Clarivate™

Web of Science 기초
- SCI급 저널 논문 검색 기초

2023.03

Agenda
기초

1. SCI 급 (SCIE/SSCI/AHCI) 등재지 개념
   - Web of Science 소개
   - 핵심 컬렉션 (Core Collection)
2. 논문 검색 시 주의 사항
   - 신뢰도, 약탈적 저널
3. 논문 검색 방법, 영향력
   - Document Search - Topic
   - Indexes
   - Citation
4. 연구자 검색 방법
   - Researcher Search
   - Researcher Profile
5. 연구 동향 분석 방법
   - Analyze Result (결과 분석하기)
   - Citation Report (인용보고서)

Clarivate™

Value for researchers

Accelerate your research and advance your career

Conduct research

Web of Science

Quickly find relevant papers from the world's leading sources to inform your research

EndNote Click
(formerly Kopernio)

Instantly access the full text PDFs

Publish findings

EndNote

Save time authoring your manuscript with a tool that creates your bibliography for you

Journal Citation Reports

Easily identify leading journals to publish in that can maximize your reach and influence

Promote output

Web of Science Researcher Profile

Showcase the full picture of your scholarly contributions in a multidimensional public profile that records your papers, citations, collaboration network, peer reviews, and editorial activity in one place

Obtain funding

Web of Science

Submit more competitive funding applications using objective, verifiable statistics for your research

Researcher Profile CV

Save time preparing your P&T dossier and grant applications using an automated CV generator.

01

SCI 급 등재지 개념

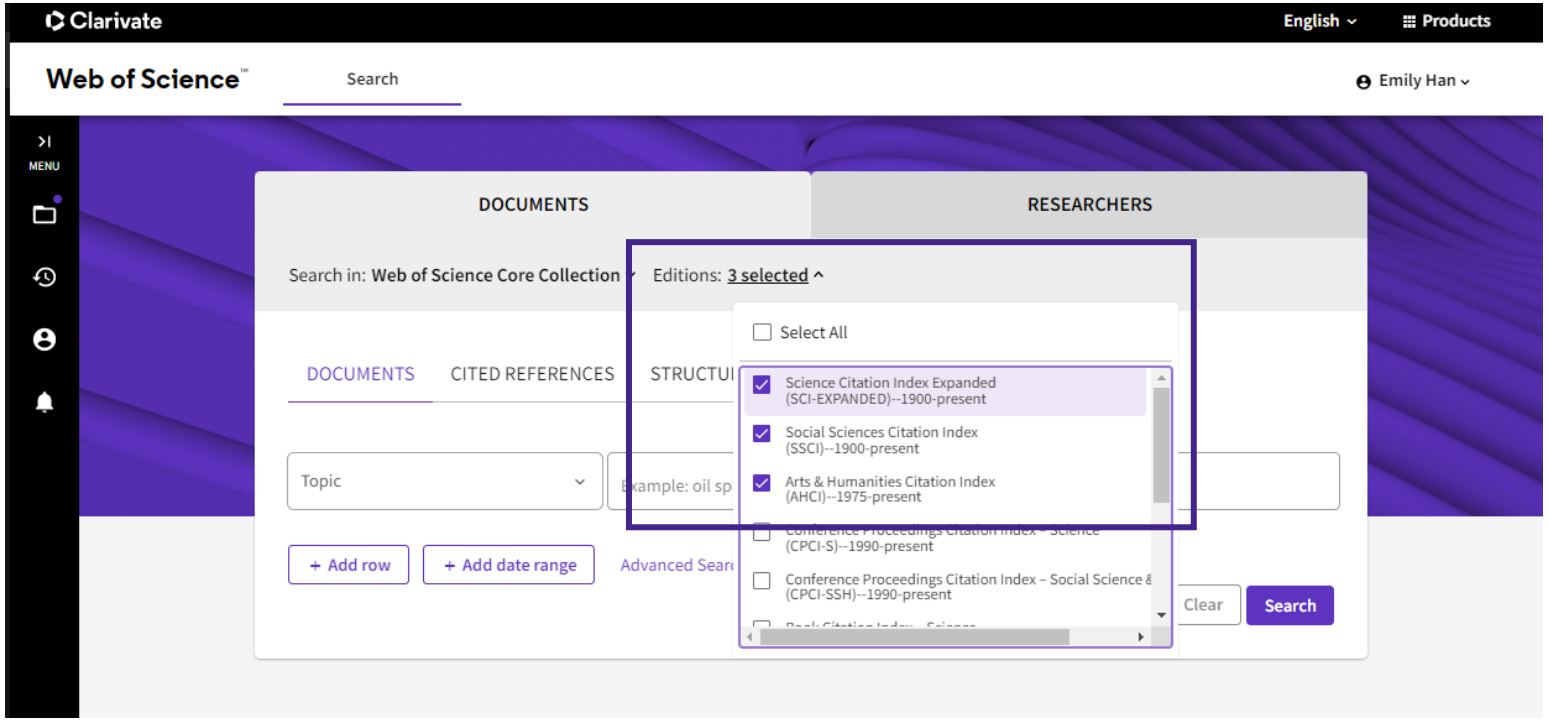
- Web of Science 핵심컬렉션
- Editions (SCIE, SSCI, AHCI)

SCI급 등재지 개념

SCIE, SSCI, AHCI 통칭
분야별 구분

Web of Science
> Core Collection (핵심컬렉션)
>> Editions

- Science Citation Index Expanded
- Social Science Citation Index
- Arts & Humanities Citation Index



Clarivate™

Editorial integrity

Research with confidence using a **publisher-neutral** citation index

Journals are curated by experts with:

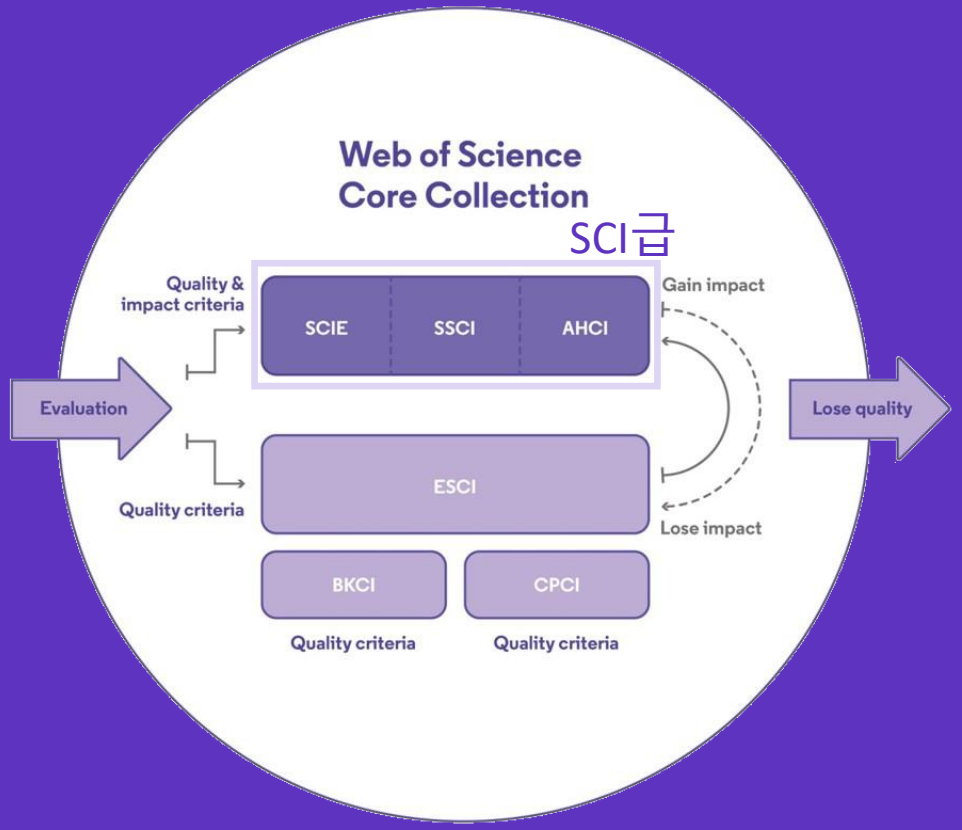
150 years of experience

Fluency in **12** languages

0 affiliations with any journals or publishers

Using:

28 criteria



More information

- ✓ Find what you need more quickly
- ✓ Make high stakes decisions about research funding, resource allocation, and people with data that is independent of bias

Trust the data relied upon by over 9,000 institutions

Web of Science data have been used in major research evaluation initiatives around the globe for decades

100% of AAU Universities

98% of Carnegie R1 Universities

100% of Ivy League Universities

98% of all European Consortia

92% of the 'First Class Discipline Group' in China

100% of Group of Eight Universities

100% internationally ranked Russian Universities

Fortune 500 Companies

International rankings

By the US Government

By Governments in Europe

US Funding Agencies

Major research funders

by Australian Research Council

100% of New Zealand's Universities

Used by the Ministry of Education Malaysia

100% of Thailand's Universities

92% of South African Universities

100% of the LERU Universities

100% of Ukrainian Organizations

100% of Organizations in Azerbaijan

100% of Organizations in Kazakhstan

02

데이터베이스 활용 필요성

- 신뢰성
- 효율성

전문 서지정보 데이터베이스 활용 필요성

연구자 수, 출판 논문수 매년 증가

- 매년 출판되는 저널논문 3백만편 이상[1]
- 연구자들이 읽는 논문 연평균 264편 [2]
- 약탈적 저널(predatory journals) 증가

검색한 정보의 신뢰성 > 선별된 정보, 버전
검색 과정의 효율성 > 구조화 및 색인

Pinpoint relevant research with the Web of Science Core Collection

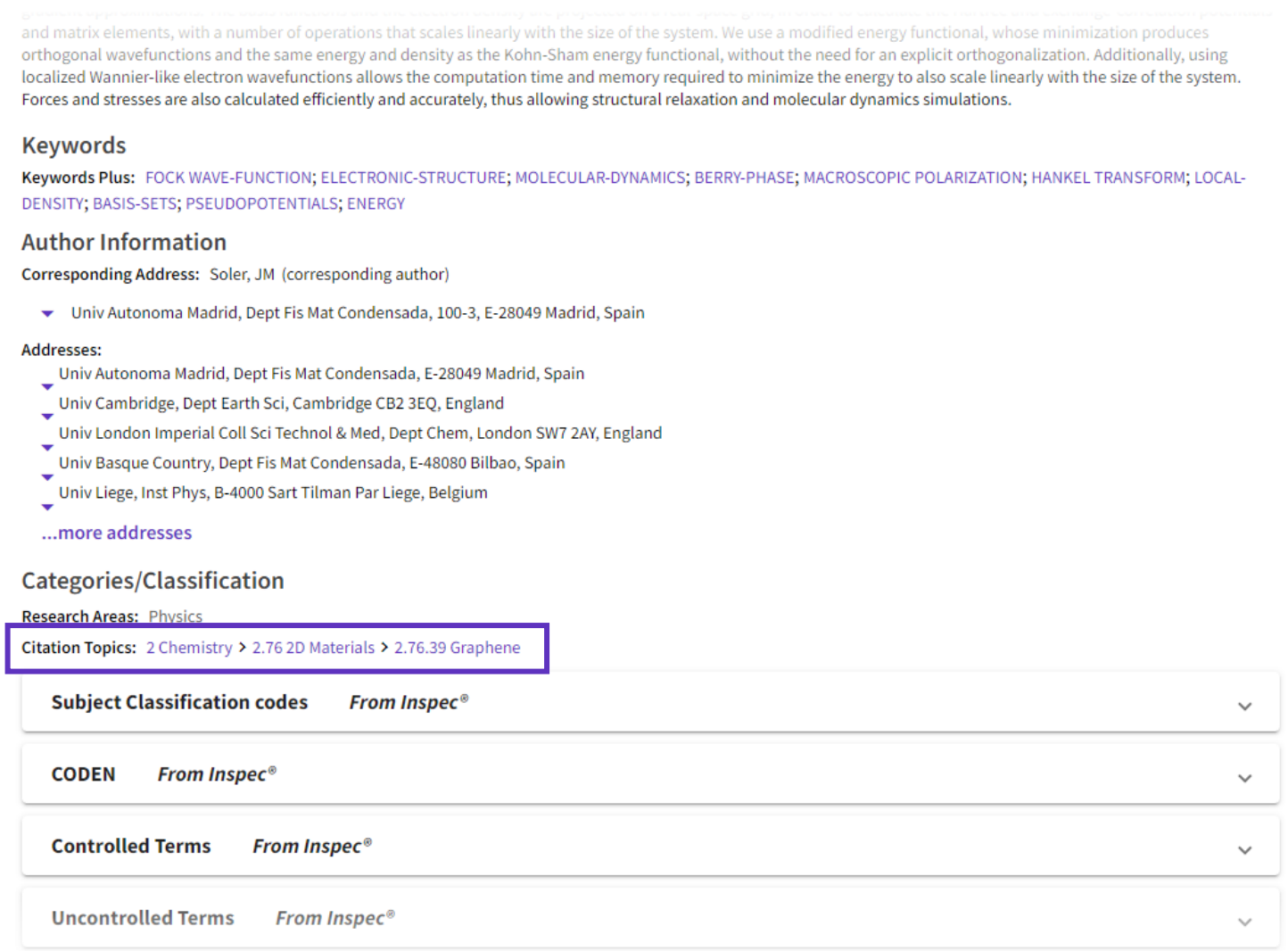
[1] 2018 STM Report
[2] http://www.nature.com/news/scientists-may-be-reaching-a-peak-in-reading-habits-1.14658

Citation Topics in Web of Science

Save time finding relevant papers

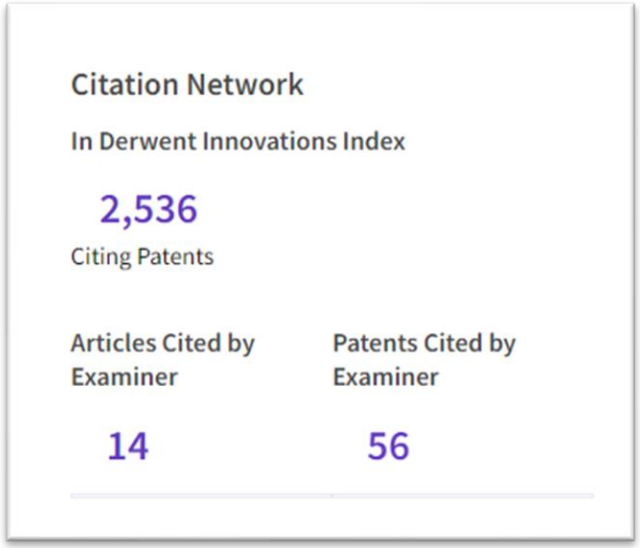
- 세분화된 Citation Topics (논문 레벨 분류)를 통해 원하는 논문을 찾는 시간을 절약할 수 있습니다.

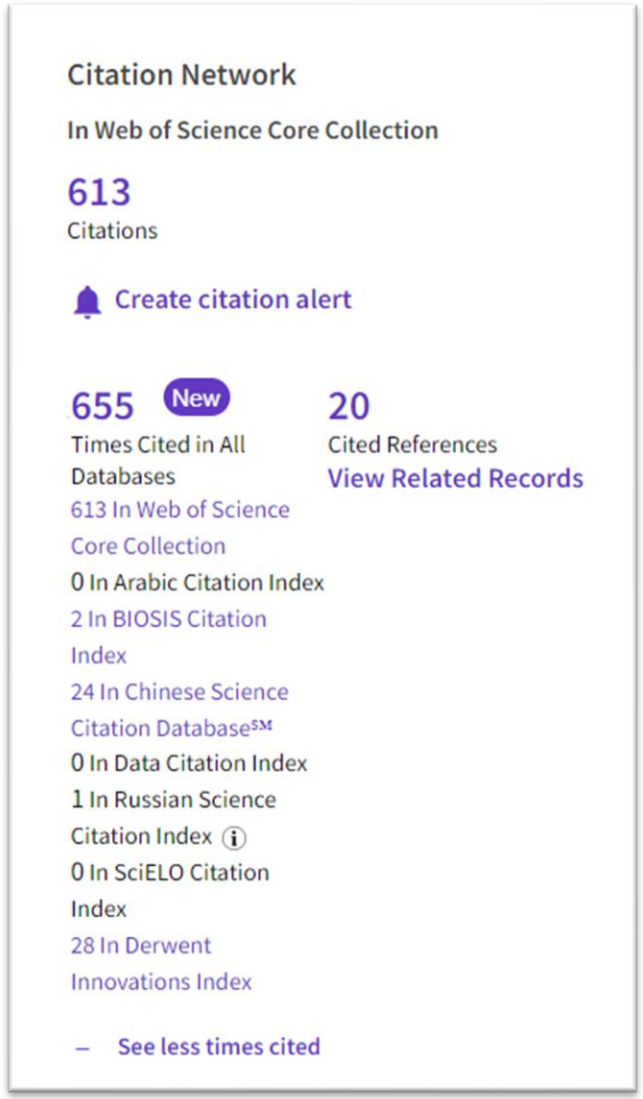
- Citation Topics 분석을 통해 기관이나 국가(지역)별 연구 결과에 대한 이해도를 향상시킵니다.



Improved patent-article citation links

- 50% 더 많은 Derwent Innovations Index 특허-논문 인용 링크와 Web of Science Core Collection의 새로운 인용 링크를 통해 현실화 된 연구 결과를 확인하세요.

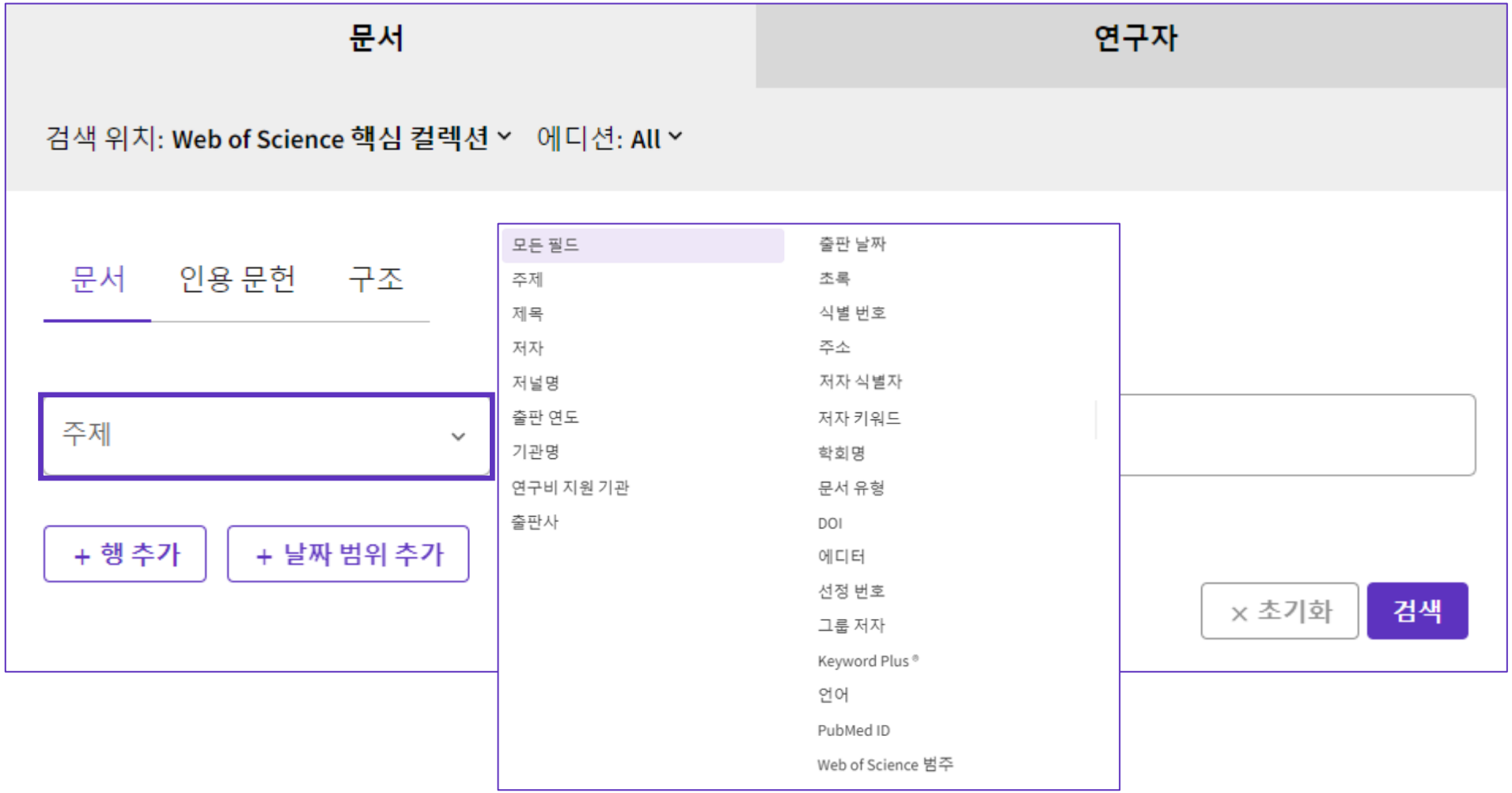




03

논문 검색, 논문 영향력
- 주제 검색
- 인용 관계

Web of Science 핵심컬렉션 기본 검색화면 > 문서

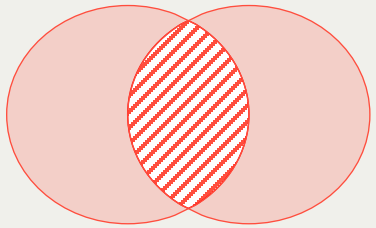


Web of Science 핵심 컬렉션 – 주요 검색 필드

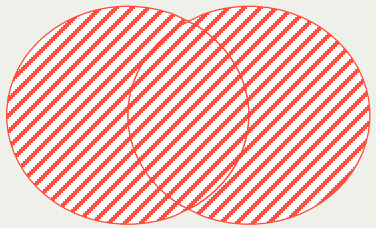
검색 필드	설명
주제 (Topic)	**Title + Abstract + Author Keywords + Keywords Plus**
제목 (Title)	논문의 제목
초록 (Abstract)	초록
저자 키워드 (Author Keywords)	저자 키워드
Keywords Plus	Web of Science 추천 키워드
기관명 (Affiliation)	Web of Science에서 색인한 연구자 소속기관
주소 (Address)	논문에 기재된 저자의 소속 기관명 검색
출판 날짜 (Publication Date)	논문의 출판 날짜
색인 날짜 (Index Date)	Web of Science에 색인된 날짜
Web of Science 범주 (Web of Science Category)	Web of Science 연구 분야 카테고리
PubMed ID	각 MEDLINE 레코드에 할당된 고유 식별자
모든 필드 (All Fields)	모든 검색 필드

Web of Science 지원 연산자

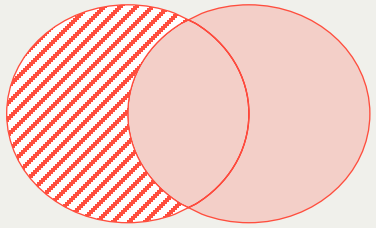
AND



OR



NOT

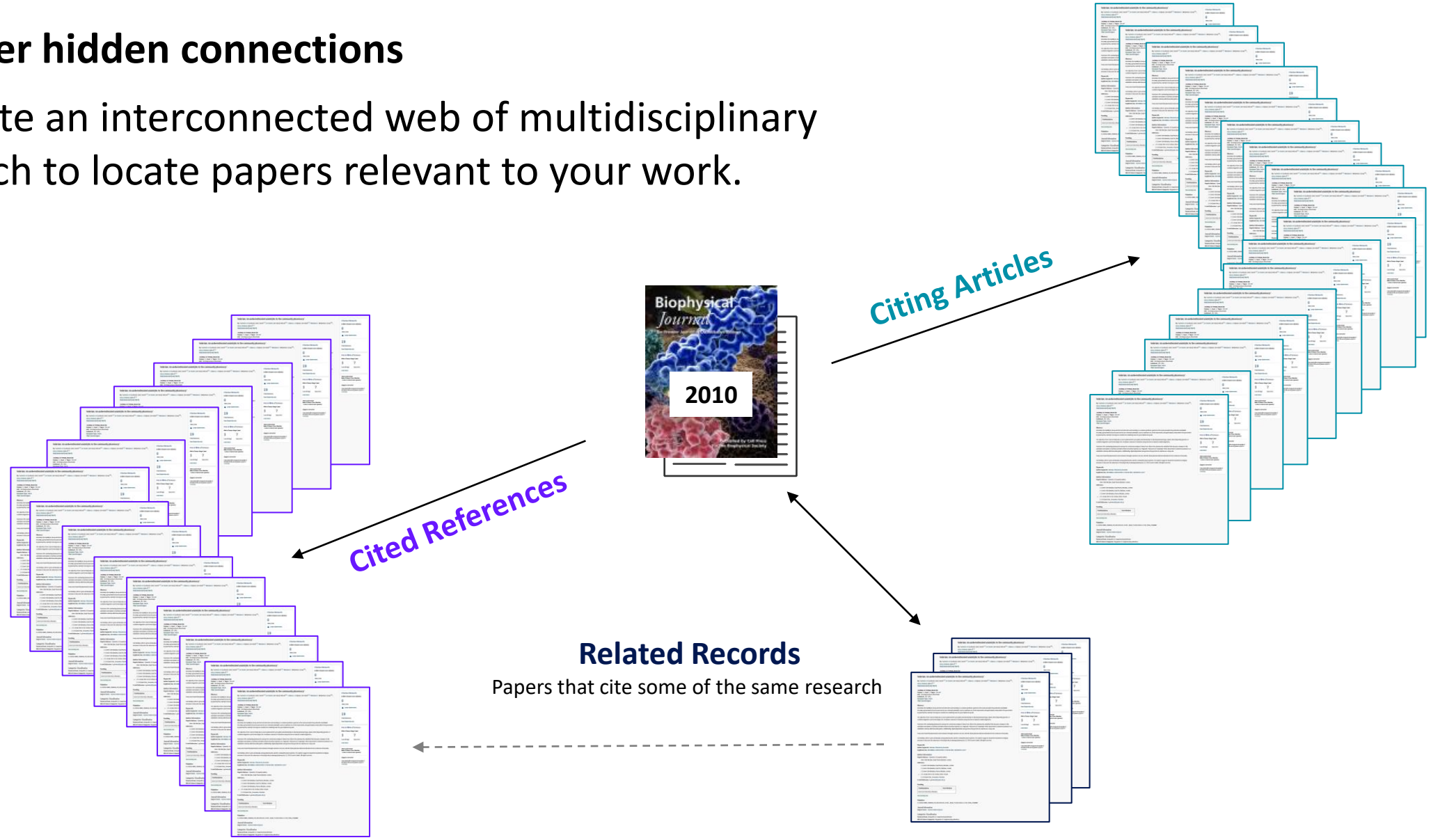


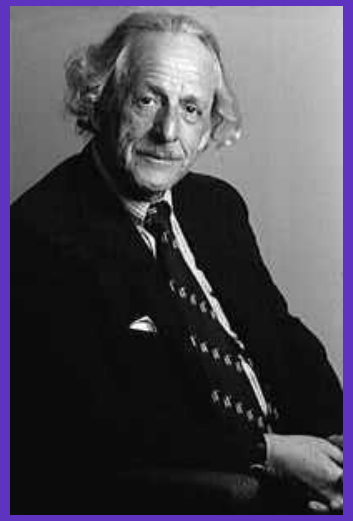
기호	의미(예시)
“ “	정확히 일치하는 단어 / 연산자가 포함되는 단어 검색 ex) “Artificial Intelligence” / Technology “and“ “near” future
*	0자 이상의 글자수가 포함된 단어 검색 ex) *carbon*=_carbon_ → hydro**carbon**, poly**carbon**ate
$	1자 이하의 글자수가 포함된 단어 검색 ex) colo$r=colo_r → **color**, **colour**
?	1자의 글자수가 포함된 단어 검색 ex) wom?n→ **woman, women**
A NEAR B	A와 B사이에 최대 15개의 단어 검색
A NEAR/# B	A와 B사이에 #개 이하의 단어 검색 ex) coffee NEAR/2 tree → **coffee tree**/ **Coffee** Shade **Tree**/ **COFFEE** WITH MARRANGO **TREE**
SAME	연구기관명 및 주소에서만 사용하는 연산자 ex) (Sungkyunkwan univ) SAME Suwon

Clarivate™

Uncover hidden connections

Navigate an interconnected web of multidisciplinary research to locate papers relevant to your work.





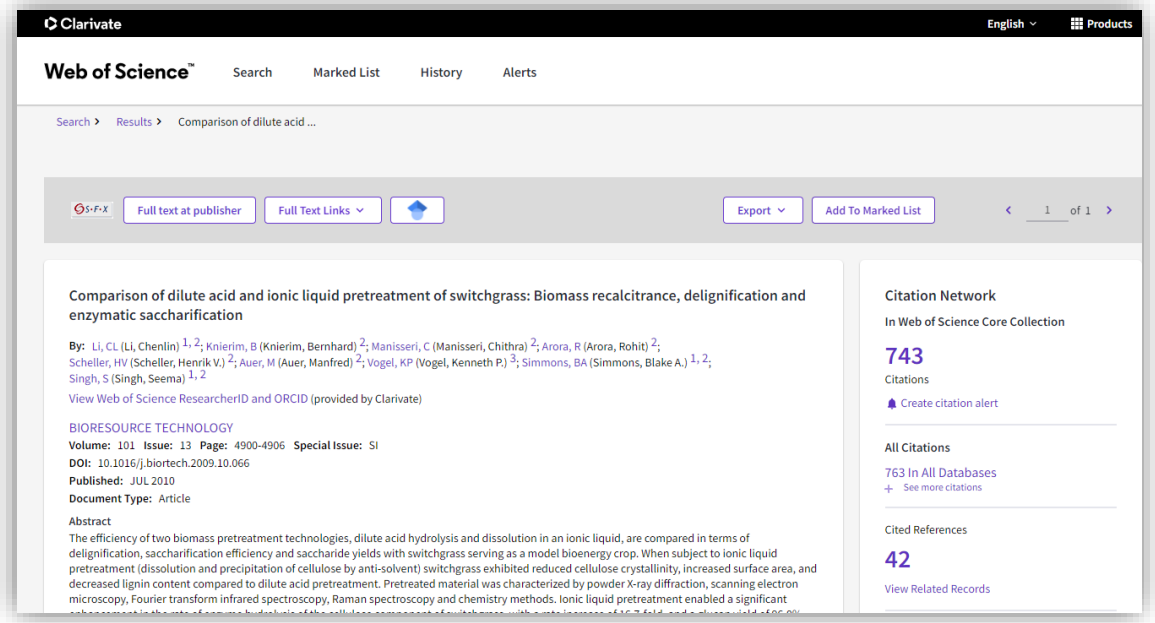
"…a citation index…tends to bring together material that would never be collated by the usual subject indexing. It is best described as an association-of-ideas index…"

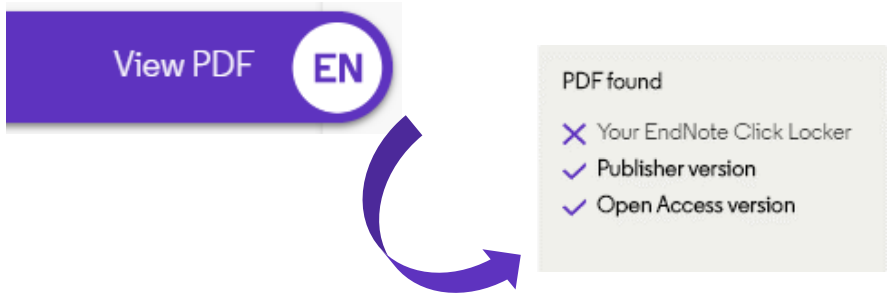
Dr. Eugene Garfield, *Science*, 1955

+ 이용하는 원문의 버전 확인

EndNote Click

One click to the best available PDF at your point of need, based on your library's subscription.





- ✓ Integrate full text access into your researchers' existing discovery workflows
- ✓ Increase the value of library subscriptions by making them an implicit component of ALL discovery paths
- ✓ Stretch the library's budget by making it easy to identify OA full-text when an article isn't part of your subscription

Browser Plug-in

Install in Chrome

Firefox Extension

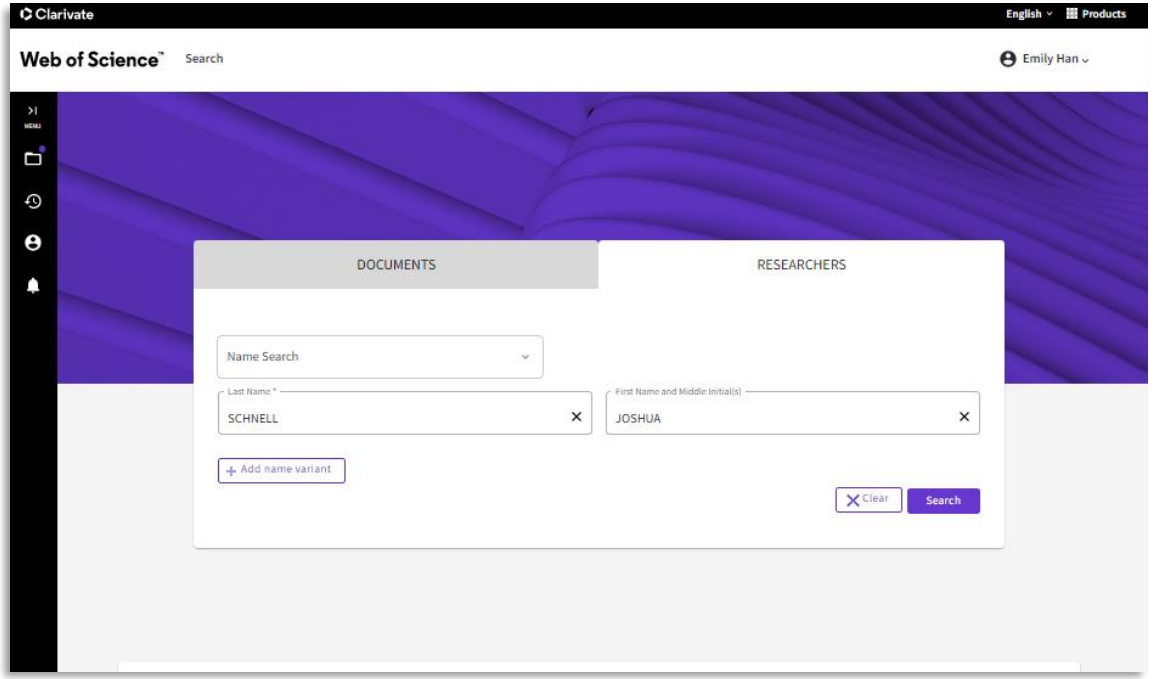
Learn more

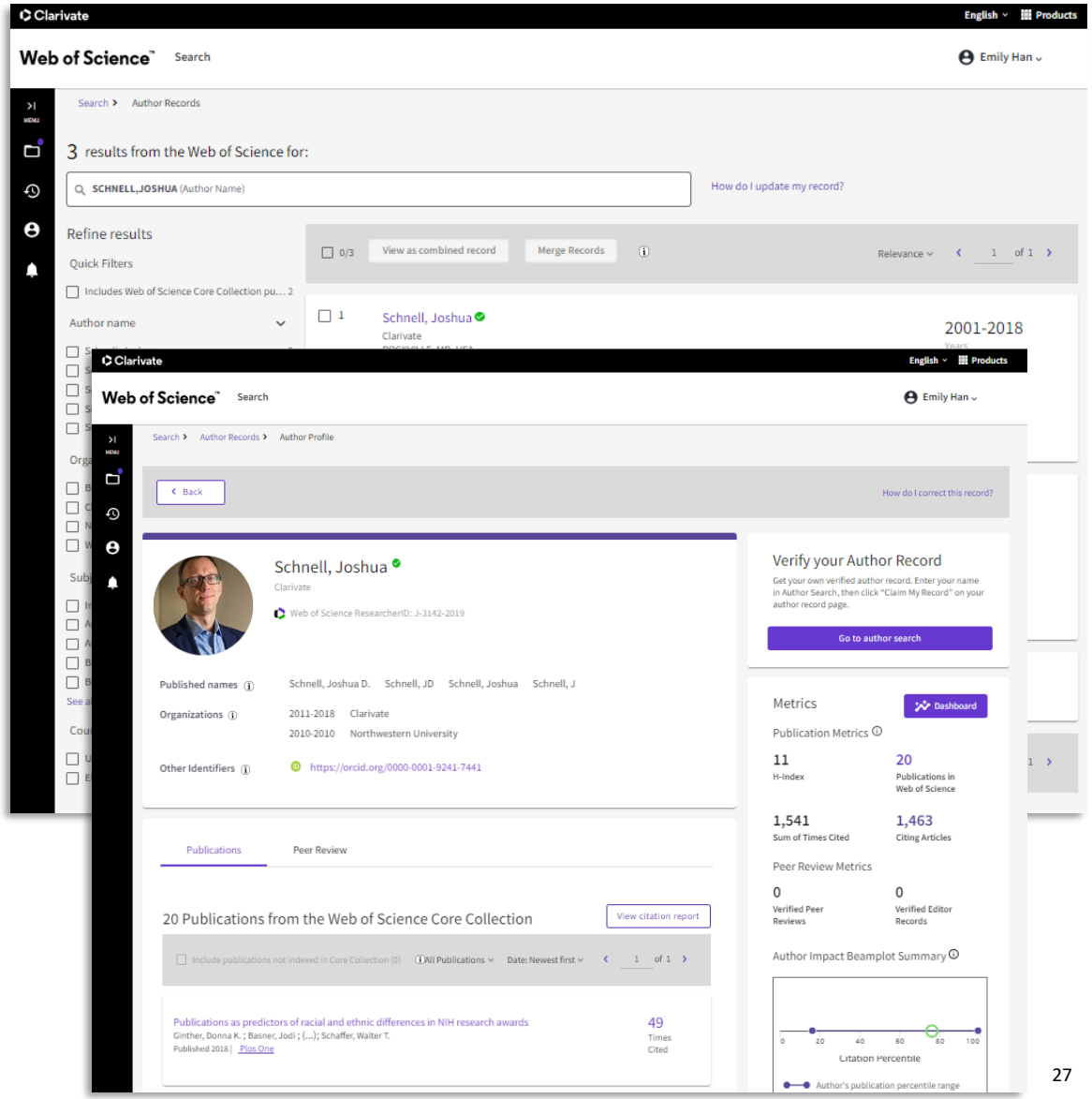
04

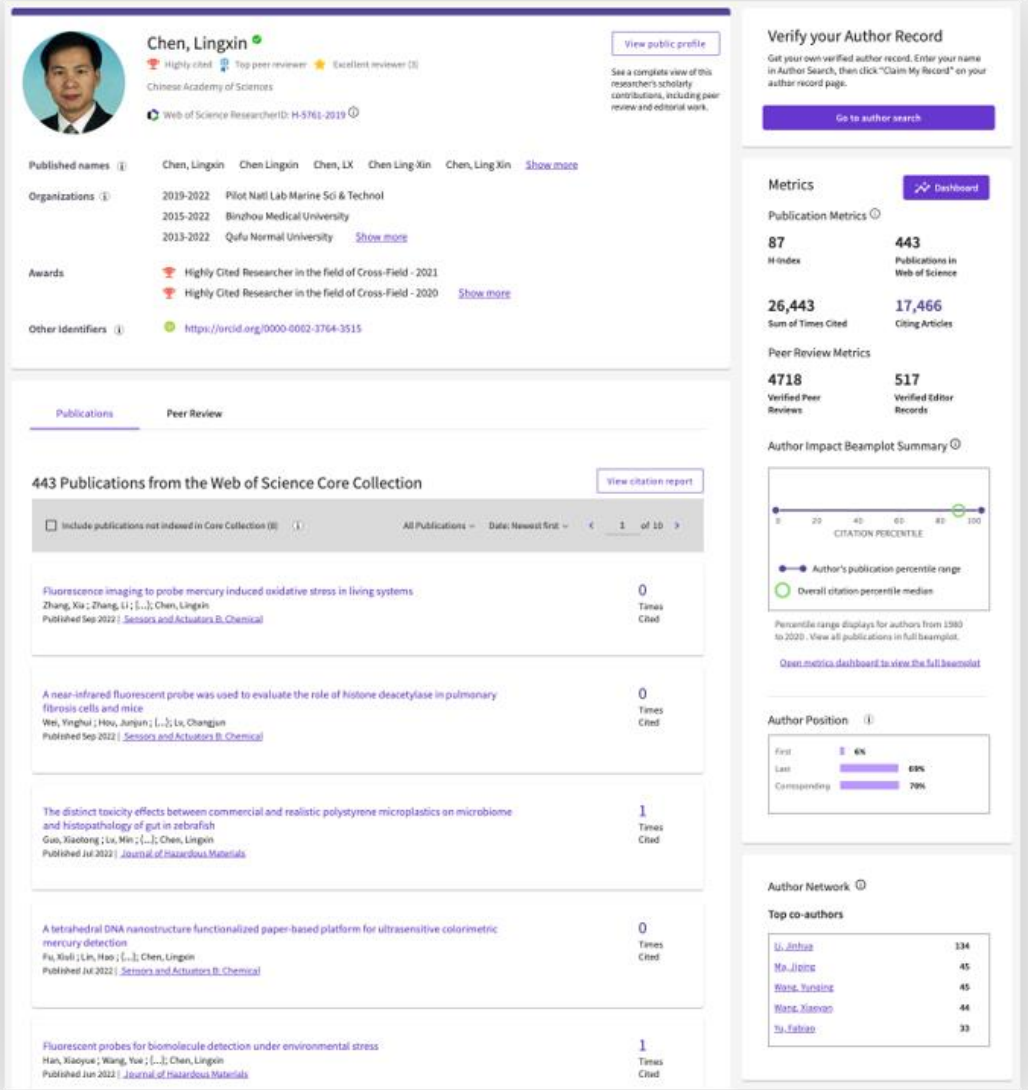
연구자 검색

- Researcher ID
- Researcher Profile

Web of Science 핵심컬렉션 기본 검색화면 > 연구자







Simplify profile management

Web of Science Researcher Profiles

- 연구자 이름, 기관명 편집
- 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

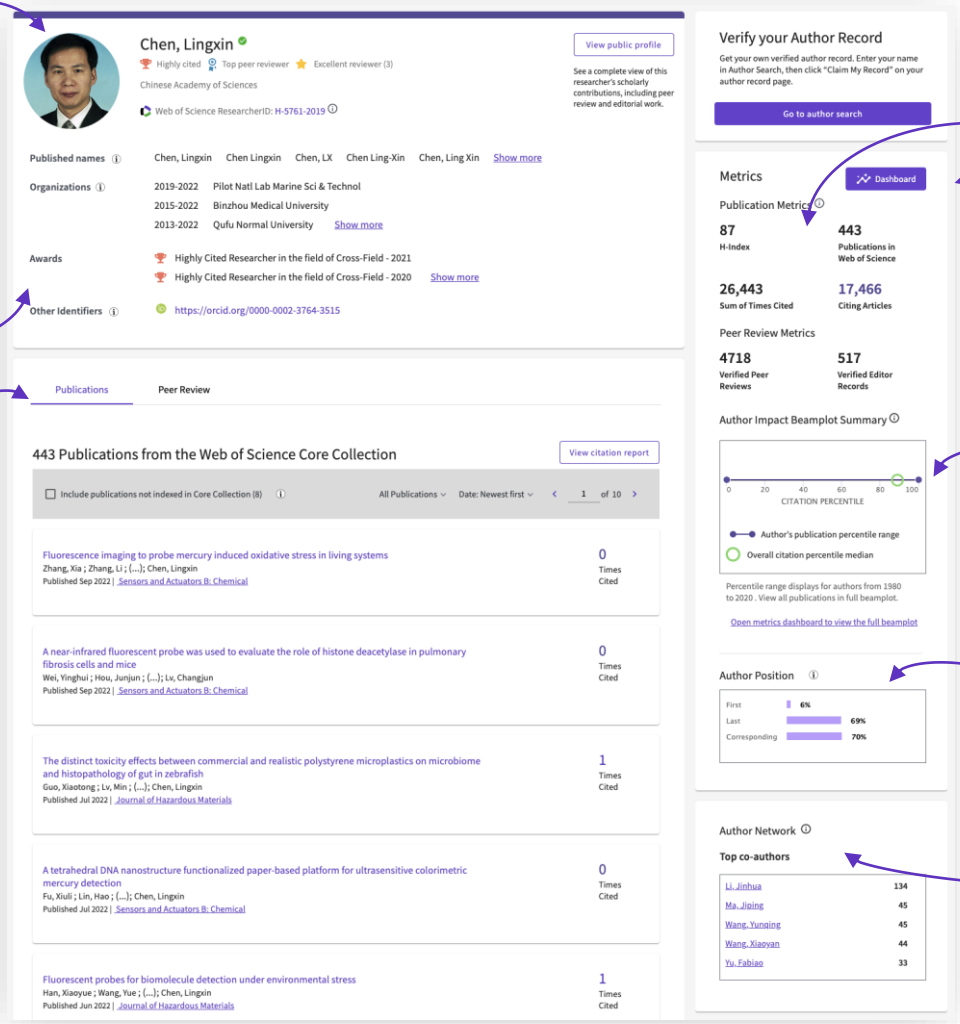
*2021 HCR 명단 및 방법론 링크

Researcher Profile 세부 구성

프로필 이미지,
표시 이름, 기관

기관 이력
수상 이력
ORCID 및 하이퍼링크

출판물 (Indexed and Non-Indexed)*
Peer review



H-index, 출판물 수,
인용 횟수, 인용 논문

Metrics dashboard

Web of Science
저자 영향력 빔플롯*

저자 위치 분석*

공동 저자 네트워크*

* WoS 개인 이용자 또는 미이용자는 제한적으로 표시됨

Stay up to date with researchers in your field

Web of Science Researcher Profiles의 알림 기능

Profile owner citation alerts

- 논문 인용에 대한 주간 이메일 알림을 설정해 연구자 논문의 영향력을 모니터링 하세요.

Author publication alerts

- 관심있는 연구자, 동료, 공동연구자를 팔로우하여 최신 연구 동향을 파악하고, 월간 이메일 알림을 통해 새로운 논문에 대한 알림을 받으세요.

Author citation alerts

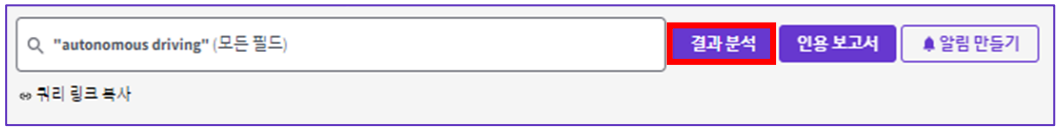
- 당신이 팔로우하는 연구자의 논문을 누가 인용했는지, 주간 이메일 알림을 통해 당신의 연구 네트워크를 발전시키세요.

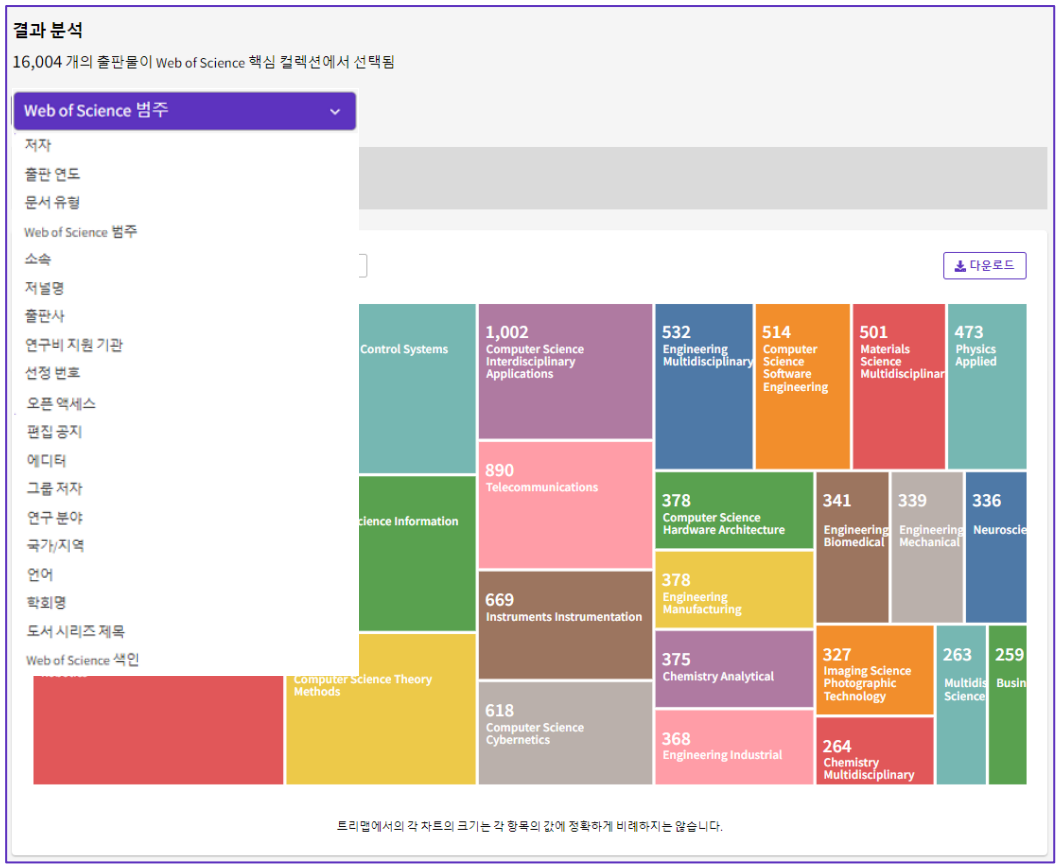
05

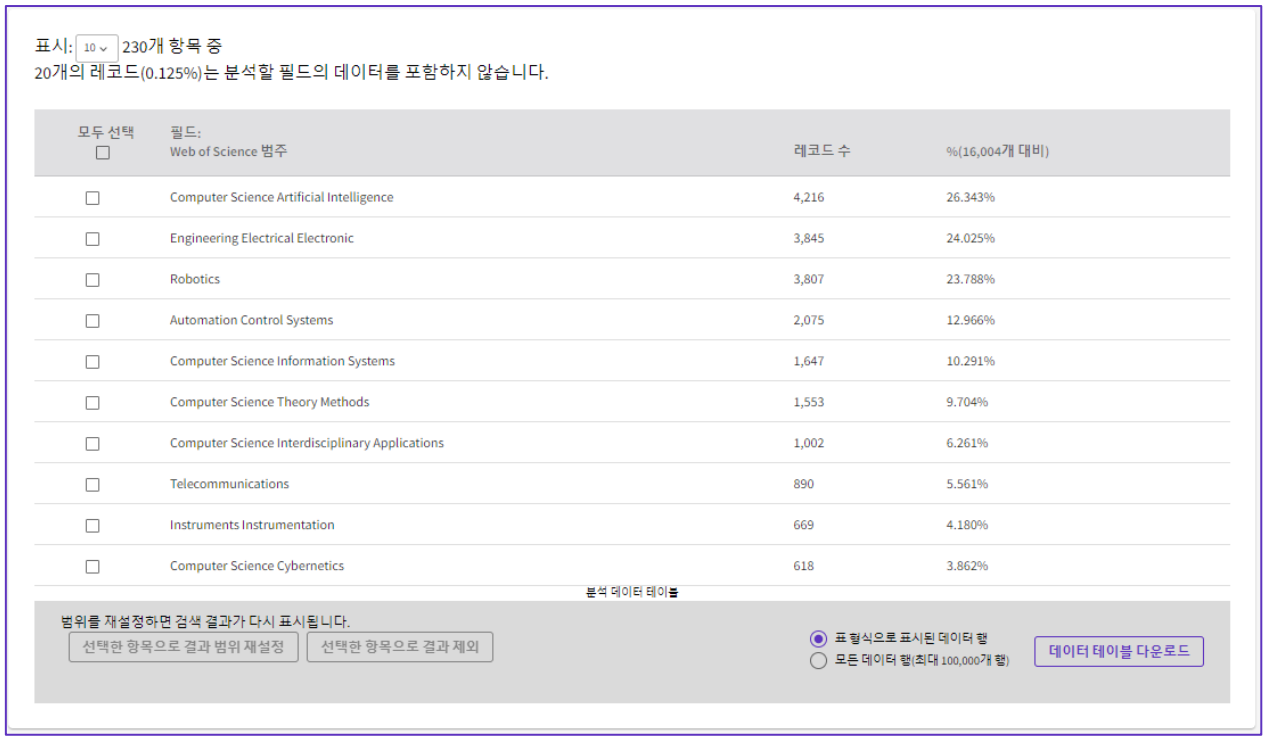
연구동향 분석

- Analyze Result (결과분석)
- Citation Report (인용보고서)

논문 검색 결과 분석


"autonomous driving" (모든 필드)
결과 분석
인용 보고서
알림 만들기
쿼리 링크 복사


결과 분석
16,004 개의 출판물이 Web of Science 핵심 컬렉션에서 선택됨
Web of Science 범주
저자
출판 연도
문서 유형
Web of Science 범주
소속
저널명
출판사
연구비 지원 기관
선정 번호
오픈 액세스
편집 공지
에디터
그룹 저자
연구 분야
국가/지역
언어
학회명
도서 시리즈 제목
Web of Science 색인
다운로드
1,002 Computer Science Interdisciplinary Applications
532 Engineering Multidisciplinary
514 Computer Science Software Engineering
501 Materials Science Multidisciplinar
473 Physics Applied
890 Telecommunications
378 Computer Science Hardware Architecture
341 Engineering Biomedical
339 Engineering Mechanical
336 Neurosci
669 Instruments Instrumentation
378 Engineering Manufacturing
375 Chemistry Analytical
327 Imaging Science Photographic Technology
263 Multidis Science
259 Busin
618 Computer Science Cybernetics
368 Engineering Industrial
264 Chemistry Multidisciplinary
트리맵에서의 각 차트의 크기는 각 항목의 값에 정확하게 비례하지는 않습니다.


표시: 10 230개 항목 중
20개의 레코드(0.125%)는 분석할 필드의 데이터를 포함하지 않습니다.
모두 선택
필드: Web of Science 범주
레코드 수
%(16,004개 대비)
Computer Science Artificial Intelligence 4,216 26.343%
Engineering Electrical Electronic 3,845 24.025%
Robotics 3,807 23.788%
Automation Control Systems 2,075 12.966%
Computer Science Information Systems 1,647 10.291%
Computer Science Theory Methods 1,553 9.704%
Computer Science Interdisciplinary Applications 1,002 6.261%
Telecommunications 890 5.561%
Instruments Instrumentation 669 4.180%
Computer Science Cybernetics 618 3.862%
분석 데이터 테이블
범위를 재설정하면 검색 결과가 다시 표시됩니다.
선택한 항목으로 결과 범위 재설정
선택한 항목으로 결과 제외
표 형식으로 표시된 데이터 행
모든 데이터 행(최대 100,000개 행)
데이터 테이블 다운로드

+ 투고 저널 추천 기능 활용

EndNote 온라인 Manuscript Matcher

EndNote 온라인의 저널 추천 기능

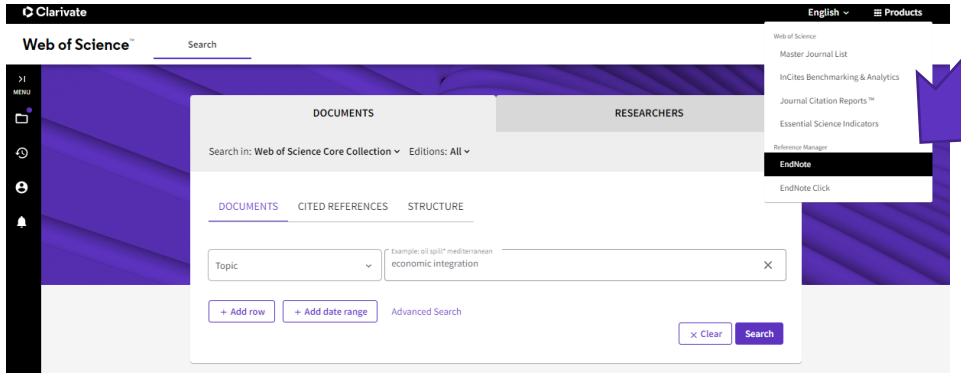
EndNote Online 로그인 필요

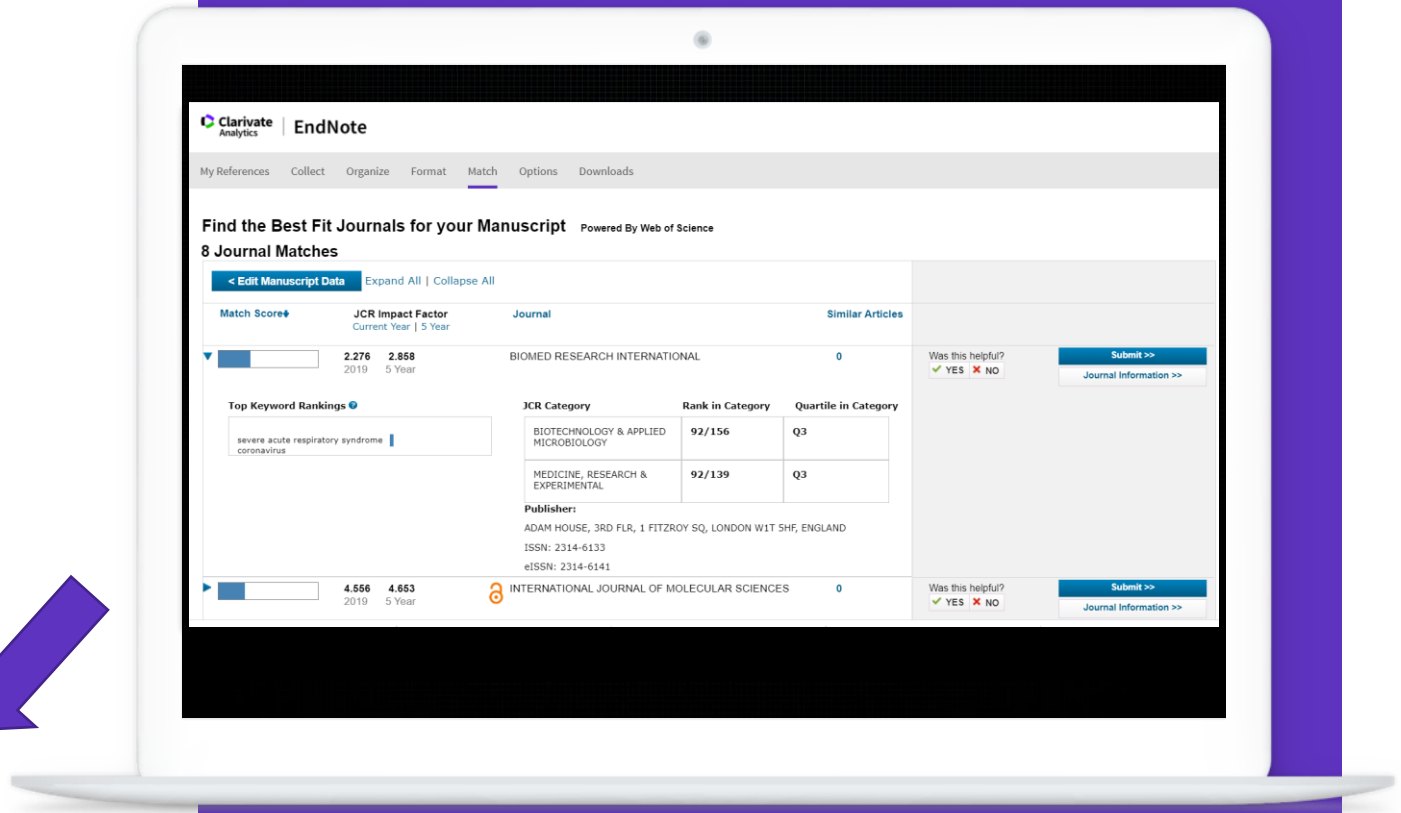
제목, 초록, 참고문헌 리스트를 기반

SCIE/SSCI 저널 10개까지 추천

추천 저널의 JIF*, 투고 페이지 링크 제공

(*JCR 구독권한 필요)

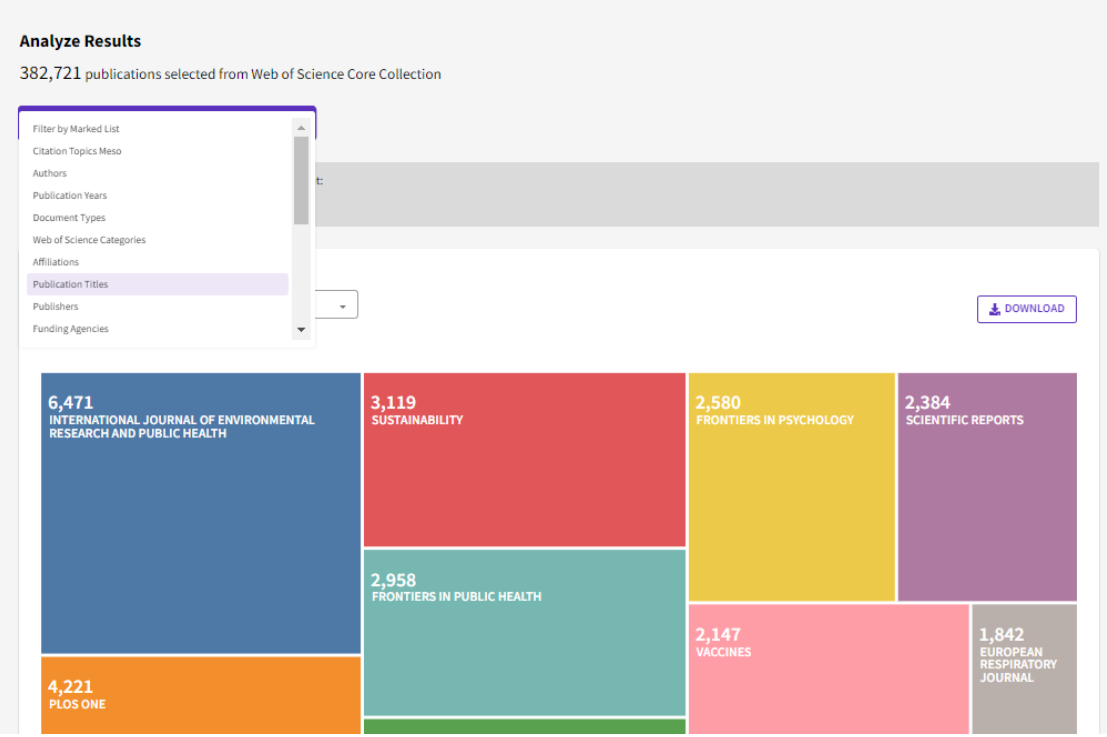


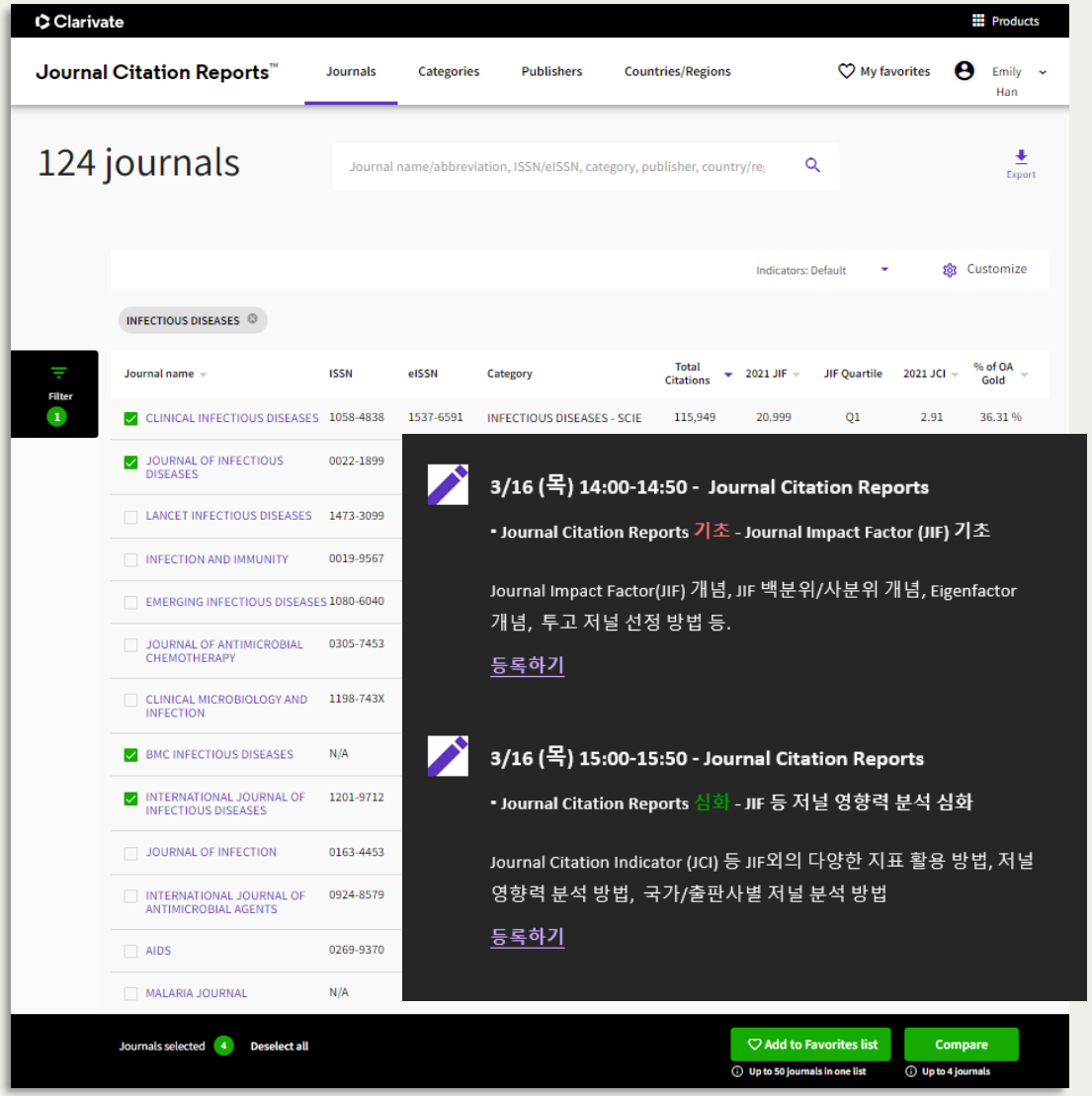


Discovering journal submission suggestions via Manuscript Matcher (링크)

결과 분석 > 저널명 (publication titles)

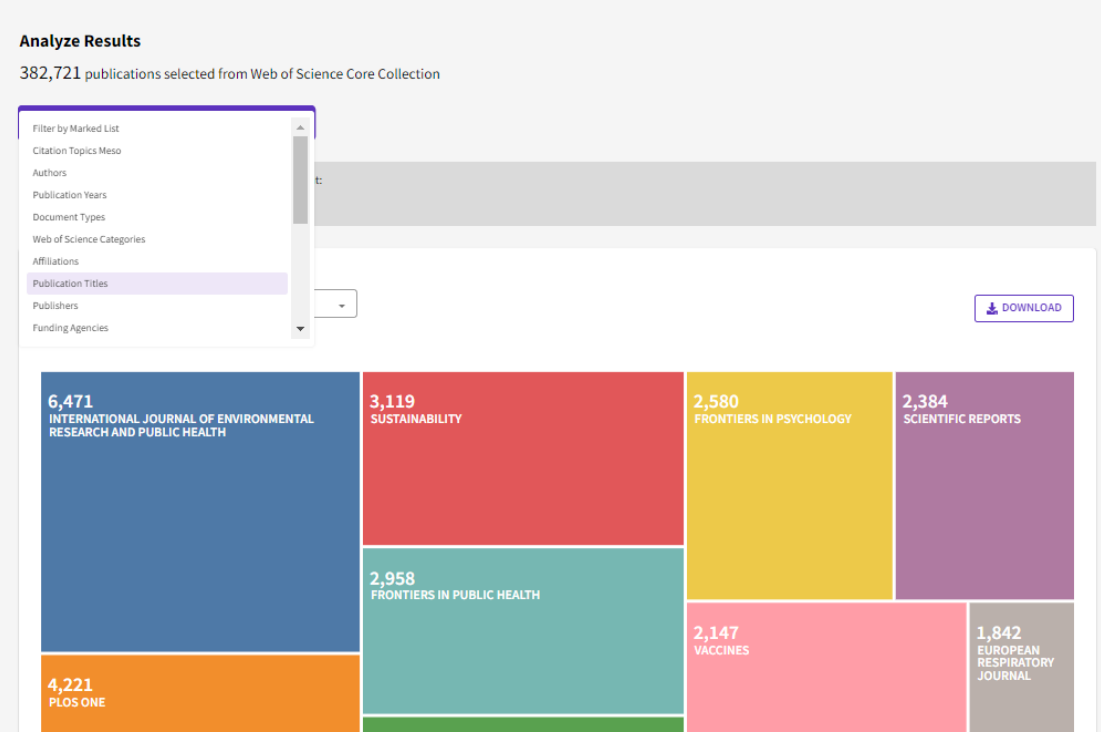
Web of Science + Journal Citation Report

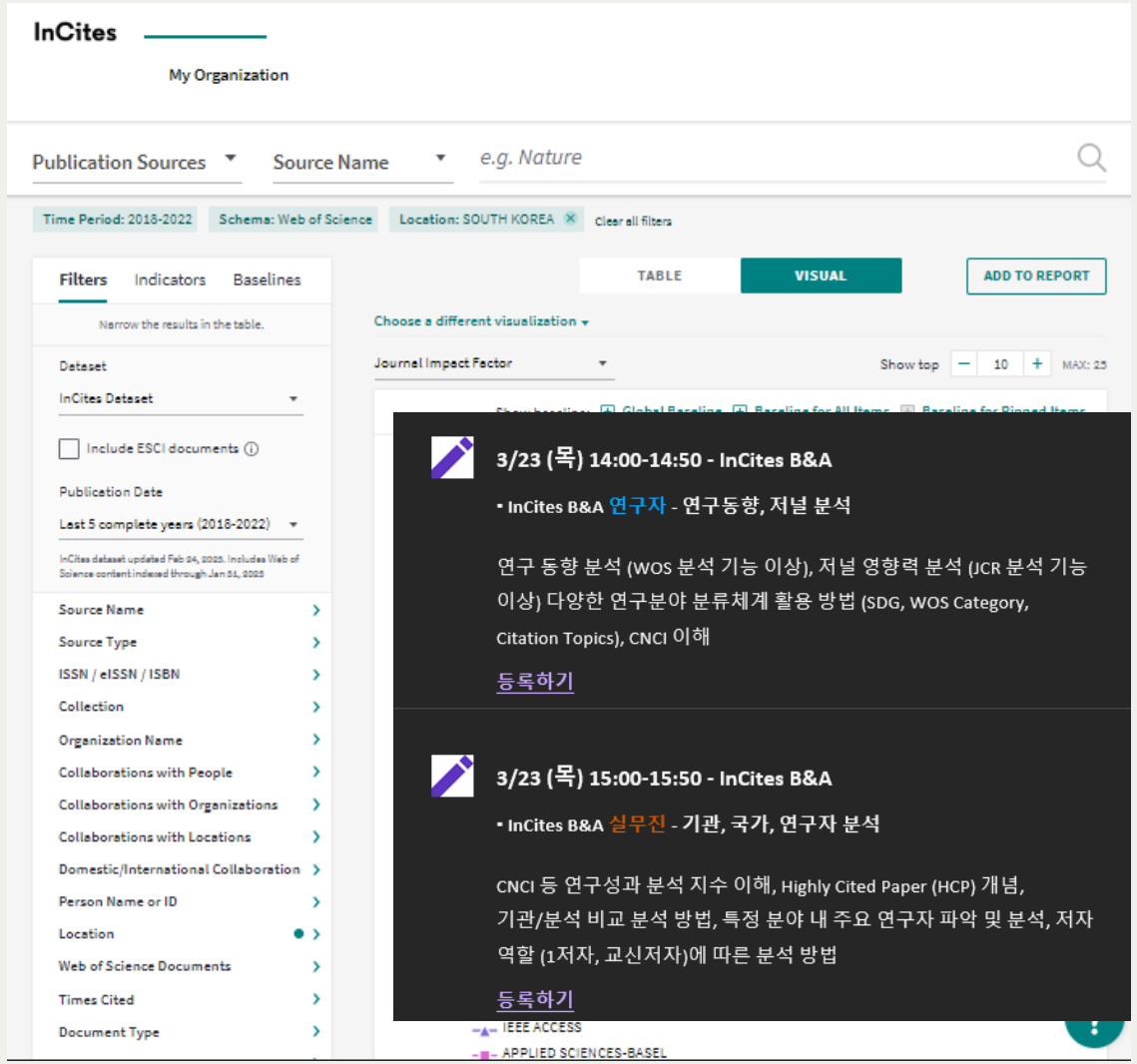




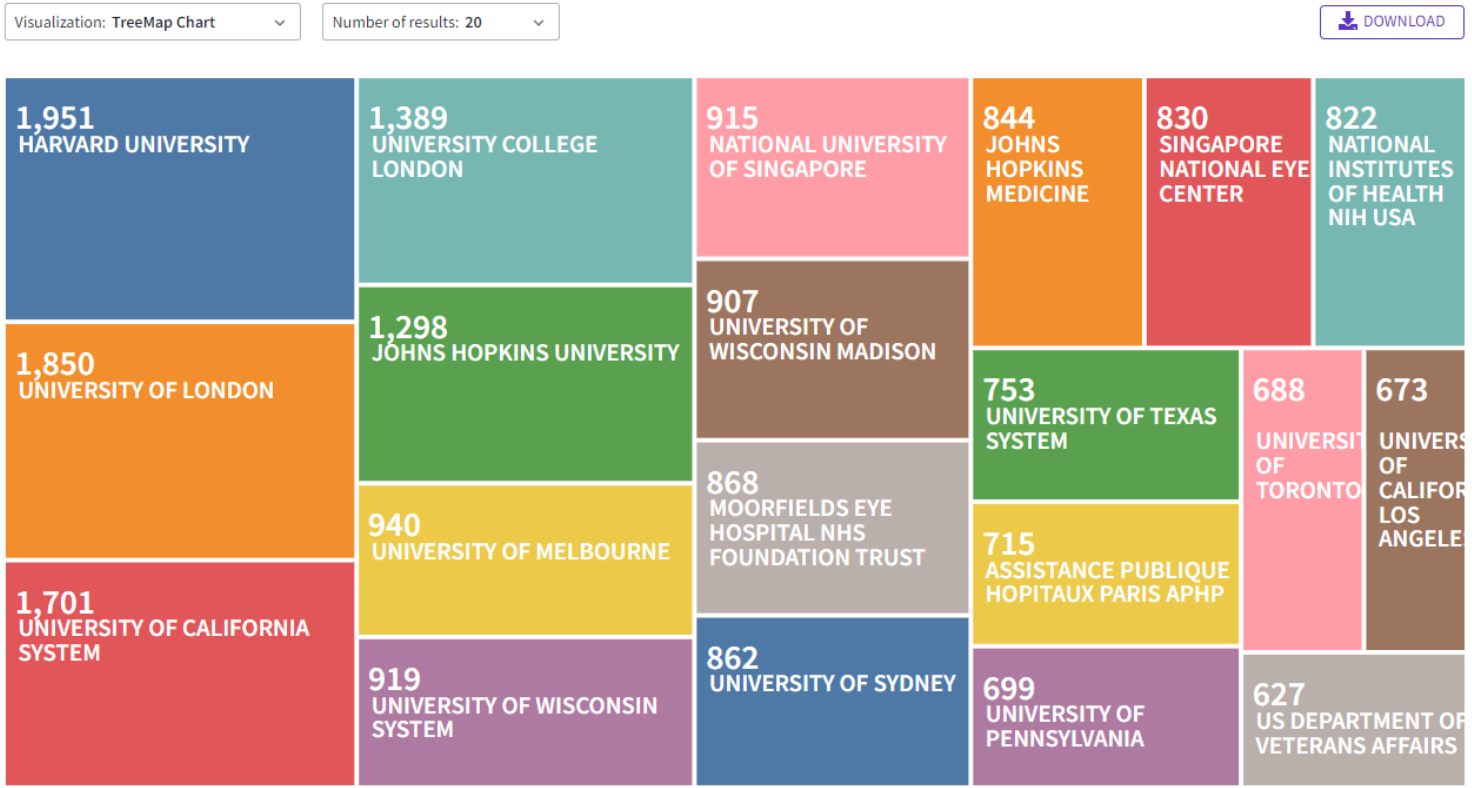
결과 분석 > 저널명 (publication titles)

Web of Science + InCites



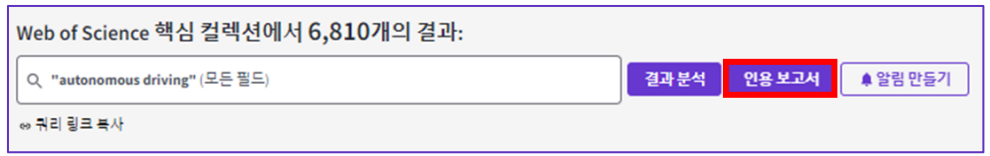


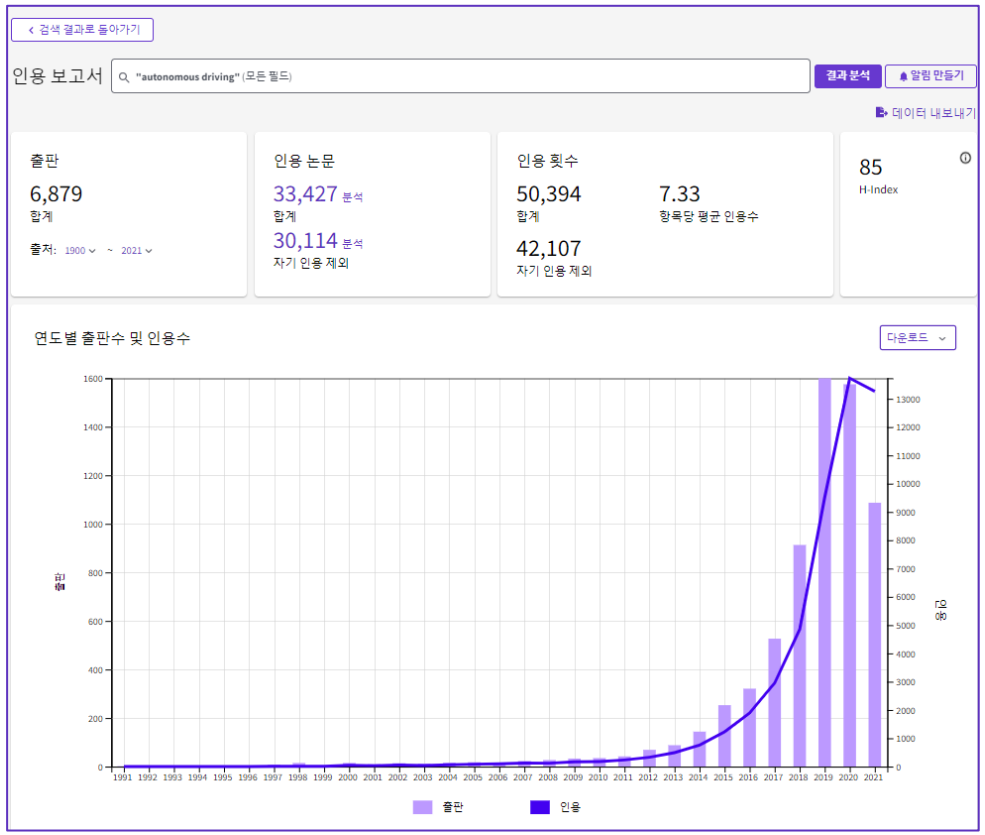
Determine which collaborators in industry, government and academia are the best partners to advance your research

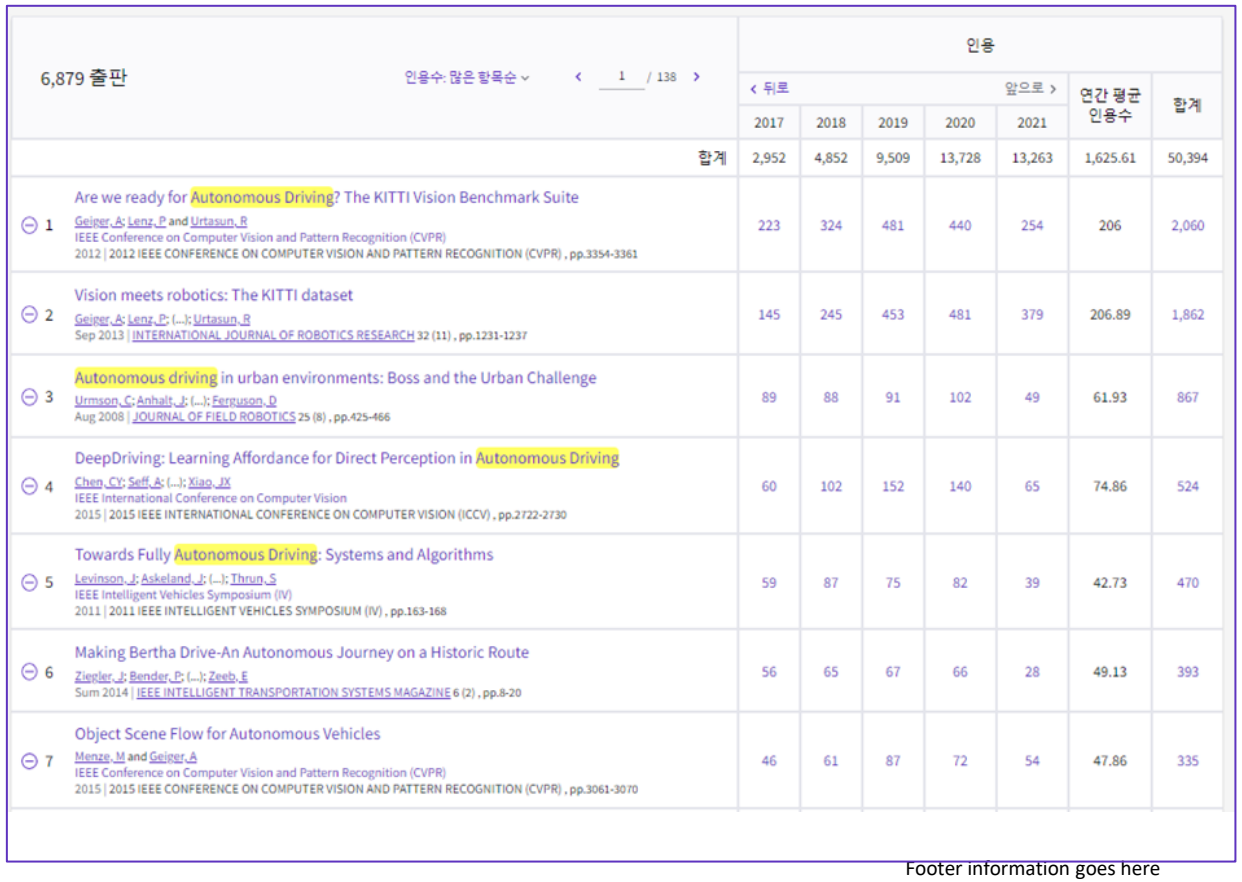


Identify the right collaborators– those who have a track record of authoring influential papers in the world's leading journals– and can make a positive impact on your institution's reputation.

인용 분석 (인용 보고서)







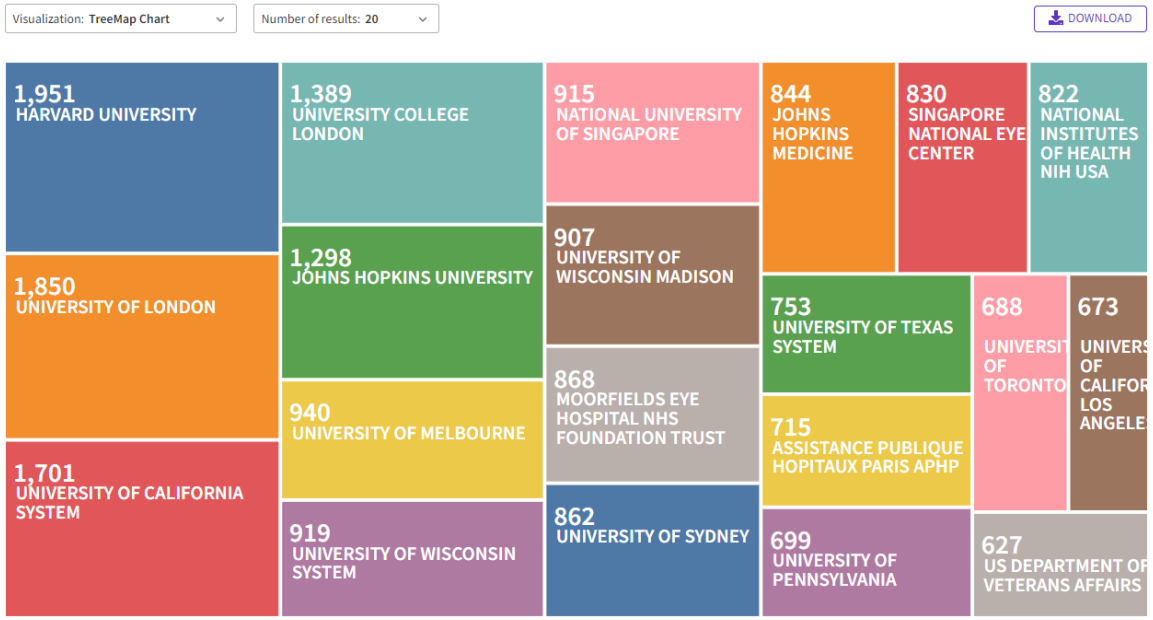
6,879 출판

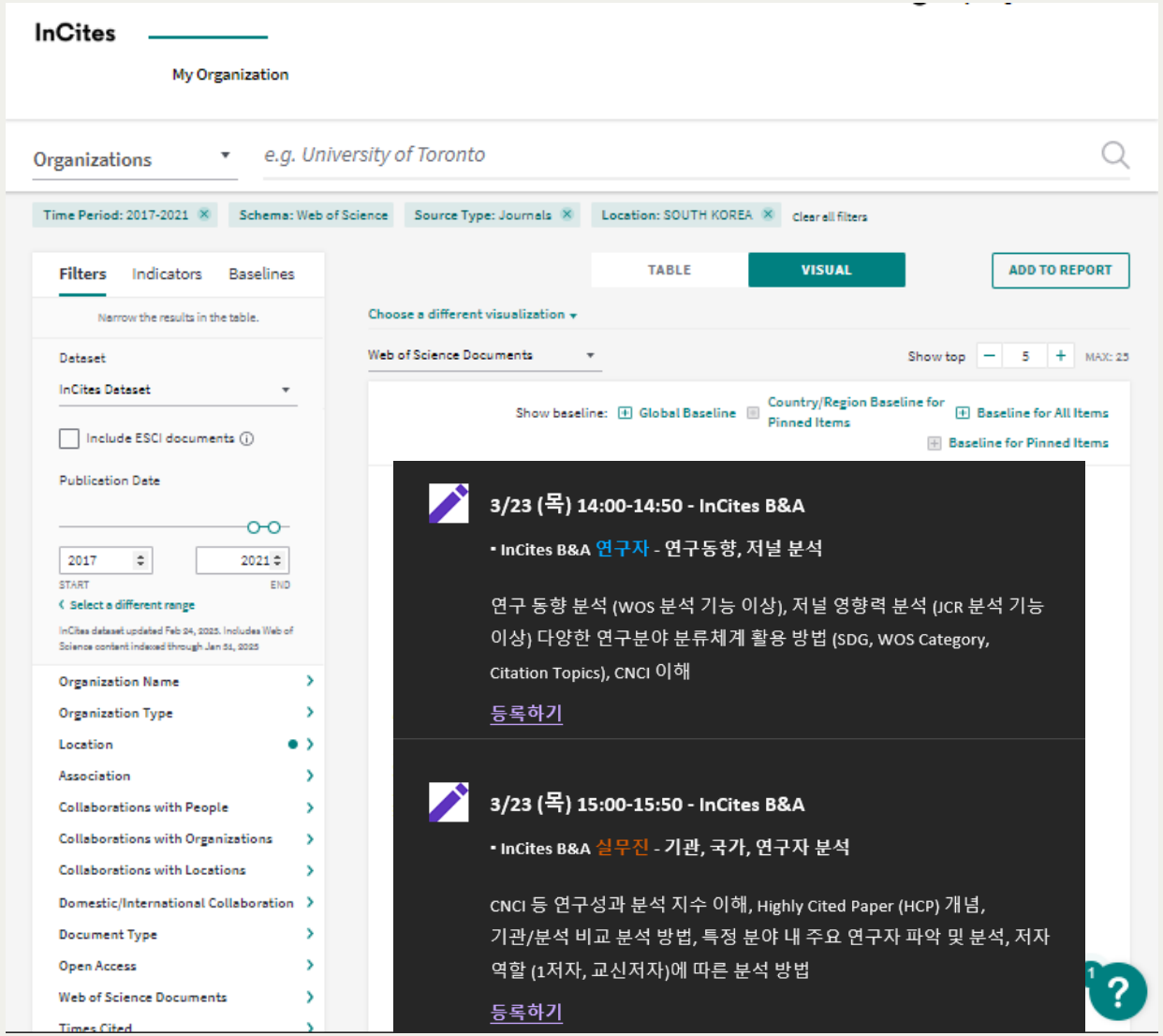
인용수: 많은 항목순 ‹ 1 / 138 ›

		인용						
		‹ 뒤로				앞으로 ›	연간 평균 인용수	합계
		2017	2018	2019	2020	2021		
	합계	2,952	4,852	9,509	13,728	13,263	1,625.61	50,394
1	Are we ready for Autonomous Driving? The KITTI Vision Benchmark Suite Geiger, A; Lenz, P and Urtasun, R IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2012 | 2012 IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION (CVPR) , pp.3354-3361	223	324	481	440	254	206	2,060
2	Vision meets robotics: The KITTI dataset Geiger, A; Lenz, P; (...); Urtasun, R Sep 2013 | INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH 32 (11) , pp.1231-1237	145	245	453	481	379	206.89	1,862
3	Autonomous driving in urban environments: Boss and the Urban Challenge Urmson, C; Anhalt, J; (...); Ferguson, D Aug 2008 | JOURNAL OF FIELD ROBOTICS 25 (8) , pp.425-466	89	88	91	102	49	61.93	867
4	DeepDriving: Learning Affordance for Direct Perception in Autonomous Driving Chen, CY; Seff, A; (...); Xiao, JX IEEE International Conference on Computer Vision 2015 | 2015 IEEE INTERNATIONAL CONFERENCE ON COMPUTER VISION (ICCV) , pp.2722-2730	60	102	152	140	65	74.86	524
5	Towards Fully Autonomous Driving: Systems and Algorithms Levinson, J; Askeland, J; (...); Thrun, S IEEE Intelligent Vehicles Symposium (IV) 2011 | 2011 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) , pp.163-168	59	87	75	82	39	42.73	470
6	Making Bertha Drive-An Autonomous Journey on a Historic Route Ziegler, J; Bender, P; (...); Zeeb, E Sum 2014 | IEEE INTELLIGENT TRANSPORTATION SYSTEMS MAGAZINE 6 (2) , pp.8-20	56	65	67	66	28	49.13	393
7	Object Scene Flow for Autonomous Vehicles Menze, M and Geiger, A IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2015 | 2015 IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION (CVPR) , pp.3061-3070	46	61	87	72	54	47.86	335

결과 분석 > 국가/기관

Web of Science + InCites



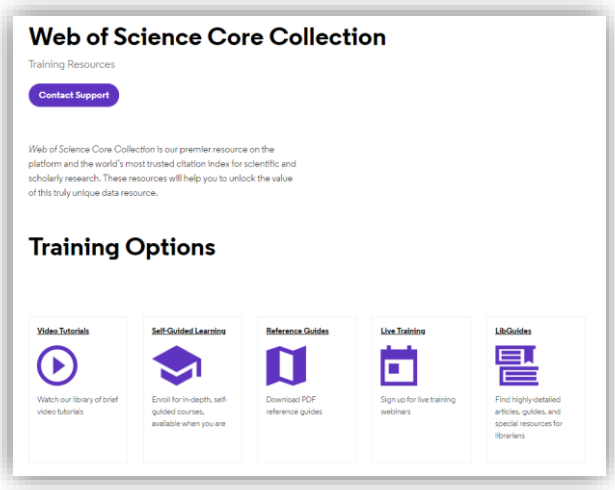


Resources for teaching and learning

Stay up to date on product developments, and provide on-demand support for students and faculty

Web of Science Learning Page

Point students and faculty to "how to" content available 24/7.

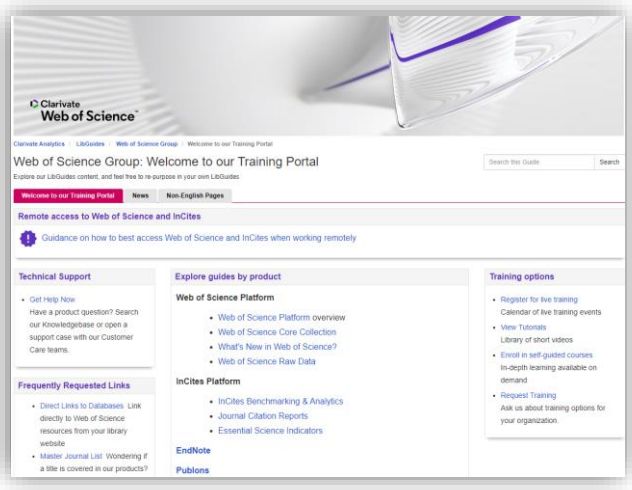


Learning Page

한국어 교육 영상

LibGuides

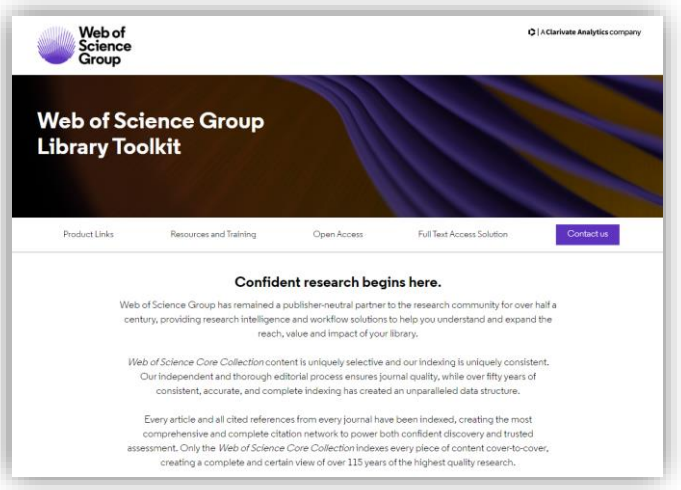
Save time updating your LibGuides by reusing pages from ours.



clarivate.libguides.com/home

Librarian Toolkit

Quick links to individual databases, factsheets, and more.



View Toolkit

감사합니다.

고객지원 및 기술지원 문의

ts.support.korea@clarivate.com

유선전화: 02-6105-4227

팩스: 02-722-8947

© 2022 Clarivate. All rights reserved. Republication or redistribution of Clarivate content, including by framing or similar means, is prohibited without the prior written consent of Clarivate. Clarivate and its logo, as well as all other trademarks used herein are trademarks of their respective owners and used under license.