

Using Web of Science and InCites for research evaluation, strategic planning and research monitoring

Marcin Kapczynski

Customer Education and Support,
Thomson Reuters
Scientific & Scholarly Research

Vilnius, 12 March 2015

New Trends in Usage of Online Research Resources



THOMSON REUTERS

Thomson Reuters Intellectual Property & Science



LARGEST PROVIDER OF INTELLIGENT INFORMATION

Thomson Reuters is the largest provider of intelligent information to business and professional customers in the world.

GLOBAL

We operate in over 90 countries around the world. We support over 5,600 universities, governments and research institutions from more than 100 countries.

OBJECTIVE

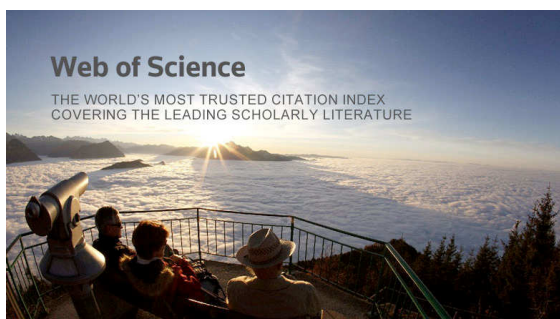
We offer unbiased metrics based on citation activity of the most impactful global and regional journals to the scholarly community, and remain free from proprietary involvement.

EXPERIENCED

Our roots run deeper than any other information partner today. And our research evaluation experts have demonstrated experience in science policy, research administration and project management.

End-to-end Solution Portfolio to Seamlessly Manage and Report on Research

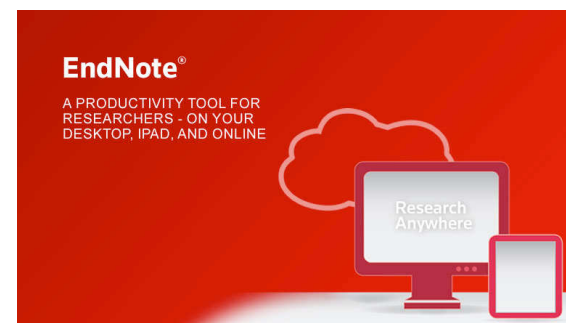
Discovery



Top Influential



Collect & Organize Research

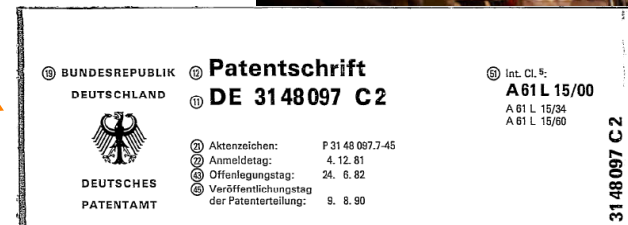
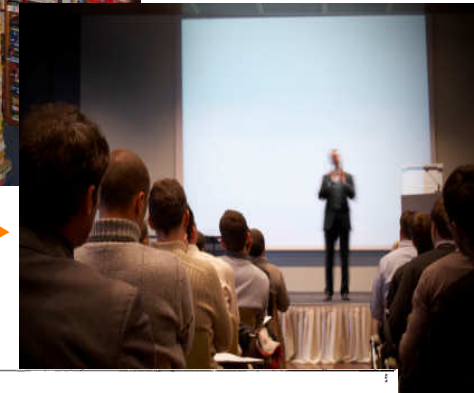


Benchmarking & Impact Analysis

Journal Impact Analysis

Research Management Processes

Research outputs



erhoben werden

A comprehensive gateway to the most relevant research information: reliable, integrated, multidisciplinary

THE CITATION CONNECTION

FROM REGIONAL AND
INTERNATIONAL PUBLISHERS
AROUND THE WORLD

49% Europe
32% North America
13% Asia Pacific
3% Latin America
3% Middle East
& Africa

THE MOST IMPACTFUL
LITERATURE ACROSS
ALL SUBJECT AREAS

78% Natural Sciences
15% Social Sciences
7% Arts & Humanities

18,711
Journal
Titles

12,000
Conference
Proceedings
Annually

50,000
Scholarly
Books

Over 2.6 Million
Data Studies
& Data Sets

23.6 Million
Inventions

Over 51.8
Million Patents



THOMSON REUTERS™

Web of Science Core Collection: *Objective and unique content selection process*

A set of criteria developed across 50 years

Journal
Publishing
Standards

Editorial
Content

International
Diversity

Citation
Analysis

12700 selected journals

12000 annual selected
conferences

56000 selected books

Core coverage in Web of Science is not static !



THOMSON REUTERS™

How do customers use bibliometric data?

Research organizations

Publishers

Understand: Collaboration and Research landscape analysis

Support: Strategic Planning/ Publishing/ Funding

Monitor: Competitive analysis

Demonstrate: Production and sharing of reports

Increase visibility: Communication, Public Relations

Identify: Recruitment, Identification of experts and promising authors

Manage information: Build/Enrich internal system with metrics

Funding organizations

Corporate sector



THOMSON REUTERS™

The Challenges of using citation metrics

Work with « clean », **unified and consistent** data

Generate **relevant** and **normalised** indicators

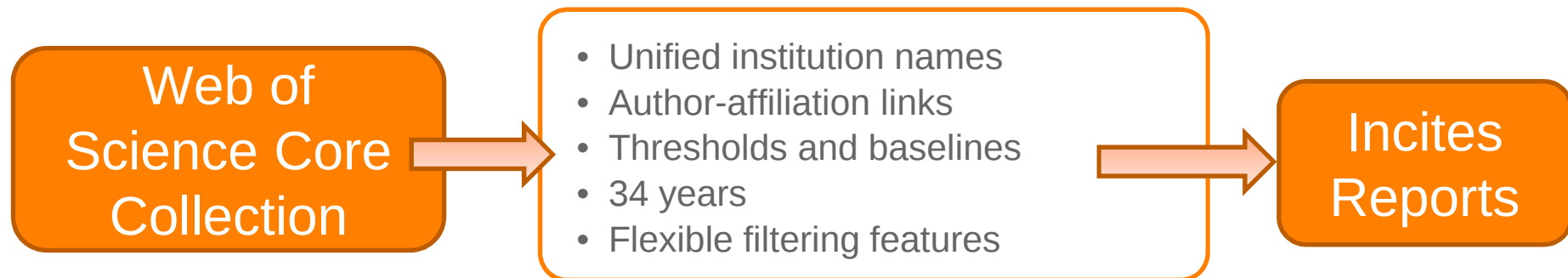
Work and visualize several indicators (**multiple angles**) simultaneously

Quickly and regularly produce standardised and reliable reports

Customize and **precisely define** the area of analysis

Analyse collaborations using **reliable metadata**

Being able to run **fair comparisons** between publications sets (people, departments, universities, countries, etc.)



Web of Science Core Collection and other contents: Different levels *metadata* quality

Flavonoid intake and long-term risk of coronary-heart-disease and cancer in the 7 countries study.

By: Hertoog, MGL (HERTOOG, MGL); KROMHOUT, D (KROMHOUT, D); ARAVANIS, C (ARAVANIS, C); BLACKBURN, H (BLACKBURN, H); BUZINA, R (BUZINA, R); FIDANZA, F (FIDANZA, F); GIAMPAOLI, S (GIAMPAOLI, S); JANSEN, A (JANSEN, A); MENOTTI, A (MENOTTI, A); NEDELJKOVIC, S (NEDELJKOVIC, S); PEKKARINEN, M (PEKKARINEN, M); SIMIC, BS (SIMIC, BS); TOSHIMA, H (TOSHIMA, H); FESKENS, EJM (FESKENS, EJM); HOLLMAN, PCH (HOLLMAN, PCH); KATAN, MB (KATAN, MB) ... [Less](#)

Archives of Internal Medicine
Volume: 155 Issue: 4 Pages: 357-362
DOI: 10.1001/archinte.155.4.357
Published: FEB 27 1995

Abstract
OBJECTIVE: To determine the association between flavonoid intake and the risk of coronary heart disease and cancer in the 7 countries study.

Author Information
Addresses:

- + [1] NATL INST PUBL HLTH & ENVIRONM PROTECT,DEPT CHRON DIS & ENVIRONM EPIDEMIOLOG, DIV PUBL HLTH RES, 3720 BA BILTHOVEN, NETHERLANDS
- [2] GREEK SOC STUDY ATHEROSCLEROSIS, ATHENS, GREECE
- [3] MED CTR ATHENS, ATHENS, GREECE
- + [4] UNIV MINNESOTA, SCH PUBL HLTH, DIV EPIDEMIOLOG, MINNEAPOLIS, MN 55455
- [5] INST DIABET ENDOCRINOL & METAB DIS, ZAGREB, CROATIA
- + [6] UNIV PERUGIA, INST FOOD SCI & NUTR, I-06100 PERUGIA, ITALY
- + [7] NATL INST HLTH, EPIDEMIOLOG & BIOSTAT LAB, ROME, ITALY
- + [8] UNIV BELGRADE, FAC MED, INTERNAL CLIN B, BELGRADE
- + [9] UNIV BELGRADE, FAC MED, INST HYG, BELGRADE

Web of Science Core Collection record: All Addresses

Web of Science Core Collection: *Size and depth*

FLAVONOID INTAKE AND LONG-TERM RISK OF CORONARY-HEART-DISEASE AND CANCER IN THE 7 COUNTRIES STUDY

By: HERTOOG, MGL (HERTOOG, MGL); KROMHOUT, D (KROMHOUT, D); ARAVANIS, C (ARAVANIS, C); BLACKBURN, H (BLACKBURN, H); BUZINA, R (BUZINA, R); FIDANZA, F (FIDANZA, F); GIAMPAOLI, S (GIAMPAOLI, S); JANSEN, A (JANSEN, A); MENOTTI, A (MENOTTI, A); NEDELJKOVIC, S (NEDELJKOVIC, S); PEKKARINEN, M (PEKKARINEN, M); SIMIC, BS (SIMIC, BS); TOSHIMA, H (TOSHIMA, H); FESKENS, EJM (FESKENS, EJM); HOLLMAN, PCH (HOLLMAN, PCH); KATAN, MB (KATAN, MB)...[Less](#)

ARCHIVES OF INTERNAL MEDICINE

Volume: 155 Issue: 4 Pages: 381-386

DOI: 10.1001/archinte.155.4.381

Published: FEB 27 1995

[View Journal Information](#)

Author Information

Addresses:

- + [1] NATL INST PUBL HLTH & ENVIRONM PROTECT,DEPT CHRON DIS & EPIDEMIOL,BILTHOVEN,NETHERLANDS
- [2] GREEK SOC STUDY ATHEROSCLEROSIS,ATHENS,GREECE
- [3] MED CTR ATHENS,ATHENS,GREECE
- + [4] UNIV MINNESOTA,SCH PUBL HLTH,DIV EPIDEMIOL,MINNEAPOLIS,MN 55455
- [5] INST DIABET ENDOCRINOL & METAB DIS,ZAGREB,CROATIA
- + [6] UNIV PERUGIA,INST FOOD SCI & NUTR,I-06100 PERUGIA,ITALY
- + [7] NATL INST HLTH,EPIDEMIOL & BIOSTAT LAB,ROME,ITALY
- + [8] UNIV BELGRADE,FAC MED,INTERNAL CLIN B,BELGRADE
- + [9] UNIV BELGRADE,FAC MED,INST HYG,BELGRADE

1,176 Times Cited

29 Cited References

[View Related Records](#)

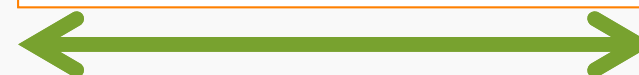
 [View Citation Map](#)

 [Create Citation Alert](#)

(data from Web of Science™ Core Collection)

+58 million records

+900 millions citations



1900

2015



Allergic rhinitis and its impact on asthma (ARIA) 2008 update (in collaboration with the World Health Organization, GA(2)LEN and AllerGen)

By: Bousquet, J. [61]; Togias, A. [62]; van Weel, C (van Weel, C.) [63]; Bonini, S (Bonini, S.) [64]; K. -H.) [21]; Ch... [22]; Durham, SR (Durham, SR) [23]; Y. -Y.) [31]; Ko... [32]; RF (Lockey, R.) [33]; (Mullol, J.) [40]; S (Palkonen, S.) [41]; (Popov, T. A.) [42]; E. R.) [54]; Tos... [55]; Wickman, M. [56]; H.) [65]; Annes... [66]; D. A.) [70]; Bou... [71]; Chavannes, NH... [72]; (Grouse, L.) [79]; JP (K... [80]; J. -L... [81]; Nizankowska-M... [82]; D (Price, D.) [95]

[49] Nippon Med Sch, Bunkyo Ku, Tokyo 113, Japan

[50] Med Univ Sofia, Clin Allergy & Asthma, Sofia, Bulgaria
Organization-Enhanced Name(s)
Bulgarian Academy of Sciences
Medical University Sofia

[51] Leiden Univ, Med Ctr, Leiden, Netherlands

[52] Hosp Dona Estefania, Lisbon, Portugal

[53] UCL, Royal Natl TNE Hosp London, London, En

[54] Univ Manitoba, Winnipeg, MB R3T 2N2, Canada

[55] Helsinki Univ Hosp, Helsinki, Finland

[56] Finnish Inst Occupat Hlth, Helsinki, Finland

[57] Turku Allergy Ctr, Turku, Finland

[58] Univ Ghent, B-9000 Ghent, Belgium

[59] Natl Univ Singapore, Yong Loo Lin Sch Med, Sin

[60] Karolinska Inst, Sachs Childrens Hosp, Stockho

[61] Karolinska Inst, Inst Environm Med, S-10401 St

[62] Univ Minnesota, Olmsted Med Ctr, Rochester, M

[65] Univ Cape Town, Sch Child & Adolescent Hlth, C

[66] INSERM, EPAR U707, F-75654 Paris 13, Franc

[67] UPMC, EPAR, UMR S, Paris, France

[68] Univ Cape Town, Fac Hlth Sci, ZA-7925 Cape T

[69] Univ Tunis, Tunisian Soc Resp Dis, Pan African Thorac Soc, Tunis, Tunisia

All Authors
All Affiliations
All Funding sources

Citation Network

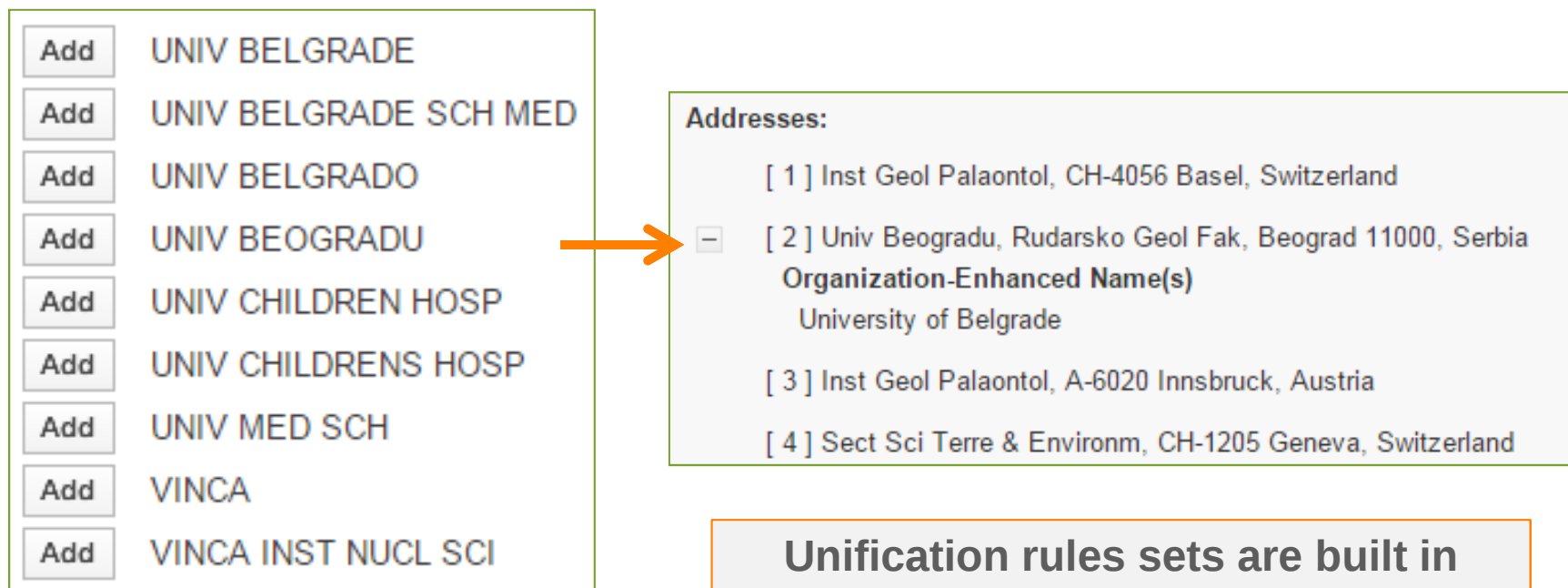
1,030 Times Cited
2,257 Cited References
[View Related Records](#)
[View Citation Map](#)
[Create Citation Alert](#)
(data from Web of Science™ Core)

Funding Agency	Grant Number
U. S. Department of Energy	DE-FG03-97ER41020/A000
Bundesministerium fur Bildung und Forschung, Germany	06F137
Virtual Institute	VI-146
Helmholtz Gemeinschaft, Germany	
Polish State Committee for Scientific Research	1 P03B 006 30 N N202 078735 1 P03B 121 29 1 P03B 127 30
Polish Scientific Research Foundation	T032648 T032293 T043514
Hungarian National Science Foundation, OTKA	F034707
Polish-German Foundation	
Korea Research Foundation	KRF-2007-313-C00175
Bulgarian National Science Fund	Ph-09/05

Without consistency, no meaningful data analysis is possible



Web of Science Core Collection: Institutional level *metadata enhancement*



Unification rules sets are built in complete transparency, using internal and external expertise

We communicate rules to institutions

They validate/modify/complete the rules

Rules are updated and applied to more than a century of publication activity

Organization Enhanced at Web of Science

Field: Organizations-Enhanced	Record Count	% of 37542	Bar Chart																																				
Enter text to find organizations containing or related to the text. <i>Example: PRAGUE to find ACAD OF FINE ARTS PRAGUE and CHARLES UNIV PRAGUE ACAD SCI CZECH REPUB</i> vilnius Find																																							
Results Page 1 (Organizations 1 - 2 of 2) ◀ ◀ ◀ [1] ▶ ▶ ▶ <table border="1"> <thead> <tr> <th>Add to Query</th> <th>View Details</th> <th>Organizations</th> </tr> </thead> <tbody> <tr> <td> Add </td> <td>☒</td> <td>Vilnius Gediminas Technical Univer</td> </tr> <tr> <td> Add </td> <td>☒</td> <td>Vilnius University</td> </tr> </tbody> </table> Results Page 1 (Organizations 1 - 2 of 2) ◀ ◀ ◀ [1] ▶ ▶ ▶ Back to top				Add to Query	View Details	Organizations	Add	☒	Vilnius Gediminas Technical Univer	Add	☒	Vilnius University																											
Add to Query	View Details	Organizations																																					
Add	☒	Vilnius Gediminas Technical Univer																																					
Add	☒	Vilnius University																																					
DETAILS KEY: Add = add to query Organization Name: Add VILNIUS GEDIMINAS TECHNICAL UNIVERSITY Other Names: VILNIUS GEDIMINAS TECHNICAL UNIVERSITY; VILNIUS GEDIMINAS TECH UNIV Address: LITHUANIA Website: www.vgtu.lt/en Name Variants: <table border="1"> <tbody> <tr><td> Add </td><td>GEDIMINAS HIGH TECHNOL UNIV</td></tr> <tr><td> Add </td><td>GEDIMINAS TECH UNIV</td></tr> <tr><td> Add </td><td>GEDIMINAS TECH UNIV VILNIUS</td></tr> <tr><td> Add </td><td>GEDIMINAS TECHNOL UNIV</td></tr> <tr><td> Add </td><td>GEDIMINAS VILNIUS TECH UNIT</td></tr> <tr><td> Add </td><td>GEDIMINAS VILNIUS TECH UNIV</td></tr> <tr><td> Add </td><td>GILNIUS GEDIMINAS TECH UNIV</td></tr> <tr><td> Add </td><td>UNIT VILNIUS GEDIMINAS</td></tr> <tr><td> Add </td><td>VGTU VILNIUS GEDIMINAS TECH UNIV</td></tr> <tr><td> Add </td><td>VILINIUS GEDIMINAS TECH UNIV</td></tr> <tr><td> Add </td><td>VILNIAUS GEDIMINAS TECH UNIV</td></tr> <tr><td> Add </td><td>VILNITTS GEDIMINAS TECH UNIV</td></tr> <tr><td> Add </td><td>VILNIUS GEDIMINAS TEC UNIV</td></tr> <tr><td> Add </td><td>VILNIUS GEDIMINAS TECH UNIV</td></tr> <tr><td> Add </td><td>VILNIUS GEDIMINAS TECH UNIV LITHUANIA</td></tr> <tr><td> Add </td><td>VILNIUS GEDIMINAS TECH UNIV LT</td></tr> <tr><td> Add </td><td>VILNIUS GEDIMINAS TECH UNIV SAULETEKIO 11</td></tr> <tr><td> Add </td><td>VILNIUS GEDIMINAS TECH UNIV THERMAL INSULAT</td></tr> </tbody> </table>				Add	GEDIMINAS HIGH TECHNOL UNIV	Add	GEDIMINAS TECH UNIV	Add	GEDIMINAS TECH UNIV VILNIUS	Add	GEDIMINAS TECHNOL UNIV	Add	GEDIMINAS VILNIUS TECH UNIT	Add	GEDIMINAS VILNIUS TECH UNIV	Add	GILNIUS GEDIMINAS TECH UNIV	Add	UNIT VILNIUS GEDIMINAS	Add	VGTU VILNIUS GEDIMINAS TECH UNIV	Add	VILINIUS GEDIMINAS TECH UNIV	Add	VILNIAUS GEDIMINAS TECH UNIV	Add	VILNITTS GEDIMINAS TECH UNIV	Add	VILNIUS GEDIMINAS TEC UNIV	Add	VILNIUS GEDIMINAS TECH UNIV	Add	VILNIUS GEDIMINAS TECH UNIV LITHUANIA	Add	VILNIUS GEDIMINAS TECH UNIV LT	Add	VILNIUS GEDIMINAS TECH UNIV SAULETEKIO 11	Add	VILNIUS GEDIMINAS TECH UNIV THERMAL INSULAT
Add	GEDIMINAS HIGH TECHNOL UNIV																																						
Add	GEDIMINAS TECH UNIV																																						
Add	GEDIMINAS TECH UNIV VILNIUS																																						
Add	GEDIMINAS TECHNOL UNIV																																						
Add	GEDIMINAS VILNIUS TECH UNIT																																						
Add	GEDIMINAS VILNIUS TECH UNIV																																						
Add	GILNIUS GEDIMINAS TECH UNIV																																						
Add	UNIT VILNIUS GEDIMINAS																																						
Add	VGTU VILNIUS GEDIMINAS TECH UNIV																																						
Add	VILINIUS GEDIMINAS TECH UNIV																																						
Add	VILNIAUS GEDIMINAS TECH UNIV																																						
Add	VILNITTS GEDIMINAS TECH UNIV																																						
Add	VILNIUS GEDIMINAS TEC UNIV																																						
Add	VILNIUS GEDIMINAS TECH UNIV																																						
Add	VILNIUS GEDIMINAS TECH UNIV LITHUANIA																																						
Add	VILNIUS GEDIMINAS TECH UNIV LT																																						
Add	VILNIUS GEDIMINAS TECH UNIV SAULETEKIO 11																																						
Add	VILNIUS GEDIMINAS TECH UNIV THERMAL INSULAT																																						



Searching on Web of Science Core Collection

Search Web of Science™ Core Collection 

My Tools  Search History Marked List

Basic Search  **Organization-En...** 

Topic

Title

Author

Author Identifiers

Group Author

Editor

Publication Name

DOI

Year Published

Search**TIMESPAN**☒ All years ☐ From  to **MORE SETTINGS** **Web of Science Core Collection: Citation Indexes**☒ Science Citation Index Expanded (SCI-EXPANDED) --1900-present☒ Social Sciences Citation Index (SSCI) --1900-present☒ Arts & Humanities Citation Index (A&HCI) --1975-present☒ Conference Proceedings Citation Index- Science (CPCI-S) --1990-present☒ Conference Proceedings Citation Index- Social Science & Humanities (CPCI-SSH) --1990-present☒ Book Citation Index- Science (BKCI-S) --2005-present☒ Book Citation Index- Social Sciences & Humanities (BKCI-SSH) --2005-present

Refining results list

WEB OF SCIENCE™



THOMSON REUTERS™

Search

My Tools ▾

Search History

Marked List

Results: 13,215

(from Web of Science Core Collection)

You searched for: ORGANIZATION
-ENHANCED: (Vilnius University)

...More

Create Alert

Refine Results

Search within results for...



Web of Science Categories ▾

Document Types ▾

Research Areas ▾

Authors ▾

Group Authors ▾

Editors ▾

Source Titles ▾

Sort by: Times Cited -- highest to lowest ▾

Page 1 of 1,322

Select Page



Save to EndNote online ▾

Add to Marked List

Analyze Results

Citation Report feature not available. [?]

1. Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.
Group Author(s): CMS Collaboration
PHYSICS LETTERS B Volume: 716 Issue: 1 Pages: 30-61 Published: SEP 17 2012



Full Text from Publisher

View Abstract

Times Cited: 2,052

(from Web of Science Core Collection)

Highly Cited Paper

2. Allergic rhinitis and its impact on asthma (ARIA) 2008 update (in collaboration with the World Health Organization, GA(2)LEN and AllerGen)

By: Bousquet, J.; Khaltaev, N.; Cruz, A. A.; et al.
ALLERGY Volume: 63 Supplement: 86 Pages: 8-+ Published: 2008



Full Text from Publisher

View Abstract

Times Cited: 1,104

(from Web of Science Core Collection)

Highly Cited Paper

3. Guidelines for the use and interpretation of assays for monitoring autophagy

By: Klionsky, Daniel J.; Abdalla, Fabio C.; Abeliovich, Hagai; et al.
AUTOPHAGY Volume: 8 Issue: 4 Pages: 445-544 Published: APR 2012



Full Text from Publisher

View Abstract

Times Cited: 746

(from Web of Science Core Collection)

Highly Cited Paper

4. A randomized trial of maintenance therapy for vasculitis associated with antineutrophil cytoplasmic autoantibodies

By: Jayne, D.; Rasmussen, N.; Andrassy, K; et al.
Group Author(s): European Vasculitis Study Grp
NEW ENGLAND JOURNAL OF MEDICINE Volume: 349 Issue: 1 Pages: 36-44 Published: JUL 3 2003



Full Text from Publisher

View Abstract

Times Cited: 598

(from Web of Science Core Collection)

5. Erlotinib as maintenance treatment in advanced non-small-cell lung cancer: a multicentre, randomised, placebo-controlled phase 3 study

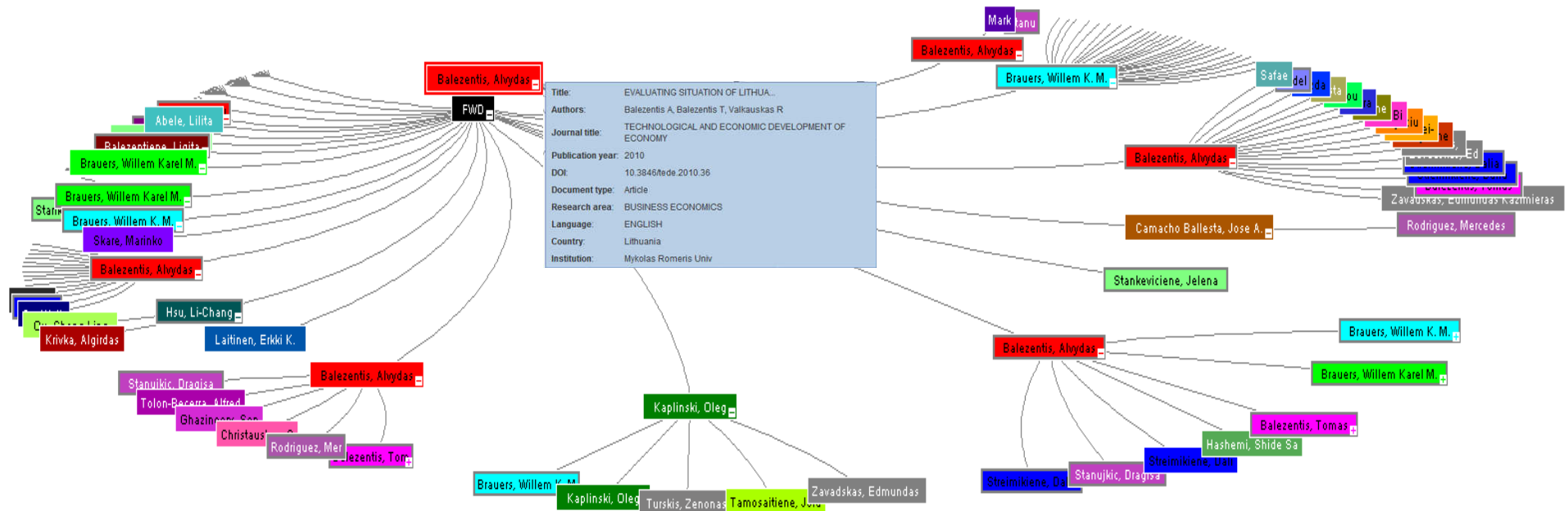
Times Cited: 475

(from Web of Science Core Collection)



THOMSON REUTERS™

Citations Maps



Source: Web of Science™, <http://thomsonreuters.com/scholarly-scientific-research/>

Citation Network

24 Times Cited
50 Cited References
[View Related Records](#)
[View Citation Map](#)
[Create Citation Alert](#)

(data from Web of Science™ Core Collection)

All Times Cited Counts

24 in All Databases
24 in Web of Science Core Collection
1 in BIOSIS Citation Index
0 in Chinese Science Citation Database
0 in Data Citation Index
0 in SciELO Citation Index

Citation Network

24 Articles
196 Times Cited
32.67 Average Citations per Year

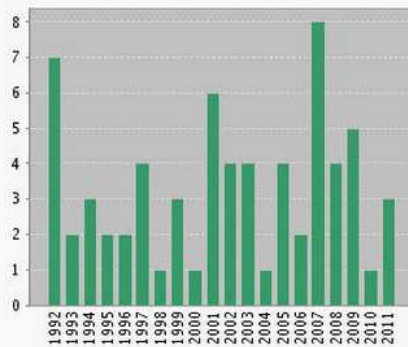
13 Subject disciplines
29 Unique authors
11 Countries



THOMSON REUTERS

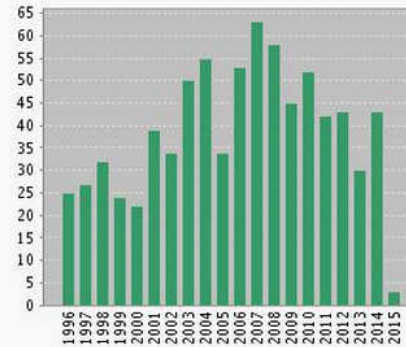
Citation Reporting on Web of Science

Published Items in Each Year



The latest 20 years are displayed.
[View a graph with all years.](#)

Citations in Each Year



The latest 20 years are displayed.
[View a graph with all years.](#)

Results found: 109
Sum of the Times Cited [?] : 1122
Sum of Times Cited without self-citations [?] : 964
Citing Articles [?] : 897
Citing Articles without self-citations [?] : 818
Average Citations per Item [?] : 10.29
h-index [?] : 18

Sort by: **Times Cited -- highest to lowest**

Page 1 of 11

Use the checkboxes to remove individual items from this Citation Report

or restrict to items published between 1900 and 2015 Go

- ☐ 1. **Dielectric dispersion of the relaxer PLZT ceramics in the frequency range 20 Hz-100 THz**
By: Kamba, S; Bovtun, V; Petzelt, J; et al.
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 12 Issue: 4 Pages: 497-519 Published: JAN 31 2000
- ☐ 2. **FAR INFRARED PROPERTIES OF PSEUDOPROPER FERROELECTRIC AMMONIUM-SULFATE**
By: PETZELT, J; GRIGAS, J; MAYEROVA, I
FERROELECTRICS Volume: 6 Issue: 3-4 Pages: 225-234 Published: 1974

2011	2012	2013	2014	2015	Total	Average Citations per Year
42	43	30	43	3	1122	26.71
5	6	3	3	0	123	7.69
0	0	1	0	0	72	1.71



THOMSON REUTERS

The Challenges of using citation metrics

Citation rates vary among fields and scientific communities.

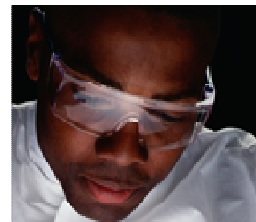
What is good or average in mathematics is very different from what is good or average in biochemistry.



23.3 cites/paper
H-index: 13



14.5 cites/paper
H-index: 7



9.8 cites/paper
H-index: 7



4.2 cites/paper
H-index: 3

How “good” is this? What is the context?

Additional metrics are needed to understand research performance.



THOMSON REUTERS

Incites: *Why **Normalised** metrics?*

The average number of citations varies significantly across disciplines

NECESSITY: FIELD NORMALIZATION

Citations are dynamic; they grow over time and cannot be compared across different time periods.

Also the “citation maturity” rate differs between fields

NECESSITY: TIME NORMALIZATION

Different publication types have different citation behaviour, an article does not statistically receive as much citations as a review

NECESSITY: DOCUMENT TYPE NORMALIZATION



Incites: Metrics that make *sense*

Productivity And Impact

Web of Science
Documents

Times Cited

Citation Impact

% of documents cited

H Index

Normalization

Percentile and
Average percentile

Category Normalized
Citation Impact

Category Expected
Citation Impact

Highly Cited Papers

Hot Papers

Journal Normalized
Citation Impact

Journal Expected
Citation Impact

Impact relative to
world

Top Performance

% Documents in Top
1%

% Documents in Top
10%

Category Expected
Citation Impact

Highly Cited Papers

Scientific Collaborations

% Industry
Collaborations

% International
Collaborations

International
collaborations



Get it [here](#)

Incites: Normalization at paper level

Document Type:
Article

Average of citations received by an **article** published in **2006** in the **Economics** category

Indicator of performance in the **Economics** category **for this Article** published in **2006**:
If >1, performs higher than average
If <1, performs lower than average

Article Title	Authors	Source	Volume	Issue	Pages	Publication Date	Times Cited ▼	Journal Expected Citations	Category Expected Citations	Journal Normalized Citation Impact	Normalized Citation Impact	Percentile in Subject Area	Journal Impact Factor
Human capital creation, accumulation and management in Lithuania: The case of national and foreign capital enterprises	GRUNDEY, DAINORA; VARNAS, DARIUS	TRANSFORMATIONS IN BUSINESS & ECONOMICS	5	3	81-105	2006	15	4.31	12.14	3.48	1.24	20.53	0.26

Category of the Journal:
Economics

$$15/12.14 = 1.24$$

Incites:

Normalization at paper level

Document Type:
Article

Article Title	Authors	Source	Volume	Issue	Pages	Publication Date	Times Cited	Journal Expected Citations	Category Expected Citations	Journal Normalized Citation Impact	Normalized Citation Impact	Percentile in Subject Area	Journal Impact Factor
Human capital creation, accumulation and management in Lithuania: The case of national and foreign capital enterprises	GRUNDEY, DAINORA; VARNAS, DARIUS	TRANSFORMATIONS IN BUSINESS & ECONOMICS	5	3	81-105	2006	15	4.31	12.14	3.48	1.24	20.53	0.26

$$15/4.31 = 3.48$$

Average of citations received by an **article** published in **2006** in the **Transformations in Business & Economics** journal

Indicator of performance **of this Article** in the **Transformations in Business & Economics** journal:
If >1, performs higher than average
If <1, performs lower than average

Percentile is a value above which a certain proportion of the observations fall

Percentiles allow the classification of publications into meaningful citation impact classes

The smaller the percentile number, the higher the number of citations



THOMSON REUTERS™

Incites: Normalization for *groups* of papers

Monitor research performance in the Journals
where these papers have been published

Monitor research performance in the Fields
where these papers have been published

Name	Rank	Web of Science Documents	Times Cited	Citation Impact	h-index	Normalized Citation Impact	Journal Normalized Citation
Researcher A	1	66	291	4.4	9	1.32	1.86
Researcher B	2	62	289	4.66	9	0.45	0.72

Comparisons can be made between **any** group of papers,
defined by the powerful InCites set of filters

Institution A

Publisher A

Collaboration A

Funder A

... A

Institution B

Publisher B

Collaboration B

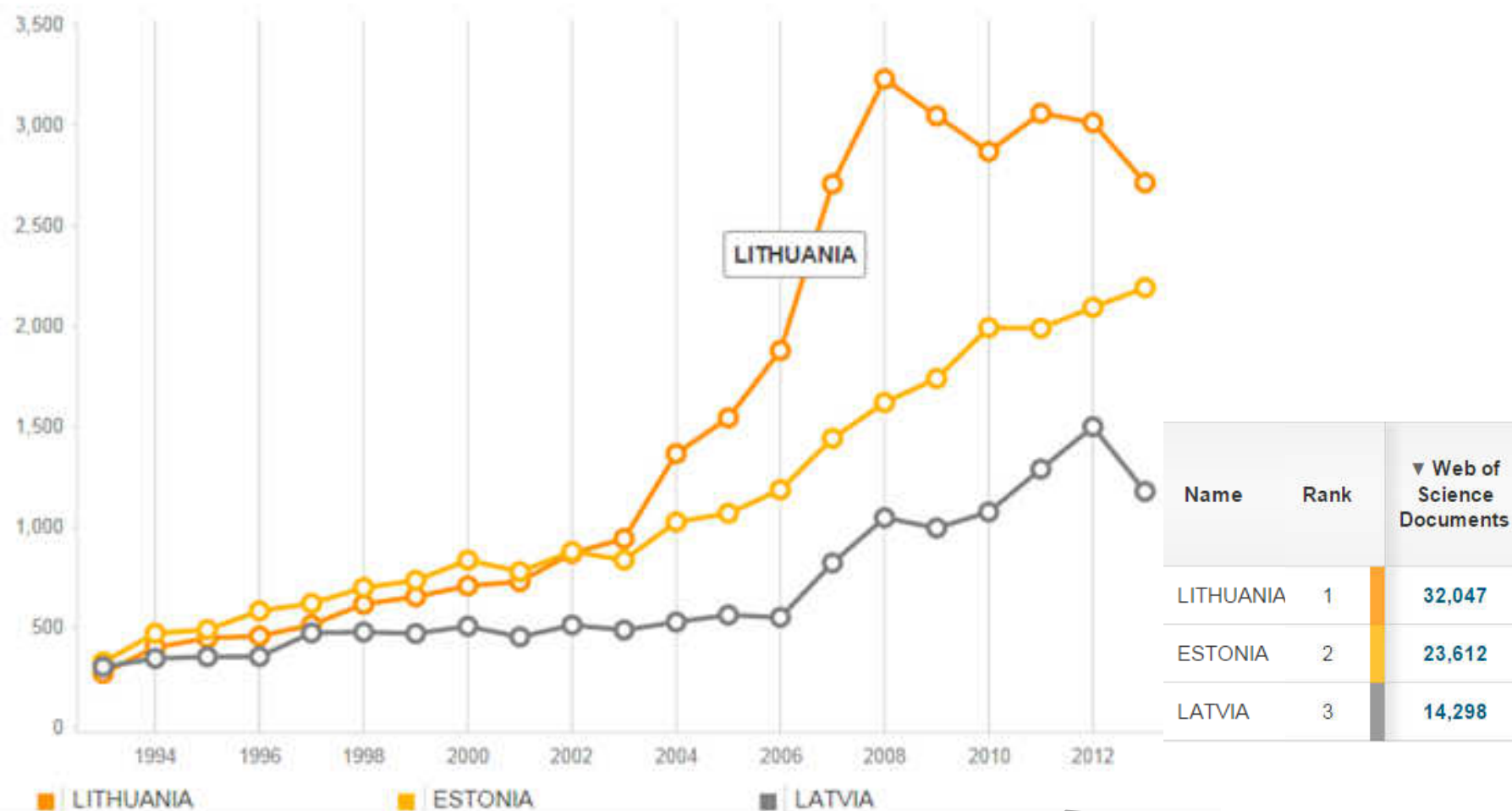
Funder B

... B



THOMSON REUTERS™

Measuring Performance by number of documents

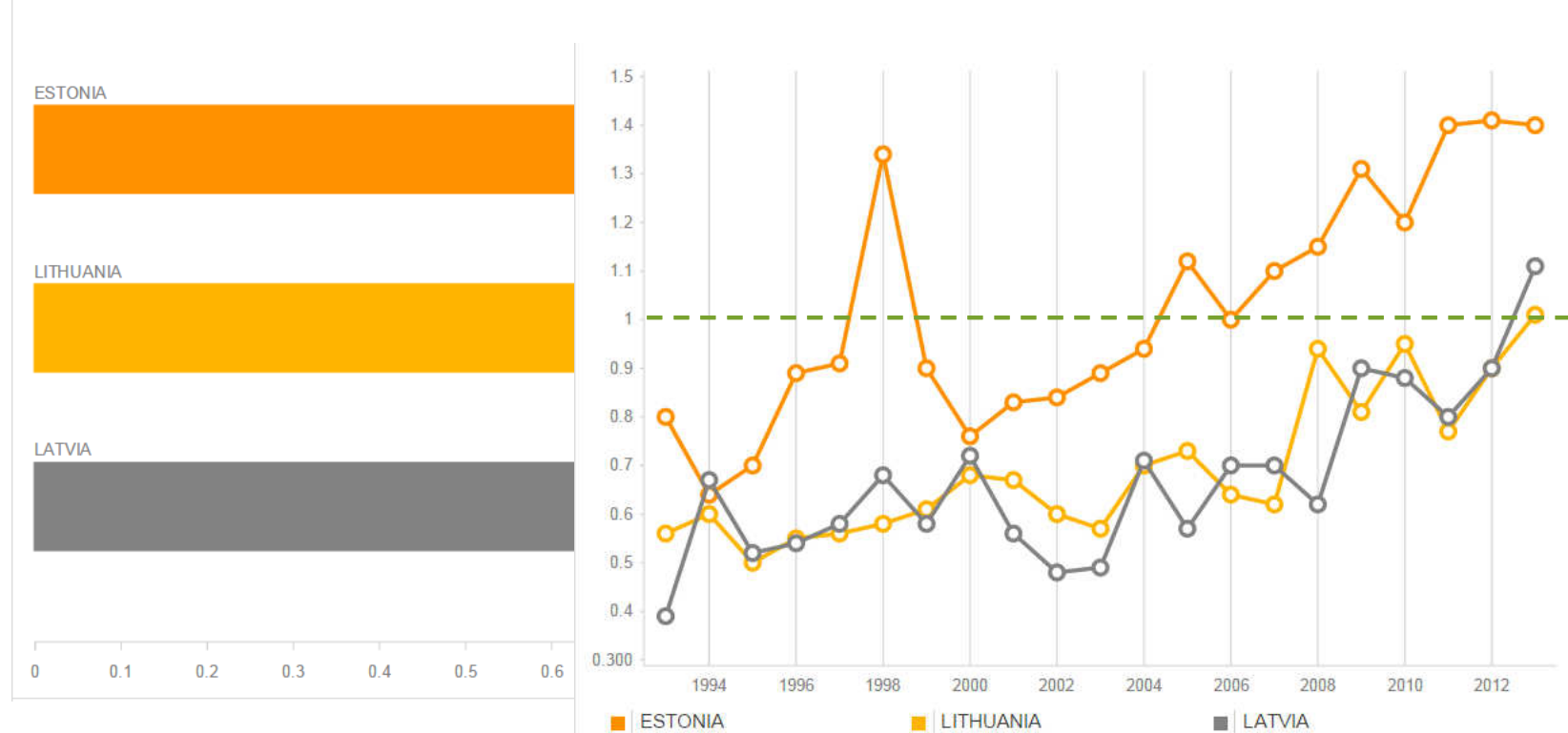


Graph shows research output as measured by the number of publications produced by Lithuania, and neighbors for the time period 1993-2013. When assessing the volumes of research output at the institutional and/or national level, certain factors need to be considered, such as the publication practices and the fields of research that an institution/country is active in.



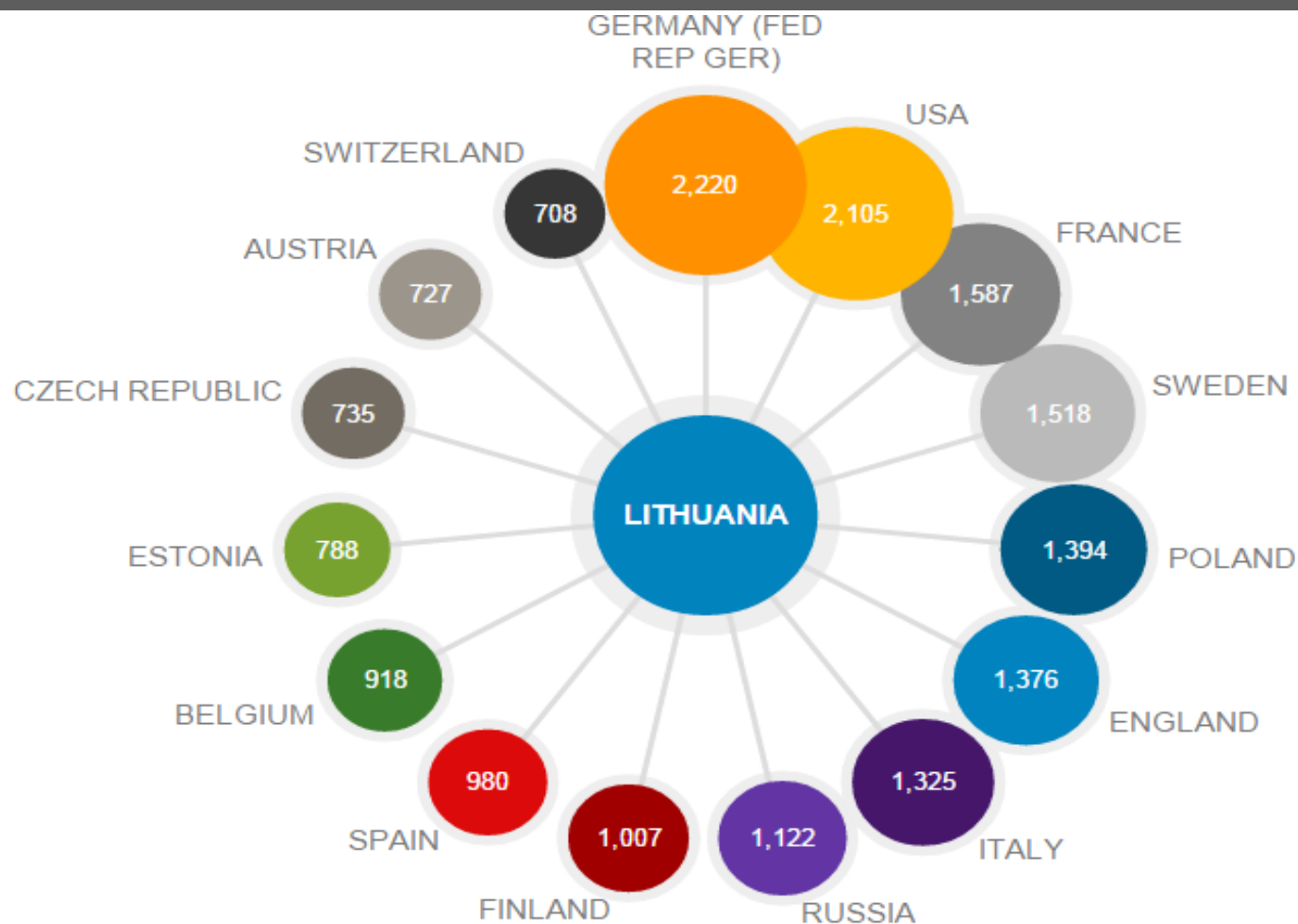
THOMSON REUTERS™

Research output by Category Normalized Citation Impact



Graph 2 and 3 shows the research impact as compared to world average for Lithuania, and neighbors, as found in InCites for the time period 1993-2013. The world average is always 1. If the country Citation Impact exceeds the value of 1, it means that the country is performing better than the world average, if it is below the value of 1 it means that is performing lower than the

International collaboration

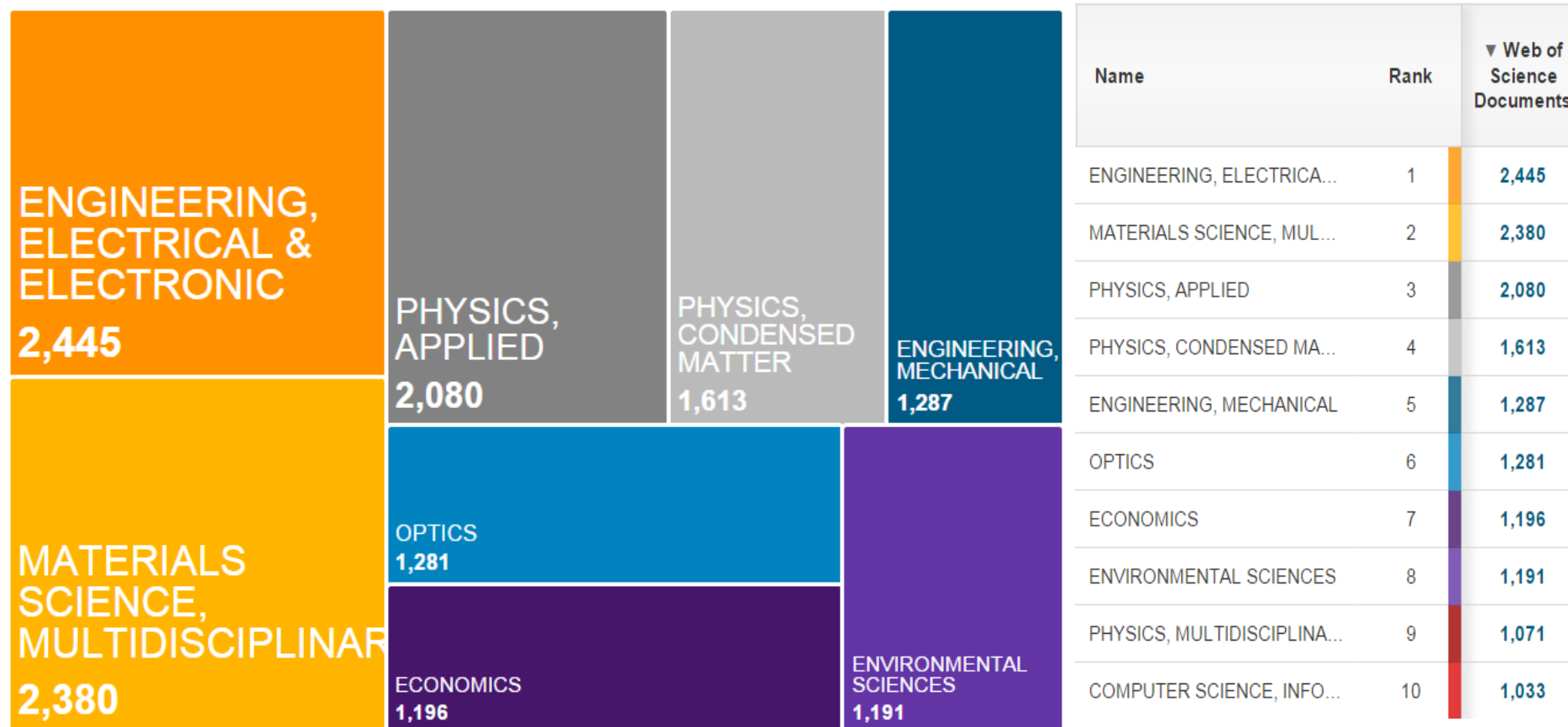


Graph shows the top collaborating countries with which Lithuania produces the largest number documents between 1993 and 2013.



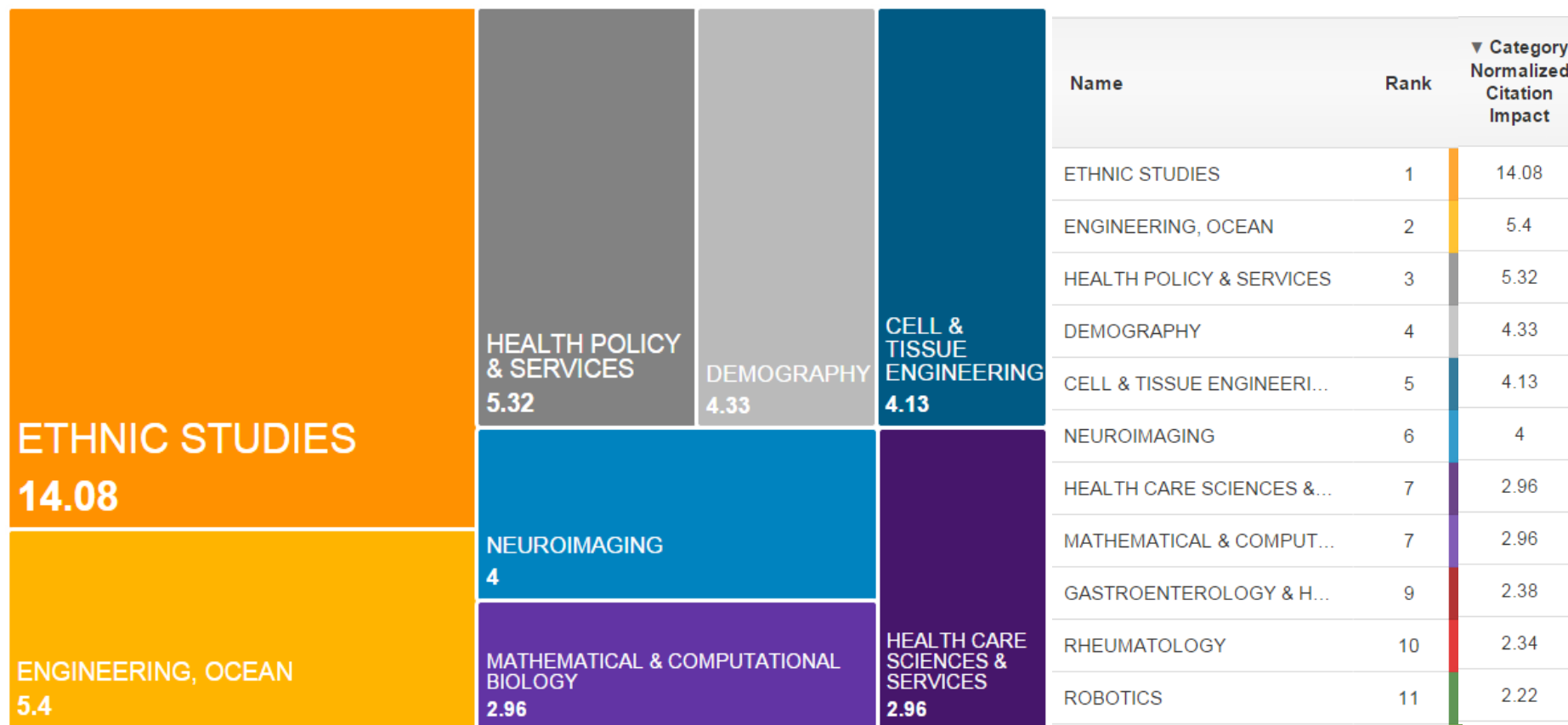
THOMSON REUTERS™

Lithuania research output – Top subject categories



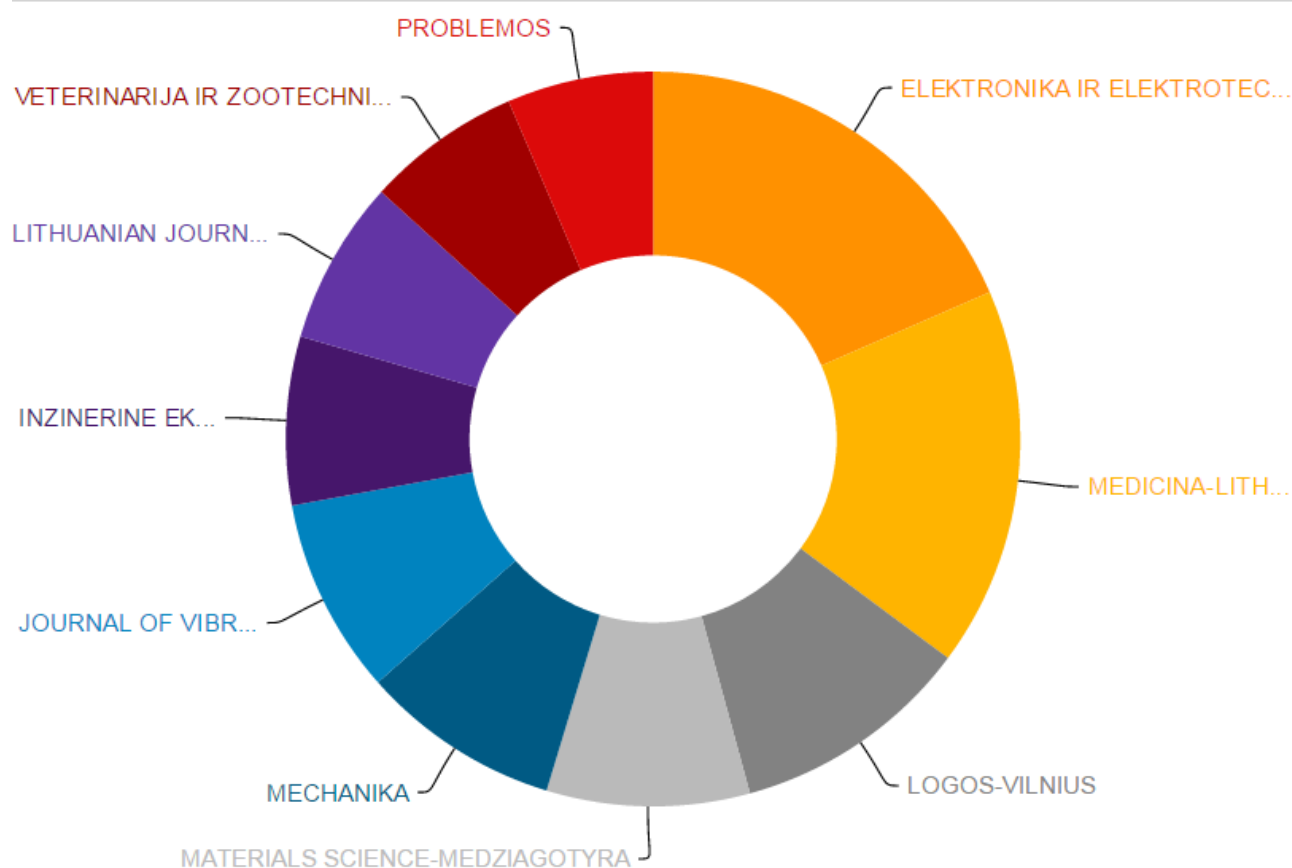
Graph shows the top subject categories in which researchers in Lithuania have mostly published between 1993 and 2013.

Subject categories by Category Normalized Citation Impact



Graph shows the top Web of Science subject categories in which researchers in Lithuania have achieved the strongest impact as compared to world average

Top Journals for Lithuanian researchers



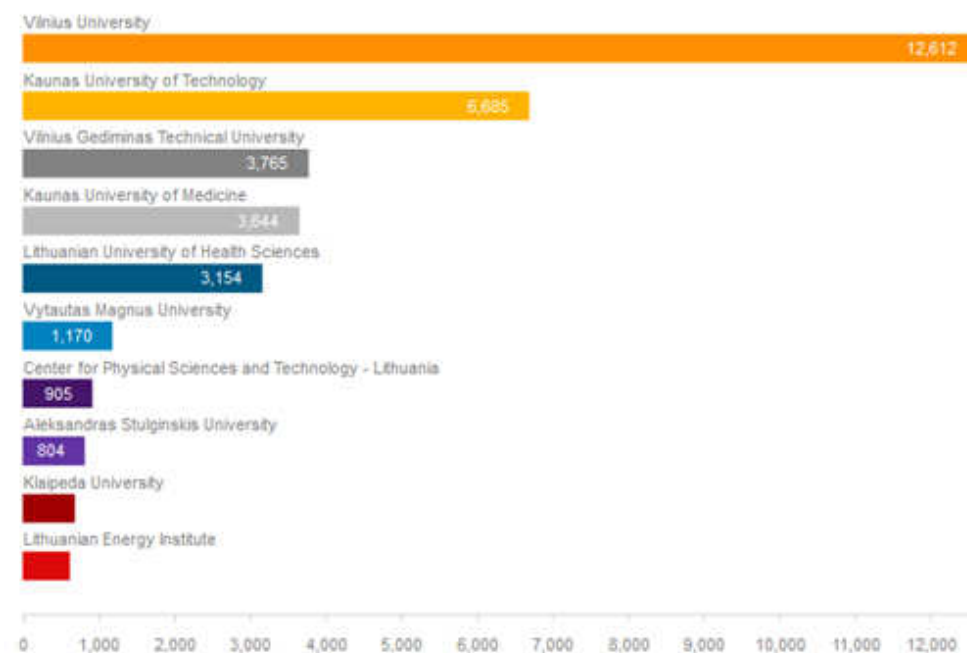
Name	Rank	▼ Web of Science Documents
ELEKTRONIKA IR ELEKTRO...	1	760
MEDICINA-LITHUANIA	2	688
LOGOS-VILNIUS	3	436
MATERIALS SCIENCE-MED...	4	368
MECHANIKA	5	362
JOURNAL OF VIBROENGIN...	6	355
INZINERINE EKONOMIKA-E...	7	305
LITHUANIAN JOURNAL OF ...	8	298
VETERINARIJA IR ZOOTEC...	9	281
PROBLEMOS	10	265

Graph shows the top 10 journals in which Lithuanian researchers have mostly published between 2004 and 2013.



THOMSON REUTERS™

Lithuanian Institutions

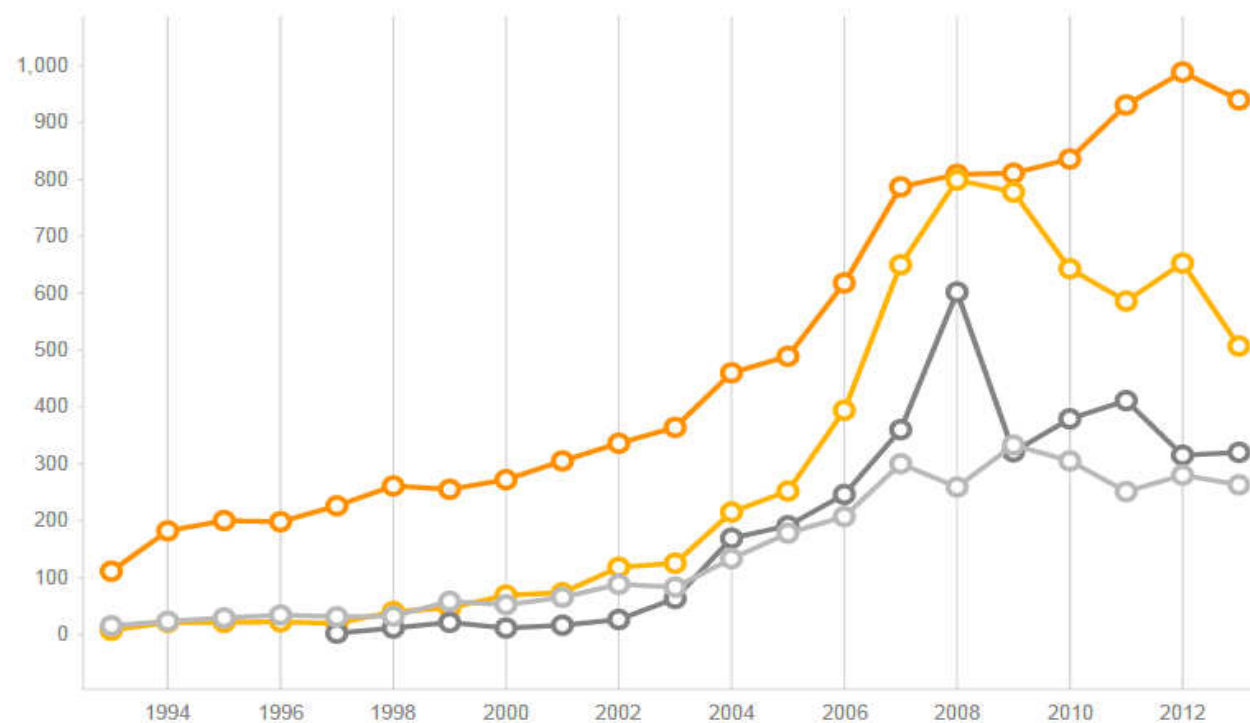


Graph shows the top 10 out of 51 Lithuanian Institution by the number of publications produced as found in InCites for the time period 1980-2013.

Name	Rank	▼ Web of Science Documents	Category Normalized Citation Impact	Times Cited	% Docs Cited
Vilnius University	1	12,612	0.86	100,727	63.86%
Kaunas University of Technol...	2	6,685	0.53	21,305	49.96%
Vilnius Gediminas Technical...	3	3,765	1.17	13,461	51.77%
Kaunas University of Medicine	4	3,644	0.68	23,787	48.57%
Lithuanian University of Heal...	5	3,154	0.67	19,429	51.74%
Vytautas Magnus University	6	1,170	0.59	5,077	42.14%
Center for Physical Science...	7	905	0.68	2,295	49.39%
Aleksandras Stulginskis Uni...	8	804	0.49	1,997	42.91%
Klaipeda University	9	673	0.8	2,762	47.4%
Lithuanian Energy Institute	10	608	0.39	1,771	50.16%
Lithuanian University of Edu...	11	515	0.37	1,475	55.15%
Vilnius University Hospital S...	12	509	1.3	2,984	43.61%
Lithuanian Research Centre ...	13	502	0.54	1,233	52.79%
Nature Research Center - Lit...	14	457	0.54	872	47.92%
Mykolas Romeris University	15	317	0.75	763	42.27%
Siauliai University	16	285	0.31	524	50.18%
Hospital of Lithuanian Univer...	17	254	1.51	1,881	44.68%
Lithuanian Sports University	18	210	0.42	739	52.86%
State Research Institute Ce...	19	124	0.62	416	45.97%



Lithuanian Institutions



■ Vilnius University
 ■ Kaunas University of Technol...
 ■ Vilnius Gediminas Technic...
 ■ Kaunas University of Medi...

Name	Rank	▼ Web of Science Documents	Times Cited	h-index	Citation Impact
Vilnius University	1	10,380	88,365	96	8.51
Kaunas University of Technol...	2	6,038	19,724	42	3.27
Vilnius Gediminas Technical ...	3	3,464	12,728	42	3.67
Kaunas University of Medicine	4	3,019	21,553	60	7.14

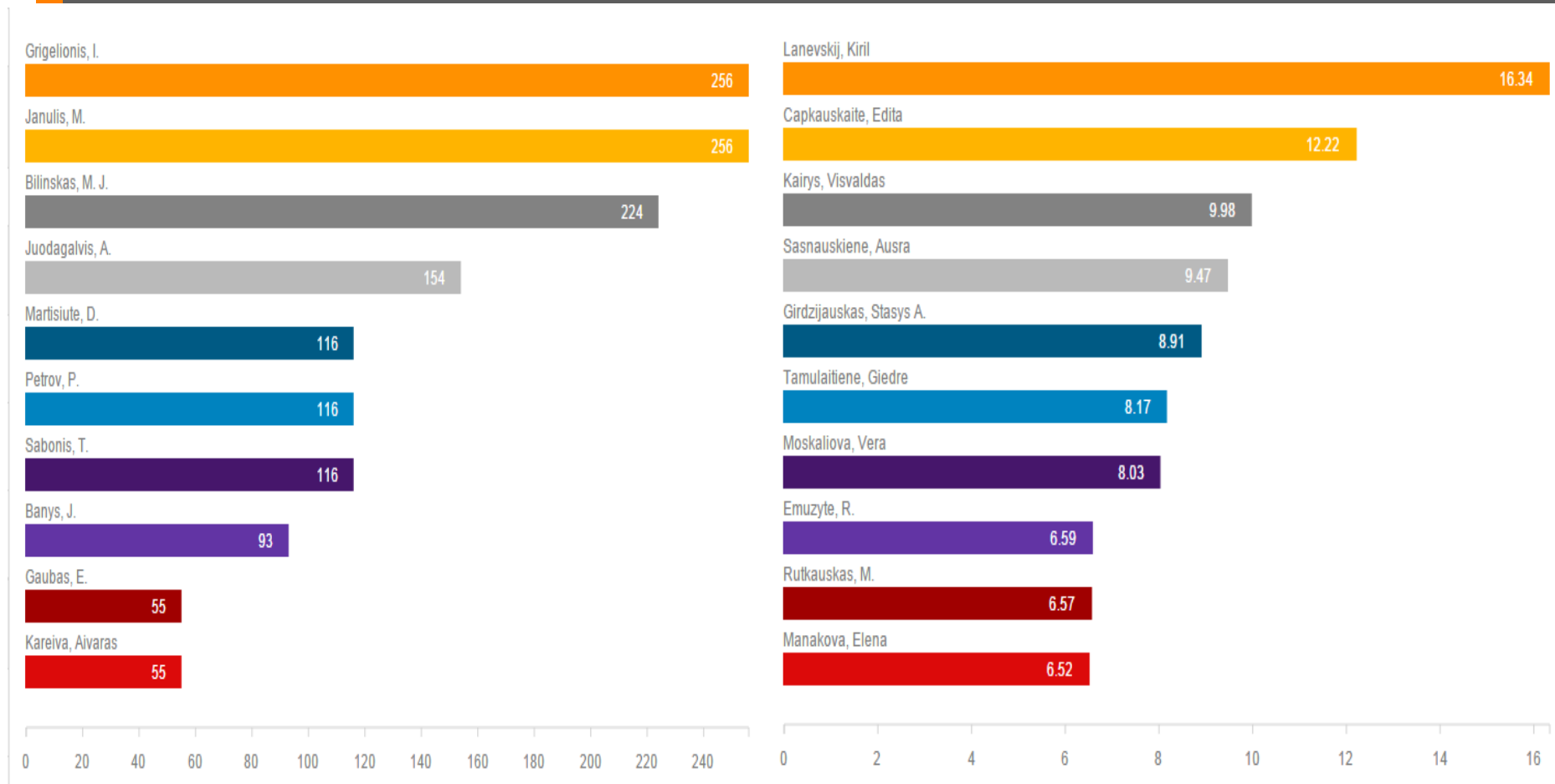


Analyzing Institution Research output by affiliated authors



Zukauskas, J. Dielectric properties of a novel high absorbing

Analyzing Institution Research output by affiliated authors



Top performing researchers at Vilnius University in terms of Web of Science Core Collection documents number

Top performing researchers by Category Normalized Citation Impact. Analysis include a threshold of minimum 4 papers.

Incites:

A *powerful* combination of filters

Organization Name =

sofia

Medical University Sofia

Military Medical Academy Sofia

Technical University Sofia

University of Sofia

Location =

Rank

Association =

Collaborations with People

Collaborations with Organizations

• Collaborations with Locations

× FRANCE × POLAND

× CZECH REPUBLIC

Document Type

• Research Area

Schema

OECD

Research Area

× 1 NATURAL SCIENCES

× 2 ENGINEERING AND TECHNOLOGY

Journal

Open Access

Publisher

Thresholds

• Web of Science Documents

Min: 500 Max: 48,000

• Times Cited

Min: 5 Max: 70

By Time

• Time Period

Min: 2007 Max: 2011

Filter the world's publications by:
Organization, Organization type, location,
association, author names/profiles,
document types, journals, Open Access,
Publishers.

Sliders to limit results using tresholds and
time period

Who are the *recently* heavily cited *authors* in the specific *category*?

Should we contact these authors? Should we publish them or ask them to be reviewers?

• Location

=

x LITHUANIA

• Research Area

Schema

OECD

Research Area

x 2.1 Nano-technology

• Web of Science Documents

Min: 10 Max: 4,327

• Time Period

Min: 2009 Max: 2014

Name	Rank	Affiliation	Web of Science Documents	Category Normalized Citation Impact	Times Cited	% Docs Cited	h-index	▼ % Documents in Top 10%
Zavadskas, Edmundas Kazi...	1	Vilnius Gediminas Te...	17	3.12	204	59%	6	41.18%
Nemuraite, Lina	2	Kaunas University of ...	21	1.96	63	76%	4	19.05%
Verikas, A.	3	Kaunas University of ...	12	1.38	96	83%	4	16.67%
Bacauskiene, Marija	4	Kaunas University of ...	10	0.72	31	60%	3	10%
Sakalauskas, Leonidas	4	Vilnius University	10	0.48	28	50%	3	10%
Jusas, Vacius	6	Kaunas University of ...	12	0.81	16	42%	2	8.33%
Verikas, Antanas	6	Kaunas University of ...	12	0.62	34	58%	3	8.33%
Bareisa, Eduardas	8	Kaunas University of ...	16	0.13	17	31%	3	0%
Damasevicius, Robertas	8	Kaunas University of ...	17	0.48	20	47%	3	0%
Kriksciuniene, Dalia	8	Vilnius University	14	0.2	2	14%	1	0%



THOMSON REUTERS™

Thank you!

Please contact us for more informations:

Marcin Kapczyński

Phone: +48 22 653 97 52

Mob: +48 693 06 01 93

marcin.kapczynski@thomsonreuters.com

Marcin Kozakowski

Phone: +48 (22) 653 97 86

Mob.: + 48 661 510 151

marcin.kozakowski@thomsonreuters.com



THOMSON REUTERS™