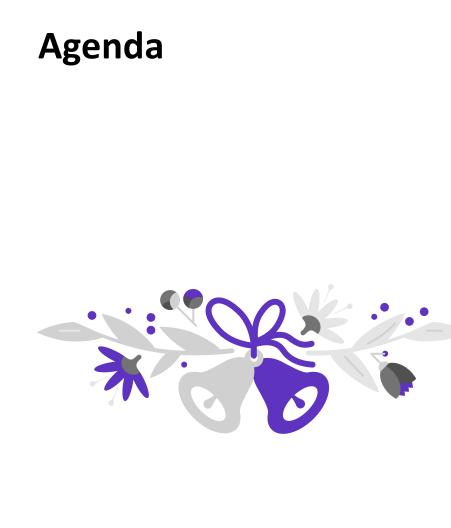


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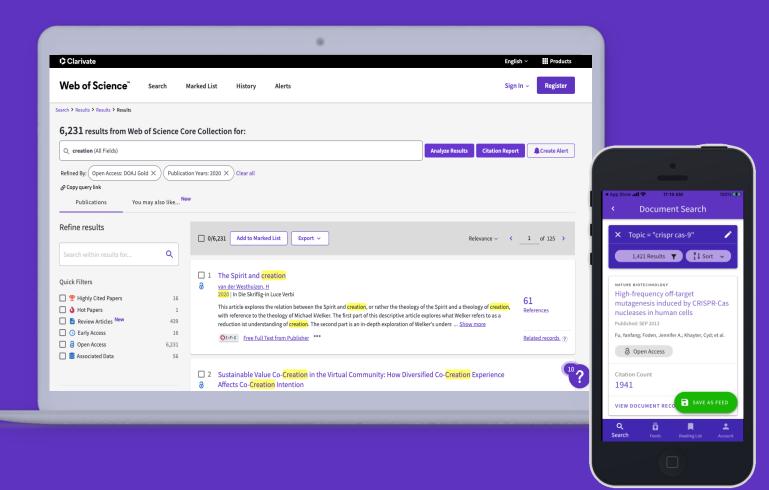
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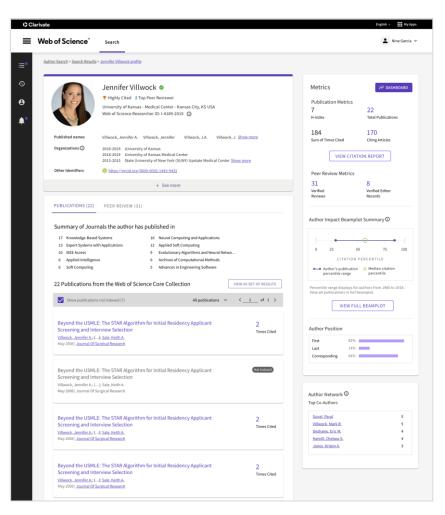


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Keywords

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Total Award Amount: \$189,862 USD		
Grant Type: Standard Grant		
Project Title: SHF:Small: Collaborative Researc	h: Rectification of Arithmetic Circuits with (Craig Interpolants in
Algebraic Geometry		
Program: Software & Hardware Foundation		
Start Date: 06-15-2019		
End Date: 05 - 31 - 2022		
Grant Duration: 2 years 11 months 22 days		
Co-Principle Investigator: Andrews, Sarah J.		
Unique ID:		
Email:		
Suborganizations: Direct For Computer & Info S	Scie & Enginr, Division of Computing and Co	ommunication
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Grant Summary: Arithmetic circuits are a critica	al component of computer, communication	and cyber-security
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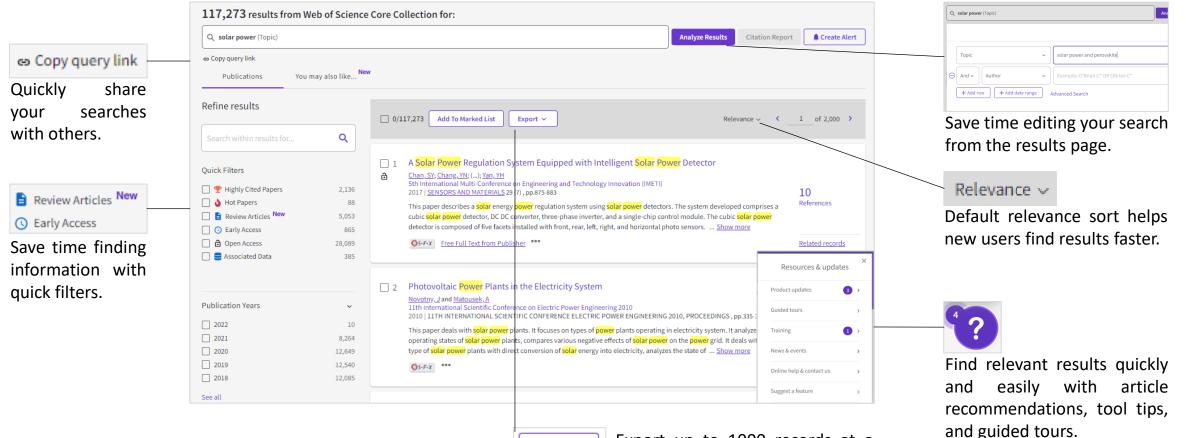
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Open Access >	Emerging Sources Citation Index (ESC	Q1	4.06	1.91 %	0
		Q1	8.15	0.32 %	J

Assess journals in over 250 categories including the arts and humanities.

72%

more journals were introduced in the 2021 JCR release (2020 data).

Journal Citation Indicator

Conduct cross-disciplinary comparisons

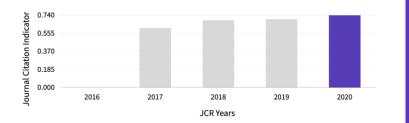
Assess journal performance with additional context

Introduced in 2021, the Journal Citation Indicator harnesses another Clarivate measure: Category Normalized Citation Impact (CNCI), a metric found in InCites. The value of the Journal Citation Indicator is the mean CNCI for all articles and reviews published in a journal in the preceding three years. Journal Citation Indicator (JCI)

0.74

The Journal Citation Indicator (JCI) provides a single journal-level metric where global average in a category is 1. Documents with a JCI of 1.5 have 50% more citation impact than the average in that category. Learn more

± Export



 Help your researchers draw better informed conclusions about journal impact.

New ways to browse JCR data

Browse by Publishers, Categories, and Countries/Regions

Categories by Group _o					
See all 254 Categories			Sort by: Alpl	habetical 🔹	
Ø Agricultural Sciences	NUMBER OF CATEGORIES	NUMBER OF JOURNALS	NUMBER OF CITABLE ITEMS		
🤣 Arts & Humanities, Interdisciplinar	NUMBER OF CATEGORIES	numeer of journals 960	NUMBER OF CITABLE ITEMS 33,885	C	
🔮 Biology & Biochemistry	NUMBER OF CATEGORIES	numeer of journals 3,892	NUMBER OF CITABLE ITEMS		
5,356 publishers	Journal name/abbreviation, ISS	N/eISSN, category, publisher		۹	
Publisher name 👻	N	umber of journals in 2020 👻			InCites Analysis
Springer Nature (Unified)		2,262		Ρ	ublisher report 🛛 🛛
Elsevier (Unified)		2,029		Ρ	ublisher report 🛛 🛛
Taylor & Francis (Unified)		2,023		Ρ	ublisher report 🛛 🛛
Wiley (Unified)		1,465		Р	ublisher report 🛛 🛛

- Identify a set of related categories using broad Groups and view aggregate metrics for each category.
- Conduct a deeper analysis of a publisher's or region's portfolio with quick links to InCites reports.



Journals API

Enrich your internal systems with trusted journal metrics & metadata



For more information, check out the <u>Journals API documentation</u> on our <u>Developer Portal</u>.

Support bibliometric analysis at your organization.

Gain programmatic access to:

- High quality metadata for all Web of Science Core Collection journals.
- Metrics including the Journal Impact Factor and Journal Citation Indicator.

Clarivate[®]

Changes for the 2023 JCR release

Starting from the 2023 JCR release, Journal Impact Factors will be expanded to all Web of Science Core Collection journals, including arts and humanities



Almost **9,000 journals** from more than 3,000 publishers will have a JIF for the first time.



At minimum, there will be a **5% increase** in journals from the Global South¹ that have a JIF.



There will be an **8% increase** in gold open access journals that have a JIF.

¹According to the United Nations definition: http://www.fc-ssc.org/en/partnership_program/south_south_countries



InCites Benchmarking & Analytics



Drive research excellence with InCites Benchmarking & Analytics



Revamped interface

Assess and report more easily with fewer clicks



New collaborations filters

Easily evaluate domestic and intramural collaborations



More flexible analysis

Define top performance at the threshold most meaningful to you



Citation topics

Identify the specific topics that drive research excellence



Enhanced visualizations

Explore InCites data more easily using interactive graphics



Publisher report

Make better informed collections management decisions

Citation Topics

Identify the topics that drive research excellence

: Citation Topics 🙁	Level: Micro 🗴	c	
		Find in table 👻	Sorted by Times Cited 💌
··· Rank ···	Web of Science Documents	Times Cited 🔹 🛛 …	% Documents Cited …
1	40,825	882,870	91.79%
2	42,629	734,313	90.35%
			a. aa%
	4 289 731 Electrom	agnatic	
	Fields		
	2.67 Category Norm Citation Impact	nalized	
≥0 ≥1	≥1	≥1 ≥2	≥ 2
	••• Rank •••	Rank Web of Science Documents 1 40,825 2 42,629	Rank Web of Science 1 40,825 882,870 2 42,629 734,313

Quickly understand which specific lines of inquiry are driving the strengths within your organization's research portfolio- or your peers' strengths.

Clarivate[™]

2022 Citation Topics reclustering

Evolving to reflect the current state of research



Adjusting incrementally

Continue previous analyses while identifying shifts in a discipline.

Annual reclustering maintains the Citation Topics structure while allowing for the introduction of new fields and movement between topics.

New papers are added to existing topics on a monthly basis.

Maintaining stability

Utilize a highly consistent classification schema.

Only 2% of papers changed Macro topics. While some topics shrunk and others grew, fewer than 9% of papers changed topics at the Micro level.



Adding new topics

Modify your map of research as the landscape changes.

Reclustering added 14 new Micro topics to the schema.

🗘 Clarivate

Shanghai GRAS schema

Monitor international ranking performance

≚	Chemistry	Computer Science & Engineering		vironmental
Clinical Medicine	1,522,964 Web of Science Documents	1,051,513 Web of Science		I,248 Web
3,684,308 Web of Science Documents	Physics	Materials Science & Engineering	Pharmacy &	Psychology
	1,324,021 Web of Science Documents	1,044,055 Web of Science	497,450 Web of Science	411,790
Biological Sciences 1,609,050 Web of Science Documents	Electrical & Electronic Engineering 1,058,634 Web of Science Documents	Human Biology Sciences 1,001,399 Web of Science	Agricultural Sciences 495,476 Web of Science Energy Science & 481,130 Web of Science	Education 345,123

Box size indicates Web of Science Documents (1)

Support strategic ranking goals by comparing the research performance of institutions, regions, and individuals in the same subjects used for ShanghaiRanking's **Global Ranking of Academic Subjects** (GRAS).



Publisher report

Make better informed collections management decisions

ublisher Name		Organization Name
Taylor & Francis (Unified) ×		Harvard University ×
g. IEEE CANADA	Q	e.g. University of Toronto
te range: 2015 V - 2019 V Dataset: InCites Dataset	Include ESCI	documents ①
blishing Output Open Access Most Cited Docum	ments Organ	izational Publication Profile
rganization Open Access with Publishe	r	
	r	
Open Access Profile for Organization Total open access by type for organization-affiliated authors in		Organization Total Open Access ···· Proportion of the organization's total output that is open access output (gold, bronze, green only)
rganization Open Access with Publisher		Proportion of the organization's total output that is open access output (gold, bronze, green only)
Dpen Access Profile for Organization Total open access by type for organization-affiliated authors in publisher titles		Proportion of the organization's total output that is open access output
Deen Access Profile for Organization Total open access by type for organization-affiliated authors in bublisher titles 500		Proportion of the organization's total output that is open access output (gold, bronze, green only)
Open Access Profile for Organization Total open access by type for organization-affiliated authors in oublisher titles		Proportion of the organization's total output that is open access output (gold, bronze, green only)
Deen Access Profile for Organization Total open access by type for organization-affiliated authors in bublisher titles 500		Proportion of the organization's total output that is open access output (gold, bronze, green only)
Deen Access Profile for Organization Total open access by type for organization-affiliated authors in bublisher titles 000 000		Proportion of the organization's total output that is open access output (gold, bronze, green only)

Quickly and easily determine your organization's contribution to a publisher's portfolio across multiple dimensions.

Clarivate[®]

New collaborations filters and indicators

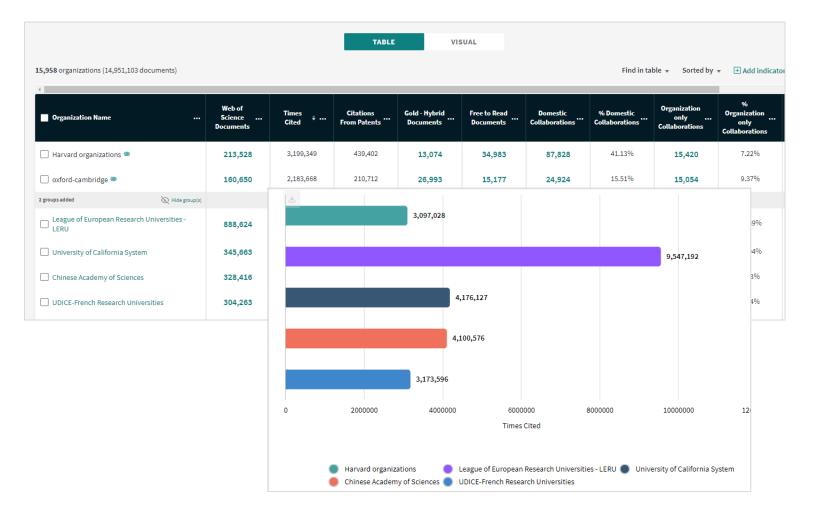
Gain a deeper understanding of your collaborations

FILTER BY:	organizations (2,185,760 documents) Find in table 👻 Sorted by Organization Name 👻 🛨 Add in									
Domestic/International Collaboration		Web of			%	Search indicators				
Domestic/International Collaboration	Organization Name +	Science … Documents	Rank ···	International Collaborations	Internatio Collaborat			*		
All 👻] Yale University	61,021	1	23,294	38.17					
All Domestic] Washington University (WUSTL)	43,004	2	13,331	31%	Organization only				
International] Vanderbilt University	40,175	3	12,229	30.44	Collaboration				
None] University of Wisconsin Madison	51,262	4	16,906	32.98	 % Organization only Collaborations 				
] University of Washington Seattle	73,937	5	27,807	37.61					
	University of Virginia	29,821	6	9,339	31.32	31.32 REPUTATION		*		
Update results	University of Utah	37,148	7	11,001	29.61	614 Cancel				
	University of Toronto	113,050	8	59,240	52.4%	% 32,605	28.84%	11,354		
	University of Texas Austin	39,648	9	14,587	36.79	% 13,522	34.11%	7,064		
	University of Southern California	41,505	10	14,471	34.87	% 16,280	39.22%	7,050		
	University of Rochester	22,930	11	8,287	36.14	% 8,442	36.82%	4,557		
	University of Pittsburgh	58,326	12	19,173	32.87	% 24,087	41.3%	11,212		
	University of Pennsylvania	79,917	13	25,804	32.29	% 34,885	43.65%	12,500		

Easily assess the performance of your domestic and intramural collaborations to better understand areas of strength in your research portfolio.

New Groups feature

Conduct highly customized comparisons



- Analyze uniquely defined sets of papers by creating your own groups of researchers, organizations, locations, and more.
- Quickly explore how adding researchers would affect the impact of a team or research unit.

Citations from patents indicator

Highlight your contribution to the innovation process

Research Area	Web of Science Documents	Times Cited	Citations From Patents 🗘	Category Normalized Citation Impact
03 Good Health and Well-being	15,491	304,531	30,363	1.85
07 Affordable and Clean Energy	291	9,320	1,715	1.48
13 Climate Action	947	21,577	1,346	1.65
05 Gender Equality	4,979	67,777	960	1.73
06 Clean Water and Sanitation	382	6,596	395	1.32
11 Sustainable Cities and Communities	879	15,922	382	1.46
14 Life Below Water	882	16,385	13	1.67
🗌 01 No Poverty	294	3,716	0	1.67
O2 Zero Hunger	450	6,029	0	1.5

- Demonstrate the influence of your organization's work on commercialized research.
- Identify the fields in which your research contributes significantly to real world outcomes.



More flexible analysis

Find answers faster using a system that works with you



Top % Documents filter

Define top performance at the threshold most meaningful to you– whether you want to see the top 3%, 13% or 33% of documents based on citation percentile.

Paste multiple identifiers

Save time creating reports on specific individuals and teams with the ability to copy and paste multiple ResearcherID or ORCID identifiers into Unique ID search.



Store and share datasets

more than twice as many

custom datasets per user

possible in the system and

share datasets with your

Create and work with

than was previously

colleagues.

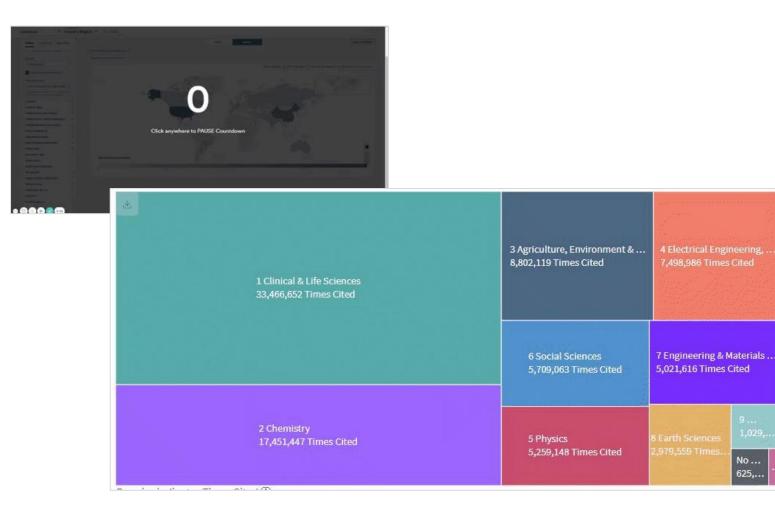
*== *== *

Self citation indicators

Evaluate self-citation impact with new indicators for WoS Author Record analyses: Times Cited without Self-Citations and H-Index without Self-Citations.

Enhanced visualizations

Explore InCites data more easily



- Quickly understand a country or region's output by zooming in on the geographic map.
- Easily explore the different citation topics in your area of interest with the tree map.

Clarivate[™]

APIs



Enrich your business intelligence systems with trusted data

Overview of enhancements to Web of Science APIs





New Journals API

Gain programmatic access to trusted metadata for all Web of Science Core Collection journals, and metrics including the Journal Impact Factor and Journal Citation Indicator.

New Starter API

Integrate basic Web of Science metadata into your systems more easily with the freely available Web of Science Starter API.

New Researcher API

Provides researcher-level metadata from Web of Science Researcher Profiles and metrics.

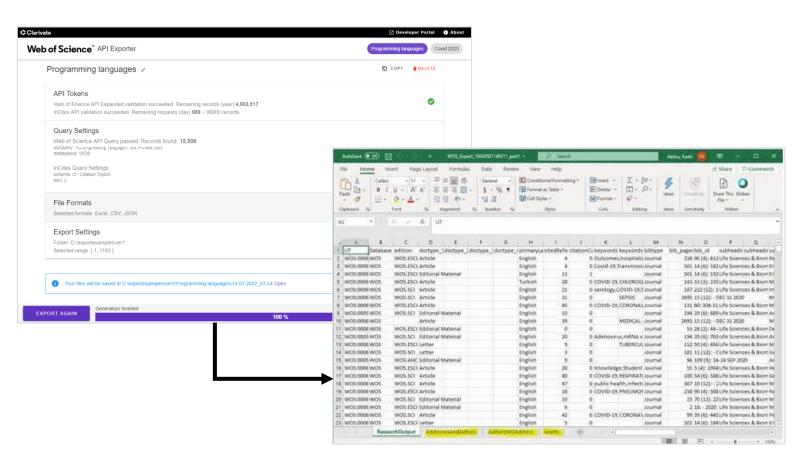
New download application

Easily export data from the Web of Science Expanded API to Excel using a new desktop application designed for users with no coding experience.



Web of Science Excel Converter

Easily export the data you need

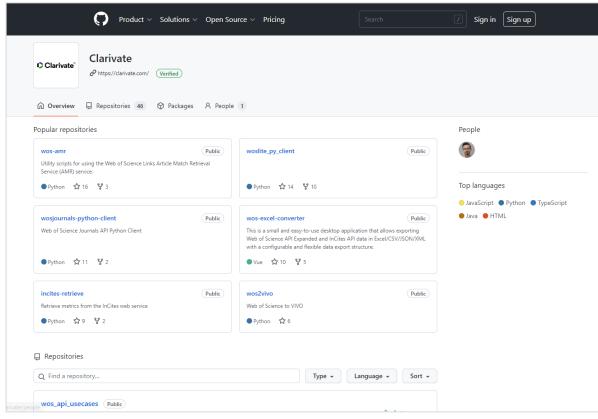


Easily export data from the Web of Science Expanded API to Excel using a new desktop application designed for users with no coding experience.

Access at https://github.com/clarivate/wos-excel-converter/releases/

Clarivate GitHub

Save time integrating data into your systems



Save time and effort working with Web of Science APIs using a new suite of helpful tools and resources on GitHub.

Access at https://github.com/clarivate

Clarivate + ProQuest

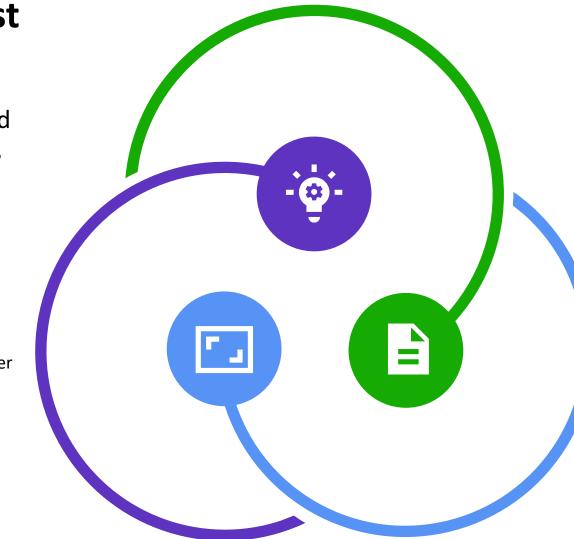


Clarivate + ProQuest

Complementary resources and expertise that enable libraries and universities to fulfill ambitious missions

Clarivate

Analytics for better decision-making



ProQuest

Content that drives research excellence and student success

Ex Libris and Innovative

SaaS solutions for more efficient library and university workflows

Clarivate[™]

Product integration roadmap

Connecting data & improving workflows across products

SIMPLIFY REFERENCE MANAGEMENT

- Export directly from Web of Science to RefWorks
- Export directly from ProQuest Platform to EndNote
- Connect to full text using Alma-Primo links
- Search ProQuest Platform within EndNote

RESEARCH SMARTER

- ✓ Link to discovery platforms from Web of Science search results
- Integrate Web of Science backfiles into Primo and Summon discovery layer
- Connect Web of Science cited references to ProQuest full text
- ✓ Integrate Web of Science article and journal metrics into ProQuest Platform, Primo, and Summon (for mutual customers)

SECURE FUNDING & SHOWCASE EXPERTISE

- Display awarded grants information on Web of Science Researcher Profiles
- Link funding information and profiles in Web of Science to Pivot-RP awarded grants and open opportunities
- ✓ Integrate Web of Science and InCites metrics and data into Esploro
- Add funding data from Web of Science to Author Profiles in Esploro

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New integrations for EndNote and RefWorks released in 2022

Simplify reference management



Build your library faster

Streamline more user workflows with direct export from Web of Science to RefWorks and from the ProQuest Platform to EndNote.



Save time exporting

Export metadata along with the full text document when you send results from the ProQuest Platform to EndNote.



Expedite PDF retrieval

Help students and researchers collect PDFs by connecting Alma to the Find Full Text feature in EndNote.



Broaden your search

Find relevant papers across more content sets from one intuitive interface—ProQuest databases are now available for search directly from EndNote.



Web of Science integrations

Research smarter, wherever you start your process

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Accelerate access

Unlock more efficient full text access with customized links to your holdings for all cited references in Web of Science. *H2 2022*

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Expand discovery

Increase use of your holdings and enhance resource discovery with Primo/Summon results links displayed alongside Web of Science search results. *H2 2022*

}

Connect research

Access a network of related research from one result with Web of Science citation counts on the ProQuest Platform. *H1 2023*



Gain deeper insight

Learn more about journals and authors publishing papers of interest with Journal Impact Factor* and Web of Science Researcher Profile information embedded into ProQuest Platform. *H1 2023*

Clarivate

Connecting grant data

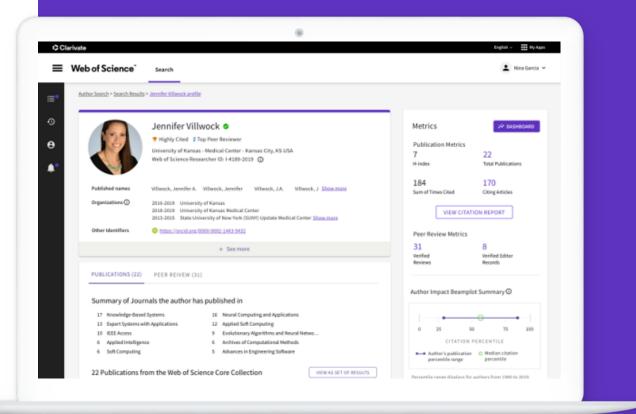
Secure more funding

Promote your sponsored projects

Showcase successfully funded projects and assess potential collaborators with awarded grant data on Web of Science Researcher Profiles. *H1 2023*

Find new funding opportunities

Locate new sources of funding as you research your project with linking between Web of Science records and Pivot-RP open funding opportunities. *H1 2023*



Clarivate

Future product integration concepts

Selected developments under consideration

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Better collection management

Integrate Alma and InCites Benchmarking & Analytics for a more complete picture of collection needs across your institution

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Enriched product value

Web of Science expands to include dissertations and theses

Linking from Web of Science to books on eBook Central

n C

Unified researcher profile

Aligning researcher profiles across Web of Science, Esploro, and Pivot for a complete 360° view of the researcher

~

Research administration efficiencies

Converis + Esploro for joint view of systems. Bringing the best of both solutions for world-class research management

Clarivate

Upcoming enhancements



Upcoming enhancements

Accelerating academic discovery



Locate papers with real world impact using the new **Citations From Patents indicator.** Web of Science, H2 2022



Enjoy an improved EndNote Online interface, enhanced for accessibility and integration. EndNote, H1 2023



Stay current on the latest research and easily assess preprint quality with the new preprints index on the Web of Science platform. Web of Science, H2 2022

Clarivate

Improving research assessment



Recognize critical peer review contributions in evaluations with peer review indicators in InCites Benchmarking & Analytics. InCites, H1 2023



Assess researchers more comprehensively with awarded grant data and patents on Web of Science Researcher Profiles. Web of Science, H1 2023



Find best-fit journals and assess more of your collection using Journal Impact Factor, which will be extended to all Core **Collection journals.** Journal Citation Reports, H1 2023

Connecting the research ecosystem



Populate your systems with high-quality, disambiguated author data and metrics using the new Researcher API. H2 2022



Analyze the connection between subscriptions and research outcomes at your institution with Alma and InCites integration. InCites, H1 2023 © Clarivate 2022 49



Vă mulțumesc

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Resurse suplimentare

<u>Web of Science Learning</u> >

<u>Web of Science Academy</u> >

Events & Webinars >

<u>LibGuides</u> >

<u>Videos</u> >

<u>Web of Science Blog</u> >

<u>Web of Science news hub</u> >

<u>Researcher Recognition ></u>











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