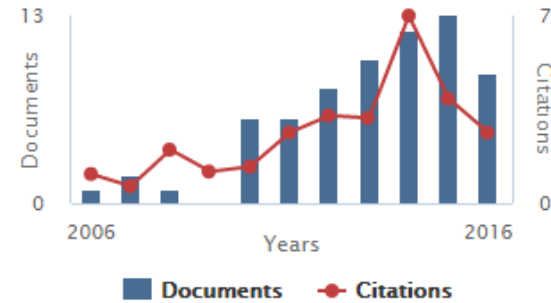
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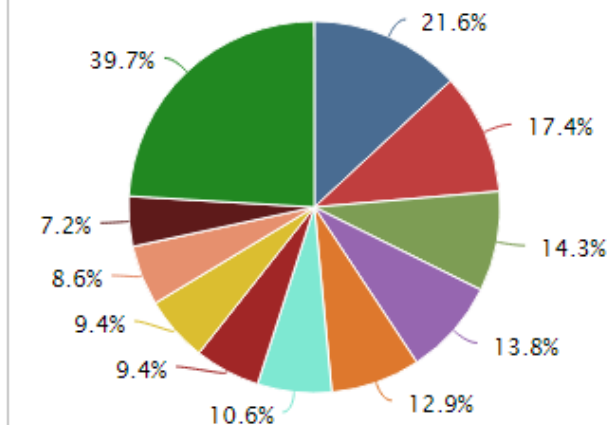
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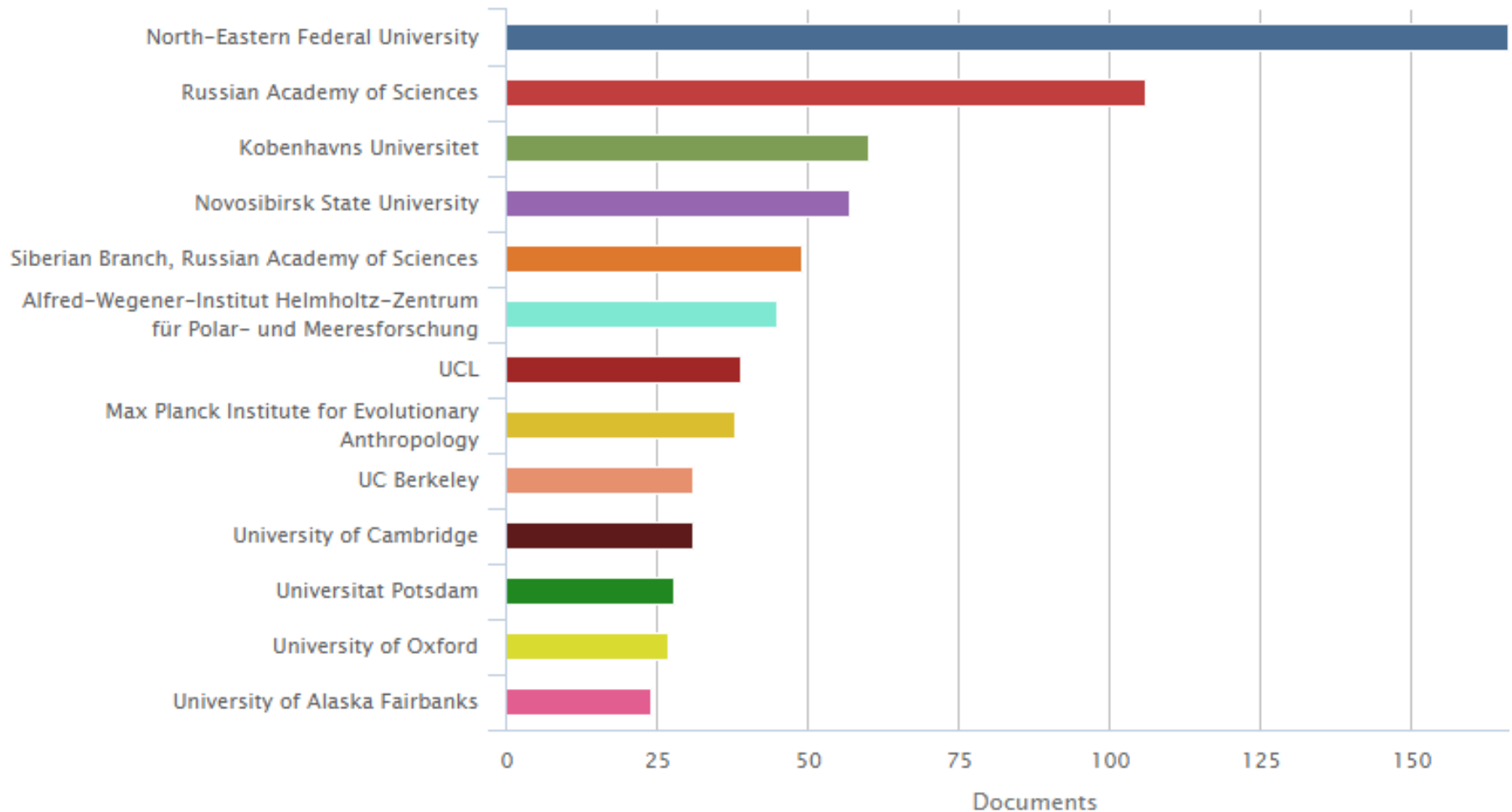
The screenshot shows the Scopus interface for a search of "North-Eastern Federal University" (AF-ID: 60013628). The search results page displays 753 document results. Two callouts highlight specific features: "Обзор цитируемости" (Citation overview) points to the "View citation overview" button, and "Кто ссылается на ВАШИ СТАТЬИ" (Who cites your articles) points to the "View Cited by" button. The search results are filtered by year (2008-2017) and author name (Ivanova, Borodin, Okhlopko, Vabishchevich, Smagulova, Antonova). The results list includes titles, authors, years, journals, and citation counts.

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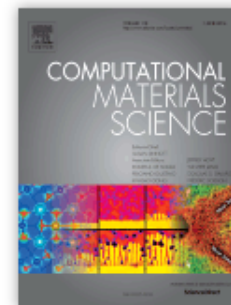
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