



Journal Citation Reports

Customer Success Team, 2023.09

Agenda

1. Journal Citation Reports 소개

- 1) Journal Citation Report란?
- 2) 수록 저널 데이터 구분

2. Journal Impact Factor, Journal Citation Indicator 등 영향력 지수 안내

3. 실습

- 1) 저널 영향력 분석 – Journal profile
- 2) 투고 저널 찾기

4. Q&A

전 세계적으로 30,000여종 이상의 저널이 출판되는 가운데, 알맞은 저널을 선택하는 것은 점차적으로 어려워지고 있습니다.

나의 연구를 출판하기에 알맞은 저널을 어떻게 선택할 것인가?

우리 도서관의 저널 컬렉션을 우리 연구자나 직원의 니즈를 충족시키기 위해서 어떻게 구성해야 할 것인가?

데이터 기반 오픈 액세스(Open Access, OA) 전략을 수립을 위해 근거 자료로 어떤 데이터를 참고해야 할까?



Clarivate는 신뢰할 수 있는 콘텐츠, 데이터, 지표(metrics)를 제공합니다.

엄격하게 선별,
큐레이션 된 컬렉션

세심한
색인과정을 거친
믿을 수 있는 데이터

전문가의
분석을 기반으로 하는
신뢰 할 수 있는
지표(Metrics)





Journal Citation Report 소개

Journal Citation Reports (JCR)

JCR을 통해 세계 최고의 저널들을 체계적이고 객관적으로 분석하세요.

- 주요 학술 저널의 정보와 영향력 지수 제공
- **Web of Science** 핵심 컬렉션 등재지
 - SCIE (Science Citation Index Expanded)
 - SSCI (Social Sciences Citation Index)
 - AHCI (Arts & Humanities Citation Index)
 - ESCI (Emerging Source Citation Index)
- **Web of Science** 핵심 컬렉션 인용수 기반
- 매년 6월 경 새로운 JCR데이터 발표

Clarivate

Journal Citation Reports™ Journals Categories Publishers Countries/Regions My favorites Jeun Kim

The world's leading journals and publisher-neutral data

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

Already have a manuscript? Find relevant, reputable journals for potential publication of your research using Manuscript matcher. Match my manuscript

See full listings and refine your search by

Journals Categories Publishers Countries/Regions

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Journal Citation Reports 2023년 release

2022 JCR 데이터

총 **21,522** 종 저널

13,668 종의 과학 저널

5,600 종의 Gold Open Access 저널

7,123 종의 사회과학 저널

112 개국 저널 수록

3,248 종의 인문학, 예술학 저널

254 개 연구분야

9,136 종의 저널에 처음으로 JIF 부여

2023 release JCR 변화

엄선된 저널 Editorial process 거친 모든 학술지에 완전한 저널 프로필을 제공합니다.



개편안 요약

- A&HCI, ESCI 학술지에 JIF가 부여됩니다.
- JIF 표시 소수점 자리수가 세 자리에서 한 자리로 변경됩니다.
- **(예고) 2024 release** 부터 ESCI & AHCI 학술지에 JIF 카테고리 Rank 및 quartile 부여 됩니다.



영향

- 더 많은 데이터 제공
- 더 많은 저널, 출판사 정보
 - 더 넓어진 오픈 액세스 커버리지
 - 더 다양한 지역의 저널 정보 제공
- 한 눈에 파악할 수 있도록 간략한 정보 제공

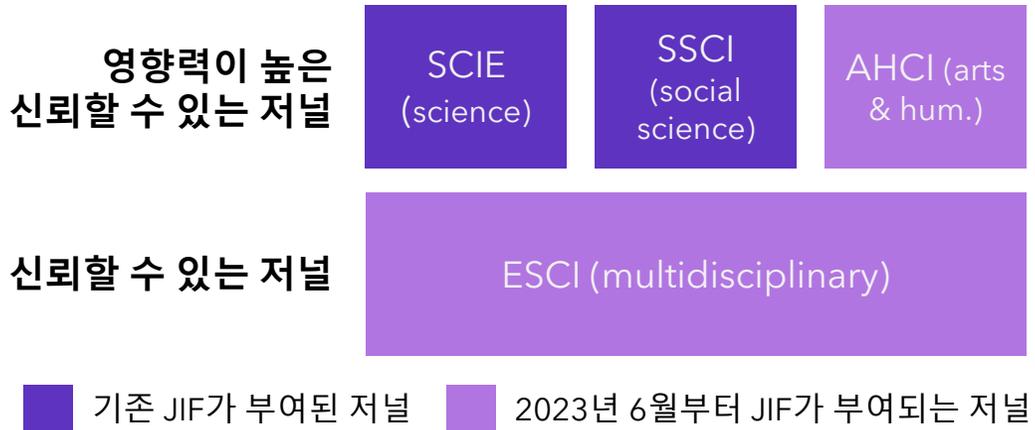


효과

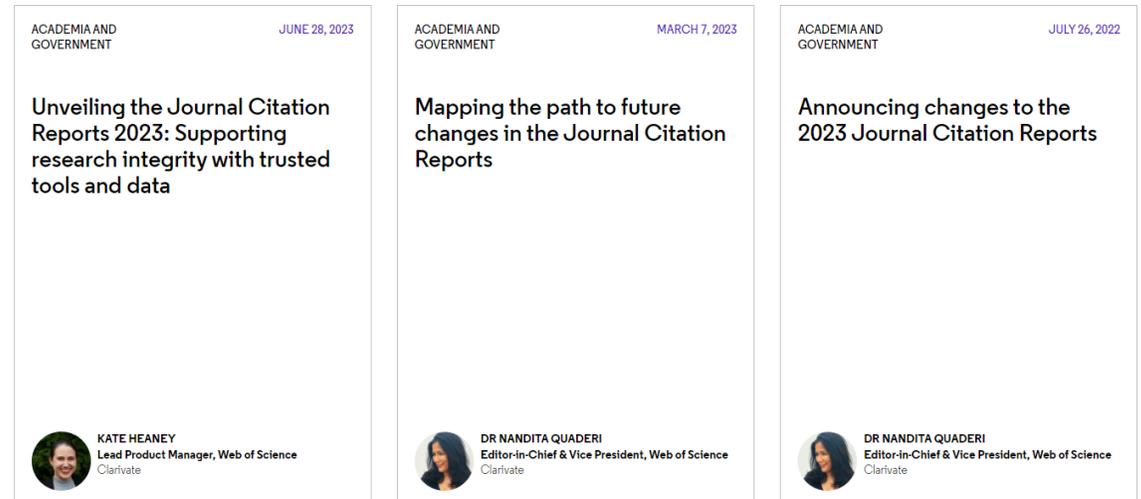
- 연구자들이 더 많은 정보를 바탕으로 투고 저널을 선정할 수 있도록 돕습니다.
- 저널의 영향력을 더 심층적으로 분석할 수 있도록 돕습니다.
- 더욱 강화된 저널 프로필 페이지를 기반으로 구독 저널 컬렉션의 영향력을 향상시킬 수 있습니다.
- 컬렉션 관리업무를 간소화 시킵니다.

이제 JIF는 학술적 영향력과 함께 신뢰성을 검증할 수 있는 지표입니다.
 건전한 학술생태계의 보전을 위해 신뢰성을 평가할 수 있는 지표의 필요성이 대두되고 있습니다.

Web of Science Core Collection의 네가지 Index



블로그 자료: Journal Citation Reports 변경



국문 기사 링크:
<https://clarivate.com/ko/unveiling-the-journal-citation-reports-2023-supporting-research-integrity-with-trusted-tools-and-data/>

국문 기사 링크:
<https://clarivate.com/ko/mapping-the-path-to-future-changes-in-the-journal-citation-reports/>

Journal Impact Factor는 Web of Science 핵심 컬렉션 전체 저널의 영향력을 참고할 수 있는 지표로 사용할 수 있습니다.

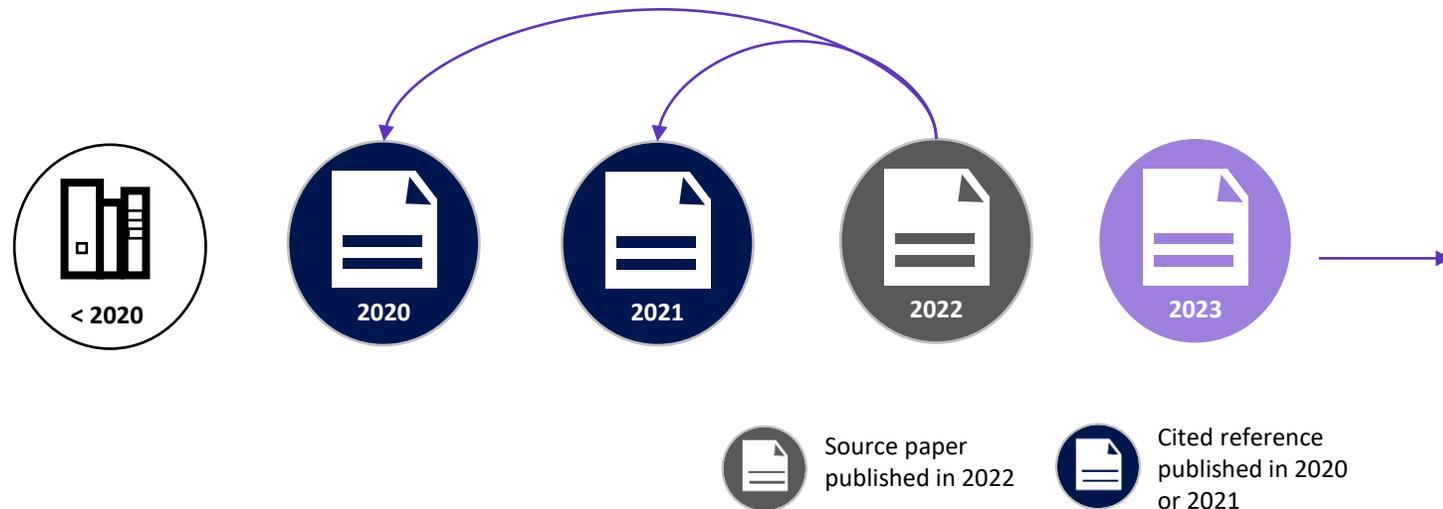


주요 영향력 지수

Journal Impact Factor™ 란?

저널의 영향력을 나타내는 지표

- Journal Impact Factor(JIF)는 JCR 연도 직전 2년 동안 출판된 Citable items (Article, Review 형태의 논문)를 JCR 연도에 Web of Science Core Collection 전체 출판물에 인용된 수로 나눈 값입니다.
- 예를 들어, 2022 Journal Impact Factor는 2020년과 2021년에 출판된 Article, Review 형태의 논문이 2022년에 인용된 평균값을 말합니다.



- 모든 JIF Metrics은 아래 에디션의 모든 저널에서 사용할 수 있습니다.
 - Science Citation Index Expanded™
 - Social Sciences Citation Index™
- 2023년 릴리즈에는 아래 에디션에 대한 JIF는 포함되지만 JIF를 기반으로 하는 Ranking, Percentile, Quartile Metrics 는 계산되지 않습니다.
 - Arts & Humanities Citation Index™
 - Emerging Sources Citation Index™

2022 citations from journals, proceedings, and books to a journal in 2020 and 2021

$$\text{2022 JIF} = \frac{\text{2022 citations from journals, proceedings, and books to a journal in 2020 and 2021}}{\text{Number of Articles and Reviews (citable items) published in the journal in 2020 and 2021}}$$

JCR에서 JIF 관련 Metrics 표시

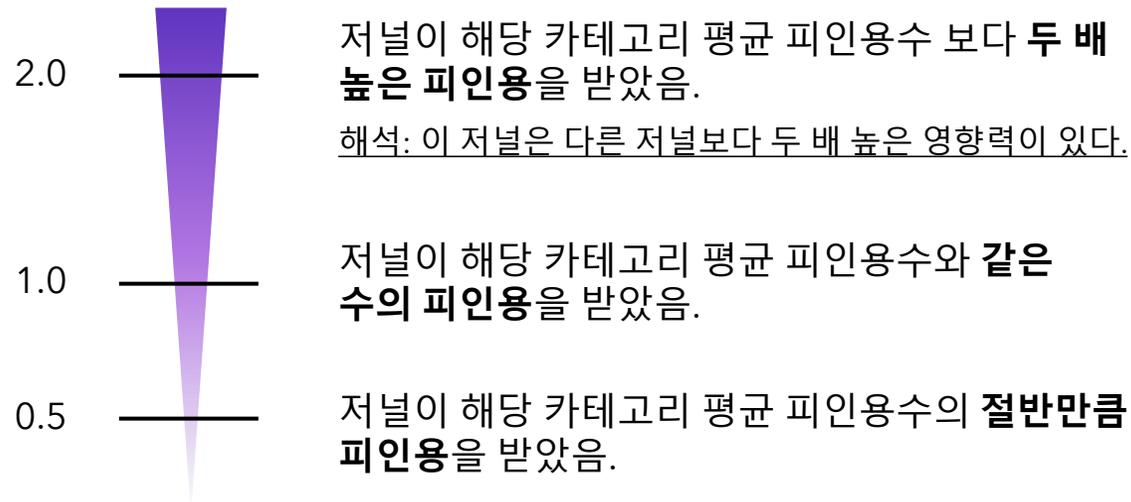
Category	2022 JIF ▼	JIF Quartile	JIF Rank	JIF Percentile	5 Year JIF ▼	5 Year JIF Quartile	JIF Without Self Cites ▼	Immediacy Index ▼
HISTORY - SSCI	0.6	Q2	44/101	56.9	1.1	Q1	0.5	0.3
HISTORY - ESCI	0.6	N/A	N/A	N/A	0.5	N/A	0.4	0.1
HISTORY - AHCI	0.6	N/A	N/A	N/A	0.4	N/A	0.5	1.2

- AHCI, ESCI저널에 JIF 가 표시됩니다.
 - 단, AHCI, ESCI 저널의 Quartile, Rank, Percentile은 올해까지 N/A로 표시됩니다.
- 2022 JIF가 소수점 아래 한자리수로 표시됩니다.
 - 단, 2021 JIF까지는 이전과 같이 소수점 아래 세자리수로 표시됩니다.
- JIF without Self Cites, 5 Year Impact Factor, Immediacy Index 도 AHCI, ESCI 저널에 표시되며, JIF 와 같이 소수점 이하 한자리수로 표시됩니다.

Journal Citation Indicator (JCI) 란?

저널의 상대적인 영향력을 보여주는 정규화 지표

- JCI는 최근 3년 동안 출판된 Citable Item의 CNCI 평균값입니다.
 - CNCI (Category Normalized Citation Impact): 논문의 상대적인 영향력을 나타내는 지수
- 예를 들어, 2022 JCI는 2019, 2020, 2021년에 출판된 Citable items가 2019년부터 2022년까지 받은 전체 피인용수를 근거로 계산됩니다.



- JCI (Journal Citation Indicator)는 모든 저널에서 사용 가능
- JCI 정규화 시 고려된 변수 3가지
 - Field
 - Article age
 - Article type
- CNCI: 논문당 인용수를 같은 카테고리, 출판연도, 문서형태에 대해 정규화 한 값 (분야 세계평균=1)

[JCI 안내자료 링크](#)

[CNCI 안내자료 링크](#)

Journal Impact Factor(JIF) versus Journal Citation Indicator(JCI)

상호 보완적인 저널 지표 JIF, JCI

Journal Impact Factor (JIF)



Journal Citation Indicator (JCI)



JIF는 JCR 연도의 인용수로 산출하는 반면, JCI는 출판 연도부터 JCR 연도까지 전체 인용수를 근거로 산출됩니다. JCI는 더 많은 연도의 더 많은 콘텐츠를 반영합니다.

JCR의 주요 저널 지표

- **Journal Impact Factor (JIF)**: JCR 연도 직전 2개년 동안 출판된 논문이 JCR 연도에 기록한 인용 영향력
- **5 year Impact Factor**: JCR 연도 직전 5개년 동안 출판된 논문이 JCR 연도에 기록한 인용 영향력
- **JIF Percentile**: JIF Rank 를 기준으로 Category별 백분위 값

100%	75%	50%	25%
Q1	Q2	Q3	Q4
- **JIF Quartile**: JIF Rank 를 기준으로 Category별 사분위 값

Q1	Q2	Q3	Q4
----	----	----	----
- **Journal Citation Indicator (JCI)**: JCR연도에 기록한 저널의 상대적 인용 영향력 (평균 = 1)
 - JCR 연도 직전 3개년동안 해당 저널에서 출판된 논문의 평균 CNCI 값
- **Eigenfactor Score**: JCR 연도 직전 5개년 동안 출판된 논문이 JCR 연도에 기록한 인용 영향력을 계산할 때, 피인용 저널의 영향력에 따라 가중치를 부여한 영향력 지수
- **Normalized Eigenfactor**: Eigenfactor Score의 값을 정규화한 값 (평균=1)
- **Immediacy Index**: JCR 연도에 출판된 논문이 JCR 연도에 기록한 인용 영향력



투고 저널 선정 전략 수립하기

Browse journals - Compare

Journal Citation Reports [Browse journals](#) [Browse categories](#) [My favorites](#) [Emily.han@clarivate.com](#)

378 journals ¹ [Export](#)

비교 저널 선택 Indicators: Example [Customize](#)

[ECONOMICS](#) [SSCI](#) [JCR Year: 2020](#)

Filter 3

Journal name	ISSN	eISSN	Category	Total Citations	2020 JIF	5 Year JIF	JIF Without Self Cites	Immediacy Index	JIF Quartile	2020 JCI	Normalized Eigenfactor
<input checked="" type="checkbox"/> AMERICAN ECONOMIC REVIEW	0002-8282	1944-7981	ECONOMICS - SSCI	71,858	9.170	10.144	8.957	2.121	Q1	3.05	25.70273
<input checked="" type="checkbox"/> ENERGY POLICY	0301-4215	1873-6777	ECONOMICS - SSCI	60,369	6.142	6.581	5.521	1.430	Q1	1.63	9.04139
<input type="checkbox"/> JOURNAL OF FINANCE	0022-1082	1540-6261	ECONOMICS - SSCI	52,685	7.544	11.753	7.022	1.295	Q1	3.40	9.34648
<input type="checkbox"/> JOURNAL OF FINANCIAL ECONOMICS	0304-405X	N/A	ECONOMICS - SSCI	47,904	6.988	11.164	6.587	1.921	Q1	2.90	11.60403
<input type="checkbox"/> ECONOMETRICA	0012-9682	1468-0262	ECONOMICS - SSCI	45,506	5.844	7.458	5.648	1.789	Q1	2.20	8.46400
<input type="checkbox"/> QUARTERLY JOURNAL OF ECONOMICS	0033-5533	1531-4650	ECONOMICS - SSCI	38,427	15.563	20.935	15.275	4.550	Q1	6.19	12.88635
<input type="checkbox"/> JOURNAL OF POLITICAL ECONOMY	0022-3808	1537-534X	ECONOMICS - SSCI	32,296	9.103	9.662	8.904	1.836	Q1	3.13	8.71410
<input type="checkbox"/> ECOLOGICAL ECONOMICS	0921-8009	1873-6106	ECONOMICS - SSCI	32,197	5.389	6.233	5.019	1.640	Q1	1.57	6.25108
<input type="checkbox"/> WORLD DEVELOPMENT	0305-750X	1873-5991	ECONOMICS - SSCI	27,106	5.278	6.425	4.899	1.747	Q1	2.01	6.25108
<input type="checkbox"/> ENERGY ECONOMICS	0140-9883	1873-6181	ECONOMICS - SSCI	26,186	7.042	7.571	6.213	1.847	Q1	2.78	5.14041

Compare 선택

Journals selected 4 Deselect all [Add to Favorites list](#) [Compare](#) 4 ?

Up to 50 journals in one list Up to 4 journals

Journal Comparison 결과 페이지

Journal Citation Reports [Browse journals](#) [Browse categories](#) [My favorites](#) [Emily.han@clarivate.com](#)

Browse journals > Journal comparison

Comparing 4 journals

QUARTERLY JOURNAL OF ECONOMICS	ECONOMIC GEOGRAPHY	AMERICAN ECONOMIC REVIEW	ENERGY POLICY																																																
ISSN/eISSN 0033-5533 / 1531-4650	0013-0095 / 1944-8287	0002-8282 / 1944-7981	0301-4215 / 1873-6777																																																
CATEGORY ECONOMICS-SSCI	ECONOMICS-SSCI GEOGRAPHY-SSCI	ECONOMICS-SSCI	ENERGY & FUELS-SCIE ENVIRONMENTAL STUDIES-SSCI ECONOMICS-SSCI ENVIRONMENTAL SCIENCES-SCIE																																																
REGION USA	USA	USA	ENGLAND																																																
LANGUAGE English	English	English	English																																																
PUBLISHER OXFORD UNIV PRESS INC	TAYLOR & FRANCIS LTD	AMER ECONOMIC ASSOC	ELSEVIER SCI LTD																																																
MOST RECENT JCR YEAR 2020	2020	2020	2020																																																
MOST RECENT JCR YEAR JIF 15.563	11.767	9.170	6.142																																																
JIF TREND																																																			
<table border="1"> <caption>JIF Trend for Quarterly Journal of Economics</caption> <thead> <tr><th>JCR Year</th><th>JIF</th></tr> </thead> <tbody> <tr><td>2016</td><td>7.782</td></tr> <tr><td>2017</td><td>7.782</td></tr> <tr><td>2018</td><td>11.672</td></tr> <tr><td>2019</td><td>11.672</td></tr> <tr><td>2020</td><td>15.563</td></tr> </tbody> </table>	JCR Year	JIF	2016	7.782	2017	7.782	2018	11.672	2019	11.672	2020	15.563	<table border="1"> <caption>JIF Trend for Economic Geography</caption> <thead> <tr><th>JCR Year</th><th>JIF</th></tr> </thead> <tbody> <tr><td>2016</td><td>5.883</td></tr> <tr><td>2017</td><td>5.883</td></tr> <tr><td>2018</td><td>8.825</td></tr> <tr><td>2019</td><td>8.825</td></tr> <tr><td>2020</td><td>11.767</td></tr> </tbody> </table>	JCR Year	JIF	2016	5.883	2017	5.883	2018	8.825	2019	8.825	2020	11.767	<table border="1"> <caption>JIF Trend for American Economic Review</caption> <thead> <tr><th>JCR Year</th><th>JIF</th></tr> </thead> <tbody> <tr><td>2016</td><td>4.585</td></tr> <tr><td>2017</td><td>4.585</td></tr> <tr><td>2018</td><td>6.877</td></tr> <tr><td>2019</td><td>6.877</td></tr> <tr><td>2020</td><td>9.170</td></tr> </tbody> </table>	JCR Year	JIF	2016	4.585	2017	4.585	2018	6.877	2019	6.877	2020	9.170	<table border="1"> <caption>JIF Trend for Energy Policy</caption> <thead> <tr><th>JCR Year</th><th>JIF</th></tr> </thead> <tbody> <tr><td>2016</td><td>3.071</td></tr> <tr><td>2017</td><td>3.071</td></tr> <tr><td>2018</td><td>4.607</td></tr> <tr><td>2019</td><td>4.607</td></tr> <tr><td>2020</td><td>6.142</td></tr> </tbody> </table>	JCR Year	JIF	2016	3.071	2017	3.071	2018	4.607	2019	4.607	2020	6.142
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Match my manuscript

The screenshot displays the Journal Citation Reports website interface. At the top, the navigation bar includes 'Journal Citation Reports™', 'Journals', 'Categories', 'Publishers', and 'Countries/Regions'. On the right side of the navigation bar, there are links for 'My favorites' and a user profile for 'Jieun Kim'. The main header area features the text 'The world's leading journals and publisher-neutral data' and a search bar with the placeholder text 'Journal name/abbreviation, ISSN/eISSN, category, publisher, country/region'. Below the search bar, there is a white box with a document icon and the text 'Already have a manuscript? Find relevant, reputable journals for potential publication of your research using Manuscript matcher.' To the right of this box is a 'Match my manuscript' button. A hand cursor is shown clicking the button, with a blue arrow pointing to a callout box containing the Korean text '클릭 시 Master Journal List로 연결됨'. Below this section, there is another white box titled 'See full listings and refine your search by' with four icons and labels: 'Journals', 'Categories', 'Publishers', and 'Countries/Regions'.

Match my manuscript > Master Journal List

Welcome, Donghyun Kim

Master Journal List Search Journals Match Manuscript Downloads Help Center

Settings Log Out

Browse, search, and explore journals indexed in the Web of Science

The Master Journal List is an invaluable tool to help you to find the right journal for your needs across multiple indices hosted on the Web of Science platform. Spanning all disciplines and regions, Web of Science Core Collection is at the heart of the Web of Science platform. Curated with care by an expert team of in-house editors, Web of Science Core Collection includes only journals that demonstrate high levels of editorial rigor and best practice. As well as the Web of Science Core Collection, you can search across the following specialty collections: Biological Abstracts, BIOSIS Previews, Zoological Record, and Current Contents Connect, as well as the Chemical Information products.

Search Journal, ISSN or title word... Search Journals

Already have a manuscript? Match Manuscript

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Manuscript Matcher

Related Manuscript Matcher helps you find the most related journals for your manuscript. It works best when your title has at least 10 words and your abstract has at least 100 words. Using this information, it will pull the most relevant keywords for matching.

Please enter your manuscript information below.

Title

Abstract

Title과 abstract를 입력

Cancel Find Journals

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Master Journal List Search Journals Match Manuscript Downloads Help Center

Settings Log Out

The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Start a new search? New Search

Refine Your Manuscript Matcher Results

Title: Autonomous driving R&D ecosystem in the case of Japanese automobile industry

Sort By: Match Score

Abstract: The aim of the paper is to construct a network of Japanese automobile industries' R&D activity in autonomous driving and highlight the major firms within the industry. In order to do so, the data was processed in order to type of the activities such as

Find Journals

Matching Keywords: co-op management, autonomous, autonomous driving, major firms

Match Results: Found 35 results (Page 1) Share These Results

SUSTAINABILITY

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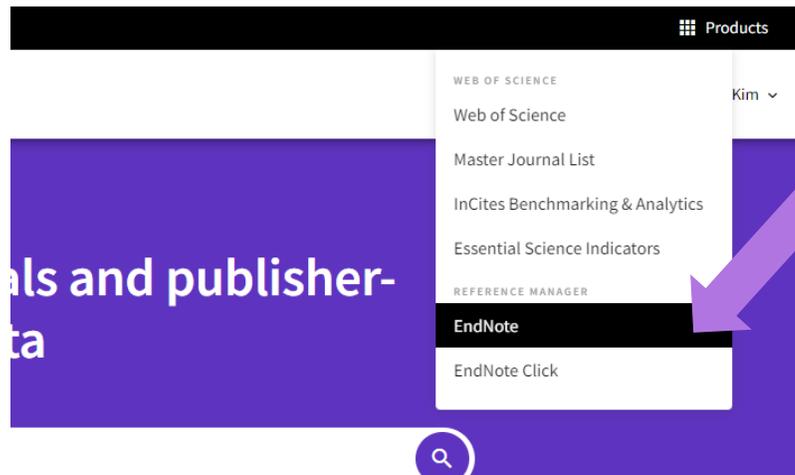
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 - 추천 저널의 JIF*, 투고 페이지 링크 제공



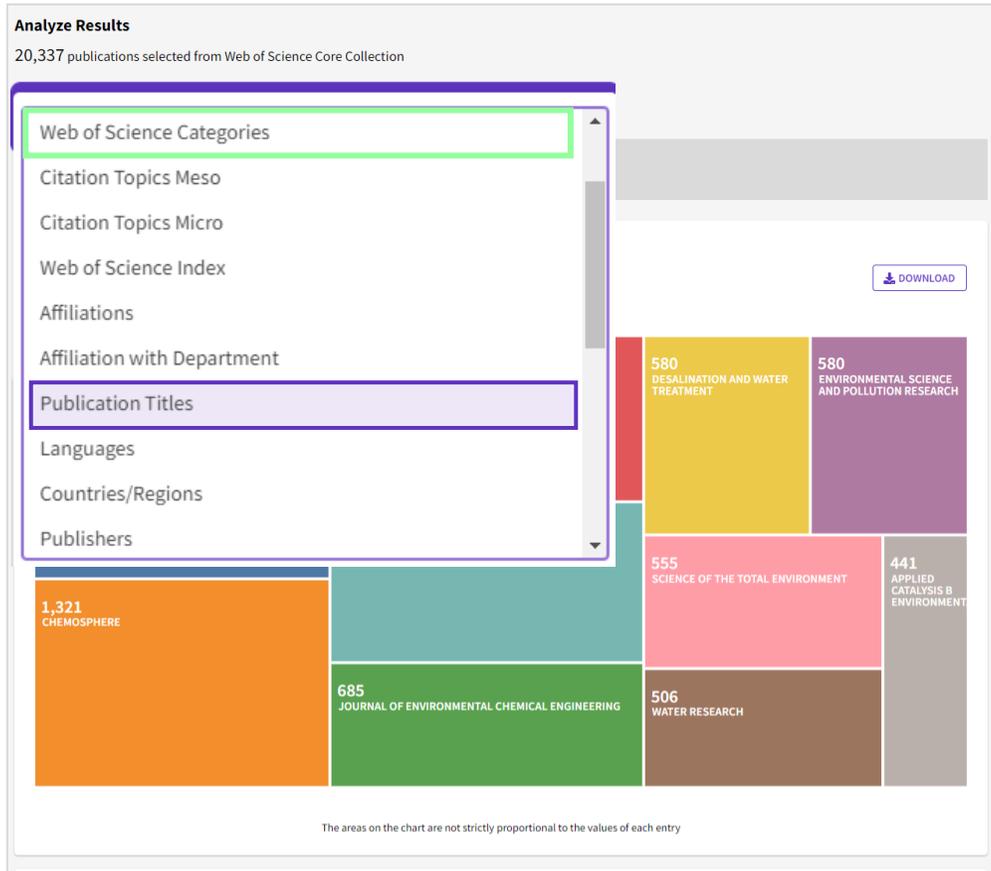
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Match Score	JCR Impact Factor Current Year 5 Year	Journal	Similar Articles
	2.276 2019 2.858 5 Year	BIOMED RESEARCH INTERNATIONAL	0
	4.556 2019 4.653 5 Year	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	0

영상 링크

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Journal	Q1	Range	Percentile
JOURNAL OF NUCLEAR MATERIALS	21.23	21.18 %	
MEDICINE, GENERAL & INTERNAL - SCIE	24.74	0.30 %	
MATERIALS SCIENCE, MULTIDISCIPLINARY	11.43	1.47 %	
MATERIALS SCIENCE, MULTIDISCIPLINARY	8.14	1.65 %	
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MATERIALS SCIENCE, TEXTILES	3.92	1.80 %	

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<input type="checkbox"/> CHEMICAL ENGINEERING JOURNAL	1,783	79,677	98.71%	15.1	1.21	96.2	Q1	5/140	1385-8947	1873
<input type="checkbox"/> JOURNAL OF HAZARDOUS MATERIALS	959	32,156	97.71%	13.6	1.21	95.1	Q1	10/274	0304-3894	1873
<input type="checkbox"/> CHEMOSPHERE	1,321	31,057	96.97%	8.8	1.19	89.2	Q1	30/274	0045-6535	1879

Average JIF Percentile

Publication Year

- CHEMICAL ENGINEERING JOURNAL
- JOURNAL OF HAZARDOUS MATERIALS
- CHEMOSPHERE
- APPLIED CATALYSIS B-ENVIRONMENTAL
- ENVIRONMENTAL SCIENCE & TECHNOLOGY
- WATER RESEARCH
- SEPARATION AND PURIFICATION TECHNOLOGY
- SCIENCE OF THE TOTAL ENVIRONMENT

Percentage of output for the given time period

- CHEMICAL ENGINEERING JOURNAL - 1,783 documents
- JOURNAL OF HAZARDOUS MATERIALS - 959 documents
- APPLIED CATALYSIS B-ENVIRONMENTAL - 441 documents
- ENVIRONMENTAL SCIENCE & TECHNOLOGY - 366 documents
- CHEMOSPHERE - 1,321 documents

저널들의 JIF Percentile은 어떻게 변화하고 있는가?

내 연구주제가 저널에서 미치는 영향력은 어느 정도인가?

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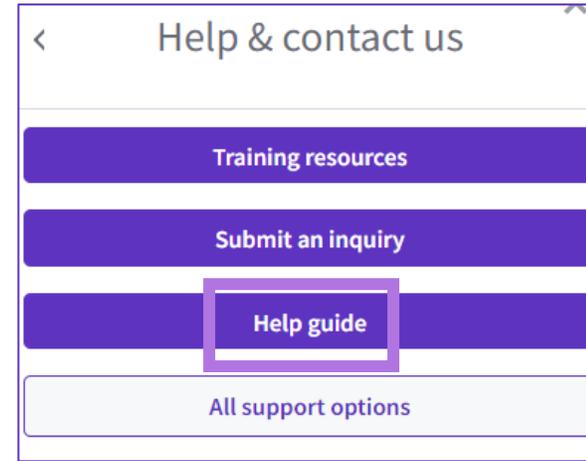
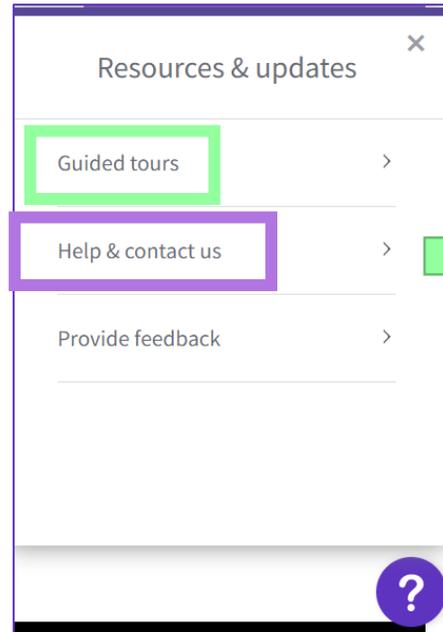
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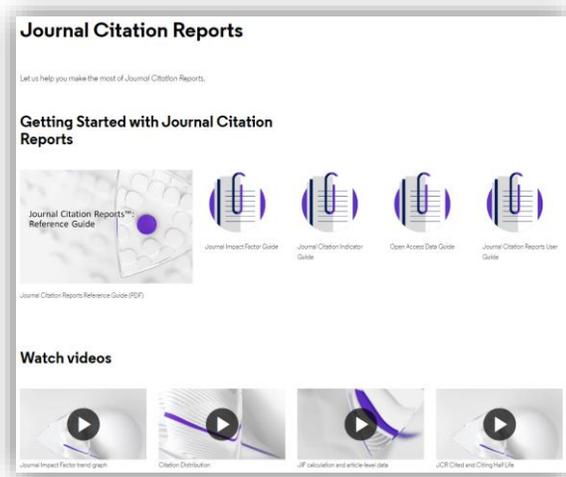
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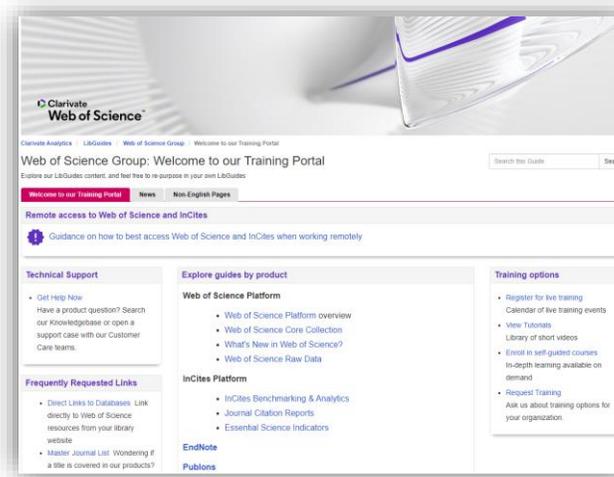


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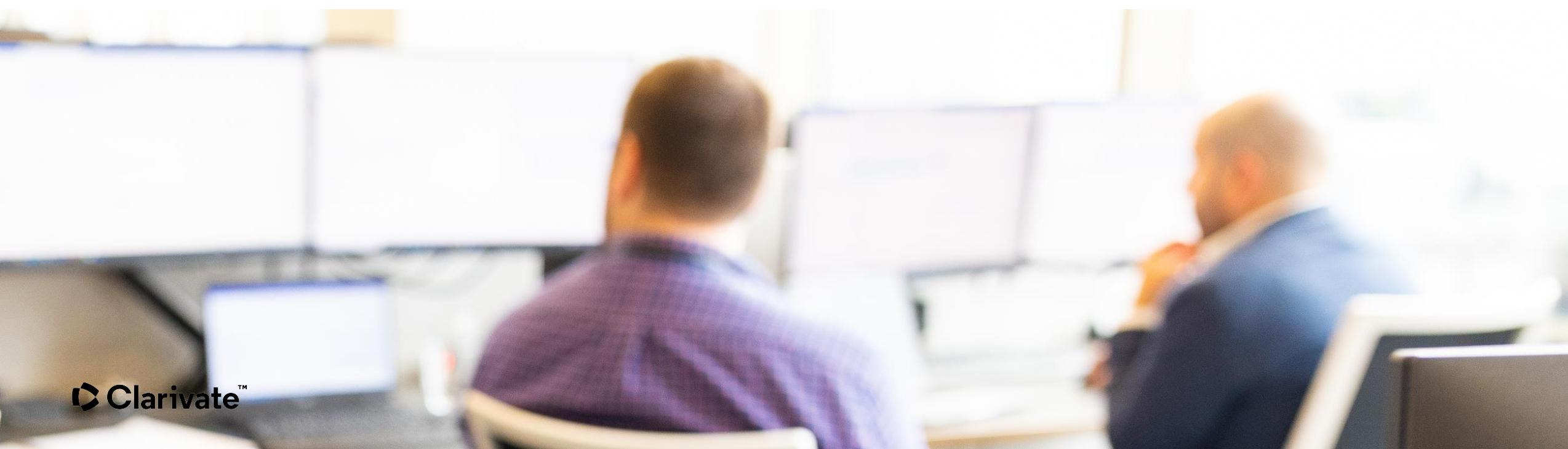
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