

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
реферативная и аналитическая
база научных публикаций и
цитирований

22 245 академических журналов
от **5 000** различных издательств

58.3 миллионов рефератов

Более **120** тысяч книг (в рамках программы расширения книжного контента)

Более **100** стран мира

5,5 млн. материалов научных конференций

390 отраслевых изданий

25,2 миллиона патентных записей



Естественно-
технические науки
6600

Медицина
6300

Биология и
смежные науки
4050

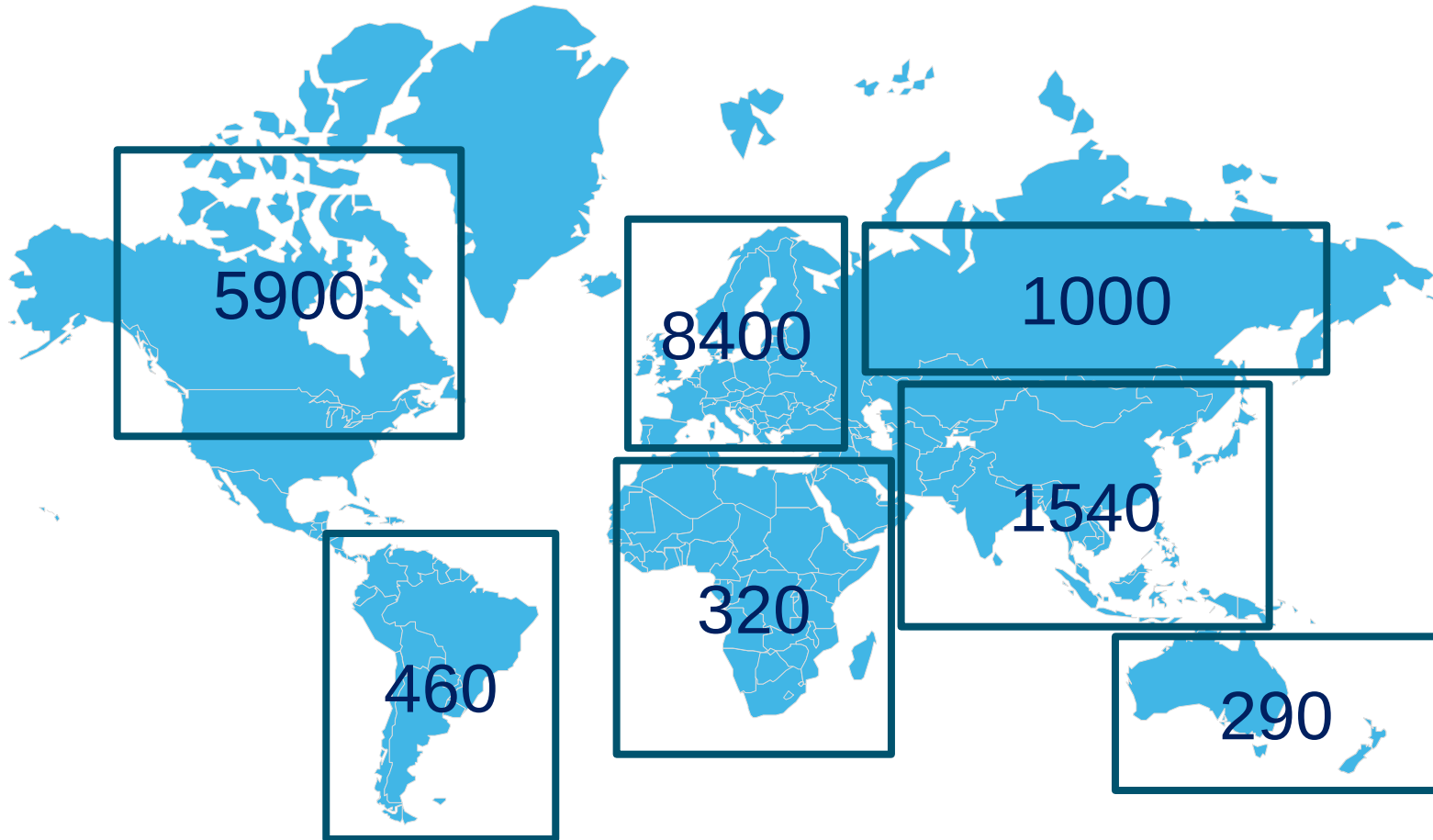
Гуманитарные
науки
6350

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

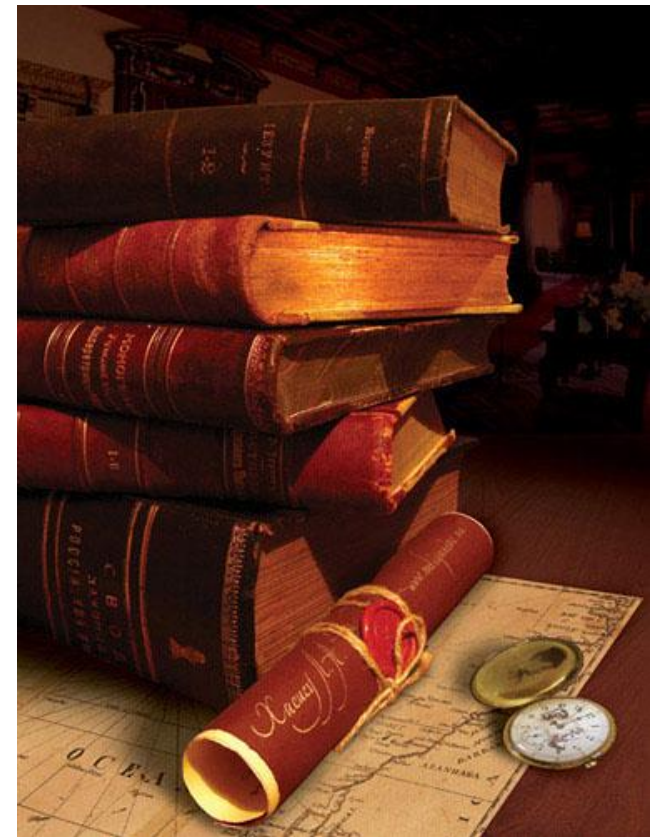
Кол-во изданий по географическим областям



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)**



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☒ Published to ☐ Added to Scopus in the last days

Subject Areas

☒ Life Sciences (> 4,300 titles.)☒ Health Sciences (> 6,800 titles. 100% Medline coverage)

All Fields

Article Title, Abstract, Keywords

Authors

First Author

Source Title

Article Title

Abstract

Keywords

Affiliation

Affiliation Name

Affiliation City

Affiliation Country

Language

ISSN

CODEN

DOI

References

Conference

Article Title, Abstract, Keywords, Authors

Chemical Name

CAS Number



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Логические операторы

- OR
- AND
- AND NOT

Wild cards

\$ - один символ

* - 0 и более символов

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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

Search within results...

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 Pharmaceuticals (2,398)
☐ Biochemistry, Genetics and Molecular Biology (2,026)

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Show all abstracts

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

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Refine

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Year

- ☐ 2014 (28)
- ☐ 2013 (58)
- ☐ 2012 (64)
- ☐ 2011 (11)
- ☐ 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)

☐ CSV export ☐ Download☐ The Eurasian heartland: A continent
1 diversity[Full Text](#)[View at Publisher](#)☐ WHO guidelines for the programmatic management of drug-resistant
2 tuberculosis: 2011 update[Full Text](#)[View at Publisher](#)☐ Clinical and operational value of the extensively drug-resistant
3 tuberculosis definition[Full Text](#)[View at Publisher](#)☐ Infusion of methylene blue in human
4 controlled study[View at Publisher](#)☐ Violence Exposure, Posttraumatic Stress
5 Delinquents[Full Text](#)[View at Publisher](#)☐ Extravascular lung water determined
6 thermodilution correlates with the severity
injury[Full Text](#)[View at Publisher](#)☐ Molecular epidemiology and drug resistance of Mycobacterium
7 tuberculosis isolates in the Archangel prison in Russia: Predominance of
the W-Beijing clone family[Full Text](#)[View at Publisher](#)☐ Probiotics restore bowel flora and in
8 alcohol-induced liver injury: a pilot study[Full Text](#)[View at Publisher](#)☐ Two Sources of the Russian Patrilineal

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.,
Schünemann, 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., Bjune, G.,
t, D.A.
2003 Clinical Infectious Diseases 80

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

si, S.,
2008 American Journal of Human 52

Современные библиометрические индексы – как и зачем их использовать

Цитирование – это факт бытия науки и объект науковедческого исследования, надежность которого определяется самой традицией науки как социального института [И. В. Маршакова-Шайкевич, ЭЭиФН, 2009]

Мера цитирования применяется к

- Статье (общее число цитирований)
- Автору (общее или среднее число цитирований, h-индекс)
- Журналу (число цитирований статей журнала, деленное на число статей журнала)

Первая работа по анализу цитирования опубликована в 1927 г. и была посвящена изучению ссылок в Journal of ACS

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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.^a, 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)

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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 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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Related documents

Reducing assembly complexity of microbial genomes with single-molecule sequencing

Koren, S., Hartney, G.P., Smith, T.P.L.
(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*

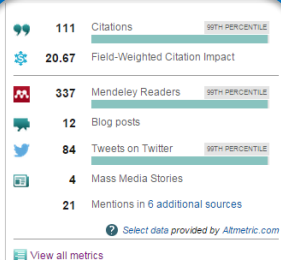
Whole genome complete resequencing of *Bacillus subtilis* natto by combining long reads with high-quality short reads

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

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Authors Keywords



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

Metrics



111

Citations

99TH PERCENTILE



20.67

Field-Weighted Citation Impact



337

Mendeley Readers

99TH PERCENTILE



12

Blog posts



84

Tweets on Twitter

99TH PERCENTILE



4

Mass Media Stories

21

Mentions in 6 additional sources



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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

Citations

Scholarly Activity
Mendeley, CiteULike, etc.

Scholarly Co
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

Downloads and posts in common research tools



Mendeley: 337 Readers
Top Discipline: Biological Sciences
Top Demographic: Ph D Student
[Save to Mendeley](#)



CiteULike: 12 Copies

Social Activity - 89 mentions from 3 sources

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)

Визуализация данных

Search

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(TITLE-ABS-KEY ("fingerprint scanner") OR TITLE-ABS-KEY ("fingerprint detection") OR TITLE-ABS-KEY ("fingerprint device") OR TITLE-ABS-KEY ("fingerprint recognition") OR TITLE-ABS-KEY ("fingerprint system") OR TITLE-ABS-KEY ("fingerprint verification")) [Edit](#) [Save](#) [Set alert](#) [Set feed](#)

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Year

- ☐ 2016 (1)
- ☐ 2015 (91)
- ☐ 2014 (179)
- ☐ 2013 (161)
- ☐ 2012 (212)
- ☐ 2011 (213)
- ☐ 2010 (234)
- ☐ 2009 (196)
- ☐ 2008 (176)
- ☐ 2007 (156)

Author Name

- ☐ Jain, A.K. (30)
- ☐ Moon, D. (29)
- ☐ Chung, Y. (29)
- ☐ Maltoni, D. (28)
- ☐ Busch, C. (27)

- ☐ Fingerprint image enhancement: Algorithm and performance evaluation 1 Hong, L., Wan, Y., Jain, A. 1998 IEEE Transactions on Pattern Analysis and Machine Intelligence 1109

[Full Text](#)[View at Publisher](#)

- ☐ On-line fingerprint verification 2 Jain, A., Hong, L., Bolle, R. 1997 IEEE Transactions on Pattern Analysis and Machine Intelligence 868

[Full Text](#)[View at Publisher](#)

- ☐ Systematic methods for the computation of the directional fields and singular points of fingerprints 3 Bazen, A.M., Gerez, S.H. 2002 IEEE Transactions on Pattern Analysis and Machine Intelligence 382

[Full Text](#)[View at Publisher](#)

- ☐ Symmetric phase-only matched filtering of Fourier-Mellin transforms for image registration and recognition 4 Chen, Qin-sheng, Defrise, Michel, Deconinck, F. 1994 IEEE Transactions on Pattern Analysis and Machine Intelligence 377

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- ☐ Integrating faces and fingerprints for personal identification 5 Hong, L., Jain, A. 1998 IEEE Transactions on Pattern Analysis and Machine Intelligence 308

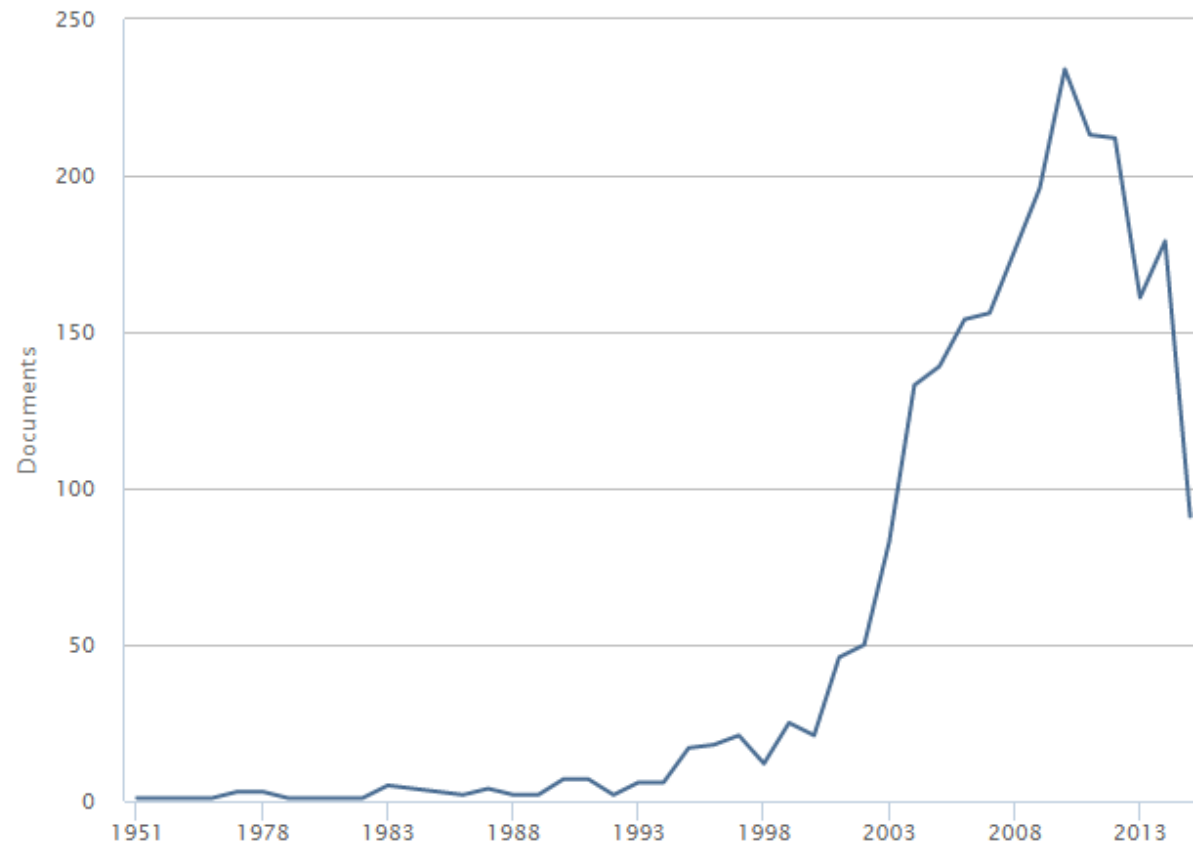
Визуализация данных – динамика по годам

2401 document results Choose date range to analyze: 1951 to 2015 Analyze

Year	Source	Author	Affiliation	Country/Territory	Document type	Subject area
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Year ▼	Documents
2015	91
2014	179
2013	161
2012	212
2011	213
2010	234
2009	196
2008	176
2007	156
2006	154
2005	139
2004	133
2003	83
2002	50

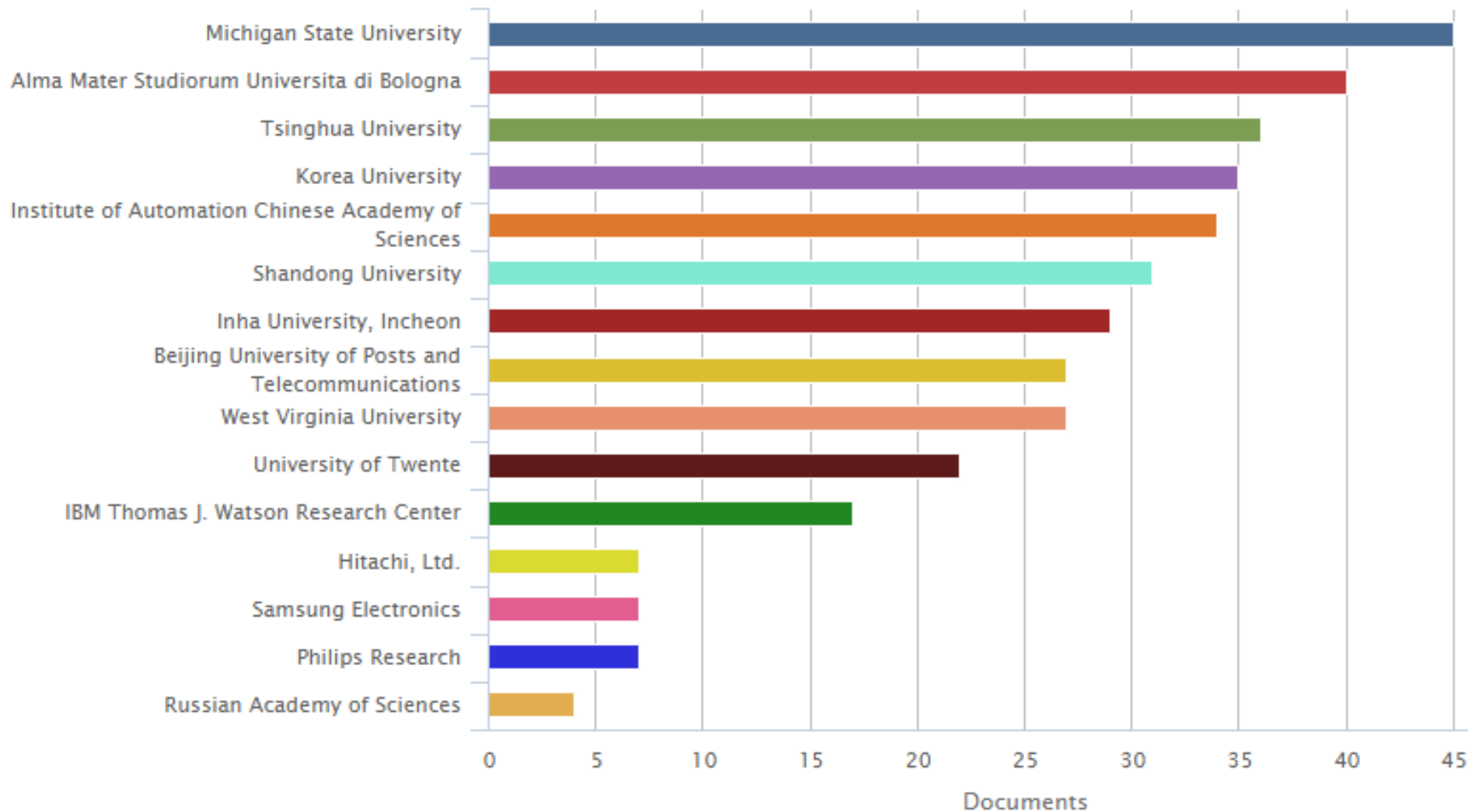
Documents by year



Визуализация данных – организации-лидеры исследования

Documents by affiliation

Compare the document counts for up to 15 affiliations

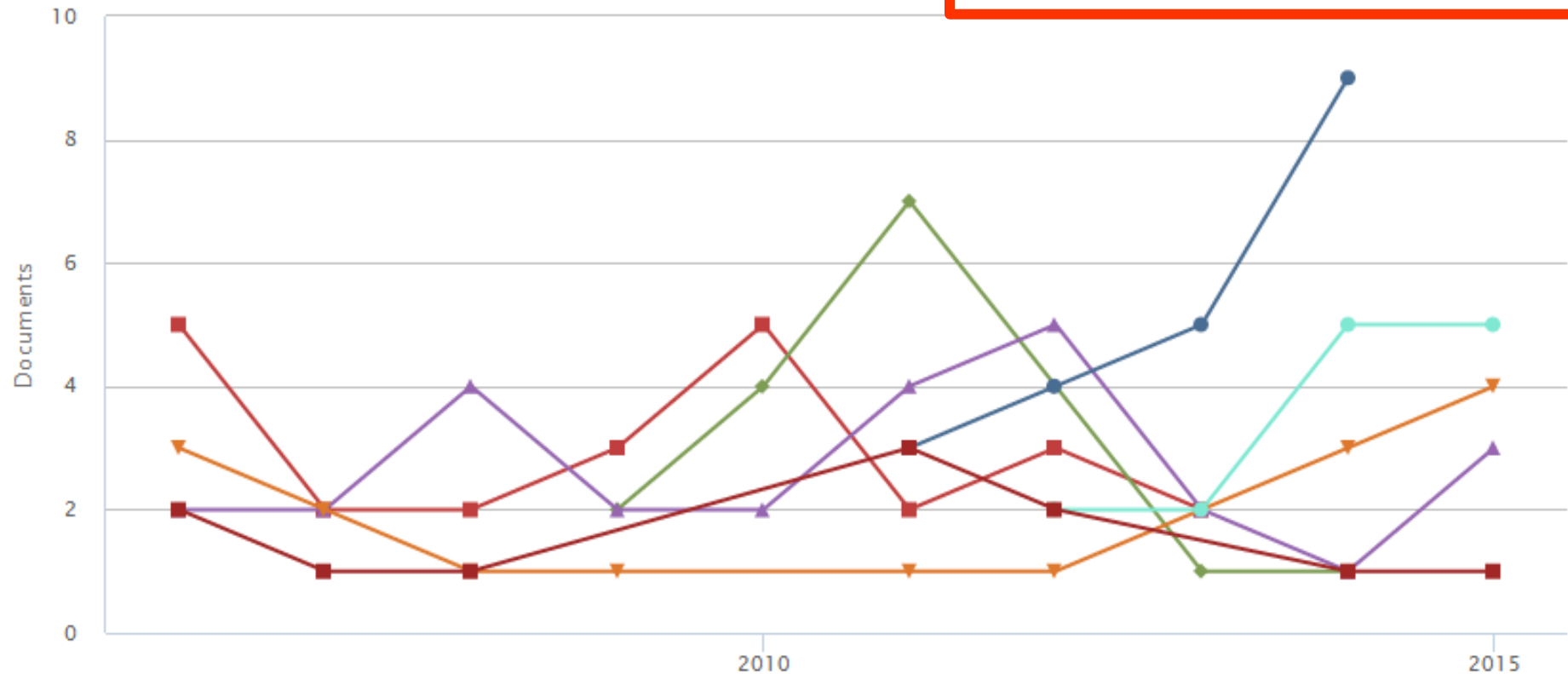


Визуализация данных – подбор журнала

Documents per year by source

Compare the document counts for up to 10 sources

 [Compare journals and view SJR, IPP, and SNIP data](#)



■ Pattern Recognition ◆ Communications in Computer and Information Science
▲ IEEE Transactions on Information Forensics and Security ● Applied Mechanics and Materials ▼ Neurocomputing
● International Journal of Applied Engineering Research ■ Pattern Recognition Letters

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



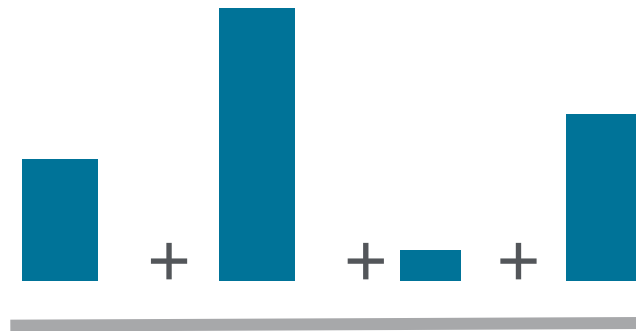
Разработчик: Henk Moed, CWTS

Контекстуальный импакт-фактор цитирования (Contextual citation impact):

- выравнивает различия в вероятности цитирования
- выравнивает различия в предметных областях
- Научная область рассчитывается динамически для каждого журнала на основе взаимного цитирования
- все цитаты имеют одинаковый вес
- Не зависит от покрытия базы
- трехлетнее окно цитирования
- учитывает только рецензируемые научные статьи

Source-normalized impact per paper

Исходное значение
импакт-фактора в расчете на
одну статью



Потенциальное цитирование в
данной предметной области



Только реферируемые
статьи

Степень покрытия предметной области в базе данных

Объем и предметная область журнала

Параметры берутся относительно среднего значения по базе

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



SCImago Journal Rank – SJR

Разработчик: SCImago – Felix de Moya

Метрика престижа (Prestige metrics)

Параметр различает «популярность» и «престиж» журнала. Оценивает журнал в зависимости от того попадает ли он в топ-лист самых цитируемых журналов данной области знаний

Цитирование получает вес в зависимости от источника (аналогично Google PageRank)

самоцитирование журнала не может превышать 33%

учитывает только рецензируемые научные статьи

Независимость престижа от научной области позволяет сравнивать журналы разных областей

Lisa Colledge, Félix de Moya-Anegón et al. Serials – 23(3), November 2010 «SJR and SNIP: two new journal metrics in Elsevier's Scopus»

SJR: Метрика престижа журнала (SCImago Journal Rank)

A

и

B

МАТЕМАТИКА

ФИЗИКА

Процитирован
100 раз

Входит в набор
самых цитируемых
журналов в своей
предметной
области

SJR A

>

Не входит в набор
самых цитируемых
журналов в своей
предметной
области

SJR B

Процитирован
100 раз

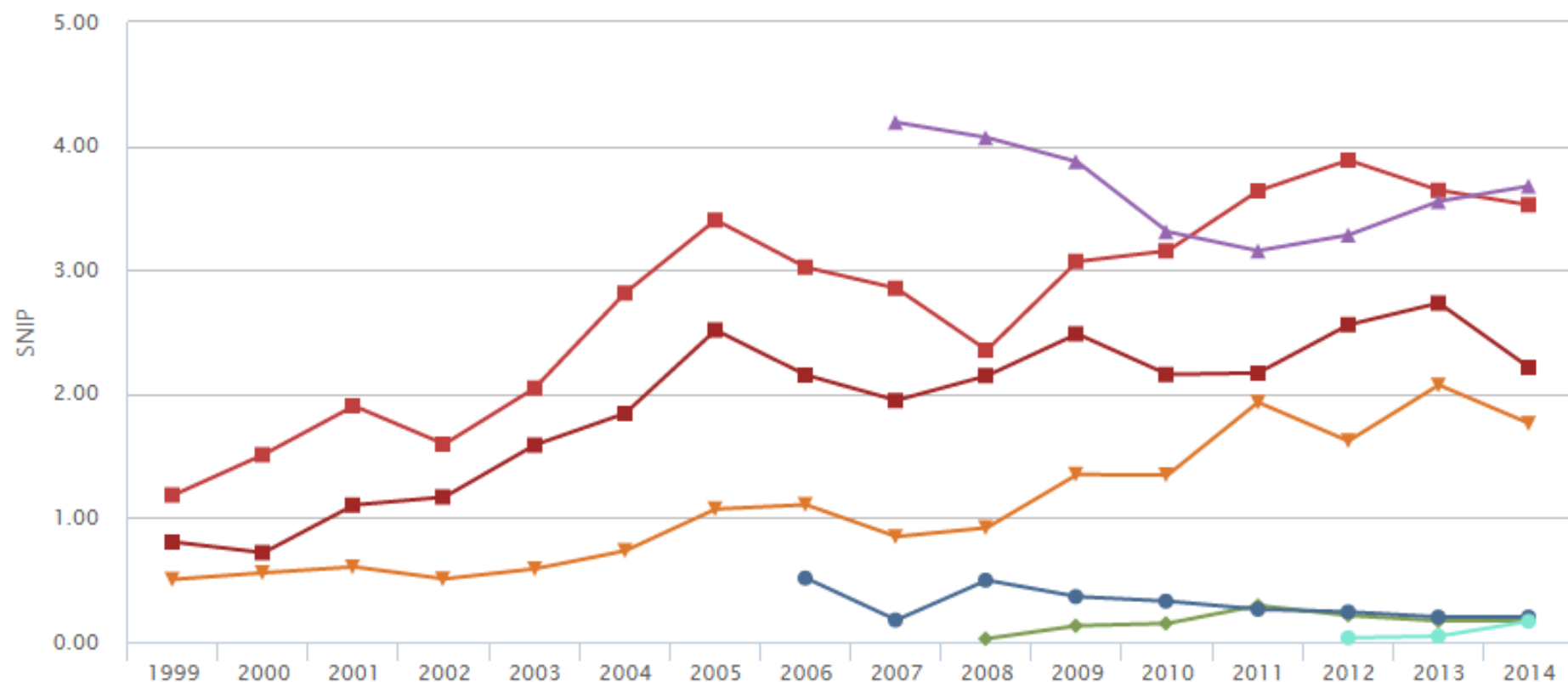
Сравнительные характеристики SJR, SNIP, JIF

Аспект	SJR	SNIP	JIF
Публикационное окно	3 года	3 года	2 года или 5 лет
Отношение к самоцитированию журнала	Не более 33% от общего числа	Не имеет значения	Не имеет значения
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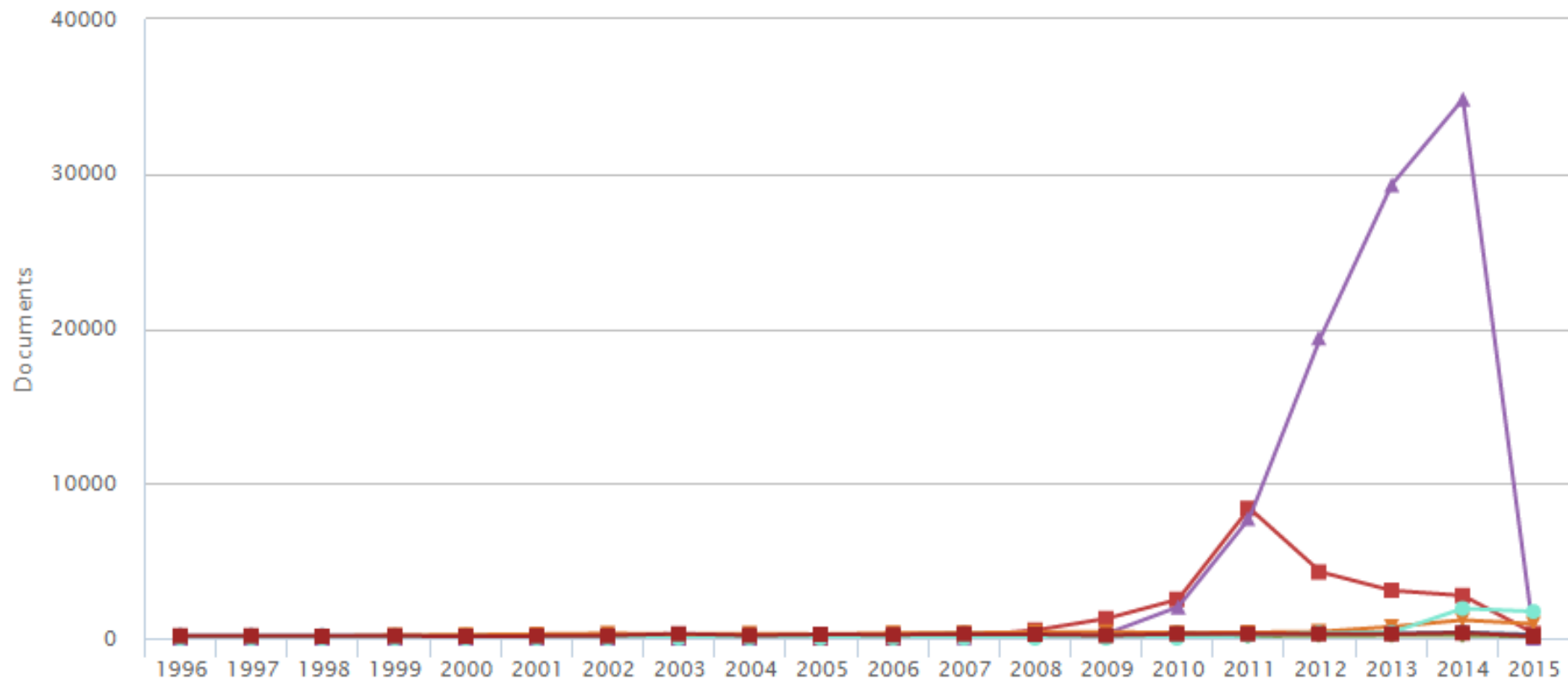


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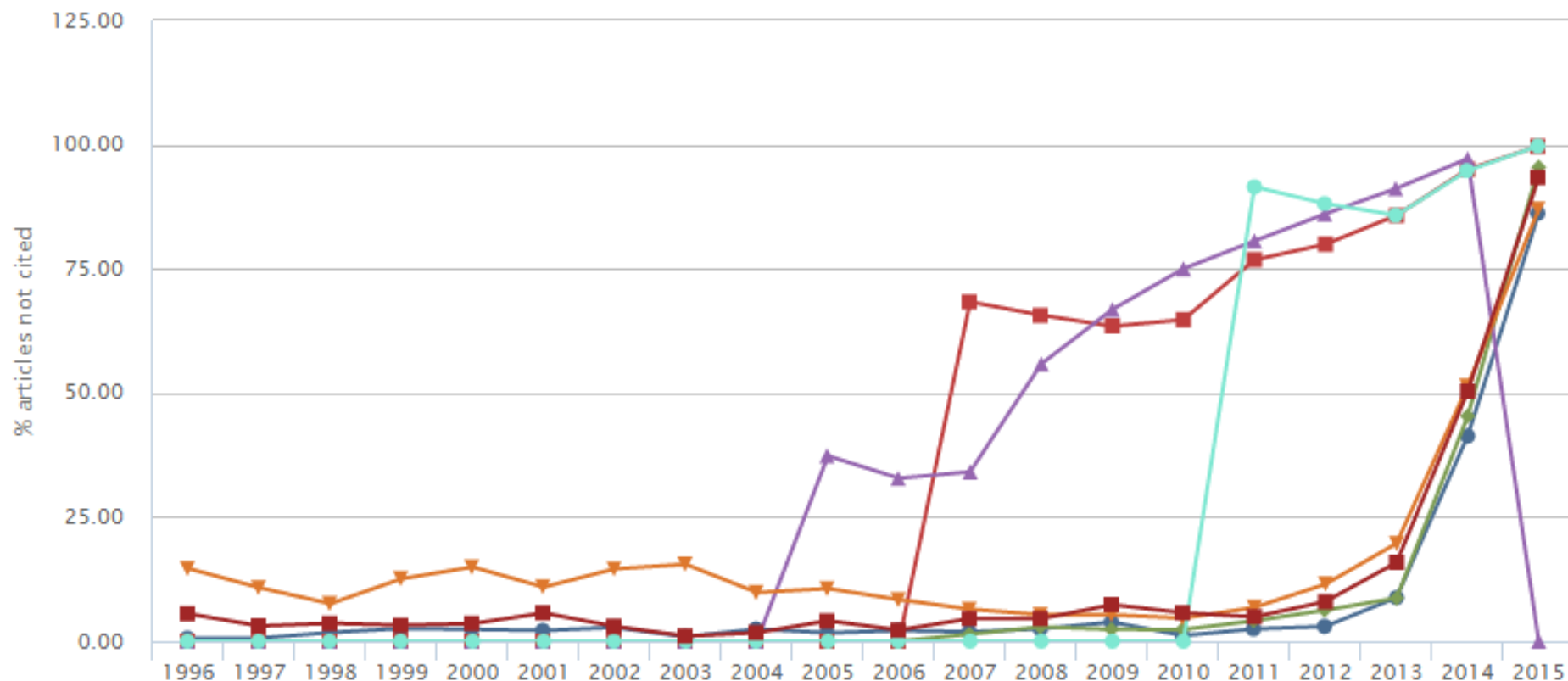


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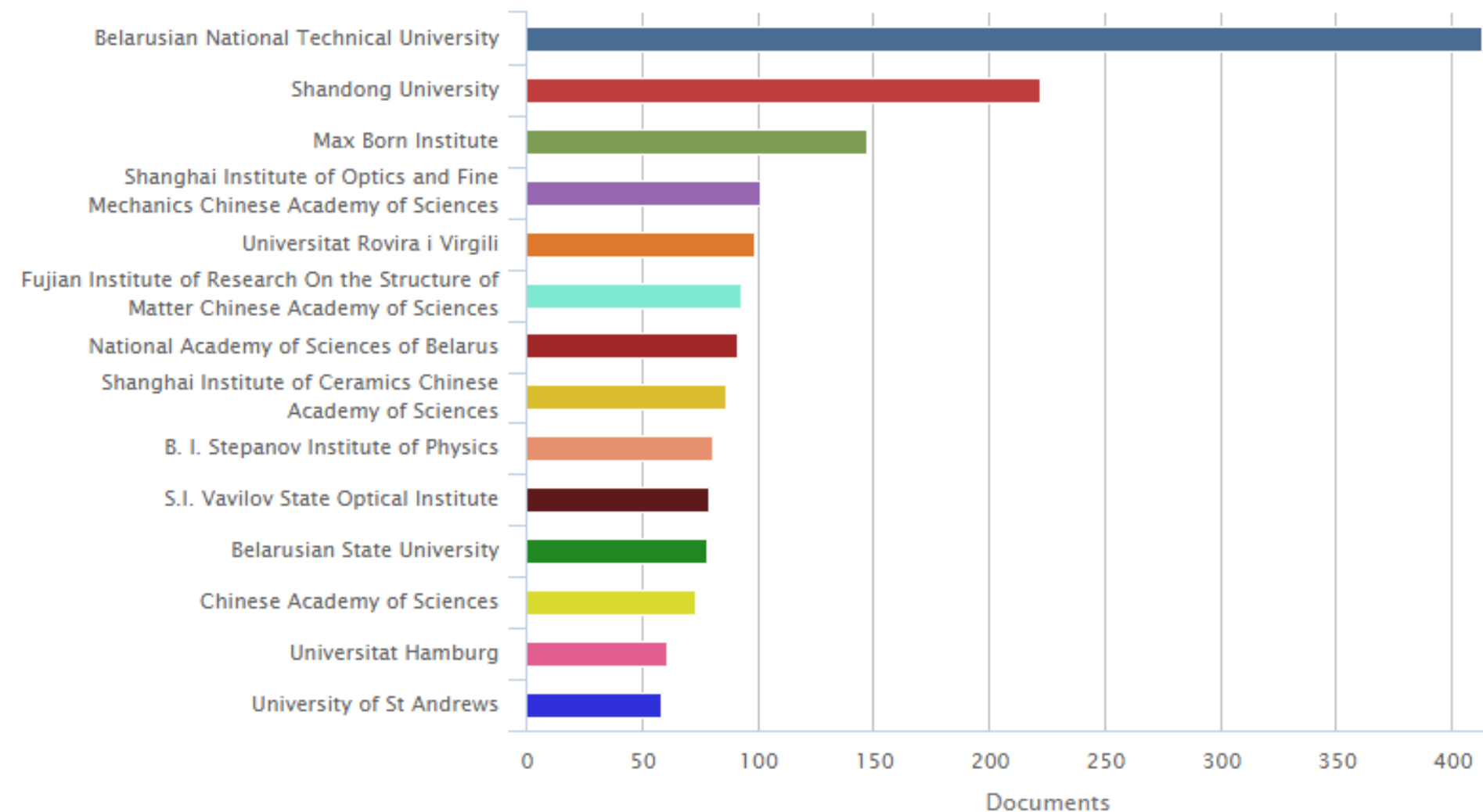
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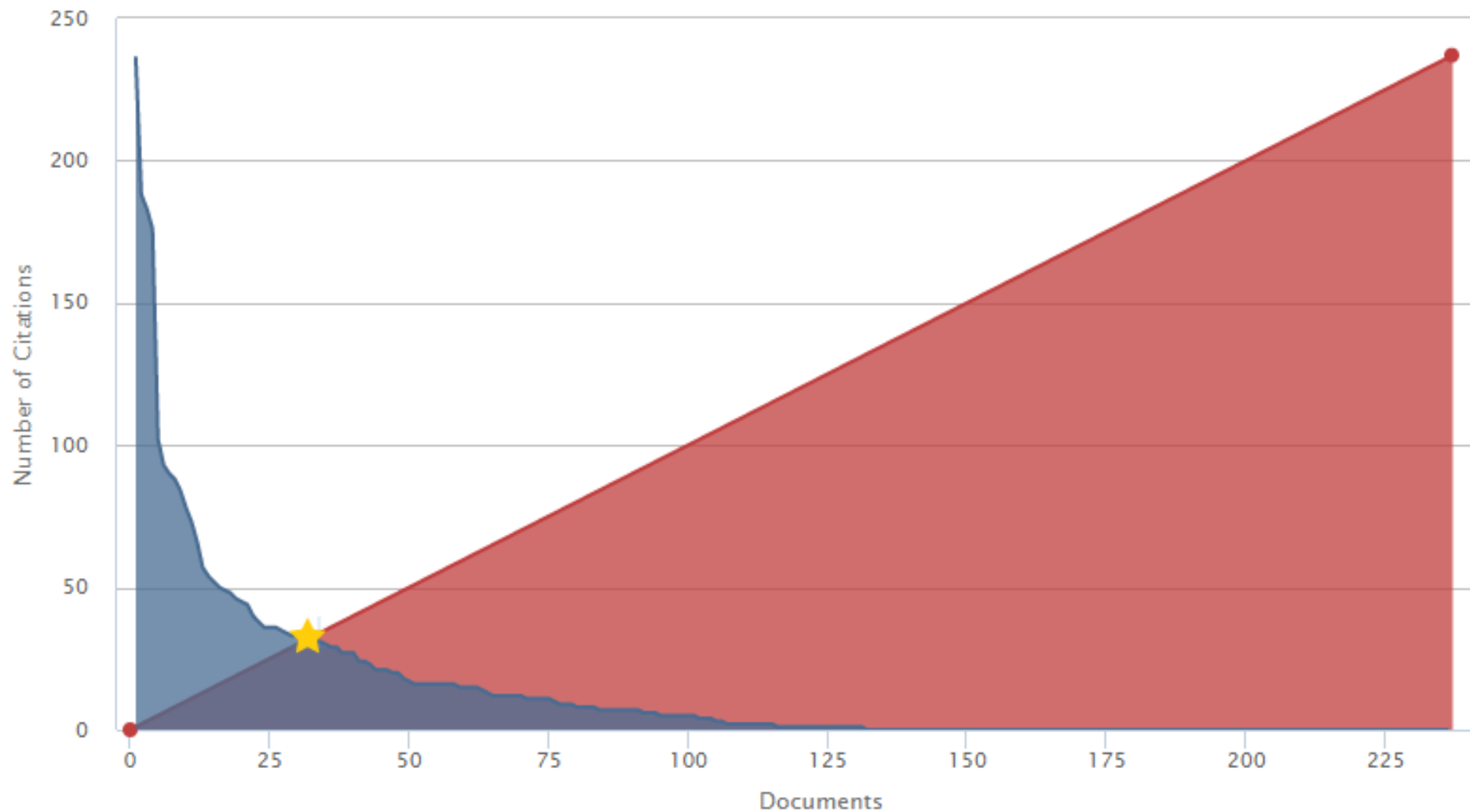
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Title Copper-molybdenum ore beneficiation by flotation and bio-hydrometallurgical combination technology

Author Morozov V. V., Pestryak I. V., Baatarkhuu Zh., Khandmaa S.
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Authors' Information Erdenet Mining Corporation (Erdenet, Mongolia):
Baatarkhuu Zh., Chief Dresser, Doctor of Engineering

Mongolyn Alt (MAK) Group (Ulaanbaatar, Mongolia):
Khandmaa S., Director of the Center for Technology

Abstract The objective of the present study was to find regular patterns in processing of complex copper-molybdenum ore by flotation and bio-hydrometallurgical method and to choose application conditions for combination of the methods. As a result of the studies, the indexes and parameters of acid and bio-hydrometallurgical leaching of middling products were related with the grain size of the products, acidity of the medium, leaching duration, and temperature and density of the pulp slurry. The recommended optimum conditions for flotation of middling products are pH range from 10.2 to 10.5 at 72 to 75% content of mineral particles -74 µm in size. The best performance of bacterium-acid leaching is reached at the concurrent feed of biomass and acid at the pulp slurry density of 50% and the medium temperature of 32-36°C. The developed combination scheme and dressing technology for middling products of copper-molybdenum ore bulk flotation includes ore grinding, flotation of sulfide minerals, bacterium leaching of flotation tailings, liquid-phase extraction of dissolved copper and electrolysis of re-extraction column effluents.

Keywords Copper-molybdenum ore, flotation, processing of middling products, sorption extraction

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^a Moscow State Mining University, Moscow, Russian Federation

^b Erdenet Mining Corporation, Erdenet, Mongolia

^c Mongolyn Alt (MAK) Group, Ulaanbaatar, Mongolia

Abstract

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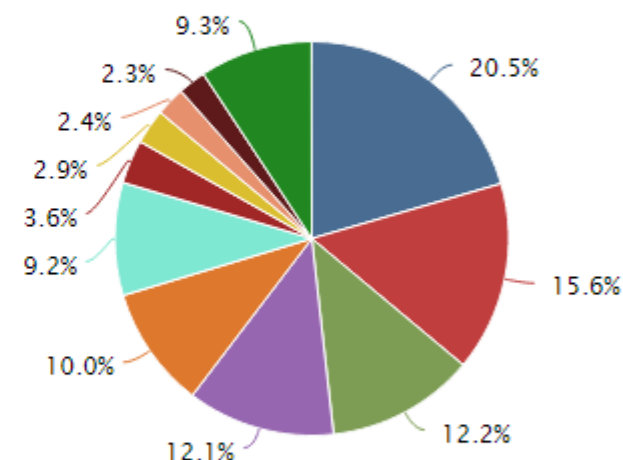
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