

연구성과 분석 솔루션 -SciVal 매뉴얼-



2014
Elsevier Korea
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Agenda



- Scopus
- SciVal - 기관차원
 - How to login
 - Overview
 - Benchmark
 - Collaboration
- SciVal - 개인차원
 - Research Areas
 - Researchers and Groups



- Peer-Reviewed된 연구문헌 정보를 제공하는 **초록 및 인용 데이터베이스**
- 전 세계 5,000여 개 이상의 출판사에서 출판되는 21,800여종 이상의 타이틀 수록 (과학, 기술, 의학, 사회과학, 인문, 예술 분야)
- 논문별 인용정보: 연구과정을 지원하기 위해 논문별 인용정보 제공
- Author Profile : 각 저자의 논문, 피인용, 참고문헌. H-Index 제공
- Affiliation Profile: 기관의 논문을 그룹핑. 기관의 연구성과 분석, 논문, 저자, 특허, 주제정보, 연구협력기관
- Journal Analyzer: 개별 저널 평가 및 분석. 논문, 피인용도, SJR, SNIP 지수 제공

Scopus

Search | Sources | Analytics | Alerts | My list | Settings

Quick Search Search

Back to results | 1 of 12 Next >

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Seoul National University

Name	Seoul National University	
Affiliation ID	60013682	
Address	San 56-1 Sillim-dong Seoul, Seoul South Korea	
Name variants	Seoul National University	

Research

Documents	78,101	+ Add to my list Set alert Set feed
Authors	26,985	
Web results	35	
Patent results	1,484	
Sources	802	Applied Physics Letters
	782	Physical Review Letters
	704	Archives of Pharmacal Research
	693	Journal of the Korean Physical Society
	608	Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Int
	View more...	

[Find potential affiliation matches](#)

Collaborating affiliations

Affiliation name	Documents
Korea University	2,580
Sungkyunkwan University	2,186
Seoul National University, College of Medical Sciences	2,110
Yonsei University	2,055

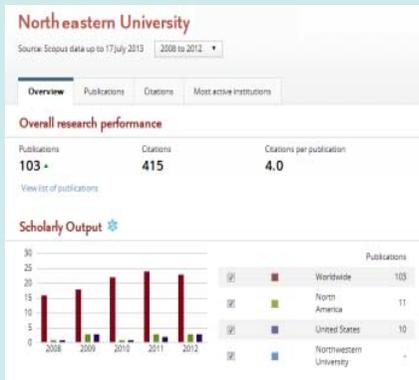
SciVal - 전략적인 의사결정 및 계획



SciVal: Scopus를 기반으로 한 연구성과 분석 솔루션

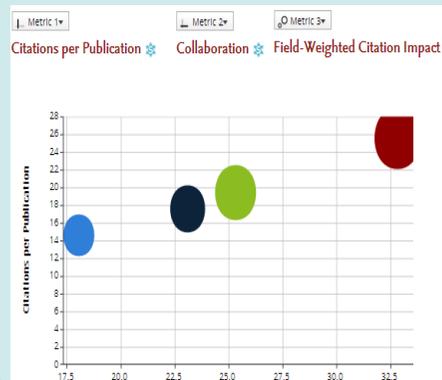
Performance Overview Module

선택한 기관의 성과평가를 위한 연구성과 분석 결과



Benchmarking Module

20개의 연구성과 분석 메트릭스를 통해 연구 팀, 연구자간의 성과 분석, 평가



Collaboration Analysis Module

현재의 연구협력현황과 앞으로의 연구협력 기회 분석



What?

How?

- 표준화된 형식의 리포트
- 4,600개 기관, 220개 국의 연구성과 분석결과

- 연구자, 연구팀의 특징에 따라 적합한 평가 메트릭스를 활용
- 연구전략 수립을 위한 상대적인 장점, 강점 확인

- 전세계 지도를 통한 협력현황 시각화
- 해당 기관과의 연구 협력에 기반한 협력기관 랭킹



How to Login

접속: <http://www.scival.com>

1

SciVal

Login

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2

3

SciVal

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[Overview](#)

[Benchmarking](#)

[Collaboration](#)

[My SciVal](#)

My SciVal

Researcher and Groups

Publication Sets and Groups

Research Areas and Groups

Define a Research Area

Name	Last updated	Actions
My Research Area - 10 January 2014	10 January 2014	Delete Shortcuts ▾
My Research Area - 14 November 2013	26 November 2013	Delete Shortcuts ▾
My Research Area_5November2013	15 November 2013	Delete Shortcuts ▾

5

- 1) www.scival.com 으로 접속
- 2) 기존의 ScienceDirect, Scopus 아이디가 있는 경우 기존 아이디와 패스워드 입력하여 접속
- 3) 기존의 SD, Scopus 가 없으신 경우, “Register Now”를 클릭하여 계정 생성
- 4) Register를 클릭한 화면으로 이름, 이메일, 패스워드 입력하여 계정 생성완료
- 5) My SciVal: 계정 생성 후, 개인이 저장한 키워드나 연구자, 연구팀의 셋팅 관리

Register

Registration is quick and easy. You can stay up-to-date with Search Alerts and Document Citation Alerts or keep track of your research with Saved Searches.

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First name:

Family name:

E-mail and password

Enter a password between 5 and 20 characters. Your e-mail address will be your username

E-mail address:

Password:

Confirm password:

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This is the image used to represent you to other users.

You may upload any appropriate image to represent yourself. The display size for this image may be up to 100 x 100 pixels. This image can be a gif, jpg, png file.

Upload Image

Your job

Registration link가 안 보이는 경우:

<https://www.scival.com/customer/authenticate/loginfull>



SciVal

Home

Performance Overview

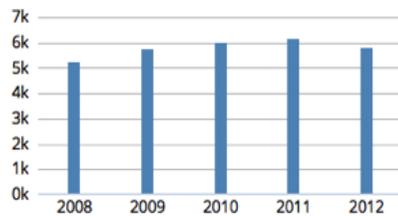
Benchmarking

Collaboration Analysis

1

Let SciVal help you put your research performance in perspective

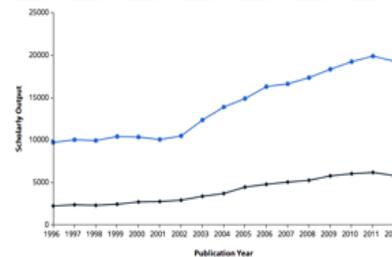
Performance Overview



Get a high-level overview of the research performance of your Institution, other Institutions, Countries and Groups of Researchers.

[Performance Overview >](#)

Benchmarking



Benchmark any Institutions, Research Areas, Countries, and Researchers using a wide variety of metrics.

[Benchmarking >](#)

Collaboration Analysis



Explore the collaboration network of your Institution, other Institutions and Researchers.

[Collaboration Analysis >](#)

Create Research Areas

3

A Research Area is a field of research defined by you. It can represent a strategic priority, an emerging area of science, or any other topic of interest.

Once you have created a Research Area you can view its performance dashboard, benchmark it against other areas, or identify collaborators in that area.

ELSEVIER

[Create a new Research Area >](#)
[View my existing Research Areas >](#)
[Read more about Research Areas >](#)

1), 2) 주요모듈 선택: Performance Overview(연구성과분석), Benchmarking, Collaboration Analysis(연구협력현황 분석)
3) 연구관심분야, 키워드를 셋팅하여 관련 동향 분석

Overview Module



SciVal

Home Overview

View overview of:

Institutions and Groups

- Ewha Womans University
- Gwangju Institute of Science and Technology
- Korea Advanced Institute of Science and Technology
- Yonsei University
- Pusan National University
- Pohang University of Science and Technology
- Ulsan National Institute of Science and Technology
- Kyungpook National University
- Hanyang University
- Yale University
- Sungkyunkwan University
- Korea University
- Seoul National University**
- Massachusetts Institute of Technology
- California Institute of Technology
- Kyung Hee University
- University of Tokyo
- Tsinghua University
- Peking University
- Harvard University

[+ Add Institutions and Groups](#)

Researchers and Groups

Publication Sets and Groups

Countries and Groups

Countries and Groups

- Sweden
- Canada
- Netherlands
- United States
- Japan
- France
- Germany
- United Kingdom
- Korea (Republic of)**

[+ Add Countries and Groups](#)

Research Areas and Groups

- Overview: 4,600개 기관 220개 국가의 연구성과 분석
 - Institution
 - Summary
 - Publication
 - Citation
 - Competencies
 - Countries

Overview Module



SciVal

Home Overview **Benchmarking** Collaboration

View overview of:

1 Institutions and Groups

- Seoul National University
- Ewha Womans University
- Yonsei University

2 harvard
Harvard University

Researchers and Groups

Publication Sets and Groups

3 united states
United States
United States Minor Outlying Islands

- Korea Advanced Institute of Science and Technology
- Seoul National University**
- Massachusetts Institute of Technology

4 Research Areas and Groups

- My Research Area - 14 November 2013
- My Research Area_5November2013

+ Add Research Areas and Groups

Seoul National University

Korea (Republic of) | Scopus affiliation ID: 60000656...
Source: Scopus data up to 05 Dec 2013 | 2010 to 2013 | no filter selected

Summary Publications Citations Collaboration Competencies

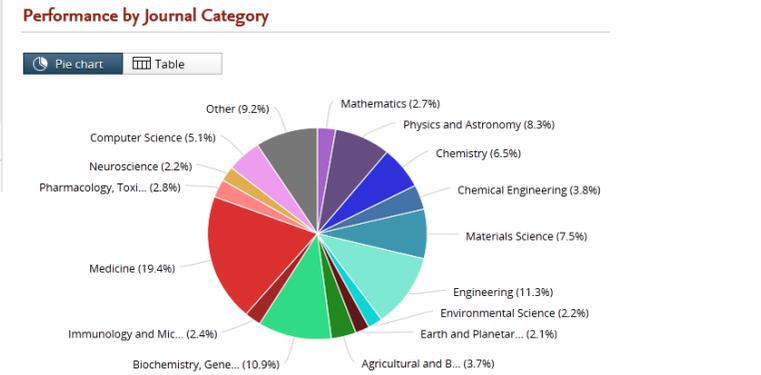
Overall research performance

Publications: 31,330 ▲
Authors: 24,099 ▲
Citations: 127,258

[View list of publications](#)

Performance by Research Area

Research Area	Publications	Citations	Authors
My Research Area - 14 November 2013	2,527 ▲	16,781	3,700
My Research Area_5November2013	33 ▼	277	79
My Research Area - 10 January 2014	0	-	-



Visualize research performance

연구기관, 국가, 연구 그룹(팀, 학과), 주제별의 연구 경향에 대한 포괄적인 분석

Performance Overview

1) Institutions and Groups: 전세계 주요 연구기관 4,600개 기관 검색하여 해당 기관별 연구성과 분석. 예) Harvard와 같이 기관명 입력하여 추가

2) Researchers and Groups: 연구자와 연구자별 그룹 생성하여 연구성과 비교 분석, 학과별의 성과 분석 가능. 연구자별 등록은 Benchmarking 에서만 가능하며, 등록연구자의 그룹핑은 Overview에서도 가능

3) Countries and Groups: 220개 국의 연구성과 분석. 예) United States 검색하여 추가하고 연구성과 분석

4) Research Areas and Groups: 관심 연구주제 및 키워드 등록하여 관련 경향 분석

5) 왼쪽의 메뉴에서 선택한 내용이 화면 중간에서 보여짐

Overview - Summary



Seoul National University

Korea (Public of) | Scopus affiliation ID: 6000... Show all

Source: Scopus data up to 05 Dec 2013 | 2010 to 2013 | no filter selected

- 3 years 2010 to 2012
- 3 years + current year 2010 to 2013
- 3 years + current year + beyond current year 2010 to >2013
- 4 years 2008 to 2012
- 5 years + current year 2008 to 2013
- 5 years + current year + beyond current year 2008 to >2013

- no filter selected
- no filter selected
- ▶ Agricultural and Biological Sciences
- ▶ Arts and Humanities
- ▶ Biochemistry, Genetics and Molecular Biology
- ▶ Business, Management and Accounting
- ▶ Chemical Engineering
- ▶ Chemistry
- ▶ Computer Science
- ▶ Decision Sciences
- ▶ Dentistry
- ▶ Earth and Planetary Sciences
- ▶ Economics, Econometrics and Finance
- ▶ Energy
- ▶ Engineering
- ▶ Environmental Science
- ▶ Health Professions
- ▶ Immunology and Microbiology
- ▶ Materials Science

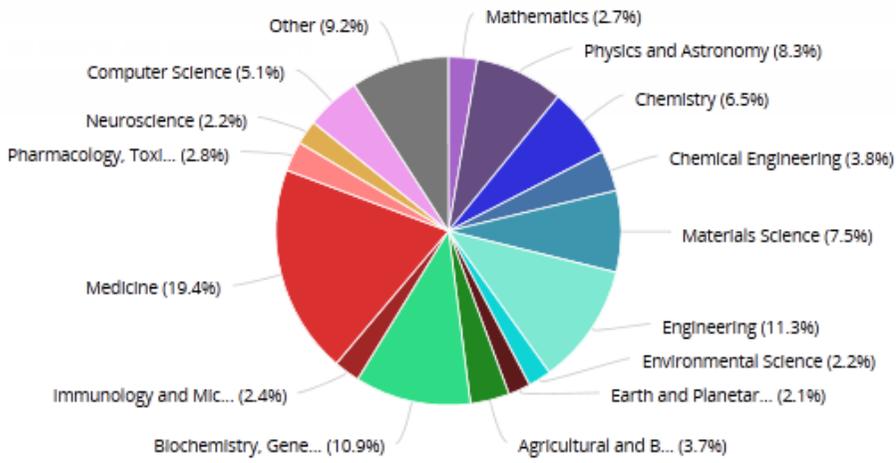
Summary | Publications | Citations | Collaboration | Competence

Overall research performance

Publications	Authors	Citations	Citations per Publication
31,330 ▲	24,099 ▲	127,258	4.1

Performance by Journal Category

Pie chart | Table



Performance Overview
 4,500여 기관의 연구성과 분석을 리포트와 같이 쉽게 반출
 1)Source 확인: Scopus에서 데이터 반출일 확인
 2)연도 선택 (3년, 4년, 5년, 6년 등)
 3)주제선택(27개 주제와 이에 따른 330개 상세 주제)하여 해당 주제별 현황 분석
 4)연구성과 분석결과 요약, 출판물 현황, 인용현황, 협력현황, 연구역량 등 탭을 선택하여 데이터 확인
 5)논문 건 수, 저자 수, 인용, Citation Per Publication 확인
 6)주제별 논문 발표현황

Overview - Summary



Performance by Journal Category

Export ▾

Pie chart | **Table**

Journal Category	Publications	Citations	Authors	FWCI
▼ Seoul National University	31,330 ▲	127,258	24,099 ▲	1.27
▶ Medicine	10,514 ▲	44,188	10,875 ▲	1.27
▶ Engineering	6,087 ▲	17,929	6,362 ▲	1.44
▶ Biochemistry, Genetics and Molecular Biology	5,875 ▲	32,110	7,910 ▲	1.26
▶ Physics and Astronomy	4,473 ▲	23,085	4,407 ▲	1.56
▶ Materials Science	4,081 ▲	19,664	4,392 ▲	1.57
▶ Chemistry	3,532 ▲	20,420	4,168 ▲	1.43
▶ Computer Science	2,763 ▲	4,782	2,702 ▲	1.21
▶ Chemical Engineering	2,046 ▲	12,232	3,047 ▲	1.56
▶ Agricultural and Biological Sciences	1,976 ▲	7,198	2,866 ▲	1.20
▶ Pharmacology, Toxicology and Pharmaceutics	1,503 ▲	6,547	2,334 ▲	1.09
▶ Mathematics	1,458 ▲	3,131	1,485 ▲	1.34
▶ Immunology and Microbiology	1,313 ▲	6,371	2,047 ▲	1.31
▶ Neuroscience	1,217 ▲	5,213	1,700 ▲	0.94
▶ Environmental Science	1,164 ▲	4,840	1,496 ▲	1.18
▶ Earth and Planetary Sciences	1,133 ▲	4,474	889 ▲	0.99
▶ Energy				
▶ Social Sciences				
▶ Dentistry				
▶ Nursing				
▶ Veterinary				
▶ Business, Management and Accounting				
▶ Health Professions				
▶ Arts and Humanities				
▶ Economics, Econometrics and Finance				
▶ Psychology				
▶ Multidisciplinary				
▶ Decision Sciences	154 ▲	371	163 ▲	1.08

Performance by Subject: 2008-2012 년을 선택한 경우;
 1) 4년 동안 발표된 출판물의 주제별 분석 현황 27개 주제와 330개 주제별로 분석
 2) Publications: 논문 발표건수 확인
 3) Citations: 인용현황
 4) FWCI: 같은 해, 동일 주제, 동일한 형태(리뷰, 아티클) 등에 따른 인용을 측정하여 표준화한 저널의 영향력 지수, 평균: 1, 1을 기준으로 평균 이상, 이하 판단

Overview - Summary (Top authors)



Top authors

Top 5 at Seoul National University, by

	Publications	Citations	<i>h</i> -Index *
Kim, H.S.	164	1,679	79
Lee, J.-H.	157	362	40
Kim, S.B.	155	2,825	69
Jeon, E.J.	136	1,641	49
Lee, B.	136	601	18

* *h*-Index is based on an author's publications from 1996 onwards

Top collaborating Institutions

by number of publications co-authored with Seoul National University

Institution	Co-authored publications	Citations received for co-authored publications	Co-authors
1. Sungkyunkwan University	1,693	10,796	1,821
2. Korea University	1,466	8,407	1,466
3. Yonsei University	1,408	8,419	1,642
4. University of Ulsan	1,076	6,156	1,031
5. Hanyang University	949	4,650	765
6. Kyungpook National University	921	6,313	907
7. Chonnam National University	762	6,436	803
8. Kyung Hee University	712	2,816	733
9. Ewha Womans University	710	3,896	752
10. Catholic University of Korea	672	3,389	678

Kim, H.S.

Scopus author ID: 34769900900 | [View In Scopus](#)

Publications
2,105

Citations
38,042

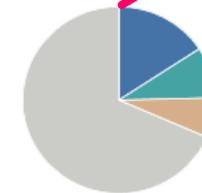
Data from Scopus 2010-2013

Citations per Publication
18.1

h-Index
79

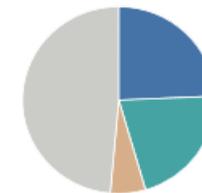
[View list of publications](#)

Publications by Journal Category



- General Physics and Astronomy (15.8%)
- Nuclear and High Energy Physics (8.8%)
- Condensed Matter Physics (7.0%)
- Other (68.5%)

Publications by Journal



- 1) 우리기관에서 선택한 기간 동안 가장 많은 논문을 발표한 저자 5명 정보와 해당 데이터 확인
- 2) 저자이름 링크 클릭하면, 저자의 상세정보 확인
- 3) View in Scopus 클릭하여 저자의 Scopus 페이지로 이동
- 4) 선택 기간 동안 연구협력이 가장 많은 기관과 해당 데이터 확인

Overview - Publication



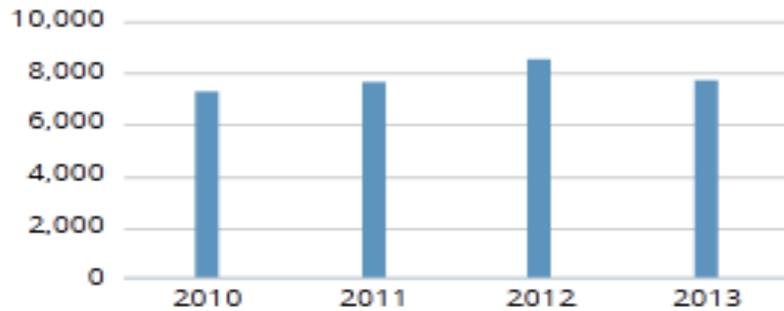
1 **Publications** Citations Collaboration Competencies 6

Overall by Journal Category by journal Export Shortcuts

Scholarly Output

2

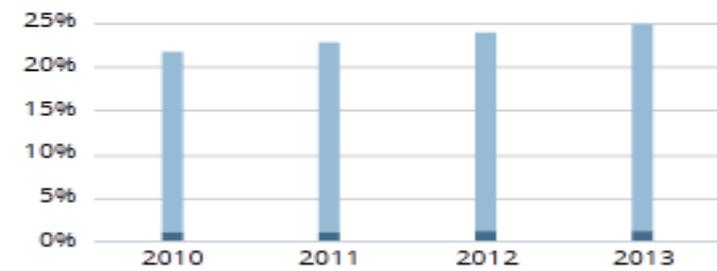
31,330 publications



Publications in Top Journal Percentiles

4

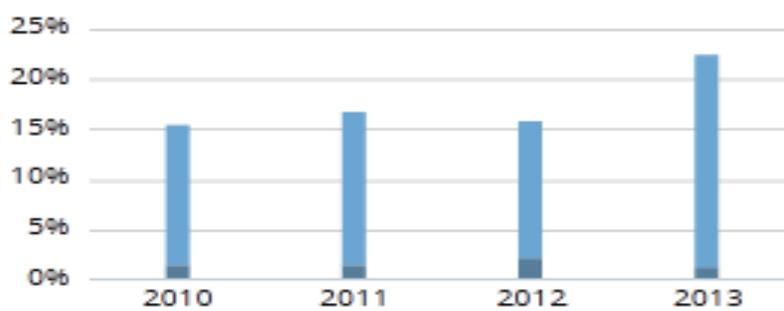
Share of publications at Seoul National University that ar



Outputs in Top Percentiles

3

Share of publications at Seoul National University that ar



Most cited publications

Top 5 publications at Seoul National University

- 5
- Publication: Kwak, E.L. et al. Anaplastic lymphoma kinase inhibitor in metastatic breast cancer. [View In Scopus](#)
 - Publication: Bang, Y.-J. et al. Trastuzumab in combination with pertuzumab for HER2-positive gastric cancer (ToGA): A phase 3, open-label, randomised controlled trial. [View In Scopus](#)
 - Publication: Teslovich, T.M. et al. Biological, clinical and environmental risk factors for coronary artery disease. [View In Scopus](#)
 - Publication: Abe, K. et al. Indication of electrocatalytic hydrogen evolution reaction on a carbon nanotube electrode. [View In Scopus](#)
 - Publication: Kwon, D.-H. et al. Atomic structure of the human mitochondrial cytochrome b gene. [View In Scopus](#)

1) Publications: 우리학교의 출판물 데이터 전체, 저널의 주제별, 저널별로 논문 출판현황 분석
 2) 선택한 연도별 논문 출판현황
 3) 전세계 논문 대비 우리기관의 상위 1% 논문, 상위 10% 논문 비율
 4) 영향력 지수 높은 저널 기준으로 상위 1%, 10% 저널에 발표한 논문 비율
 5) 인용을 가장 많이 받은 우리학교 논문 5편 확인
 6) Export: 데이터 다운로드

Overview - Citation



1 Citations

2 Citation Count

3 Citations per Publication

4 Field-Weighted Citation Impact

5 Overall research performance
Seoul National University

Year range: 2010 to 2013

Filtered by: not filtered

Types of publication: all publication types

Self-citation: included

Data source: Scopus

Date last updated: 5 December 2013

Date exported: 13 January 2014

	Overall	2010	2011	2012	2013
Publications	31330	7289	7712	8543	7786
Citations per publication	17.2				
Total citations	127258	58547	40276	24822	3613
Authors	24099	8473	9009	10253	12115
Authors (grouped)	21				
Citations per author	4.1	8	5.2	2.9	0.5
Field-Weighted Citation Impact	1.27	1.29	1.3	1.4	1.06

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- 1) Citations: 인용현황 분석
- 2) Citation Count: 4년 동안의 인용현황 분석
- 3) Citation Per Publication: 논문별 인용건수
- 4) FWCI: 같은 해, 동일 주제, 동일한 형태(리뷰, 아티클) 등에 따른 인용을 측정하여 표준화한 저널의 영향력 지수, 평균: 1, 1을 기준으로 평균 이상, 이하 판단
- 5) 해당 데이터 엑셀파일로 다운로드

Overview - Collaboration



Summary	Publications	Citations	1 Collaboration	Competencies
Overall		Top collaborating Institutions		

Collaboration

Publication output of Seoul National University, by amount of international, national, and institutional co-authorship



- 26.6% International collaboration**
8,334 publications (26.6%) were co-authored with Institutions in other countries
Citations per Publication: 6.5
- 38.2% National collaboration**
11,977 publications (38.2%) were co-authored with other Institutions in the Korea (Republic of), but not with institutions in other countries
Citations per Publication: 3.6
- 32.4% Institutional collaboration**
10,156 publications (32.4%) were co-authored with others at Seoul National University, but not with other Institutions
Citations per Publication: 2.9
- 2.8% Single authorship**
863 publications (2.8%) were not co-authored but had a single author
Citations per Publication: 1.4

Academic-Corporate Collaboration

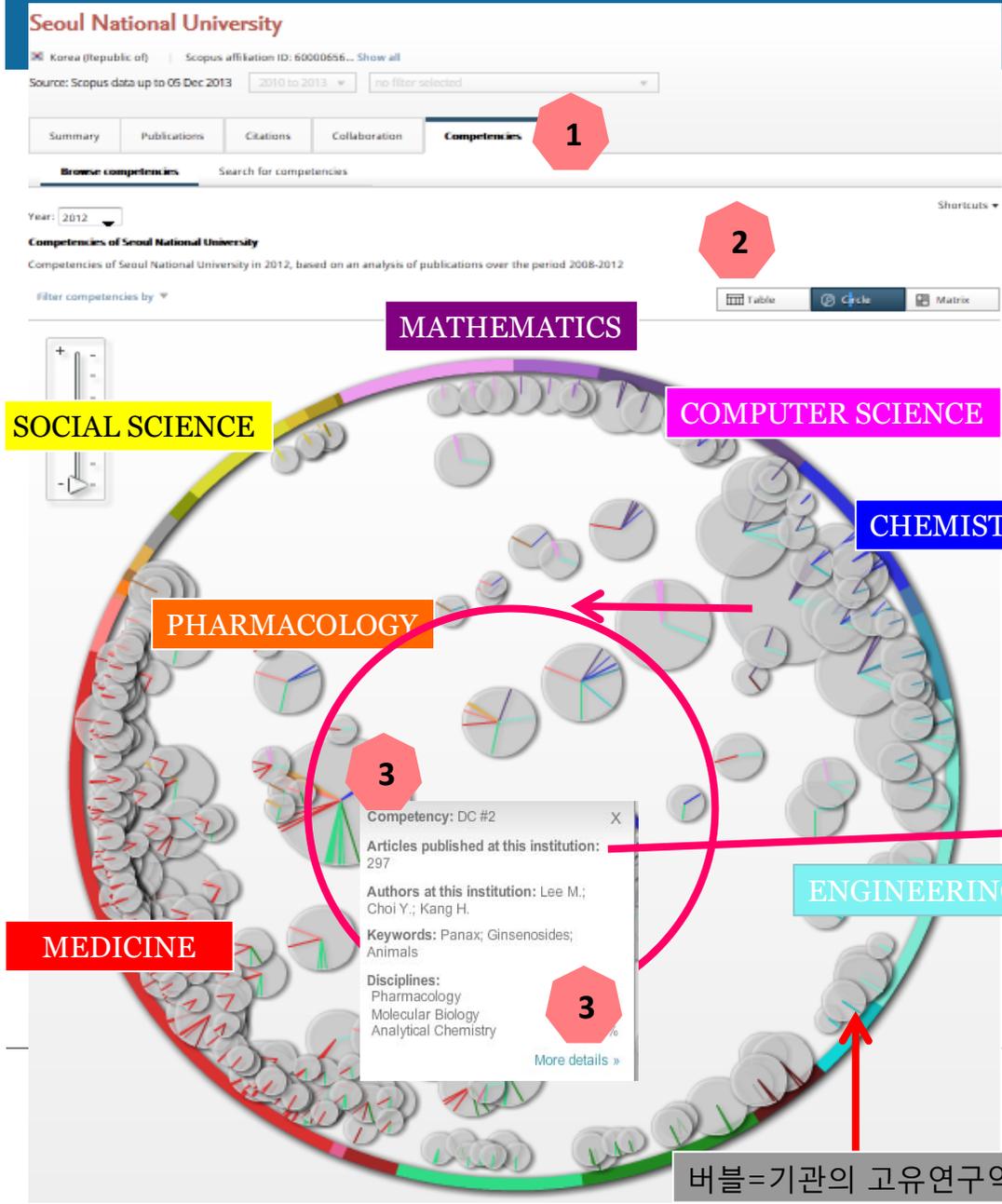


- 4.1% Academic-corporate collaboration**
1,282 publications (4.1%) had one or more authors with both academic and corporate affiliations
Citations per Publication: 8.6
- 95.9% No academic-corporate collaboration**
30,048 publications (95.9%) did not have authors with both academic and corporate affiliations
Citations per Publication: 3.9

1) Collaboration: 연구협력현황 분석
 2) 협력현황 데이터: 국제적인 기관들과의 연구협력, 국내기관과의 연구협력, 우리기관내의 연구 협력 등의 현황과 협력에 따른 Citation Per Publication 데이터 확인
 3) 연구협력 현황 Academic 기관과 corporate 기관으로 분류하여 해당 협력과 이에 따른 영향력 결과 분석



Overview - Competencies (연구역량)



우리 학교는 어떤 주제 분야에 장점이 있는가?

- 1) Competencies: 5년간의 논문 데이터를 기반으로 우리 기관의 연구역량 분석. 전세계 어떤 기관과 비교해서도 우리 기관이 잘하고 있는 분야 분석
- 2) 연구역량을 맵, 테이블, 매트릭스를 통해 분석
- 3) 각 연구역량을 클릭하여 역량별 상세정보 확인. 키워드, 저자, 저널, 학문 분야에 대한 정보 확인

Competency DC #2
Panax; Ginsenosides; Animals

Summary	Trends	Disciplines	Institutions	Authors
Based on an analysis of publications over the period 2008-2012, SciVal has identified DC #2 as a distinctive competency of Seoul National University				
See why this field is a distinctive competency of Seoul National University				
Articles published in this field (2008-2012)				
	Articles	Annual growth	Citations	
Articles published worldwide	7,847	-3.9%	81,397	
Articles published in the Korea (Republic of)	934	-8.2%	5,498	
Articles published at Seoul National University	297	-2.7%	2,090	

Show the contribution to this field from:

- Seoul National University
- all contributing institutions worldwide

Top keywords for Seoul National University

- Pharmacokinetics
- Panax
- Area Under Curve
- Rats, Sprague-Dawley
- Animals
- Administration, Oral
- Rats
- Ginsenosides
- Microsomes, Liver
- Metabolism

Top authors from Seoul National University

- Lee M.
- Choi Y.
- Kang H.
- Lee J.
- Park J.
- Lee J.
- Shin W.
- Yang K.
- Sun J.
- Jung Y.

Top disciplines for Seoul National University

- Pharmacology
- Analytical Chemistry
- Molecular Biology
- Cancer Research
- Drug Discovery

Top journals for Seoul National University

- Xenobiotica; the fate of foreign comp...
- Journal of Pharmacy and Pharmacology
- Biopharmaceutics and Drug Disposition
- Archives of Pharmacal Research
- British Journal of Pharmacology

버블=기관의 고유연구역량

Overview - Competencies (연구역량)



Seoul National University

Korea (Republic of) | Scopus affiliation ID: 60000656... Show all

Source: Scopus data up to 05 Dec 2013 | 2010 to 2013 | no filter selected

Summary | Publications | Citations | Collaboration | **Competencies**

Browse competencies | Search for competencies

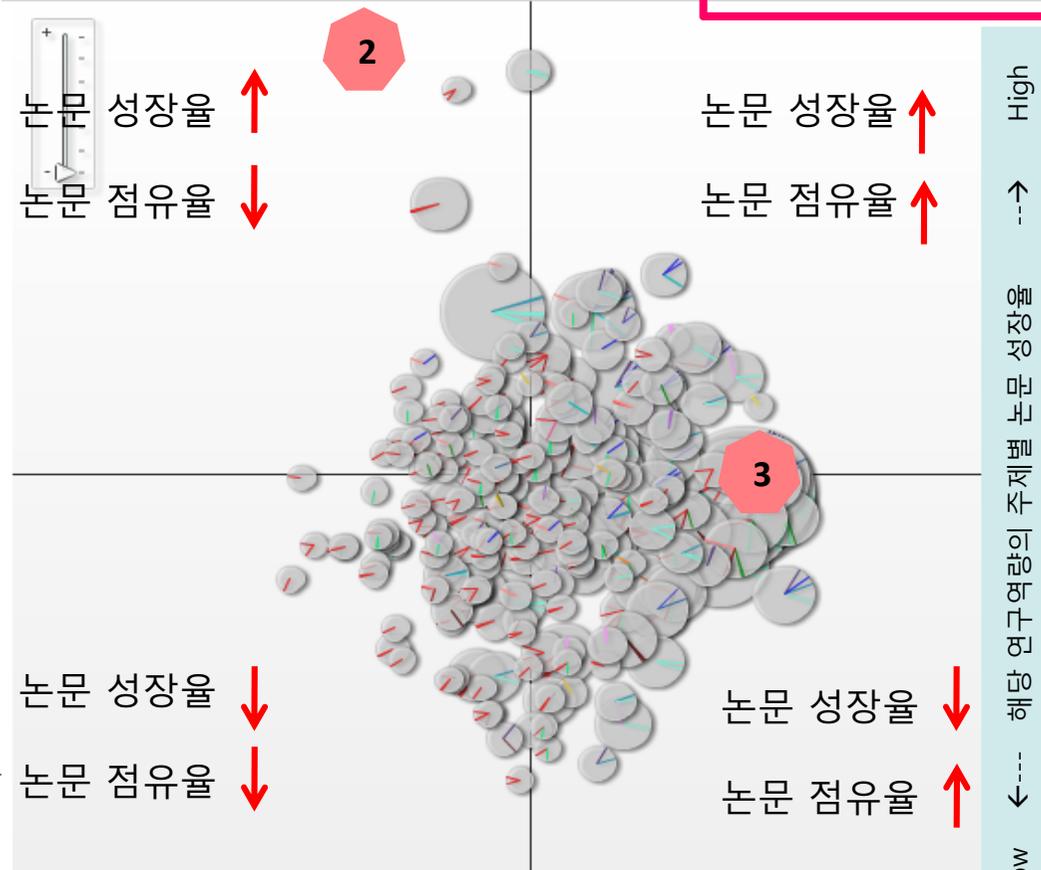
Year: 2012

Competencies of Seoul National University

Competencies of Seoul National University in 2012, based on an analysis of publications over the period 2008-2012

filter competencies by

1 [Table] [Circle] [Matrix]



Low ←--- 서울대학교의 논문 점유율 (전 세계 대비) ---→ High

우리학교는 어떤 주제 분야에 장점이 있는가?

- 1) 연구역량을 매트릭스를 통해 확인
- 2) 개별 연구역량 별, 성장율, 점유율 확인하여 해당 연구역량에 맞는 전략 수립
- 3) 역량 클릭하여 상세 정보 확인
- 4) 테이블 형태로 연구역량 브라우징

Year: 2012

Competencies of Seoul National University

Competencies of Seoul National University in 2012, based on an analysis of publications over the period 2008-2012

Filter competencies by

4 [Table] [Circle] [Matrix]

ID	Keywords	Most active authors	Publications	Citations
DC #1	Stomach Neoplasms; Neoplasms; Survival	Bang Y., Im S., Oh D.	222 [▲]	2,818
DC #2	Panax; Ginsenosides; Animals	Lee M., Choi Y., Kang H.	297 [▼]	2,090
DC #3	Helicobacter pylori; Helicobacter infections; Pylorus	Kim N., Jung H., Song I.	110 [▼]	1,074
DC #4	Switching; Data storage equipment; Films	Hwang C., Park B., Han J.	245 [▲]	1,973
DC #5	Stem Cells; Myocardial Infarction; Tissue Therapy	Kang H., Park Y., Kim H.	69 [▼]	782
DC #6	Flash memory; Data storage equipment; Embedded systems	Paek Y., Shin I., Koh K.	100 [▲]	237
DC #7	Gastrectomy; Stomach Neoplasms; Laparoscopy	Kim H., Park D., Lee H.	73 [▲]	784
DC #8	Bone Marrow; Stem Cells; Mesenchymal Stem Cell Transplantation	Kim B., Bhang S., La W.	87 [▲]	839
DC #9	Breast; Breast Neoplasms; Ultrasonography; Mammary	Cho N., Chang J., Moon W.	56 [▲]	324
DC #10	Platelet Aggregation Inhibitors; Ticlopidine; Blood Platelets	Chae I., Park K., Koo B.	43 [▲]	272
EC #11	Thin film transistors; Zinc oxide; Threshold voltage	Han M., Han M., Kwon J.	138 [▲]	422
DC #12	Plasmons; slits; polaritons	Kim D., Seo M., Ahn K.	122 [▼]	750
DC #13	TRPV Cation Channels; Acne Vulgaris; Skin	Chung J., Cho T., Kim Y.	90 [▼]	1,034
DC #14	Monophenol Monooxygenase; Melanins; Microphthalmia-Associated Transcription Factor	Kim S., Park K., Kim H.	133 [▲]	552
DC #15	Tuberculosis; Latent Tuberculosis; Tuberculin Test	Lee S., Yim J., Song K.	35 [▲]	148
DC #16	Throughput Radio; Wireless networks	Kim C., Choi Y., Kwon T.	47 [▲]	103

Overview - Country / Institution



View overview of:

- Institutions and Groups
- Researchers and Groups
- Publication Sets and Groups
- Countries and Groups**
- Research Areas and Groups

Sweden
 Canada
 Netherlands
 United States
 Japan
 France
 Germany
 United Kingdom
 Korea (Republic of)
[+ Add Countries and Groups](#)

1

Korea (Republic of)

Source: Scopus data up to 05 Dec 2013 2008 to 2012 no filter selected

[Summary](#)
[Publications](#)
[Citations](#)
[Competencies](#)
[Institutions](#)

2

Institutions in the Korea (Republic of)

Below is a list of Institutions in the Korea (Republic of):

Export

Institution	Publications	Citations	Authors
1. Seoul National University	35,989	266,841	22,890
2. Yonsei University	21,830	153,579	14,242
3. Korea University	18,556	124,501	11,439
4. Sungkyunkwan University	16,806	124,080	10,861
5. Korea Advanced Institute of Science and Technology	16,505	104,516	9,445
6. Hanyang University	13,828	73,193	8,447
7. Kyung Hee University	10,840	60,298	6,662
8. Pusan National University	10,439	55,310	7,306
9. Kyungpook National University	10,291	66,604	6,779
10. Pohang University of Science and Technology	8,729	76,233	4,970
11. University of Ulsan	8,323	62,056	5,849
12. Chonnam National University	8,236	54,814	5,570
13. Chungnam National University	8,030	39,890	5,159
14. Inha University	7,512	40,384	4,524
15. Konkuk University	7,311	40,616	4,657
16. Chonbuk National University	7,192	42,215	4,974
17. Catholic University of Korea	6,871	40,598	5,416
18. Samsung	5,753	25,051	7,068
19. Korea Institute of Science and Technology	5,623	40,516	3,205
20. Chung-Ang University	5,615	26,227	3,581
21. Electronics and Telecommunications Research Institute	5,435	16,319	3,332
22. Ewha Womans University	5,315	45,366	3,350
23. Ajou University	5,284	30,247	3,480
24. Chungbuk National University	5,174	24,925	3,499
25. Gyeongsang National University	5,150	30,804	3,472
26. Kangwon National University	4,827	27,707	2,682
27. Gwangju Institute of Science and Technology	4,680	32,224	2,374
28. Yeungnam University	4,645	24,397	2,700
29. Inje University	4,181	22,125	3,173

3

1) Countries 에서 대한민국 검색하여 한국의 연구성과 분석 결과를 개별 연구기관과 같이 확인
 2) Institution 클릭하면 한국 기관별의 논문, 인용 건수 확인. Publication 클릭하면 논문 확인



Benchmarking Module



SciVal

Home

Overview

Benchmarking

View metrics for:

Benchmarking

Institutions and Groups

- Ewha Womans University
- Gwangju Institute of Science and Technology
- Korea Advanced Institute of Science and Technology
- Yonsei University
- Pusan National University
- Pohang University of Science and Technology
- Ulsan National Institute of Science and Technology
- Kyungpook National University
- Hanyang University
- Yale University
- Sungkyunkwan University
- Korea University
- Seoul National University**
- Massachusetts Institute of Technology
- California Institute of Technology
- Kyung Hee University
- University of Tokyo
- Tsinghua University
- Peking University
- Harvard University
- [+ Add Institutions and Groups](#)

Researchers and Groups

Publication Sets and Groups

Countries and Groups

Research Areas and Groups

- BenchMarking: : 4,600개 기관
220개 국가의 연구성과를 15개의
메트릭스를 통해 비교 분석
 - Institution
 - Researchers and Group
 - Countries

Benchmark



Benchmark your progress

The screenshot shows the SciVal Benchmarking interface. On the left, a list of institutions is shown under 'Institutions and Groups', with 'Seoul National University' selected. Below this are sections for 'Researchers and Groups', 'Publication Sets and Groups', 'Countries and Groups', and 'Research Areas and Groups'. The main area is titled 'Benchmarking' and shows 'Source: Scopus data up to 2013'. A date range selector is set to '1996 to >2013'. A dropdown menu for 'no filter selected' is open, showing a list of research areas. The 'Scholarly Output' metric is selected for the y-axis, and a sub-menu for 'Include:' is open, showing 'All publication types' selected. The x-axis is also set to 'Scholarly Output'.

- 벤치마킹 기능을 통해 15개의 평가 지표로 경쟁기관과의 연구성과 비교 분석
- 1) Institution: 성과 비교분석을 원하는 기관 선택
 - 2) Countries: 비교분석 원하는 국가 선택
 - 3) 바 그래프를 통해 분석연도 선택
 - 4) 분석 주제 선택 (27개, 330개 주제)
 - 5) 분석 매트릭스 선택
 - 6) 논문의 형태, 아티클, 리뷰 등으로 제한하여 연구성과 분석

Benchmark

Benchmarking

Source: Scopus data up to 05 Dec 2013

1996 to 2014

no filter selected

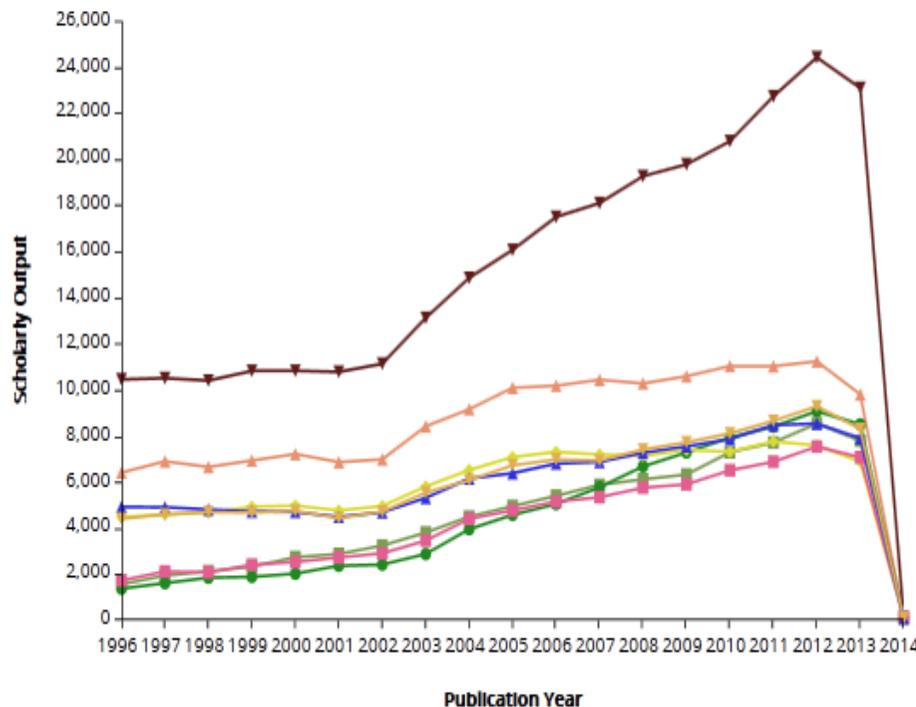
Chart

Table

Export

Scholarly Output

Publication Year



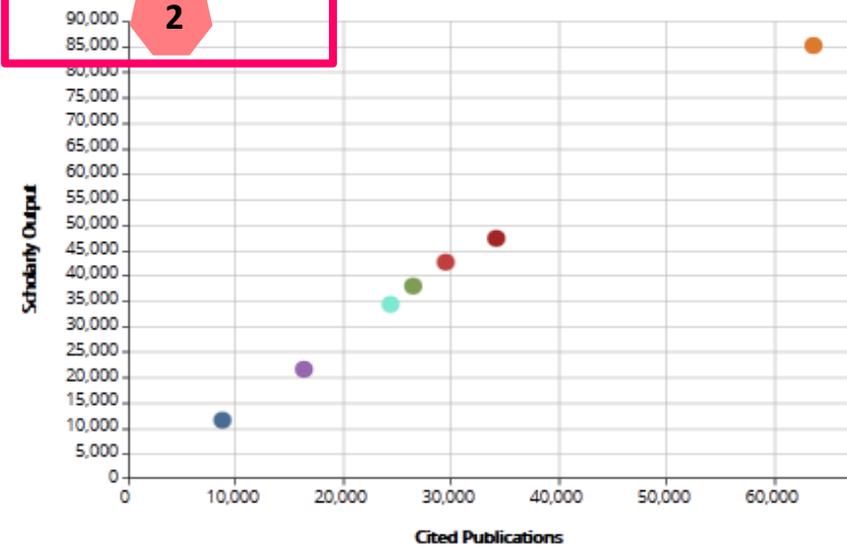
Seoul National University University of Tokyo Harvard University
 Peking University Kyoto University National University of Singapore
 Imperial College London University of Cambridge

Chart

Table

Scholarly Output

Cited Publications



Ewha Womans University Korea Advanced Institute of Science and Technology
 Korea University Pohang University of Science and Technology
 Seoul National University Sungkyunkwan University Yonsei University

Data source: Scopus

Date last updated: 5 December 2013

Date exported: 10 January 2014

Metric name: Specific me Self-citation Types of pu Other of
 Scholarly C - All publica -

Name	Scholarly Output Overall	1996	1997	1998	1999	2000	2001	2002	2003	2004
Ewha Wom	11553	142	170	174	231	240	316	350	524	622
Korea Adva	42642	1282	1471	1411	1562	1705	1694	1696	1948	2278
Korea Univ	37940	398	507	590	651	735	907	975	1315	1640
Pohang Uni	21577	437	559	634	710	745	861	880	1122	1148
Seoul Natic	85253	1567	1941	2127	2328	2743	2879	3242	3811	4491
Sungkyunkw	34328	235	351	364	522	717	853	939	1300	1492
Yonsei Univ	47311	656	901	976	1090	1199	1397	1510	1819	2266

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- 1) 하나의 메트릭스 선택하여 분석결과 확인
- 2) 2개 메트릭스 선택하여 분석결과 확인
- 3) 그래프 수치 및 그래프 다운로드

Benchmark



Benchmarking

Source: Scopus data up to 05 Dec 2013

1996 to 2014

Multidisciplinary

Chart Table

y-axis

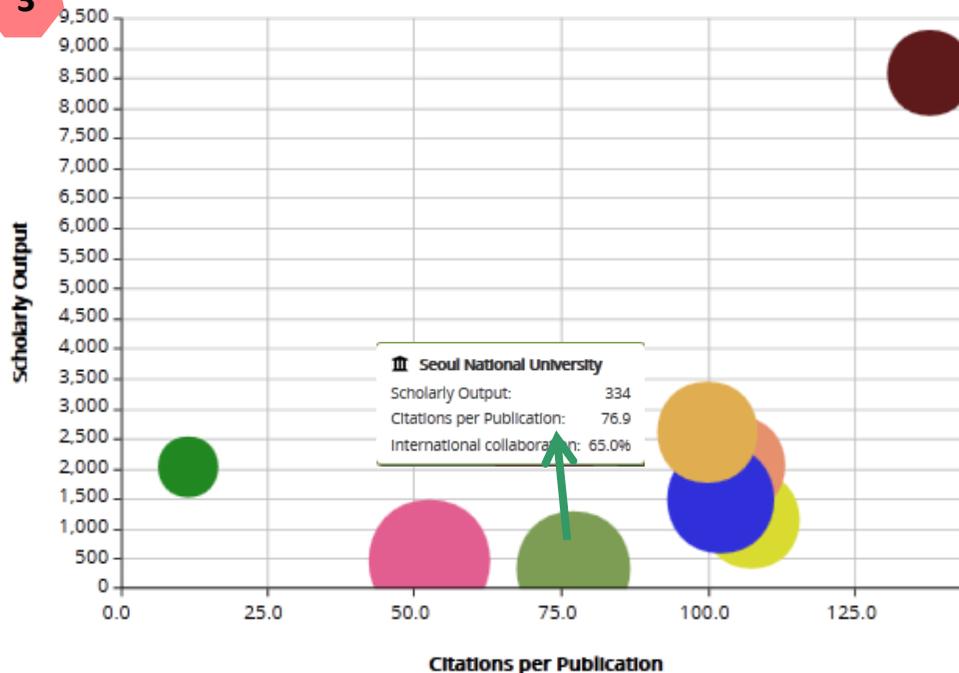
Scholarly Output

x-axis

Citations per Publication

Bubble size

Collaboration



- Peking University
- Seoul National University
- University of Cambridge
- Kyoto University
- National University of Singapore
- University of Tokyo
- Imperial College London
- Harvard University

Collaboration

Percentage of institutional, national and international co-authorship.

Show as:

- International collaboration
- National collaboration
- Institutional collaboration
- Single authorship

Show as:

- Percentage
- Absolute number

Include:

All publication types

Choose as bubble size

View a third metric

Change to a different metric below:

- Academic-Corporate Collaboration
- Academic-Corporate Collaboration Impact
- Citation Count
- Citations per Publication
- Cited Publications
- Collaboration**
- Collaboration Impact
- Field-Weighted Citation Impact
- h-Indices
- Journal Category Count
- Journal Count
- Number of Citing Countries
- Outputs in Top Percentiles
- Publications in Top Journal Percentiles
- Scholarly Output
- Don't show a third metric

Benchmark 예시

- 1)기간선택: 2009-2013년
- 2)주제: 다학제 주제 (Multidisciplinary) 선택
- 3)메트릭스 1: 논문 출판 건수
- 4)메트릭스 2: 논문 한편당 인용건수
- 5)메트릭스 3: 버블 크기로 국제적인 연구협력논문의 비율 선택, 원 크기가 클수록 연구협력 비율 높음.

Benchmark



Benchmarking

Source: Scopus data up to 05 Dec 2013

2008 to 2013

Energy

Chart

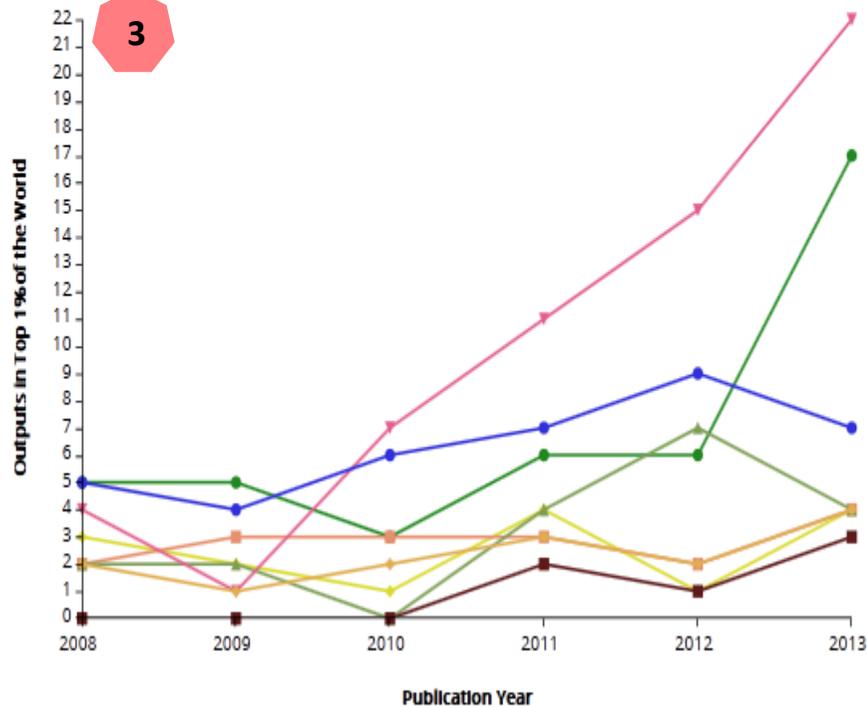
Table

y-axis

x-axis

Outputs in Top Percentiles

Publication Year



- Peking University
- Kyoto University
- University of Tokyo
- Seoul National University
- National University of Singapore
- Imperial College London
- University of Cambridge
- Harvard University

Metric 1

Metric 2

Outputs in Top Percentiles

Publication Year

Outputs in Top 1% of the World

Name	2008	2009	2010	2011	2012	2013
Harvard University	0	0	0	2	1	3
Imperial College London	5	4	6	7	9	7
Kyoto University	3	2	1	4	1	4
National University of Singapore	4	1	7	11	15	22
Peking University	5	5	3	6	6	17
Seoul National University	2	2	0	4	7	4
University of Cambridge	2	1	2	3	2	4
University of Tokyo	2	3	3	3	2	4

Publications at Seoul National University that fall within the top 1% most cited publications worldwide (2013)

4 publications

Authors

All authors

- Hwa, Y.
- Sohn, H.-j.
- Amaresh, S.
- Aravindan, V.
- Cha, M.

5

Count	Publication Title	Author(s)
2	Modified SiO as a high performance anode for Li-Ion batteries	Hwa, Y. et al.
2	View abstract View in Scopus	
1	Synthesis of SnO2 nano hollow spheres and their size effects in lithium ion battery anode application	Kim, W.-S. et al.
1	View abstract View in Scopus	
1	Energy efficient growth control of microalgae using photobiological methods	Jeong, H. et al.

Benchmark 예시

- 1) 기간선택: 2009-2013년
- 2) 주제: "Energy" 선택 (27개, 330개 중 선택)
- 3) 메트릭스 1: Top percentiles 1% 선택 (1%, 5%, 10%, 25% 중 선택): 해당 분야 전세계 상위 1%에 포함되는 우리기관의 논문 건수
- 4) 테이블 형태로 논문 건수 확인
- 5) 2013년 91편 클릭하여 해당 논문 확인

Collaboration Module



SciVal

Home Overview **Benchmarking** Collaboration

View collaboration by:

Institutions and Groups

- Seoul National University
- Ewha Womans University
- Gwangju Institute of Science and Technology
- Korea Advanced Institute of Science and Technology
- Yonsei University
- Pohang University of Science and Technology
- Ulsan National Institute of Science and Technology
- Hanyang University
- Sungkyunkwan University
- Korea University
- Massachusetts Institute of Technology
- California Institute of Technology
- University of Tokyo
- Harvard University
- Peking University
- National University of Singapore
- Kyoto University
- Imperial College London
- University of Cambridge
- [+ Add Institutions and Groups](#)

Researchers and Groups

Publication Sets and Groups

Countries and Groups

Research Areas and Groups

Collaboration by Seoul National University

Korea (Republic of) | Scopus affiliation ID: 60000656... [Show all](#)

Source: Scopus data up to 05 Dec 2013 | 2010 to 2012 | Energy

Current collaboration Potential collaboration

Map Table

3 years	2010 to 2012
3 years + current year	2010 to 2013
3 years + current year + beyond current year	2010 to >2013
5 years	2008 to 2012
5 years + current year	2008 to 2013
5 years + current year + beyond current year	2008 to >2013

- no filter selected
- no filter selected
- ▶ Agricultural and Biological Sciences
- ▶ Arts and Humanities
- ▶ Biochemistry, Genetics and Molecular Biology
- ▶ Business, Management and Accounting
- ▶ Chemical Engineering
- ▶ Chemistry
- ▶ Computer Science
- ▶ Decision Sciences
- ▶ Dentistry
- ▶ Earth and Planetary Sciences
- ▶ Economics, Econometrics and Finance
- ▶ Energy
- ▶ Engineering
- ▶ Environmental Science
- ▶ Health Professions
- ▶ Immunology and Microbiology
- ▶ Materials Science
- ▶ Mathematics
- ▶ Medicine
- ▶ Multidisciplinary
- ▶ Neuroscience
- ▶ Nursing
- ▶ Pharmacology, Toxicology and Pharmaceutics
- ▶ Physics and Astronomy
- ▶ Psychology
- ▶ Social Sciences
- ▶ Veterinary

■ Collaboration:

- Current Collaboration: 현재의 연구협력 현황.
- Potential Collaboration: 앞으로의 연구협력 기회 분석
- 전 세계 4,600개 기관의 협력현황 데이터 분석
- 3년, 4년, 5년, 6년간의 기간 선택하여 협력현황 분석
- 주제별로 선택하여 협력현황 분석



ELSEVIER

Collaboration - Current Collaboration



View collaboration by:

Institutions and Groups

- Seoul National University
- Ewha Womans University
- Gwangju Institute of Science and Technology
- Korea Advanced Institute of Science and Technology
- Yonsei University
- Pohang University of Science and Technology
- Ulsan National Institute of Science and Technology
- Hanyang University
- Sungkyunkwan University
- Korea University
- Massachusetts Institute of Technology
- California Institute of Technology
- University of Tokyo
- Harvard University
- Peking University
- National University of Singapore
- Kyoto University
- Imperial College London
- University of Cambridge
- [+ Add Institutions and Groups](#)

Researchers and Groups

Publication Sets and Groups

Collaboration by Seoul National University

Korea (Republic of) | Scopus affiliation ID: 60000656... Show all

Source: Scopus data up to 05 Dec 2013

2010 to 2013

Engineering

Current collaboration

Potential collaboration

Map

Table

Export

Worldwide 731 collaborating institutions 3,699 co-authored publications

- 1) 기관명 검색
- 2) 연도와 주제분야 선택
- 3) 현재의 연구협력현황 분석 (지도, 테이블 형태선택)
- 4) 지도상에서의 협력 건수 분석
- 5) 대륙별 숫자 클릭하여 상세한 협력현황 분석
- 6) 앞으로의 연구협력 기회 분석

Collaboration - Current Collaboration



Collaboration by Seoul National University

Korea (Republic of) Scopus affiliation ID: 81903130, Seoul, SNU

Source: Scopus data up to 05 Dec 2013 2010 to 2013 Engineering

Institutions collaborating with Seoul National University

Top 100 collaborating Institutions, by number of publications co-authored with Seoul National University

Region: North America Country: All countries

Institution	Co-authored publications	Co-authors at Seoul National University	Co-authors at the other Institution	Citations
Stanford University	44 ▲	67 ▲	42 ▲	418
University of Illinois at Urbana-Champaign	32 ▼	65 ▼	54 ▼	246
University of Southern California	29 ▲	13	19 ▲	176
Massachusetts Institute of Technology	28 ▼	84 ▼	41 ▲	297
Georgia Institute of Technology	27 ▼	43 ▼	32 ▼	81
Harvard University	26 ▼	69 ▼	54 ▼	237
University of Texas at Austin	26 ▼	28 ▼	41 ▼	216
University of Maryland	25 ▲	12 ▲	27 ▲	78
University of Michigan	25 ▲	89 ▲	35 ▼	124
University of California at Los Angeles	19 ▲	46 ▼	20 ▲	43
University of Wisconsin	19 ▲	42 ▲	26 ▲	115
The Ohio State University	17 ▼	36 ▼	24	267
Purdue University	17 ▼	49 ▼	32 ▼	174
University of California at Berkeley	17	32 ▲	24 ▼	203
University of Texas at Dallas	16 ▲	37 ▲	19 ▲	123
Lawrence Berkeley National Laboratory	14 ▲	37 ▲	33 ▲	349
University of Pennsylvania	14 ▲	24 ▲	22 ▲	29

Data set: Institutions collaborating with Seoul National University
 Entity: Seoul National University
 Year range: 2010 to 2013
 Filtered by: Engineering
 Types of publication types: Self-citation included

Data source: Scopus
 Date last updated: 5 December 2013
 Date exported: 13 January 2014

Institution	Country	Co-authored publications	Co-authored at Seoul National University	Co-authored at other Institution	Citations	Field-Weighted Citations	Field-Weighted Citations per Publication
Stanford University	United States	44	67	42	70	418	2.42
University of Illinois at Urbana-Champaign	United States	32	65	54	-52.2	246	7.7
University of Southern California	United States	29	13	19	200	176	6.1
Massachusetts Institute of Technology	United States	28	84	41	20	297	10.6
Georgia Institute of Technology	United States	27	43	32	-25	81	3
Harvard University	United States	26	69	54	-54.5	237	9.1
University of Texas at Austin	United States	26	28	41	-52.9	216	8.3
University of Maryland	United States	25	12	27	125	78	3.1
University of Michigan	United States	25	89	35	-14.3	124	5
The Ohio State University	United States	19	46	20	166.7	43	2.3
Purdue University	United States	19	42	32	26	200	115
The Ohio State University	United States	17	36	24	0	267	15.7
Purdue University	United States	17	49	32	-83.3	174	10.2
University of California at Los Angeles	United States	17	32	24	-75	203	11.9
University of Wisconsin	United States	16	600	37	1300	19	700
Lawrence Berkeley National Laboratory	United States	14	37	33	100	349	24.9
University of California at Berkeley	United States	14	50	24	33.3	29	2.1
University of Pennsylvania	Canada	13	0	17	33.3	102	7.8
Brown University	United States	13	18	24	-	25	1.9
Northwestern University	United States	13	48	-61.9	21	-10	41
University of Texas at Dallas	United States	13	7	66.7	13	66.7	113
University of Texas at Austin	United States	13	300	36	72.7	12	500
University of California at Berkeley	United States	13	300	36	72.7	12	500
University of California at Berkeley	Canada	12	-100	25	-100	14	-100

현재의 연구 협력현황 분석

- 1) 기간, 주제 선택
- 2) 전세계, 아시아, 유럽 등 대륙과 국가 선택
- 3) 기간, 주제, 국가에 따른 리스트 확인하고 해당 기관 클릭하여 협력과 관련된 상세 정보 확인
- 4) 해당 데이터 엑셀로 다운로드

Current Collaboration - Detail information



Collaboration with Stanford University

Within: Engineering | Year range: 2010 to 2013

Overview Co-authors

Seoul National University

67 ▲ co-authors with Stanford University

Total output of this institution

Publications	6,087 ▲
Authors	6,362 ▲
Citations	17,929
Citations per Publication	2.9
Field-Weighted Citation Impact	1.44

2

44 ▲

co-authored publications

[View list of publications](#)

Citations	418
Citations per Publication	9.5
Field-Weighted Citation Impact	2.42

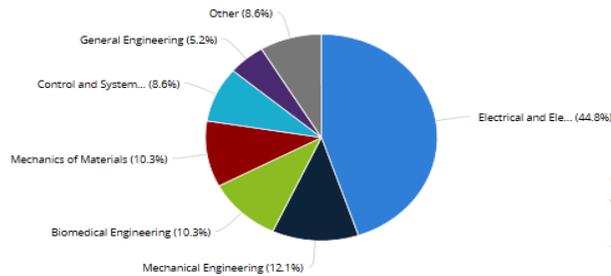
Stanford University

42 ▲ co-authors with Seoul National University

Total output of this institution

Publications	4,709 ▼
Authors	4,654 ▲
Citations	31,152
Citations per Publication	6.6
Field-Weighted Citation Impact	3.05

Co-authored publications by Journal Category



Collaboration with Stanford University

Within: Engineering | Year range: 2010 to 2013

Overview Co-authors

Seoul National University

Co-authors with Stanford University

Author	Co-authored publications	Citations
▶ Park, B.-G.	12	16
▶ Hong, K.S.	7	34
▶ Sun, M.-C.	4	13
▶ Yim, D.K.	3	25
▶ Kim, J.S.	3	20
▶ Kim, D.H.	3	6
▶ Kim, J.	3	6
▶ Shin, H.	3	6
▶ Kim, H.-J.	3	2
▶ Koo, B.-K.	2	18
▶ Song, H.J.	2	17
▶ Roh, H.-S.	2	12
▶ Shin, Y.G.	2	11
▶ Lee, C.W.	2	9
▶ Park, J.H.	2	6

Stanford University

Co-authors with Seoul National University

Author	Co-authored publications	Citations
▶ Cho, S.	15	34
▶ Harris, J.S.	9	26
▶ Cho, I.-S.	7	34
▶ Park, B.-G.	4	21
▶ Kamins, T.I.	3	15
▶ Horowitz, M.	3	6
▶ Gerdes, J.C.	2	5
▶ Jungkunz, A.F.	2	5
▶ Gabareen Mokhtar, A.	1	182
▶ Baker, J.C.	1	71
▶ Chiao, E.	1	71
▶ Khatib, O.	1	44
▶ Feinstein, J.A.	1	11
▶ Honda, Y.	1	7
▶ Otake, H.	1	7

특정 기간과 우리학교와의 연구협력 현황 분석
 1)전체 협력현황 혹은 협력 저자 정보 중 선택
 2)우리기관, 협력기관의 해당 주제분야 논문, 인용 분석과 협력논문 및 그 인용에 대한 분석
 3)협력한 저자 리스트와 논문 편수

Collaboration - Potential Collaboration



Collaboration by Seoul National University

Korea (Republic of) | Scopus affiliation ID: 60000656 | Show all

Source: Scopus data up to 05 Dec 2013

2010 to 2013 | Energy

Current collaboration | **Potential collaboration**

Map | **Table** | Export

Top 100 Institutions not yet collaborating with Seoul National University, by number of publications

Region: North America | Country: **United States**

Institution	Publications	Authors	Citations
Texas A and M University	1,458	1,355	2,979
Pacific Northwest National Laboratory	75	968	4,151
Purdue University	639	795	2,094
North Carolina State University	518	643	1,940

Publications at Texas A and M University (2010 to 2013)

Author	Title
Nabi, El-Gh, H.A.	The current status of hydrogen storage in metal-organic frameworks - Updated
Maslan, Y.A.	Oxides of nitrogen emissions from biodiesel-fueled diesel engines
Kezunovic, M.	On the systematic design and selection of optimal working fluids for organic Rankine Cycles
Singh, C.	Results of the brugge benchmark study for flooding optimization and history matching
Manhan, M.S.	An economic survey of hydrogen production from conventional and alternative energy sources
	n-Butane: Ignition delay measurements at high pressure and detailed chemical kinetic simulations
	Sequestering carbon dioxide in a closed underground volume
	Oxidation of C1-C3 alkane quaternary natural gas mixtures at high pressures
	Isobutane ignition delay time measurements at high pressure and detailed chemical kinetic simulations

앞으로의 연구 협력기회 분석

- 1) 기간, 주제 선택
- 2) 전세계, 아시아, 유럽 등 대륙과 국가 선택하여 연구 협력하면 좋은 기관 선택.
- 3) 선택 주제분야에 대해 우리학교와 연구협력이 없는 기관 중 논문 발표가 많은 기관리스트
- 4) 해당 기관 클릭하여 상세 정보 확인, 논문, 논문을 많이 발표한 저자 등의 정보 확인
- 5) Overview module에 기관에 "Stanford" 검색하여 해당 기관의 상세정보 파악 및 협력 기회 분석

Texas A and M University

United States | Scopus affiliation ID: 60000514 | Show all

Source: Scopus data up to 05 Dec 2013 | 2010 to 2013 | Energy

Summary | Publications | Citations | Collaboration | Competencies

Overall research performance

Publications	Authors	Citations	Citations per Publication
1,458	1,355	2,979	2.0

Performance by Journal Category

- SciVal - 개인차원
 - Research Areas
 - Researchers and Groups

SciVal을 통해 개인의 관심 분야 저장 후 실시간 분석, 본인의 연구성과 분석, 학과의 연구성과 분석을 위해 팀 구성할 수 있으며, 경쟁기관과의 업적 분석 실시간으로 가능



Build your views on the world's research

SciVal®

Overview Benchmarking Collaboration

My Research Area - 키워드



연구자의 관심분야에 대한 전세계 연구경향을 분석하여 제공

1 Define a new Research Area

2 Define a new Research Area

3 Define a new Research Area

4 Define a new Research Area

5 Define a new Research Area

My Research Area: 관심 있는 분야 키워드, 기관, 국가, 연구역량을 셋팅하면 해당 분야의 연구경향 데이터 분석하여 제공, 데이터의 양에 따라 24-48시간 소요될 수 있음. 이용자의 이메일로 알림 서비스 전송

- 1) Research Area에서 "Add" 클릭
- 2) 관심 키워드 입력하여 검색
- 3) 검색결과 확인 후, 저널, 주제 등 제한가능하며, 다음 단계로 이동
- 4) 저장된 결과 확인
- 5) 저장한 키워드의 연구경향 분석 결과 확인

My Research Area - 주제분야



1 Use Entities에서 "Journal Categories" 선택

2 Scopus의 주제분야, 27개, 330개 중 관심 분야 주제를 선택하여 오른쪽으로 이동

3 선택된 주제의 검색 결과로 검색값을 검토 및 삭제

4 주제분야 셋팅 마무리

5 My SciVal에서 키워드, 주제 등 개인별로 저장된 정보 확인

My Research Area: 3단계 절차에 따라 관심 주제분야 선택 및 셋팅하면 해당 주제 분야의 연구경향 데이터 분석하여 제공, 데이터의 양에 따라 24-48시간 소요될 수 있음. 이용자의 이메일로 알림 서비스 전송

- 1) Use Entities에서 "Journal Categories" 선택
- 2) Scopus의 주제분야, 27개, 330개 중 관심 분야 주제를 선택하여 오른쪽으로 이동
- 3) 선택된 주제의 검색 결과로 검색값을 검토 및 삭제
- 4) 주제분야 셋팅 마무리
- 5) My SciVal에서 키워드, 주제 등 개인별로 저장된 정보 확인

Researchers and Groups



SciVal

Home Overview **Benchmarking**

View metrics for:

- Institutions and Groups
- Researchers and Groups**
 - Hwang, Inhwan
 - Search by name
 - + Define a new Researcher
 - + Define a new Group
- Publication Sets and Groups
- Countries and Groups
- Research Areas and Groups

1

Benchmarking

Source: Scopus data up to 05 Dec 2013

Line Chart Table

2

Define a new Researcher

Combine author name variants into a single researcher

STEP 1: Search STEP 2: Select STEP 3: Save

Author Last name Initials or First name

Author surh yj

E.g., Smith E.g., J.L.

Institution Seoul National University

E.g., Ohio State University

Search

3

Define a new Researcher

Combine author name variants into a single researcher

STEP 1: Search STEP 2: Select STEP 3: Save

You searched for: Authorname (surh, yj.) and Institution (Seoul National University)

Authors Documents Subject area

Author	Documents	Subject area
<input checked="" type="checkbox"/> Surh, Young Joon Surh, Young J.	230	Medicine, Health Professions, Biochemistry, Ge Chemistry, Environmental Science, Arts and Hu
<input checked="" type="checkbox"/> Surh, Young Joon Surh, Y. J.	57	Agricultural and Biological Sciences, Pharmacol Arts and Humanities, Nursing
<input type="checkbox"/> Surh, Young Jun Surh, Young J.	1	Biochemistry, Genetics and Molecular Biology, .

Show recent documents

Previous step

4

Define a new Researcher

Combine author name variants into a single researcher

STEP 1: Search STEP 2: Select STEP 3: Review STEP 4: Save

save your researcher as Surh, Young Joon

Save and finish

5

Define a new Researcher

Combine author name variants into a single researcher

STEP 1: Search STEP 2: Select STEP 3: Review STEP 4: Save

Review list of publications associated with this Researcher

287 (of which 263 are from 1996 or later) publications associated with your selected author name variants.

Publication Title	Author(s)	Date	Source Title
<input checked="" type="checkbox"/> Oncogenic potential of Nrf2 and its principal target protein heme oxygenase-1	Na, H.-K., Surh, Y.-J.	2014	Free Radical Biology and Medicine 67, pp. 353
<input checked="" type="checkbox"/> Esculetin suppresses proliferation of human colon cancer cells by directly targeting β -catenin	Lee, S.-Y., Lim, T.-G., Chen, H., Jung, S.K., Lee, H.-J., Lee, M.-H., Kim, D.J., Shin, A., (...), Dong, Z.	2013	Cancer Prevention Research 6 (12), pp. 1356
<input checked="" type="checkbox"/> Tumor suppressor p16INK4a inhibits cancer cell growth by downregulating eEF1A2 through a direct interaction	Lee, M.-H., Choi, B.-Y., Cho, Y.-Y., Lee, S.-Y., Huang, Z., Kundu, J.K., Kim, M.O., Kim, D.J., (...), Dong, Z.	2013	Journal of Cell Science 126 (16), pp. 3796
<input checked="" type="checkbox"/> Thymoquinone inhibits phorbol ester-induced activation of NF- κ B and expression of COX-2, and induces expression of cytoprotective enzymes in mouse skin in vivo	Kundu, J.K., Liu, L., Shin, J.-W., Surh, Y.-J.	2013	Biochemical and Biophysical Research Communications 438 (4), pp. 721

Previous step Next step

Can't see a publication you think should be here? - Search for missing publications

Researchers and Groups: 연구자 검색 및 연구자별 그룹핑(학과별 그룹핑)으로 벤치마킹 모듈에서 진행

- 1) Define 선택하여 연구자 검색,
- 2) 연구자 성, 이름의 이니셜과 기관명으로 검색
- 3) 검색결과 중 프로파일이 1개 이상일때 하나로 병합
- 4) 병합된 리스트 확인 과정에서, 논문 삭제 추가한 후
- 5) 프로파일 저장

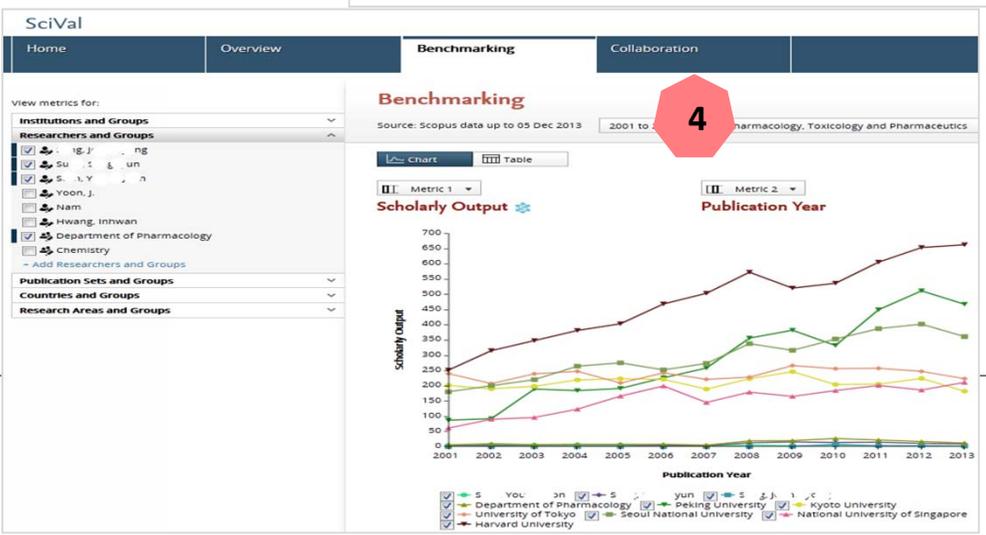
Researchers 그룹핑 (학과별 그룹핑) 및 성과 분석



SciVal

Researchers 그룹핑: 특정 학과 연구원을 그룹핑하기

- 1) Define new group of researcher 선택
- 2) 특정 그룹에 포함되어야 하는 연구자 선택 하여 그룹핑
- 3) 그룹에 대한 이름 입력 - 학과 이름으로 입력
- 4) Benchmarking에서 기간, 주제 선택한 후, 선택한 학교, 선택한 연구자, 학과의 연구성과 비교 분석. 연구업적 비교 분석 시 기관 분석과 마찬가지로 15개 지표로 분석 가능하며 연구팀 멤버를 무제한으로 추가할 수 있음





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