



InCites B&A

Web of Science 핵심 컬렉션 기반
전문 분석 솔루션



Agenda

1. InCites B&A 소개

2. 주요 분석 지수

- Normalized indicator의 이해
- 분석 목적에 따른 Indicator

3. InCitesB&A로 분석하기

- 전세계/우리나라 연구 동향 분석
- 내 연구분야 연구 동향 분석
 - Citation Topics 활용
 - Web of Science + InCitesB&A
 - 공동연구 파트너 찾기
 - 투고 저널 찾기

1

InCitesB&A 소개

Web of Science 핵심 컬렉션
+ Journal Citation Reports
+ Essential Science Indicator

InCites B&A Source data

Web of Science 핵심 컬렉션 기반 전문 분석 솔루션

Web of Science™

핵심 컬렉션 (1980년 이후)

- Science Citation Index Expanded
- Social Sciences Citation Index
- Arts & Humanities Citation Index
- Emerging Sources Citation Index
- Conference Proceedings Citation Index
- Book Citation Index

Journal Citation Reports™

21,000 + 저널

- Journal Impact Factor 를 포함한 영향력 지수

InCites Essential Science Indicators

Highly Cited Paper, Hot Paper

- Highly Cited Paper (HCP)
 - ESI 22개 연구분야 별 피인용수 상위 1% 논문 (최근 10년간 출판 논문)
 - Highly Cited Researcher (HCR)* 선정 근거
- Hot Paper (HP)
 - ESI 22개 연구분야 별 피인용수 상위 0.1% 논문 (최근 2년간 출판 논문)

ESI: 최근 10년간 SCIE/SSCI 등재지 게재된 Article, Review 논문을 22개 연구분야로 분류해 수록하는 데이터 베이스

Trusted Web of Science Core Collection data is used for InCites



2B+ linked citations



100% of author names and affiliations



15K+ disambiguated organizations



21K+ high quality journals



16.5M+ records with funding data



Publisher-neutral journal selection



254 subject categories



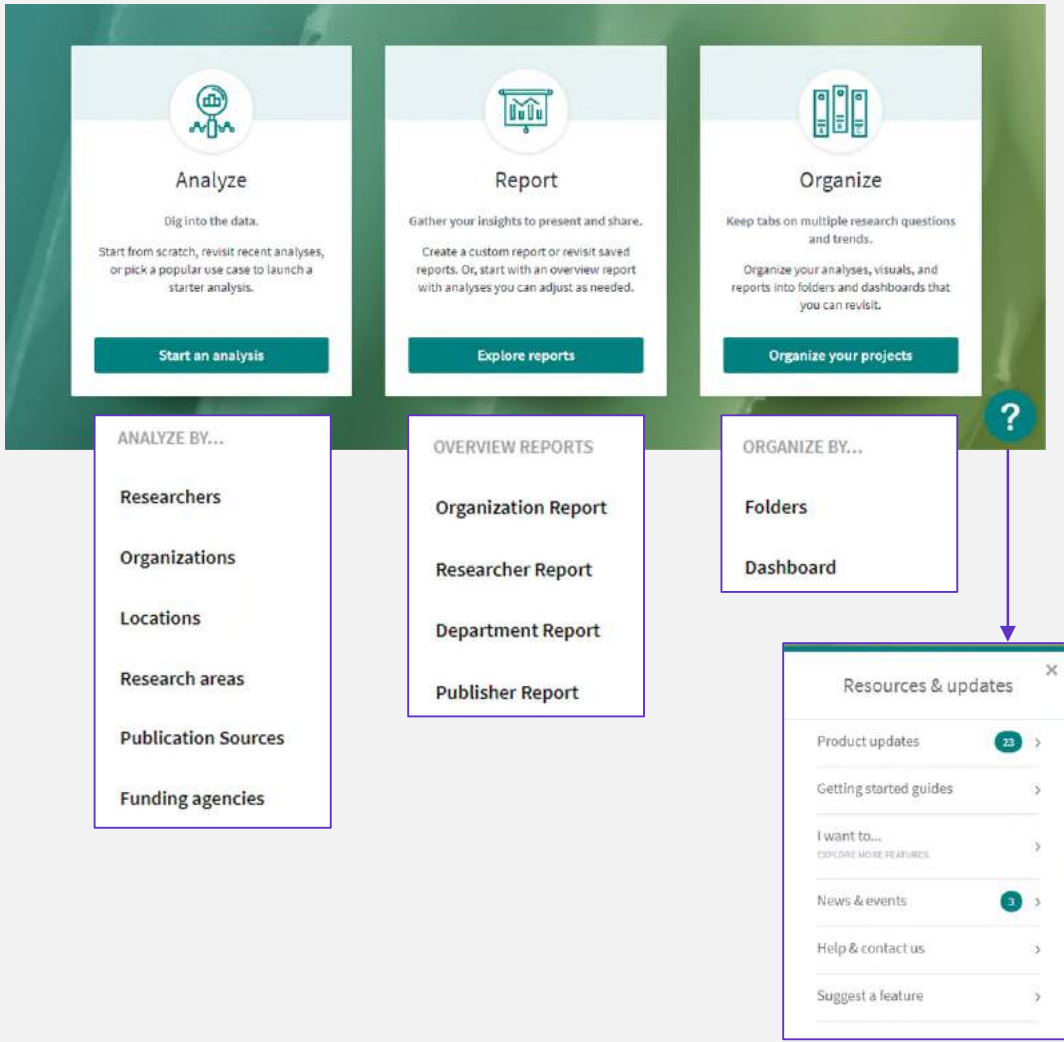
208K+ conference proceedings



123K+ books

Carefully curated metadata in Web of Science enables reliable analyses to be carried out in InCites.

InCites B&A 구성



- **Analyze**

- 원하는 조건(Entity)을 설정하여 분석
- 연구자, 기관, 국가, 연구분야, Publication Source, 연구비 지원기관

- **Report**

- 시스템 제공: 기관명, 연구자ID, 출판사명에 따른 분석 결과 제공

- **Organize**

- Web of Science에서 가져온 데이터, Custom data, 저장한 리포트, Group 등 확인

- **Resource Center**

- 어느 페이지에서나 업데이트 정보, 도움말 등 확인 가능

InCites B&A 업데이트

- 매달 2회 이상 기능 업데이트
 - Resource Center > What's New
 - Help > What's New
- Dataset 업데이트 일정
 - Help > What's New > Dataset Updates
 - 예) 3월 31일 업데이트 → 2월 28일자 Web of Science 데이터
 - 약 1달의 데이터 시점 차이

Clarivate™ InCites Help

Search

What's New

- Dataset Updates
- System Requirements
- Registration and Sign-in
- Analyze
- Report
- Organize
- Custom Datasets
- My Organization Mod
- Research Area Schem
- Indicators Handbook
- WoS Author Records
- Author Position
- Impact Profile™
- Open Access
- Product Support
- Training

What's New

- **March 16, 2023**
Increased export and custom dataset capabilities
Create custom datasets of up to 150,000 Web of Science documents by directly exporting the document set from Web of Science to InCites or by uploading the dataset. Before, the maximum custom dataset size was 50,000 records.
- + **March 1, 2023**
- **February 1, 2023**
Hot Papers and Highly Cited Papers

InCites Data Update Schedule for the Year 2023

InCites is a window into Web of Science Core Collection data. We update data in InCites monthly to include Web of Science Core Collection data extracted at the end of the previous month. The following schedule provides an overview of the upcoming InCites data releases through 2023.

Release date and time is in the USA EST time zone.

Month	Web of Science data cutoff date*	InCites data Release Date**
December	Wednesday, November 30, 2022	Friday, December 16, 2022
January	Friday, December 31, 2022	Friday, January 27, 2023
February	Monday, January 31, 2023	Friday, February 24, 2023
March	Monday, February 28, 2023	Friday, March 31, 2022
April	Thursday, March 31, 2023	Friday, April 28, 2023
May	Saturday, April 30, 2023	Friday, May 26, 2023
June	Tuesday, May 31, 2023	Friday, June 30, 2023
July	Thursday, June 30, 2023	Friday, July 28, 2023
August	Sunday, July 31, 2023	Friday, August 25, 2023
September	Wednesday, August 31, 2023	Friday, September 29, 2023
October	Friday, September 30, 2023	Friday, October 27, 2023
November	Monday, October 31, 2023	Friday, November 30, 2023
December	Wednesday, November 30, 2023	Friday, December 15, 2023

Last updated November 25, 2022

* This is the cutoff date established for the Web of Science data to be available in InCites the following month.

** Although we will adhere to these release dates throughout the year, we do reserve the right to change them due to unforeseen issues.

InCitesB&A + Web of Science

Web of Science 빠른 필터 내 HCP, HP 필터 생성

- HCP: ESI 22개 연구분야 별 피인용수 상위 1% 논문 (최근 10년간 출판 논문)
- HP: ESI 22개 연구분야 별 피인용수 상위 0.1% 논문 (최근 2년간 출판 논문)

Web of Science 검색 결과를 InCitesB&A로 저장하여 분석 가능

- Web of Science > 내보내기 > Dataset 이름 지정 후 저장
- InCites B&A > Organize > Folders > 저장된 데이터 확인 및 분석

The image illustrates the process of exporting data from Web of Science to InCites. It shows the search results page in Web of Science, where a '빠른 필터' (Quick Filter) is used to select 'Highly Cited Papers' (HCP) and 'Hot Papers' (HP). The 'Export to InCites' button is highlighted. The bottom part of the image shows the InCites interface, where the 'Folders' menu is open, showing the saved datasets 'Alex University Reports' and 'My Reports'.

InCitesB&A

+ Journal Citation Reports

Journal Citation Reports

> Publishers

- InCites B&A Publisher report로 연결
- 출판사 별 분석 보고서 확인, 다운로드, 공유 가능

Publisher name	Number of journals in 2021
Springer Nature (Unified)	2,201
Elsevier (Unified)	2,119
Taylor & Francis (Unified)	2,075
Wiley (Unified)	1,470
WILEY	1,347



Publisher Report

Understand publisher output, subject area coverage, open access and impact.

Publisher Name: Springer Nature (Unified)

Date range: 2025 - 2021

Options: Publishing Output, Open Access, Most Cited Documents, Organizational Publication Profile

Countries/Regions	Number of journals in 2021
USA	5,930
ENGLAND	4,511
NETHERLANDS	1,329
GERMANY (FED REP GER)	1,148



Publication Sources

Publication Source Name	Web of Science Documents	Times Cited	Journal Impact Factor	JIF Quartile	JIF Rank
PLOS ONE	89,547	774,037	2.752	Q2	24673
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	65,998	375	n/a	n/a	n/a
IEEE ACCESS	54,718	421,548	3.470	Q2	105,078
JOURNAL OF CLINICAL ONCOLOGY	37,744	188,788	50.717	Q1	6745

Journal Citation Reports

> Countries/regions

- InCites B&A Publication Sources 분석으로 연결
- 저널을 국가/지역을 기준으로 분석 가능

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InCitesB&A 주요 분석 지표

Normalized Indicator의 이해
분석 목적에 따른 Indicator

Category normalization이란?

- 인용수는 중요한 의미를 담고 있지만 출판물의 특성에 영향을 받을 수 있습니다. 따라서 인용수는 적절한 맥락에서 해석하는 것이 중요합니다.
- 정규화는 주제, 시기, 유형이 유사한 논문과 비교하거나, 논문 또는 논문 그룹의 성과를 보여줌으로써 인용수를 맥락에 적용하는 과정입니다.
- 정규화 지수는 편차를 반영한 숫자를 제공하기 때문에 해석도 좀 더 쉽고 학문간 비교 분석에도 쉽게 활용할 수 있습니다.



Category Normalized Citation Impact(CNCI)

Research Areas **Web of Science** *e.g. Chemistry*

Time Period: 2018-2022 Schema: Web of Science

Filters Indicators Baselines

254 research areas (16,985,021 documents)

Find in table Sorted by Web of Science Documents Add indicator Download CSV

RESEARCH AREA DETAILS

ENGINEERING, ELECTRICAL & ELECTRONIC

Web of Science Documents (View in Web of Science)

Rows Per Page 10 954,356 total documents << 1 - 10 >> Download table

Article Title	Issue	Pages	Publication Date	Times Cited ↓	Journal Expected Citations	Category Expected Citations	Journal Normalized Citation Impact	Category Normalized Citation Impact	Percentile in Subject Area	Journal Impact Factor
DeepLab: Semantic Image Segmentation with Deep Convolutional Nets, Atrous Convolution, and Fully Connected CRFs		834-848	2018	8,170	103.24	15.94	79.14	512.67	100.00	17.730
Structural defects in graphene		137-160	2018	2,465	22.60	15.94	109.09	154.68	100.00	n/a

Document Type											
Open Access	>	<input type="checkbox"/> PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH		381,332	2,148,663	61.67%	2,812	32,839	1	103,421	81,501
Authors per Document	>	<input type="checkbox"/> COMPUTER SCIENCE, INFORMATION SYSTEMS		380,396	2,117,655	62.48%	1,557	34,707	1	53,495	57,693
JIF Quartile	>										

Category Normalized Citation Impact(CNCI)

Article Title	Authors	Source	Research Area	Document Type	Publication Date	Times Cited	Journal Expected Citations	Category Expected Citations	Journal Normalized Citation Impact	Category Normalized Citation Impact
Article 1	...	A Journal	ONCOLOGY	Article	2020	8632	512.96	4.80	16.83	1797.06
Article 2	...	B Journal	ONCOLOGY	Article	2019	1247	262.91	15.68	4.74	79.74

For each article and review:

$$\text{Category Normalized Citation Impact (CNCI)} = \frac{\text{Actual citations}}{\text{Expected citations}^*}$$

*Expected citations = Average cites to items of the same document type, year, and category

Global average =1 , If>1, performs higher than average, If<1, performs lower than average.

Journal Normalized Citation Impact(JNCI)

Article Title	Authors	Source	Research Area	Document Type	Publication Date	Times Cited	Journal Expected Citations	Category Expected Citations	Journal Normalized Citation Impact	Category Normalized Citation Impact
Article 1	...	A Journal	ONCOLOGY	Article	2020	8632	512.96	4.80	16.83	1797.06
Article 2	...	B Journal	ONCOLOGY	Article	2019	1247	262.91	15.68	4.74	79.74

For each article and review:

$$\text{Journal Normalized Citation Impact (CNCI)} = \frac{\text{Actual citations}}{\text{Expected citations}^*}$$

*Expected citations = Average cites to items of the same document type, year, and Source

Global average =1 , If>1, performs higher than average, If<1, performs lower than average.

분석 지표 (Indicators)

* Analyze의 분석 대상(Entity)에 따라 제공되는 지표(Indicator) 상이

Impact	% Documents in Top 1%
	Documents in Top 1%
	% Documents in Top 10%
	Documents in Top 10%
	% Documents Cited
	Documents Cited
	Citation Impact
	1 Year Citing All Prior Years Cumulative
	H-Index
Productivity	Web of Science Documents
	Times Cited
Normalized metrics	Category Normalized Citation Impact
	Journal Normalized Citation Impact
	Impact Relative to World
	Average Percentile
Collaborations	International Collaborations
	% International Collaborations
	% Industry Collaborations
	Industry Collaboration

Open Access	All Open Access Documents
	DOAJ Gold Documents
	Other Gold Documents
	Green Accepted Documents
	Green Published Documents
	Bronze Documents
	% All Open Access Documents
	% DOAJ Gold Documents
	% Other Gold Documents
	% Green Accepted Documents
	% Green Published Documents
	% Bronze Documents
	Author positions
% Last Author (2008-2020)	
% Corresponding Author (2008-2020)	
First Author (2008-2020)	
Last Author (2008-2020)	
Corresponding Author (2008-2020)	

JCR metrics	Documents in JIF Journals
	Documents in Q1 Journals
	Documents in Q2 Journals
	Documents in Q3 Journals
	Documents in Q4 Journals
	% Documents in Q1 Journals
	% Documents in Q2 Journals
	% Documents in Q3 Journals
	% Documents in Q4 Journals
	Quartile
	Cited Half Life
	Article Influence
	Immediacy Index
ESI metrics	Eigenfactor
	5 Year Impact Factor
	Impact Factor without Self Cites
	Journal Impact Factor
	% Hot Papers
	Hot Papers
	% Highly Cited Papers
Highly Cited Papers	
ESI Most Cited	

주요 분석 지수 - 인용 기반

지수	의미
Citation Impact	논문 당 평균 인용수 $\left(\frac{\text{전체 인용수}}{\text{전체 논문수}} \right)$
CNCI (Category Normalization Citation Impact)	연구분야 기준 상대적 피인용 성과 지수 * 논문 당 인용수를 연구분야, 연도, 문서 형태에 대해 정규화한 값 (분야 세계 평균=1)
JNCI (Journal Normalization Citation Impact)	저널 기준 상대적 피인용 성과 지수 * 논문 당 인용수를 저널, 연도, 문서 형태에 대해 정규화한 값 (저널 평균=1)
% Documents in Top 1(10)%	같은 출판년도, 연구분야, 문서형태 안에서 인용수기준 상위 1(10)%에 해당하는 논문의 비율
(%) Highly Cited Paper	Highly Cited Paper의 수 (비율) * Highly Cited Papers는 최근 10년 동안 출판된 논문 중 ESI의 22개 연구분야별 상위 1% 인용을 받은 논문
(%) Hot Paper	Hot Paper의 수 (비율) * Hot Papers는 최근 2년간 출판된 논문 중 최근 2개월 동안 받은 인용수를 기준으로 ESI의 22개 연구분야별 상위 0.1%에 해당하는 논문

주요 분석 지수 - 공동연구 기반

지수	의미
(%) Industry Collaborations	기업 소속의 공저자가 포함된 논문의 수 (비율)
(%) International Collaborations	논문의 저자에 국제 공저자(소속기관)가 포함된 논문의 수 (비율)
(%) Organization only Collaborations	기관 내 공동연구 논문 수 (비율)
(%) Domestic Collaborations	같은 국가 내 다른 소속기관의 공저자가 포함된 논문 수 (비율)

주요 분석 지수 - 저자 위치

지수	의미
(%) First Author	논문의 저자 순에서 가장 처음에 위치한 저자로 참여한 논문 수 (비율) * 2008년 이후 출판 논문부터 제공
(%) Last Author	논문의 저자 순에서 가장 마지막에 위치한 저자로 참여한 논문 수 (비율) * 2008년 이후 출판 논문부터 제공
(%) Corresponding Author	교신저자로 참여한 논문 수 (비율) * 2008년 이후 출판 논문부터 제공

주요 분석 지수 – Publication Source 분석

지수	의미
Journal Impact Factor (JIF)	최신 JIF * JIF: JCR연도 직전 2개년 동안 출판된 논문이 JCR연도에 기록한 인용 영향력
Average JIF Percentile	JIF 기준 평균 백분위 * 2개 이상의 카테고리에 속한 저널의 JIF 평균
JIF Quartile	JIF 기준 사분위
JIF Rank	JIF 순위
Journal Citation Indicator (JCI)	최신 JCI * JCI: JCR연도 직전 3개년 출판 논문이 JCR연도에 기록한 상대적 인용 영향력 (평균=1)

3

InCitesB&A 연구 분야 분석

Citation Topics

Sustainable Development Goals

Research Areas

> Citation Topics

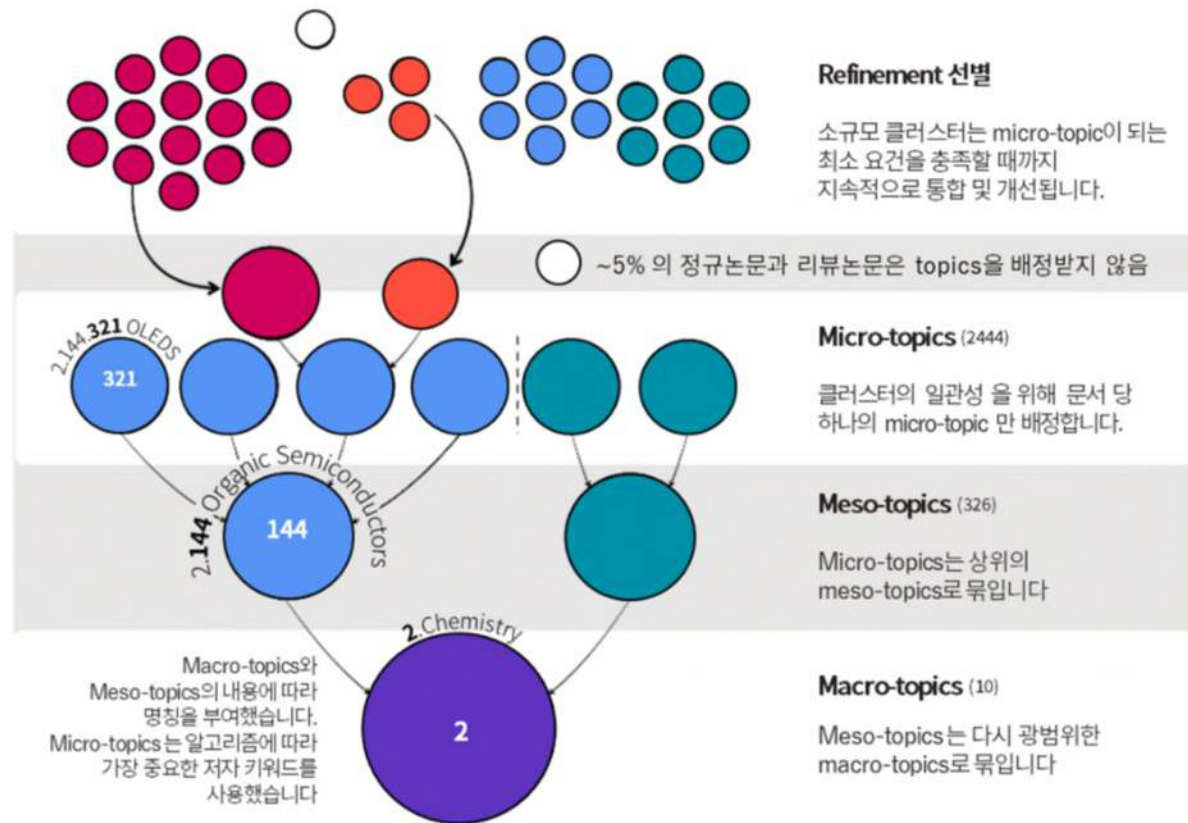
Leiden CWTS에서 개발한 알고리즘을 사용한 3단계 계층적 논문 분류 시스템

논문 간의 인용 관계를 기반으로 논문 그룹을 클러스터링
> 논문단위로 연구 주제를 분류

- 상하 구조
 - Macro Topics: 10개
 - Meso Topics: 326개
 - Micro Topics: 2,457개
- 업데이트
 - 문서 업데이트: 매 월
 - 구조 업데이트: 매 년

Clustering

클러스터는 문서의 참고문헌과 피인용 문헌 관계를 기반으로 구성됩니다(참고문헌에 있는 1980년 이전 출판 논문까지 포함). 알고리즘에는 대다수의 문서를 클러스터로 묶도록 하는 규칙도 포함합니다.



<https://incites.help.clarivate.com/Content/Research-Areas/citation-topics.htm>

Research Areas

> Citation Topics

- Citation Topics 리스트
 - Schema Scope ([링크](#))
 - Full Schema 엑셀 파일 제공

A	B	C	D	E	F
Citation Topics					
Data date 25 November 2020					
Macro ID	Macro-topi	Mesc	Meso-topic name	Micro	Micro-topic name
8	Earth Sciences	212	Sensors & Tomogra	547	Seismic Data
8	Earth Sciences	212	Sensors & Tomogra	652	GPR
8	Earth Sciences	212	Sensors & Tomogra	1276	Microwave Imaging
8	Earth Sciences	212	Sensors & Tomogra	1368	Underwater Acoustic
8	Earth Sciences	212	Sensors & Tomogra	1753	Electrical Impedance

Figure 1: Three levels of the Citation Topics hierarchy described for Earth Sciences



<https://incites.help.clarivate.com/Content/Research-Areas/citation-topics.htm>

Research Areas

> SDGs

UN지속가능발전 목표에 따른 연구 분야 분석

- 총 16개 연구분야로 구성 (17번째 Partnership for the goal 제외)
- Citation Topics의 Micro topics로 mapping

Name
1.217.59 Malaria
1.194.1699 Leprosy
1.66.11 HIV Prevalence & Prophylaxis
1.66.1372 Lipodystrophy
1.112.297 Cancer Survivors
1.156.381 Maternal Mortality
1.125.83 HCV
1.194.105 Tuberculosis
1.66.1615 Aids Dementia Complex
1.65.192 COPD
1.44.335 Eating Disorders
1.112.1459 Childhood Cancer
1.125.275 HBV
1.261.596 Trypanosoma Cruzi
1.119.454 Breast Cancer Incidence
1.119.2276 Geriatric Oncology
1.248.1683 Syphilis
1.125.1718 Hepatitis E Virus
1.199.1885 Podophyllotoxin
1.248.655 Chlamydia Trachomatis
1.217.1038 Toxoplasma Gondii
1.111.557 Metastatic Colorectal Cancer



- SDGs mapping 다운로드 (링크)

SCHEMA

Research Areas Sustainable Development Goals

Time Period: 2017-2021 Schema

Filters Indicators Base

Narrow the results in the table.

Dataset

InCites Dataset

Include ESCI documents ⓘ

Publication Date

Last 5 complete years (2017-2021)

InCites dataset updated Aug 26, 2022. Includes Science content indexed through Jul 31, 2022.

- Web of Science
- Citation Topics
- Essential Science Indicators
- Sustainable Development Goals**
- ANVUR
- GIIP
- Australia FOR Level 1
- Australia FOR Level 2
- China SCADC Subject 97 Narrow
- China SCADC Subject 13 Broad

Research Area

- 01 No Poverty
- 02 Zero Hunger
- 03 Good Health and Well-being
- 04 Quality Education
- 05 Gender Equality
- 06 Clean Water and Sanitation
- 07 Affordable and Clean Energy
- 08 Decent Work and Economic Growth
- 09 Industry, Innovation and Infrastructure
- 10 Reduced Inequality
- 11 Sustainable Cities and Communities
- 12 Responsible Consumption and Production
- 13 Climate Action
- 14 Life Below Water
- 15 Life on Land
- 16 Peace and Justice Strong Institutions



<https://incites.help.clarivate.com/Content/Research-Areas/citation-topics.htm>

4

Researcher Profile

Researcher Profile

WoS Author Record

Publons DB



Chen, Lingxin
 Highly cited | Top peer reviewer | Excellent reviewer (2)
 Chinese Academy of Sciences
 Web of Science ResearcherID: H-5761-2019

Published names: Chen, Lingxin; Chan, Lingxin; Chen, LX; Chen, Ling Xin; Chen, Ling Xin

Organizations: 2019-2022 Pilot Natl Lab Marine Sci & Technol; 2015-2022 Binzhou Medical University; 2013-2022 Qufu Normal University

Awards: Highly Cited Researcher in the Field of Cross-Field - 2021; Highly Cited Researcher in the Field of Cross-Field - 2020

Other Identifiers: https://orcid.org/0000-0002-3764-3515

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Metrics

Publication Metrics
 87 H Index | 443 Publications in Web of Science
 26,443 Sum of Times Cited | 17,466 Citing Articles

Peer Review Metrics
 4718 Verified Peer Reviews | 517 Verified Editor Records

Author Impact Beamsplit Summary
 CITATION PERCENTILE: 90 (Author's publication percentile range) | 85 (Overall citation percentile median)

Author Position
 First: 6% | Last: 68% | Corresponding: 76%

Author Network
 Top co-authors:
 Li, Zhibao: 324
 Wu, Jizong: 45
 Wang, Suning: 45
 Wang, Tianan: 44
 Tu, Zhibao: 33

443 Publications from the Web of Science Core Collection

Fluorescence imaging to probe mercury induced oxidative stress in living systems
 Zhang, Xia; Zhang, Li; Chen, Lingxin
 Published Sep 2021 | Sensors and Actuators B: Chemical | 0 Times Cited

A near-infrared fluorescent probe was used to evaluate the role of histone deacetylase in pulmonary fibrosis cells and mice
 Wu, Yinghui; Wu, Junyan; Chen, Lingxin
 Published Sep 2022 | Sensors and Actuators B: Chemical | 0 Times Cited

The distinct toxicity effects between commercial and realistic polystyrene microplastics on microbiome and histopathology of gut in zebrafish
 Guo, Xiaohang; Chen, Lingxin
 Published Jul 2022 | Journal of Hazardous Materials | 1 Times Cited

A tetrahedral DNA nanostructure functionalized paper-based platform for ultrasensitive colorimetric mercury detection
 Fu, Kaili; Liu, Hao; Chen, Lingxin
 Published Jul 2022 | Sensors and Actuators B: Chemical | 0 Times Cited

Fluorescent probes for bisphenol detection under environmental stress
 Han, Xiaoyun; Wang, Yexin; Chen, Lingxin
 Published Jun 2022 | Journal of Hazardous Materials | 1 Times Cited

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- 기관 이력 표시
- 수상 이력 표시
 - Highly Cited Researcher*
 - Top Peer reviewer
- ORCID 링크 연동
- 출판물, Peer review, Editor record 목록 관리
- 연구자 연구 성과 확인 및 분석
 - 출판 및 인용 관련 종합 Metrics dashboard
- 프로필 공유 가능

Researcher Profile 세부 구성

프로필 이미지,
표시 이름, 기관

기관 이력
수상 이력

ORCID 및 하이퍼링크

출판물 (Indexed and Non-Indexed)*
Peer review

Chen, Lingxin
Highly cited · Top peer reviewer · Excellent reviewer (3)
Chinese Academy of Sciences
Web of Science ResearcherID: H-5761-2019

Published names (1): Chen, Lingxin, Chen Lingxin, Chen, LX, Chen Ling-Xin, Chen, Ling Xin, Show more

Organizations (3):
2019-2022 Pilot Nat'l Lab Marine Sci & Technol
2015-2022 Binzhou Medical University
2019-2022 Qufu Normal University, Show more

Awards
Highly Cited Researcher in the field of Cross-Field - 2021
Highly Cited Researcher in the field of Cross-Field - 2020, Show more

Other Identifiers (1): <https://orcid.org/0000-0002-3754-3515>

443 Publications from the Web of Science Core Collection
View citation report

Include publications not indexed in Core Collection (0) | All Publications | Date: Newest first | 1 of 10

- Fluorescence imaging to probe mercury induced oxidative stress in living systems
Zhang, Xia ; Zhang, U ; ; ; ; Chen, Lingxin
Published Sep 2022 | *Sensors and Actuators B: Chemical* | 0 Times Cited
- A near-infrared fluorescent probe was used to evaluate the role of histone deacetylase in pulmonary fibrosis cells and mice
Wei, Yinghui ; Hou, Junjun ; ; ; ; Li, Changjun
Published Sep 2022 | *Sensors and Actuators B: Chemical* | 0 Times Cited
- The distinct toxicity effects between commercial and realistic polystyrene microplastics on microbiome and histopathology of gut in zebrafish
Guo, Xiaotong ; Lu, Min ; ; ; ; Chen, Lingxin
Published Jul 2022 | *Journal of Hazardous Materials* | 1 Times Cited
- A tetrahedral DNA nanostructure functionalized paper-based platform for ultrasensitive colorimetric mercury detection
Fu, Xiali ; Liu, Hao ; ; ; ; Chen, Lingxin
Published Jul 2022 | *Sensors and Actuators B: Chemical* | 0 Times Cited
- Fluorescent probes for biomolecule detection under environmental stress
Han, Xiaoyan ; Wang, Yue ; ; ; ; Chen, Lingxin
Published Jun 2022 | *Journal of Hazardous Materials* | 1 Times Cited

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Metrics
Dashboard

Publication Metrics
87 H-Index | 443 Publications in Web of Science
26,443 Sum of Times Cited | 17,466 Citing Articles

Peer Review Metrics
4718 Verified Peer Reviews | 517 Verified Editor Records

Author Impact Beamplot Summary
CITATION PERCENTILE
Author's publication percentile range
Overall citation percentile median
Percentile range displays for authors from 1980 to 2020. View all publications in full beamplot.
Open metrics dashboard to view the full beamplot

Author Position
First: 6%
Last: 69%
Corresponding: 20%

Author Network
Top co-authors
Li, Zhenhua: 134
Ma, Jitong: 45
Wang, Yuxin: 45
Wang, Xianwen: 44
Yu, Fabian: 33

H-index, 출판물 수,
인용 횟수, 인용 논문

Metrics dashboard

Web of Science
저자 영향력 빔플롯*

저자 위치 분석*

공동 저자 네트워크*

5

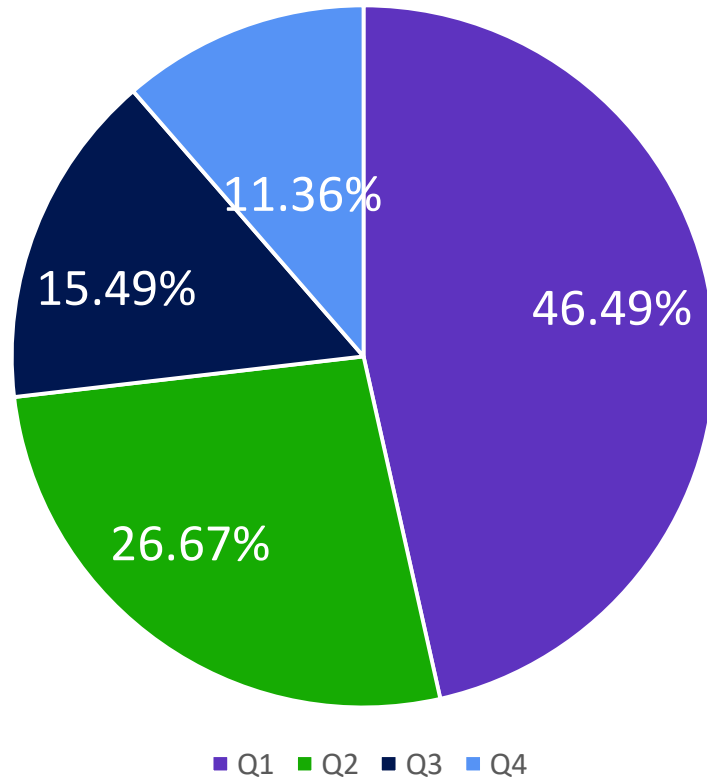
투고 저널 선정을 위한 저널 관련 지표의 활용

Journal Citation Indicator

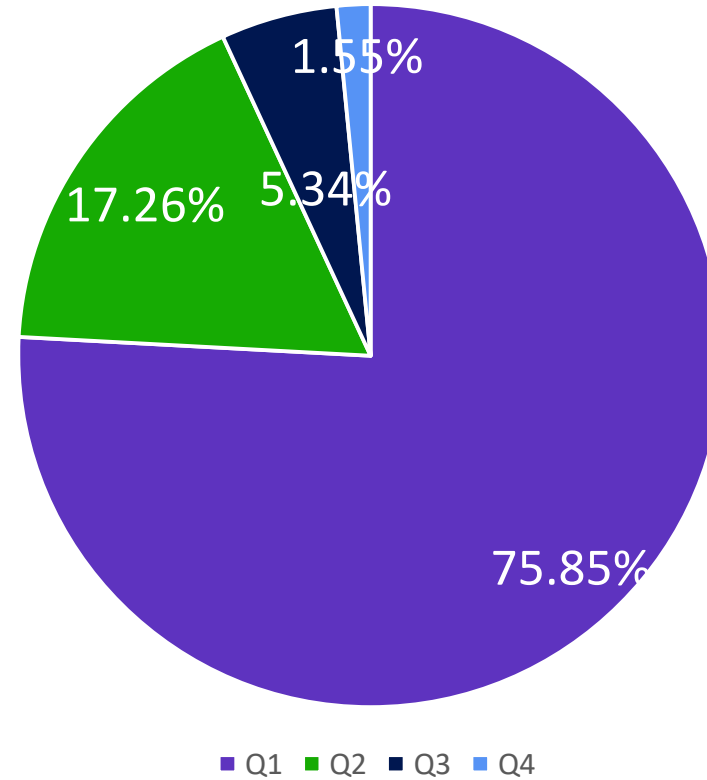
Journal Normalized Citation Impact

Top10% 논문의 JIF Quartile 별 분포

SCI급 논문



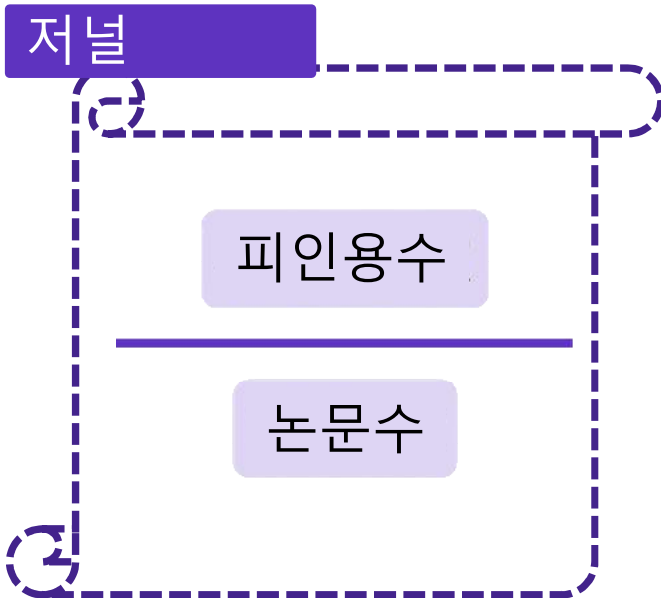
Top10% 논문



투고 저널 선정을 위한 저널 관련 지표의 활용

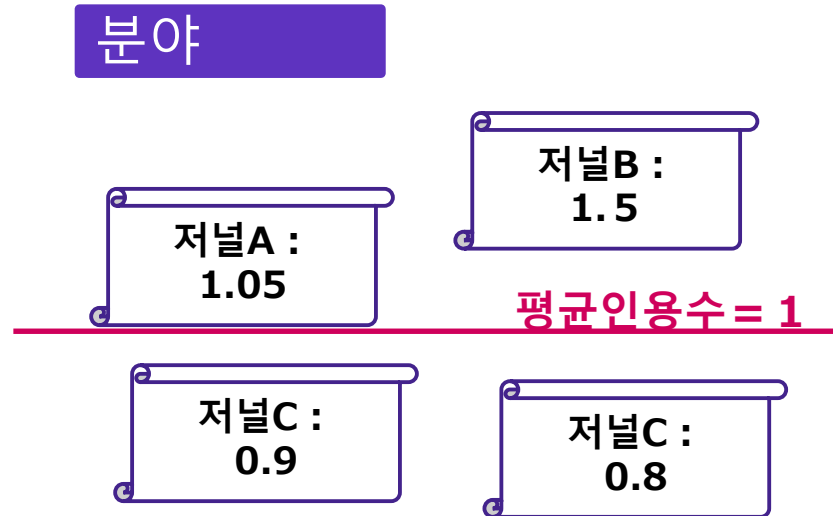
Journal Impact Factor (JIF)

JCR연도 직전 2개년 동안 출판된 논문이 JCR연도에 기록한 인용 영향력



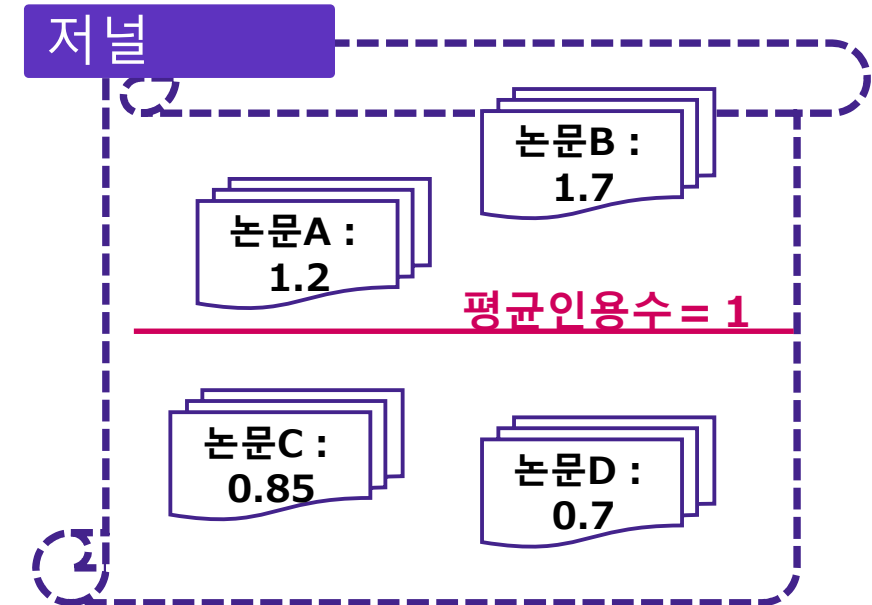
Journal Citation Indicator (JCI)

JCR연도 직전 3개년 출판 논문이 JCR연도에 기록한 상대적 인용 영향력



Journal Normalized Citation Impact (JNCI)

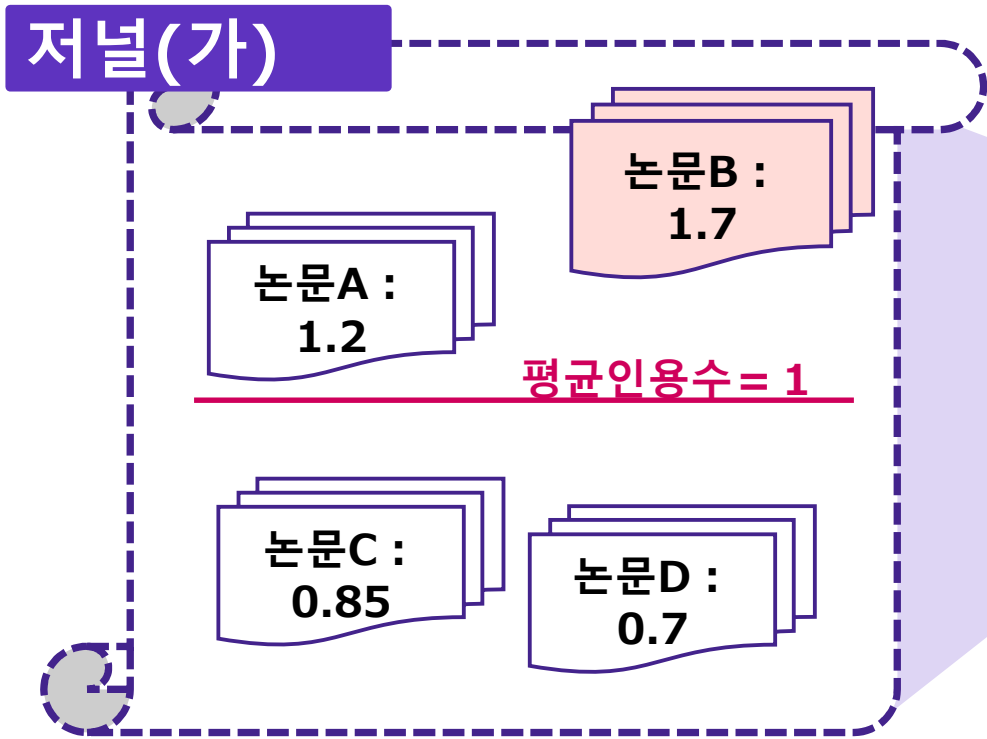
저널을 기준으로 하는 논문의 상대적 피인용 성과 지수



투고 저널 선정을 위한 저널 관련 지표의 활용

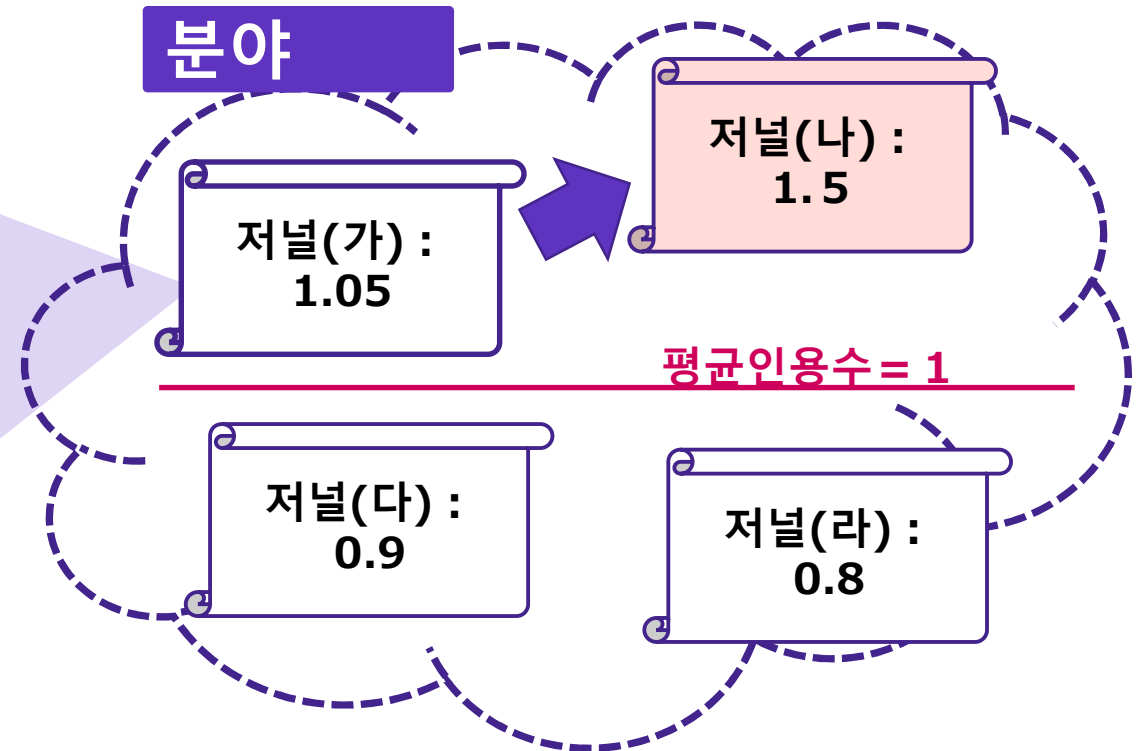
Journal Normalized Citation Impact (JNCI)

저널 내 전체 논문의 평균 인용 수와 비교



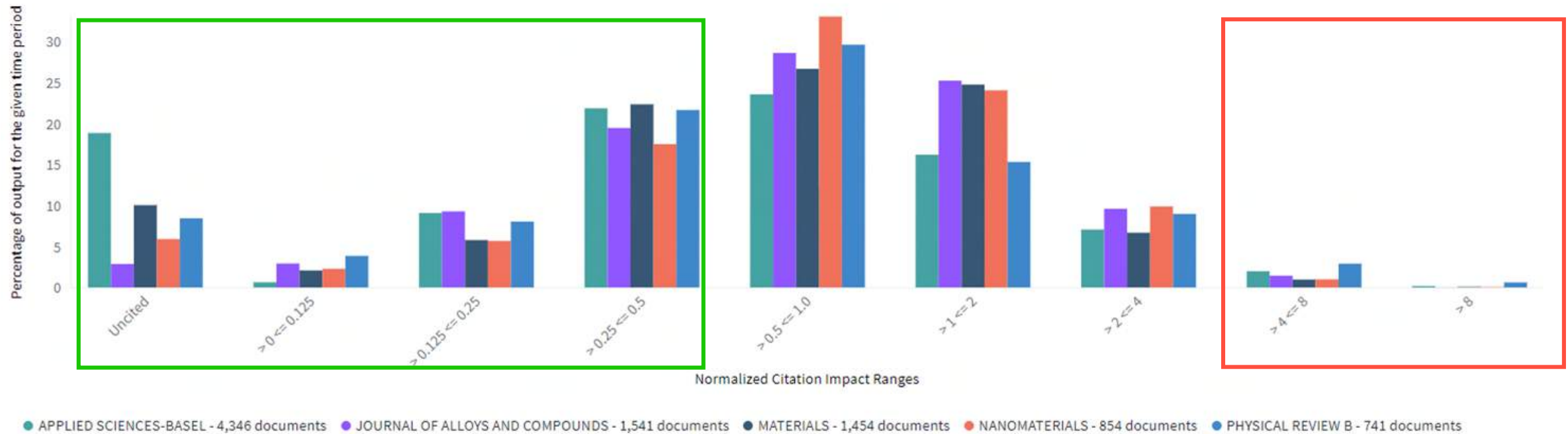
Journal Citation Indicator (JCI)

분야 내 임팩트가 높은 저널 검토



투고 저널 선정을 위한 저널 관련 지표의 활용

한국에서 출판한 Q2, Q3의 Materials Science, Multidisciplinary 분야에서 논문 발표가 많은 저널의 JNCI 분포



투고한 저널이 논문과 적합한가를 고려해볼 필요가 있음.

투고 저널 선정을 위한 저널 관련 지표의 활용

Top10%논문 중 Physics Review B의 논문(2020년 Article)

Article Title	Source	Document Type	Publication Date	Times Cited	Journal Expected Citations	Category Expected Citations	Journal Normalized Citation Impact	Category Normalized Citation Impact	Percentile in Subject Area	Journal Impact Factor
Role of 4f states in infinite-layer NdNiO ₂	PHYSICAL REVIEW B	Article	2020	69	7.44	10.61	9.27	6.50	98.64	3.908
Induced magnetic two-dimensionality by hole doping in the superconducting infinite-layer nickelate Nd _{1-x} Sr _x NiO ₂	PHYSICAL REVIEW B	Article	2020	59	7.44	10.61	7.93	5.56	98.15	3.908
Decoherence of ensembles of nitrogen-vacancy centers in diamond	PHYSICAL REVIEW B	Article	2020	51	7.44	10.61	6.85	4.80	97.58	3.908
Magnetic anisotropy in ferromagnetic CrI ₃	PHYSICAL REVIEW B	Article	2020	44	7.44	10.61	5.91	4.15	96.78	3.908
Circular dichroism in higher-order harmonic generation: Heralding topological phases and transitions in Chern insulators	PHYSICAL REVIEW B	Article	2020	44	7.44	10.61	5.91	4.15	96.78	3.908
Manipulation of valley pseudospin in WSe ₂ /CrI ₃ heterostructures by the magnetic proximity effect	PHYSICAL REVIEW B	Article	2020	36	7.44	10.61	4.84	3.39	95.53	3.908
High-field quantum disordered state in alpha-RuCl ₃ : Spin flips, bound states, and multiparticle continuum	PHYSICAL REVIEW B	Article	2020	36	7.44	10.61	4.84	3.39	95.53	3.908
Many-body approach to non-Hermitian physics in fermionic systems	PHYSICAL REVIEW B	Article	2020	32	7.44	10.61	4.3	3.01	94.51	3.908

투고 저널 선정을 위한 저널 관련 지표의 활용

JCR에서 JNCI가 높은 논문의 CNCI와 유사한 JCI를 참고

346 journals

Journal name/abbreviation, ISSN/eISSN, category, publisher, country/region

Indicators: Custom

Journal name	ISSN	eISSN	Category	Total Citations	2021 JIF	JIF Quartile	2021 JCI	% of OA Gold	JIF Rank	JCI Rank	JCI Percentile	JIF Percentile
<input type="checkbox"/> Nature Energy	2058-7546	2058-7546	MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE	37,355	67.439	Q1	8.08	2.56 %	2/345	1/414	99.88	99.57
<input type="checkbox"/> NATURE MATERIALS	1476-1122	1476-4660	MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE	119,078	47.656	Q1	7.02	1.46 %	4/345	2/414	99.64	98.99
<input type="checkbox"/> Nature Nanotechnology	1748-3387	1748-3395	MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE	79,609	40.523	Q1	5.45	2.16 %	6/345	3/414	99.40	98.41
<input type="checkbox"/> Joule	2542-4351	2542-4351	MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE	26,944	46.048	Q1	5.02	4.69 %	5/345	4/414	99.15	98.70
<input type="checkbox"/> ADVANCED MATERIALS	0935-9648	1521-4095	MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE	361,407	32.086	Q1	4.18	10.91 %	8/345	5/414	98.91	97.83
<input type="checkbox"/> Nature Reviews Materials	2058-8437	2058-8437	MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE	27,820	76.679	Q1	4.03	1.22 %	1/345	6/414	98.67	99.86
<input type="checkbox"/> Advanced Energy Materials	1614-6832	1614-6840	MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE	116,667	28.698	Q1	3.96	11.42 %	9/345	7/414	98.43	97.54
<input checked="" type="checkbox"/> PHYSICAL REVIEW B	2469-9950	2469-9969	MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE	421,250	3.908	Q2	0.76	11.87 %	163/345	147/414	64.61	52.90
<input type="checkbox"/> Vacuum	0042-207X	1879-2715	MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE	17,655	4.110	Q2	0.76	2.05 %	148/345	147/414	64.61	57.25
<input type="checkbox"/> IEEE Journal of Photovoltaics	2156-3381	2156-3403	MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE	7,755	4.401	Q2	0.74	14.89 %	137/345	154/414	62.92	60.43

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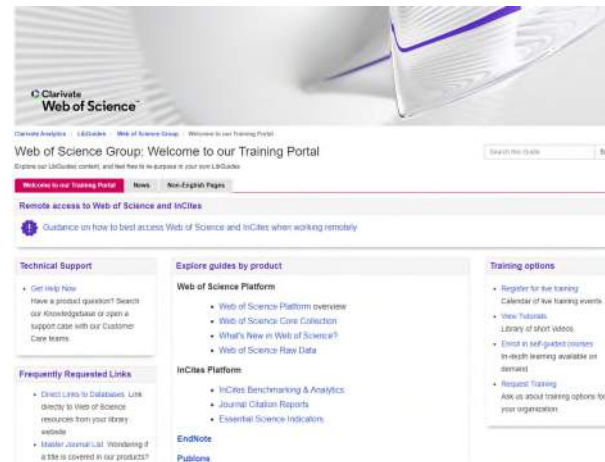


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고객지원 및 기술지원 문의

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Appendix

Indicators

- Analyze의 분석 대상(Entity)에 따라 제공되는 지수 상이
- 자세한 설명은 Indicators Handbook 에서 제공 ([링크](#))

Group Name	Indicator Name		Researcher	Organization	Locations	Research Area	Publication Source	Funding Agency
<u>Impact Indicators</u>	% Documents in Top 1%	WOS 연구분야 기준 피인용수 상위 1% 논문 비중	✓	✓	✓	✓		✓
	Documents in Top 1%	WOS 연구분야 기준 피인용수 상위 1% 논문 수	✓	✓	✓	✓		✓
	% Documents in Top 10%	WOS 연구분야 기준 피인용수 상위 10% 논문 비중	✓	✓	✓	✓		✓
	Documents in Top 10%	WOS 연구분야 기준 피인용수 상위 % 논문 수	✓	✓	✓	✓		✓
	% Documents Cited	피인용된 논문 비중	✓	✓	✓	✓	✓	✓
	Times Cited	피인용된 논문 수	✓	✓	✓	✓	✓	✓
	Times Cited without Self-Citations	자기인용 제외한 피인용된 논문수	✓	✓		✓		
	Citation Impact	논문당 평균 피인용수	✓	✓	✓	✓	✓	✓
	1 Year Citing All Prior Years Cumulative	피인용 연도별 피인용수		✓				
	H-Index	H- Index	✓	✓				
	H-Index without Self-Citations	자기인용 제외한 H-Index	✓	✓				
	Citation from Patents	특허에 인용된 논문 수	✓	✓	✓	✓	✓	✓

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Group Name	Indicator Name		Researcher	Organization	Locations	Research Area	Publication Source	Funding Agency
<u>Productivity Indicators</u>	Web of Science Documents	WOS 수록 문서수	✓	✓	✓	✓	✓	✓
	Times Cited	Web of Science 피인용수	✓	✓	✓	✓	✓	✓
<u>Normalized Indicators</u>	Category Normalized Citation Impact	연구분야 기준 상대적 피인용 성과 지수 (분야 세계 평균=1)	✓	✓	✓	✓	✓	✓
	Journal Normalized Citation Impact	저널 기준 상대적 피인용 성과 지수 (저널 평균=1)	✓	✓		✓	✓	✓
	Impact Relative to World	전세계 논문당 피인용수 대비 분석 대상의 논문당 피인용수	✓	✓	✓	✓		✓
	Average Percentile	평균 백분위	✓	✓	✓	✓		✓
<u>Collaboration</u>	International Collaborations	국제협력 논문 수 (2개 이상 국가의 저자가 공저)	✓	✓	✓	✓		✓
	% International Collaborations	국제협력 논문 비중 (2개 이상 국가의 저자가 공저)	✓	✓	✓	✓		✓
	% Industry Collaborations	산학협력 논문 비중 (기업과 연구기관이 공저)	✓	✓	✓	✓		✓
	Industry Collaboration	기업과 공저한 논문수 (기업과 연구기관이 공저)	✓	✓	✓	✓		✓

Indicators

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Group Name	Indicator Name		Researcher	Organization	Locations	Research Area	Publication Source	Funding Agency
<u>Author Position</u>	% First Author (2008-2020)	1저자로 참여한 논문비중 (2008년 이후 출판 논문부터 제공)	✓	✓	✓	✓		
	% Last Author (2008-2020)	책임 저자(last author)로 참여한 논문 비중 (2008년 이후 출판 논문부터 제공)	✓	✓	✓	✓		
	% Corresponding Author (2008-2020)	교신 저자 로 참여한 논문 비중 (2008년 이후 출판 논문부터 제공)	✓	✓	✓	✓		
	First Author (2008-2020)	1저자로 참여한 논문수 (2008년 이후 출판 논문부터 제공)	✓	✓	✓	✓		
	Last Author (2008-2020)	책임 저자(last author)로 참여한 논문수 (2008년 이후 출판 논문부터 제공)	✓	✓	✓	✓		
	Corresponding Author (2008-2020)	교신 저자로 참여한 논문수 (2008년 이후 출판 논문부터 제공)	✓	✓	✓	✓		

Indicators

- Analyze의 분석 대상(Entity)에 따라 제공되는 지수 상이
- 자세한 설명은 Indicators Handbook 에서 제공 ([링크](#))

Group Name	Indicator Name		Researcher	Organization	Locations	Research Area	Publication Source	Funding Agency
<u>Journal Citation Reports Data</u>	Documents in JIF Journals	Journal Impact Factor가 있는 저널에 게재된 논문수	✓	✓	✓	✓		✓
	Documents in Q1 Journals (Q2, Q3, Q4)	JIF 상위 25% 저널에 게재된 논문수 (50, 75, 100)	✓	✓	✓	✓		✓
	% Documents in Q1 Journals (Q2, Q3, Q4)	JIF 상위 25% 저널에 게재된 논문 비중 (50, 75, 100)	✓	✓	✓	✓		✓
	JIF Quartile	JIF 기준 사분위					✓	
	Journal Impact Factor	최신 JIF					✓	
	Immediacy Index	최신 Immediacy Index					✓	
	Eigenfactor	최신 Eigenfactor					✓	
	5 Year Impact Factor	최신 5 Year JIF					✓	
	Impact Factor without Self Cites	최신 Impact Factor without Self Cites					✓	

Indicators

- Analyze의 분석 대상(Entity)에 따라 제공되는 지수 상이
- 자세한 설명은 Indicators Handbook 에서 제공 ([링크](#))

Group Name	Indicator Name		Researcher	Organization	Locations	Research Area	Publication Source	Funding Agency
<u>Journal Citation Reports Data</u>	Journal Citation Indicator (JCI)	최신 JCI					✓	
	JIF Rank	JIF 순위 (여러 분야인 경우 최상위 결과 표시)					✓	
	JCI Rank	JCI 순위 (여러 분야인 경우 최상위 결과 표시)					✓	
	JCI Quartile	JCI 사분위					✓	
	JCI Percentile	JCI 백분위					✓	

Indicators

- Analyze의 분석 대상(Entity)에 따라 제공되는 지수 상이
- 자세한 설명은 Indicators Handbook 에서 제공 ([링크](#))

Group Name	Indicator Name		Researcher	Organization	Locations	Research Area	Publication Source	Funding Agency
<u>Essential Science Indicators Data</u>	% Hot Papers	ESI 22개 연구분야 기준 최근 2개월간 피인용수 상위 0.1% 논문 비중 (최근 2년간 출판 논문)	✓	✓	✓	✓		✓
	Hot Papers	ESI 22개 연구분야 기준 최근 2개월간 피인용수 상위 0.1% 논문수 (최근 2년간 출판 논문)	✓	✓	✓	✓		✓
	% Highly Cited Papers	ESI 22개 연구분야 기준 피인용수 상위 1% 논문 비중 (최근 10년간 출판 논문)	✓	✓	✓	✓		✓
	Highly Cited Papers	ESI 22개 연구분야 기준 피인용수 상위 1% 논문수 (최근 10년간 출판 논문)	✓	✓	✓	✓		✓
	ESI Most Cited	ESI 에 색인된 기관 (피인용수 기준 상위 1%)		✓				