

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



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база научных публикаций и
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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



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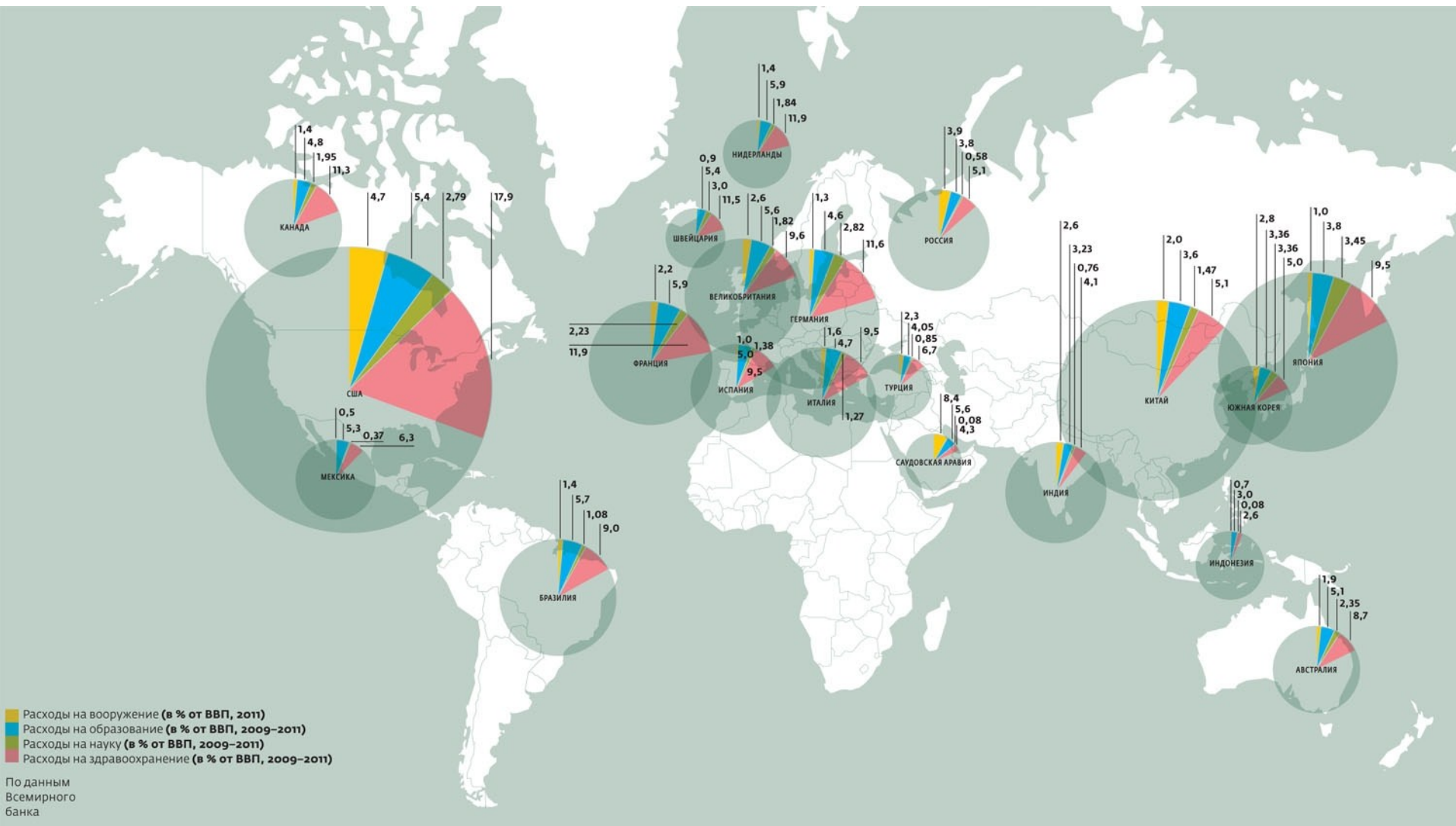
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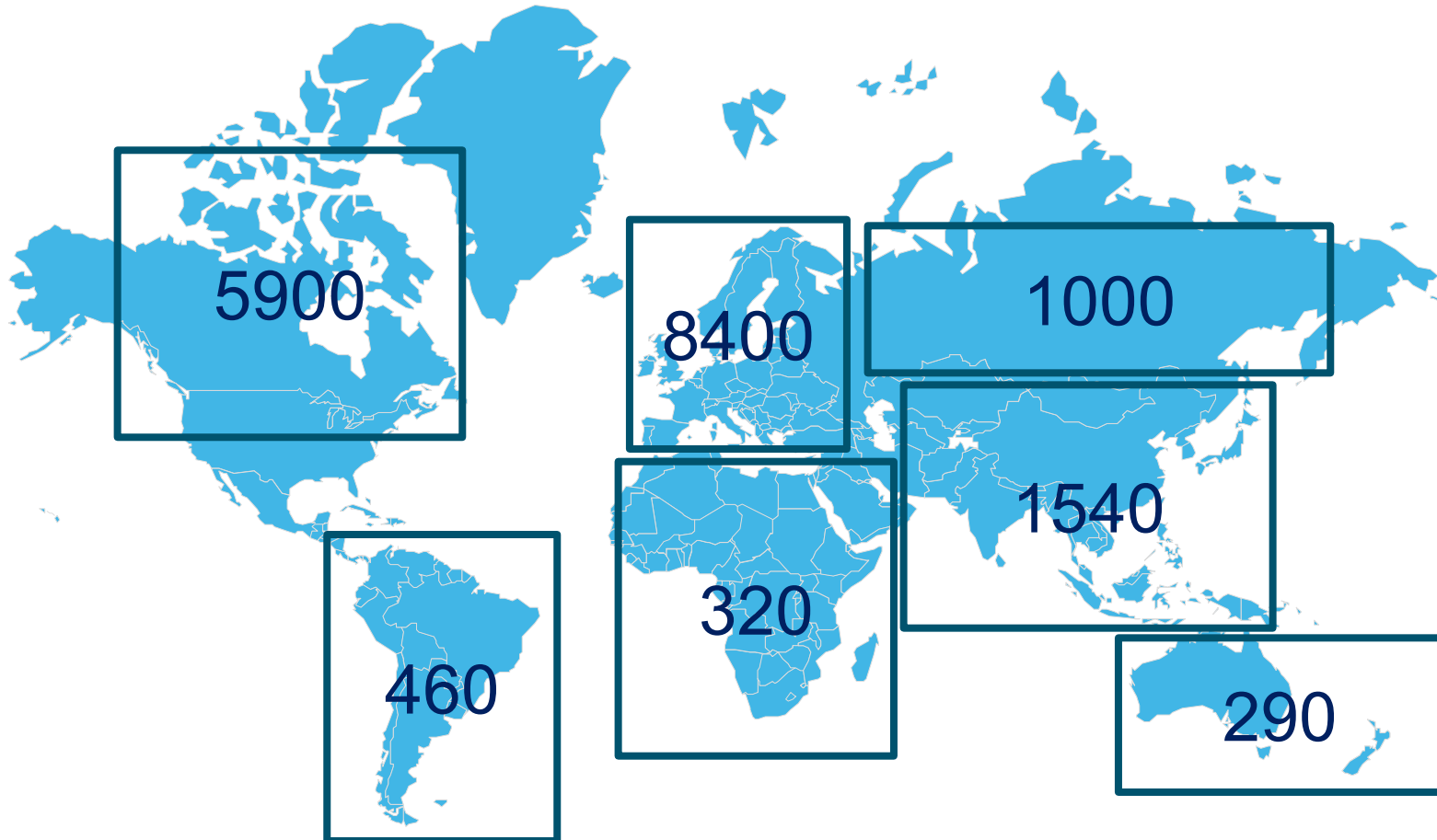
- Реферативная база данных: ресурс, который не содержит полных текстов, но предоставляет ссылки на них
- Для статей имеются библиографические описания, аннотации и списки цитируемой литературы
- Функциональность позволяет искать все статьи, ссылающиеся на данную статью
- Доступна сортировка по количеству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

Новые участники научной гонки



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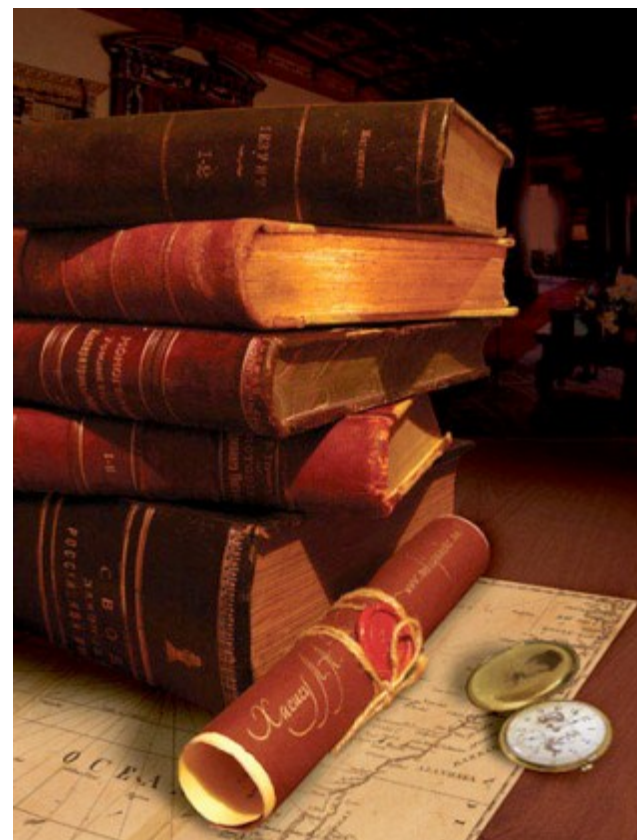
Кол-во изданий по географическим областям



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)**



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- 15 тематических комиссий
- Прозрачные принципы принятия и минимальные требования

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Abstract

Keywords

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- 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
- “\$” – поиск по всей базе данных
- 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.

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

Пreview 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

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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 Pharmaceuticals (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 | International Journal of Cardiology | 0

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Volume 65, Issue 4, November 2012, Pages 526-562

[Данные по цитируемости](#)

Roving Bandits in Action: Outside Option and Governmental Predation in Autocracies (Article)

Libman, A.^a , Kozlov, V.^b , Schultz, A.^c  ^a Frankfurt School of Finance and Management and Russian Academy of Sciences, Sonnemannstrasse 9-11, 60314 Frankfurt am Main, Germany^b National Research University Higher School of Economics, 20 Myasnitskaya Ulitsa, Moscow, 101000, Russian Federation^c Frankfurt School of Finance and Management, Sonnemannstrasse 9-11, 60314 Frankfurt am Main, Germany [View additional affiliations](#)[Подробная информация об авторах](#)

Abstract

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The paper investigates the influence of outside options on the predatory behavior of autocrats. An outside option is referred to as the opportunity of an incumbent ruler to continue his career outside his current territory of control. The paper uses data on the effectiveness of tax collection and the repressiveness of tax jurisprudence for Russian regions in 2007-2009 and finds that regions ruled by governors with substantial outside options are characterized by more repressive behavior of tax authorities. However, surprisingly, the same tax authorities collect less additional revenues for the public budget. It conjectures that the presence of an outside option induces autocrats to behave like 'roving bandits': they use tax audits to establish control over regional companies, but exploit this control to extract private rents rather than revenues for the regional budget used for public goods provision. © 2012 Blackwell Publishing Ltd.

[Пристатейная литература](#)[Активность в социальных сетях](#)[Cited by 13 documents](#)

Economic, structural and socio-psychological determinants of protests in Russia during 2011-2012: Empirical analysis on a regional level

Hagemann, H. , Kufenko, V.
(2016) Economics of Transition

Causes and consequences of democratization: The regions of Russia

Obydenkova, A.V. , Libman, A.
(2015) Causes and Consequences of Democratization: The Regions of Russia

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(2015) Political Studies Review

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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

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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: 15467091 Source Type: Journal Original language: English
DOI: 10.1038/nmeth.2474 PubMed ID: 23644548 Document Type: Article

References (44)

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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

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- 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 pyrrolnitrin

Kwak, Y., Shi, J.-H.
(2015) *Journal of Biotechnology*

Complete genome sequence of *Lactobacillus salivarius* Ren, a probiotic strain with anti-tumor activity

Sun, E., Ren, F., Liu, S.
(2015) *Journal of Biotechnology*

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(2013) *Genome Biology*

One chromosome, one contig: Complete microbial genomes from long-read sequencing and assembly

Koren, S., Philippy, A.M.
(2015) *Current Opinion in Microbiology*

Whole genome complete resequencing of *Bacillus subtilis* natto by combining long reads with high-quality short reads

Kamada, M., Hase, S., Sato, K.
(2014) *PLoS ONE*

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111	Citations	99TH PERCENTILE
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Модуль с Метриками статьи дает исследователю оперативную информацию о значимости статьи (на основе цитирования) и заинтересованности научного сообщества в статье.

Это помогает принять решение о необходимости обращения к полному тексту

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Metric details

Nonhybrid, finished microbial genome assemblies from long-read SMRT

Chin C.-S., Alexander D.H., Marks P., Klammer A.A., (...), Korlach J.
(2013) Nature Methods, 10(6), pp. 563-569

Overview

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Blogs, Reviews, W

Overview

Citation Count

111

Cited-by in Scopus



Field-Weighted Citation Impact

20.67



Citation Benchmarking

99th percentile



Compared to Biotechnology articles of the same age and document type

Mendeley



337 Readers

Mass Media



4 Items

Blogs



12 Posts

Pubpeer



1 Comment

Twitter



84 Tweets

4 Other sources

8 Mentions

Engagement highlights

Scholarly Activity - 349 readers from 2 sources

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Mendeley: 337 Readers
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CiteULike: 12 Copies

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Mentions characterized by rapid, brief engagement on platforms used by the general population, such as Twitter, Facebook and Google +.



84 tweets from 66 users



4 posts from 4 users



1 post from 1 user

Benchmark highlights

Based on 89 mentions from 3 sources

Compared to Biotechnology articles of same age and document type

Закладка «Обзор»:

- Цитирование и заинтересованность ученых
- Альтернативные метрики (Snowball Metrics)

Metric details

Nonhybrid, finished microbial genome assemblies from long-read SMRT

Chin C.-S., Alexander D.H., Marks P., Klammer A.A., (...), Korlach J.
(2013) Nature Methods, 10(6), pp. 563-569

Overview

Citations

Scholarly Activity

Mendeley, CiteULike, etc.

Scholarly C

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Scholarly Activity

349 readers from 2 sources

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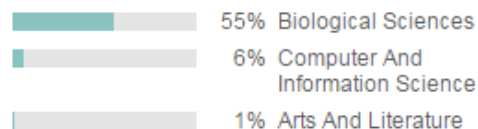


12

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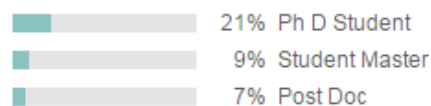
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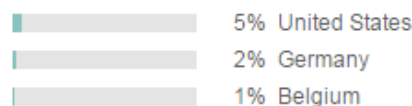
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- Дату и базу данных проведения поиска,
- Используемый поисковый запрос,
- Возможные фильтры, использованные для сужения результатов поиска.
- Количество (или перечень найденных) реферативных записей.



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☐ 22 (TITLE-ABS-KEY (anti*friction*) AND TITLE-ABS-KEY (carbon)) OR (TITLE-ABS-KEY ("flow improvers") AND TITLE-ABS-KEY (carbon))	27 Oct 2014	242
☐ 20 TITLE-ABS-KEY ("structur* graphite") OR TITLE-ABS-KEY ("construct* graphite") OR TITLE-ABS-KEY ("nanostruct* graphite")	14 Jul 2015	1,002
☐ 19 TITLE-ABS-KEY ("carbon-ceramic" composite material)	27 Oct 2014	380
☐ 18 (TITLE-ABS-KEY ({carbon-carbon} composite material) AND TITLE ({carbon-carbon}))	27 Oct 2014	611

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☐ 2010 (38)

☐ 2009 (25)

☐ 2008 (31)

☐ 2007 (28)

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☐ Makino, Y. (18)

☐ Plotkin, K.J. (12)

☐ Obayashi, S. (11)

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☐ 1 **Supersonic shear imaging: A new technique for soft tissue elasticity mapping** Bercoff, J., Tanter, M., Fink, M. 2004 IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control 840

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☐ 2 **Conical flow induced by quenched QCD jets** Casallerrey-Solana, J., Shuryak, E.V., Teaney, D. 2005 Journal of Physics: Conference Series 207

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☐ 3 **Atmospheric absorption in the atmosphere up to 160 km** Sutherland, L.C., Bass, H.E. 2004 Journal of the Acoustical Society of America 118

Full Text

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☐ 4 **Flow control using various plasma and aerodynamic approaches (short review)** Fomin, V.M., Tretyakov, P.K., Taran, J.-P. 2004 Aerospace Science and Technology 59

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Subject Area

☐ Energy (1)

☐ Engineering (1)

☐ Environmental Science (1)

☐ Materials Science (1)

Year

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☐ 2012 (6)

Shaping and inclusion of spike on a supersonic aircraft for controlling and reducing sonic boom
US PATENT APPLICATION, December 2012

Henne, Preston ; Howe, Donald ; Wolz, Robert ; Hancock, Jimmy (Gulfstream Aerospace Corporation)

Full text available at patent office. For more in-depth searching go to LexisNexis

FUSELAGE SHAPING AND INCLUSION OF SPIKE ON A SUPERSONIC AIRCRAFT FOR CONTROLLING AND REDUCING SONIC BOOM

EUROPEAN PATENT, September 2009

HENNE, Preston ; HOWE, Donald ; WOLZ, Robert ; HANCOCK, Jimmy (Gulfstream Aerospace Corporation)

Full text available at patent office. For more in-depth searching go to LexisNexis

PASSIVE AERODYNAMIC SONIC BOOM SUPPRESSION FOR SUPERSONIC AIRCRAFT

EUROPEAN PATENT APPLICATION, November 2002

HARTMANN, Tom ; MORGENSTERN, John, M. (Lockheed Martin Corporation)

Full text available at patent office. For more in-depth searching go to LexisNexis

SUPERSONIC AIRCRAFT WITH ACTIVE LIFT DISTRIBUTION CONTROL FOR REDUCING SONIC BOOM

PATENT COOPERATION TREATY APPLICATION, August 2006

ADAMSON, Eric E. ; NELSON, Chester P. (THE BOEING COMPANY)

Full text available at patent office. For more in-depth searching go to LexisNexis

SUPERSONIC AIRCRAFT WITH ACTIVE LIFT DISTRIBUTION CONTROL FOR REDUCING SONIC BOOM

EUROPEAN PATENT APPLICATION, October 2007

ADAMSON, Eric E. ; NELSON, Chester P. (The Boeing Company)

Full text available at patent office. For more in-depth searching go to LexisNexis

SYSTEMS AND METHODS FOR CONTROLLING A MAGNITUDE OF A SONIC BOOM

EUROPEAN PATENT APPLICATION, December 2015

FREUND, Donald (Gulfstream Aerospace Corporation)

Full text available at patent office. For more in-depth searching go to LexisNexis

Визуализация данных – динамика по годам

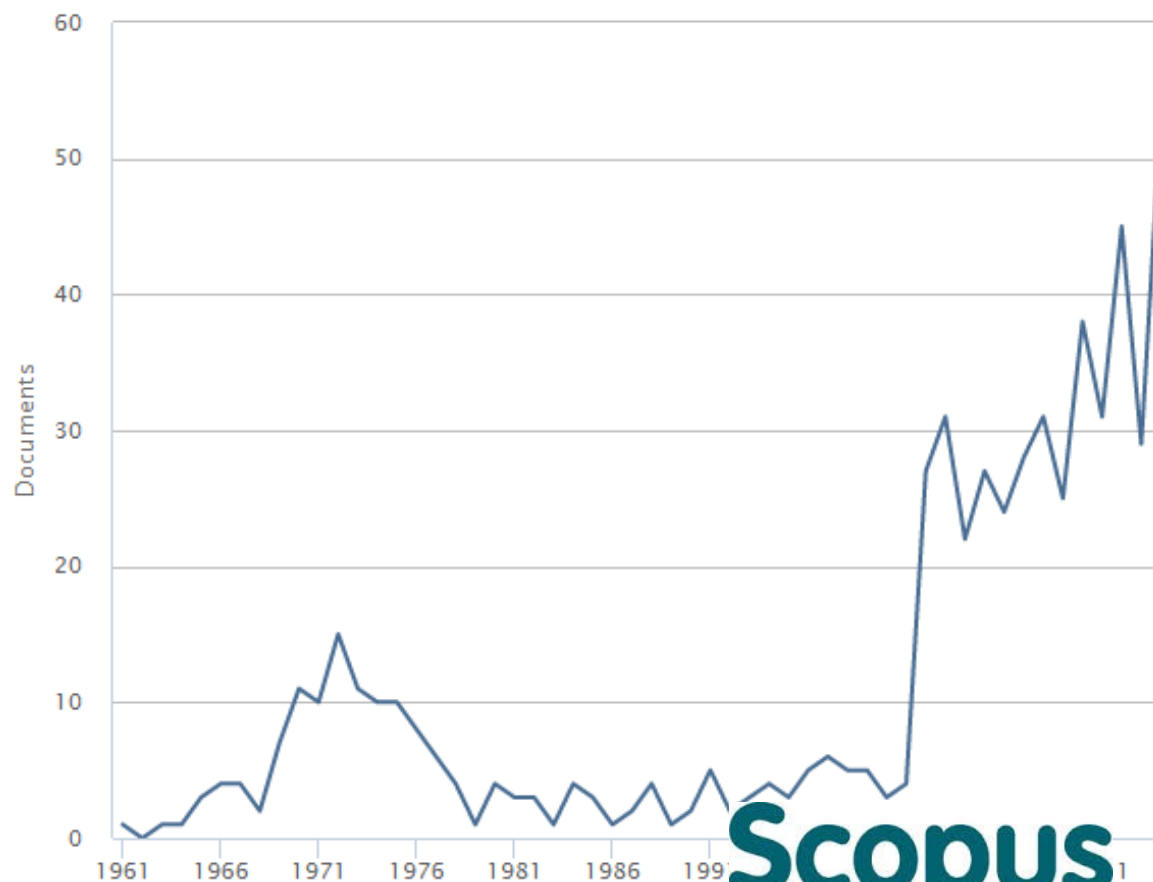
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2014	53
2013	29
2012	45
2011	31
2010	38
2009	25
2008	31
2007	28
2006	24
2005	27
2004	22
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2002	27
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Documents by year



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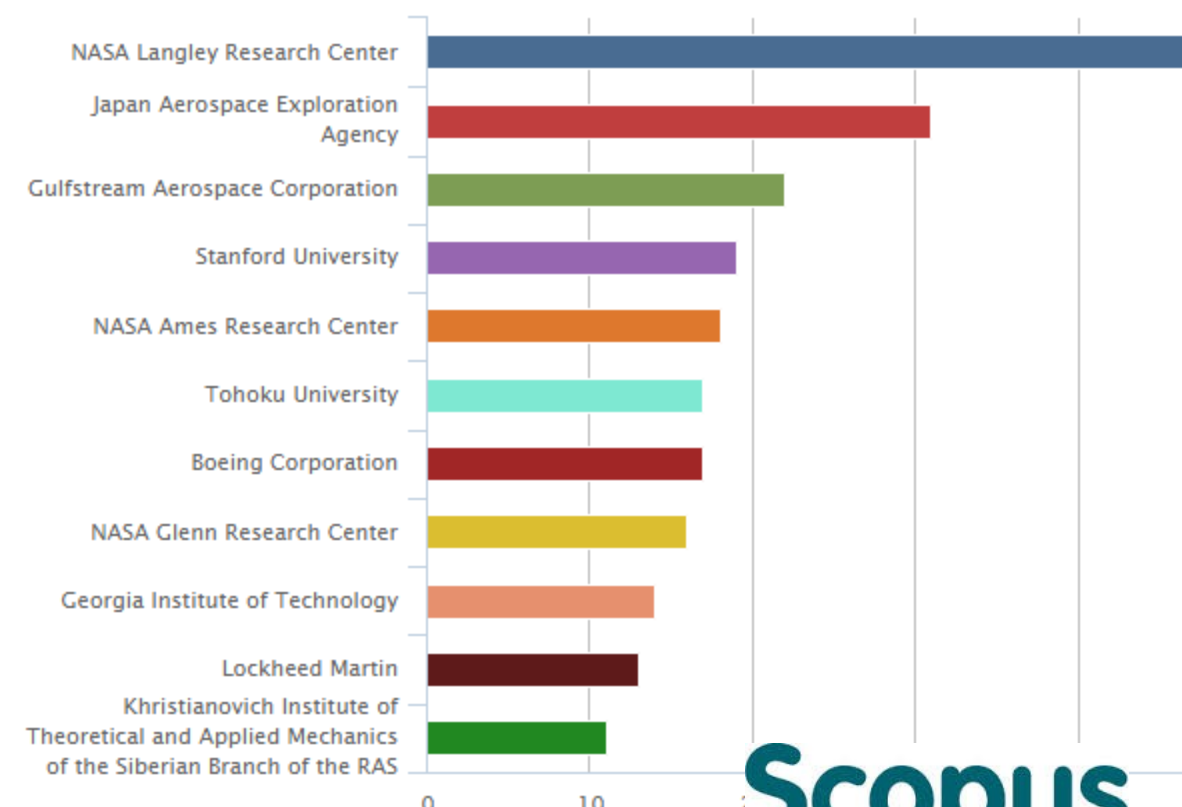
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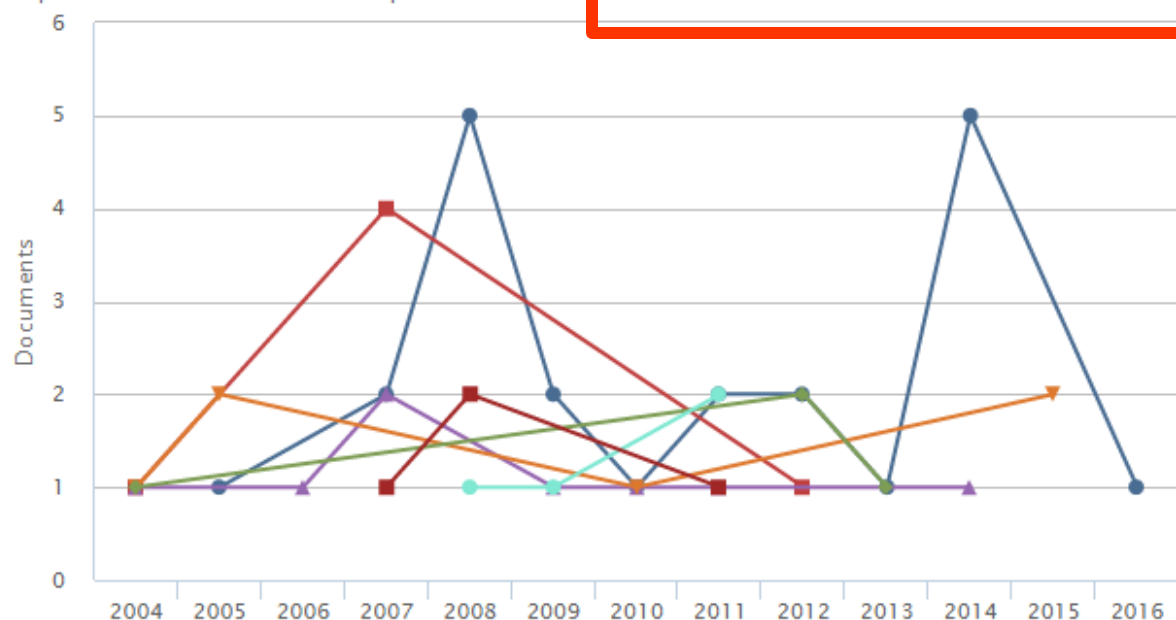
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Source	Docu
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☐ Aip Conference Proceedings	9
☒ AIAA Journal	8
☒ Journal of the Acoustical Societ...	6
☒ Collection of Technical Papers A...	6
☐ Hangkong Xuebao Acta Aeronau...	4
☒ Aerospace Science and Techno...	4
☒ Journal of Applied Mechanics a...	4
☒ Noise Control Engineering Jour...	4
☐ Journal of Propulsion and Power	3
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 ■ Collection of Technical Papers AIAA ASME ASCE AHS ASC Structures Structural Dynamics and Mate
 ▲ AIAA Journal ▲ Journal of the Acoustical Society of America
 ◆ Aerospace Science and Technology ◆ Journal of Applied Mechanics and Technical Physics

Рейтинги журналов SJR и SNIP

Source-Normalized Impact per Paper – SNIP

• Разработчик: Henk Moed, CWTS



- **Контекстуальный импакт цитирования (Contextual citation impact):**
 - выравнивает различия в вероятности цитирования
 - выравнивает различия в предметных областях

SCImago Journal Rank – SJR

• Разработчик: SCImago – Felix de Moya



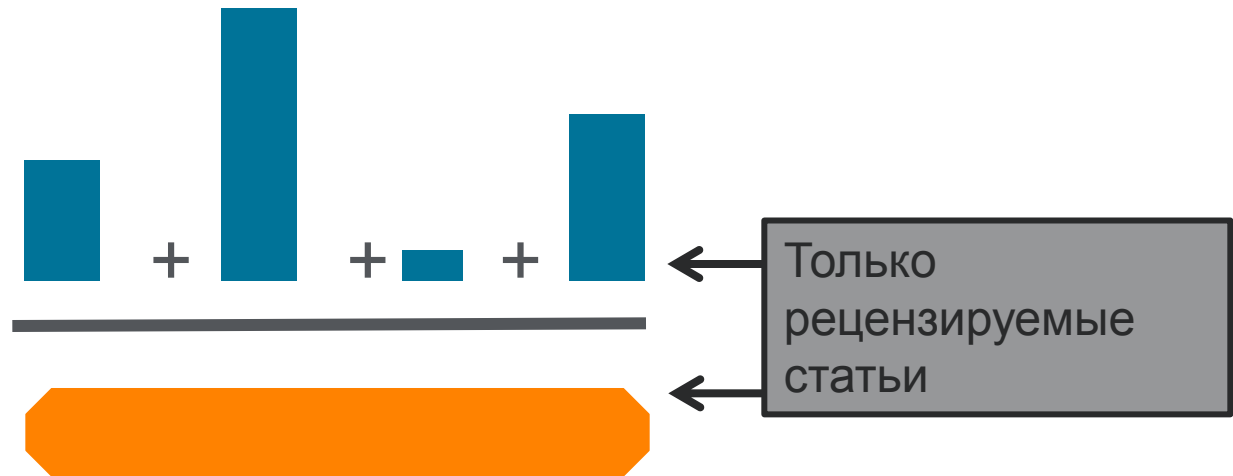
- **Метрика престижа (Prestige metrics)**

Цитирование имеет вес в зависимости от престижа научного источника

SNIP: Импакт фактор нормализованный по источнику (Source-normalized impact per paper)

Цитирование
журнала

Потенциал
цитирования в
конкретной области



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

Сравнительные характеристики SJR, SNIP, JIF

Аспект	SJR	SNIP	JIF
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Отношение к самоцитированию журнала	Не более 33% от общего числа	Не имеет значения	Не имеет значения
Нормализация по предметной области	Да	Да	Нет
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Тип документов, используемых в знаменателе	Только реферируемые: статьи, обзоры, труды конференций	Только реферируемые: статьи, обзоры, труды конференций	Статьи, обзоры, труды конференций
Статус цитируемого источника	Вес цитаты на основе престижа журнала	Не имеет значения	Не имеет значения
Источник данных	Scopus	Scopus	JCR (WoS)

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SJR

IPP

SNIP

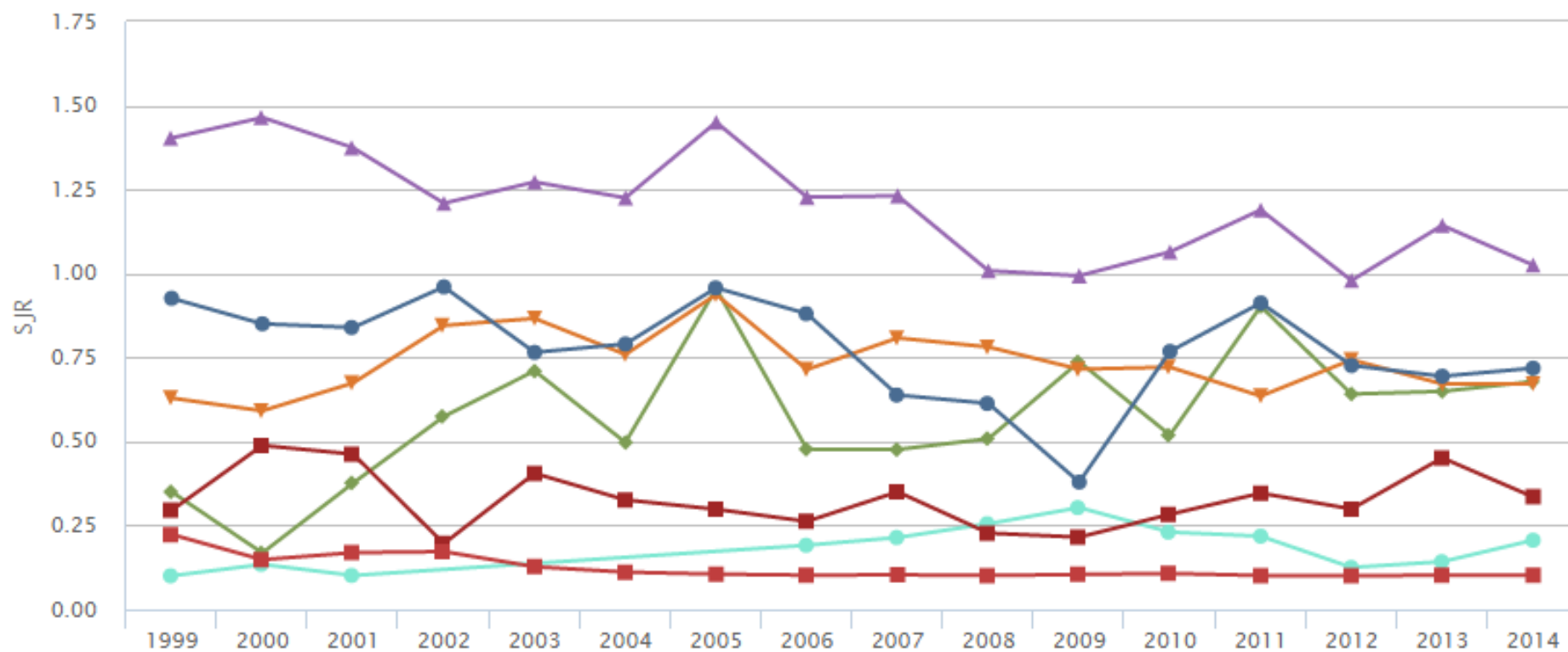
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- ☒ Journal of the Acoustical Society of America
- ☒ Journal of Applied Mechanics and Technical Physics
- ☒ Noise Control Engineering Journal
- ☒ AIAA Journal

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Author Name

☐ Menzel, E.R. (18)	☐ Ferrara, M. (5)	☐ Hermanowski, M.L. (4)	☐ Gafurov, D. (3)
☐ Lennard, C. (13)	☐ Jin, Y.J. (5)	☐ Li, G.P. (4)	☐ Tiwari, K. (3)
☐ Schuckers, S. (11)	☐ Tan, B. (5)	☐ Fischer, R. (4)	☐ Wilshire, B. (3)
☐ Maltoni, D. (8)	☐ Stojilovic, M. (5)	☐ Sodhi, G.S. (3)	☐ Yan, L. (3)
☐ Roux, C. (8)	☐ Yang, B. (4)	☐ Hassebrook, L.G. (3)	☐ Li, Q. (3)
☐ Schwarz, L. (7)	☐ Busch, C. (4)	☐ Jones, N. (3)	☐ Alaoui, I.M. (3)
☐ Vielhauer, C. (6)	☐ Dittmann, J. (4)	☐ Lau, D.L. (3)	☐ Connan, J. (3)
☐ Huang, W. (6)	☐ F. (3)		
☐ Luo, Y.J. (6)	☐ H. (3)		
☐ Abhyankar, A. (5)			

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Affiliation: Beijing Institute of Technology, State Key Laboratory of Explosion Science and Technology, Beijing, China

6 documents published by Luo, Y.J. matches your query

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Effect of solvent to fingerprint detection by photoluminescent CdSe/PAMAM nanocomposites

Jin, Y.J. Luo, Y.J. Wang, Y.F. Hui, S. Zhang, H.N. Jin, D.
(2013) Advanced Materials Research

Effects of metallic ions on photoluminescence properties of CdSe/PAMAM nanocomposites and their application in fingerprint detection

Jin, Y.J. Luo, Y.J. Xu, G.Z. Yang, B.
(2011) Advanced Materials Research

Application of photoluminescent PAMAM dendrimer in fingerprint detection

Jin, Y.-J. Luo, Y.-J. Li, G.-P. Li, J.

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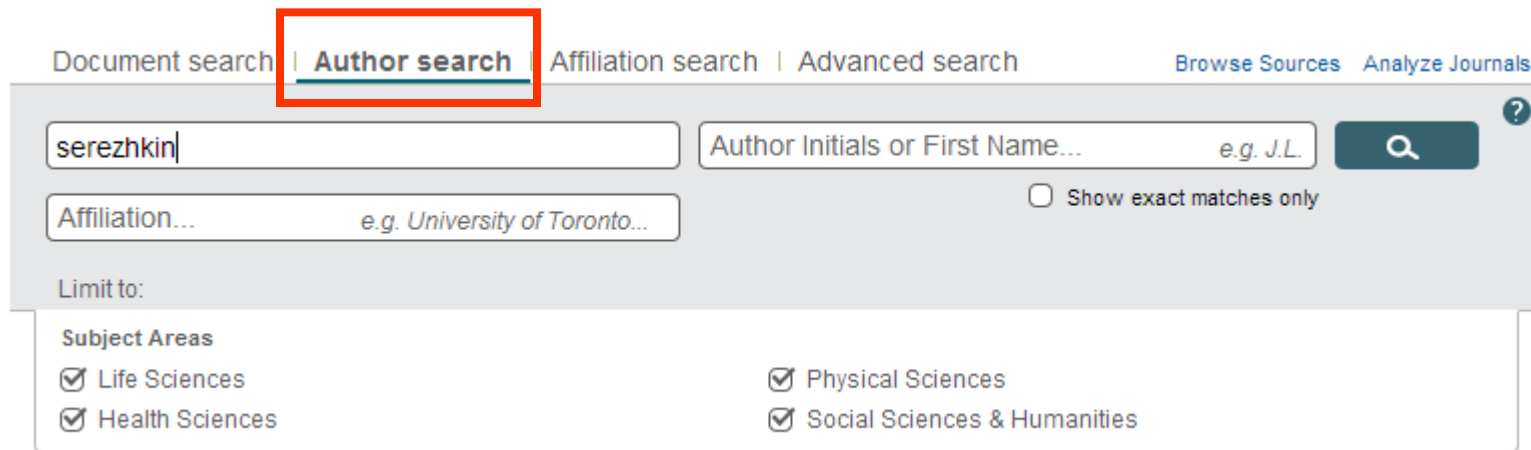
Xie, H.-H., Wen, Q., H.
Yu, X.-F., Wang, Q.-Q.

Nakamura, A., Okuda,
T., (...), Torao, A., Sota

Hauser, F.M., Knupp,

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Профиль автора

Makino, Yoshikazu

Japan Aerospace Exploration Agency, Chofu,
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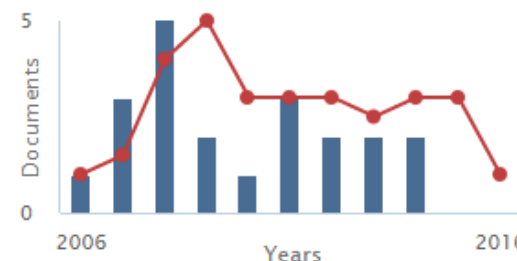
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Author History

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References: 335

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27th Congress of the International Council of the Aeronautical Sciences 2010, ICAS 2010 View document

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2014 29th Congress of the
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Sciences, ICAS 2014

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Публикации

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Yuhara, T., Rinoie, K.,
Makino, Y.

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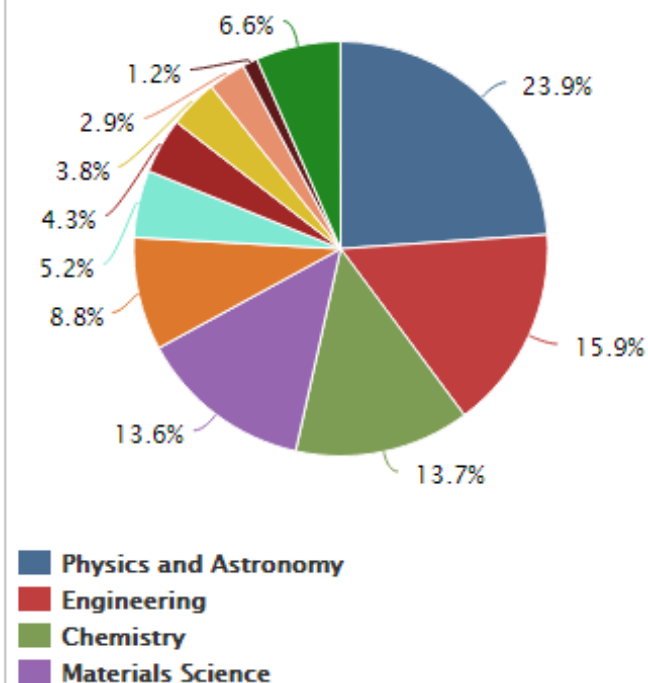
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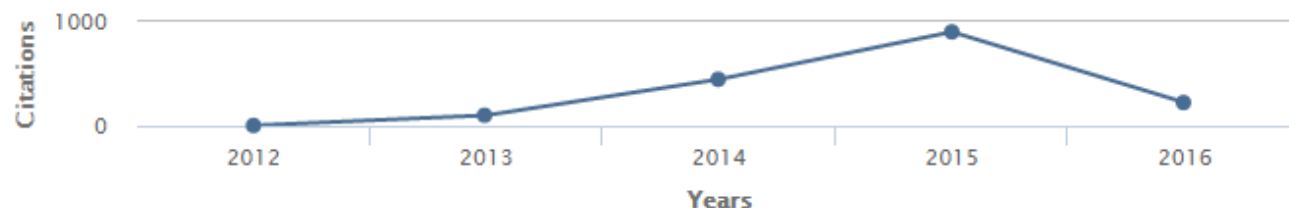
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