





Formación de Web of Science

Sesión A5 – Navegar por la red de citas

Anne Delgado 19/05/2023



- Los beneficios de la indexación de citas
- Identificar documentos altamente citados
- Crear y analizar un informe de citas
- Descubrir las citas de cualquier trabajo
- Filtrar por Citation Topics
- Explorar las referencias citadas enriquecidas
- Utilizar la clasificación de las citas

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Web of Science Core Collection as a True Citation Index

Obtaining complete citation numbers





 Indexing Cover-to-Cover

Every issue of any covered journal is indexed with no content gaps.

Every item of any published issue is indexed (all contributions within a given journal are included). • Indexing Cited References

Articles can be listed in WoS-CC in two ways: as a "source" article and as a "cited reference".

Every cited reference is indexed whether it refers to a covered source or to a source that is not covered.



Track the development and evolution of ideas

Find early discoveries in conference literature and explore their progression in journal literature and books.



Uncover related research via citation linking

Leverage a powerful citation network to find papers that have cited works of art, fiction, data models, government reports, and other material.

The benefits of citation indexing

Go beyond searching to find relevant papers

- Cited References the research that a paper cites •
- Times Cited more recently published papers that cite the paper
- Related Records papers which share at least one cited reference in common • with the paper. If they share citations, they're likely discussing similar topics.





- where keywords in the topic are not easy to define
- where older research needs to be traced
- when you need to see where a research trend leads

Navigate the citation network to uncover hidden connections



Citations from all databases

Citation Network

In Web of Science Core Collection

2,216 Citations

Create citation alert



- Within the Citation Network section of a document, you can also find the citations coming from other databases than the Core Collection.
- Click on "See more times cited" to expand the data.
- "Times Cited in All Databases" is very often inferior to the sum of citations from each database because the same documents can be indexed in databases.
 - Whenever the number of citations appears in purple, it means you have access to the indicated database within your institutional subscription. You can view the citing items by clicking on the purple link.



Citations from patents

Citation Network

In Web of Science Core Collection

2,216 Citations

🛕 Create citation alert

37 2,357 Times Cited in All Cited References Databases View Related Records 2.216 In Web of Science Core Collection 0 In Arabic Citation Index 1,779 In BIOSIS Citation Index 126 In Chinese Science Citation Database^{s™} 0 In Data Citation Index 2 In Russian Science Citation Index (j) 11 In SciELO Citation Index 3 In Derwent Innovations Index See less times cited

- In 2022, Web of Science started counting citations from patents for documents indexed in the Core Collection.
- This data comes from Derwent Innovations Index (DII) where a patent "family" is unified and indexed as an invention.
- The number of citations from DII should thus be interpreted as the number of citations from one invention, whether the citation was done by the inventors or the examiner.

3 results cited:					
Accumulation of Microplastic on Shorelin	es Woldwide	e: Sources an	d Sinks		
Refine results			Add To Marked List Export		Sort hv. Pelevance -
Search within topic	٦			electic cubicate o mar	
Filter by Marked List	^	0	nanoplastic or microplastic particle used to monitor dispersion of parti nanoplastic or microplastic polymer, polymer composite or polymer m. W02021168191-A1; AU2021224732-A1; CA3163995-A1	atrix, and fluorescent t	ag or radioactive tag
Subject Areas	~		Inventor(s) : <u>MORTENSEN N; JOHNSON L;</u> (); <u>MEKHAM J</u> Assignee(s) : <u>RES TRIANGLE INST</u> Derwent Primary Accession Number :	Articles Cited by Examiner	Articles Cited by Inventor
Engineering	2		2021-98991M	2	53
 Instruments Instrumentation Biotechnology Applied Microbiology 	2 1		Download original ••••		

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Identify the most influential publications

Quick Filters	
🔲 🏆 Highly Cited Papers	313
🔲 🌢 Hot Papers	3

You will see these icons in the filters and document records if your institution subscribes to Essential Science Indicators.

Citation Network In Web of Science Core Collection

22

🕎 Highly Cited Paper

Citations



In Web of Science Core Collection

18 Citations 💧 Hot Paper

Y As of January/February 2022, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Engineering** based on a highly cited threshold for the field and publication year.

This hot paper was published in the past two years and received enough citations in January/February 2022 to place it in the top 0.1% of papers in the academic field of **Engineering**.

Highly Cited and Hot Paper indicators put citation counts into context. They consider the field of research, year of publication and document type, comparing 'like with like'. This information comes from Essential Science Indicators. For more information, please refer to Essential Science Indicators.

Usage countsUse in Web of ScienceWeb of Science Usage Count165171Last 180 DaysSince 2013Learn more

Citations take time to accrue, so they may not be the best indicators of influence for recent publications. For this reason, we provide Usage Counts. Every time a Web of Science user clicks a full text link or exports a record, the record's Usage Count is incremented. This provides an indication of interest.

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Creating a citation report



Analyze citing articles

Citing Articles (1) 30,475 Analyze Total 29,809 Analyze Without self-citations

Citing articles can be analyzed further to determine what kind of impact cited publications have. You can identify not only the range

and size of impact but also identify the potential collaborations or for example funding agencies that have an interest in that kind of studies.



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Why searching cited references?



For example, to search citations to items that are not indexed in Web of Science Core Collection

Searching citations to literature

Cited Reference Search can find all occurrences of an entity being cited, even if the entity itself is not in the Web of Science.

All you need to know about Cited Reference Search

S	earch	n in: All Datab a	ases ~		
	DOC	CUMENTS	CITED REFERENCES		
	Cited	Author	~	saramago j*	×
Θ	And	 Cited Wo 	rk ~	Ensaio sobre a cegueira* OR blindness*	×
	+ Ad	id row +	Add date range	× Clear Sea	arch
52 Step	Cited 9 2: Sele	References ect the cited refere	nces in this list that match	he author(s) or work(s) you are interested in, then See Results.	
5	0/52	Cited Author	Cited Work	Title Year Volume Issue Page Identifier	Citing Articles
		Nestrovski, A; Saramago, J; (); Saramago, J View All	Ensaio sobre a cegueira	1995	1
		Saramago	BLINDNESS	193 citing articles from All Databases for:	1
] 2	Populism, p	estilence and plag	Q saramago j* (Cited Author) and Ensaio sobre a cegueira* OR blindness* (Cited W ue in the time or coronavirus	Vork)
0 (5 0	<u>Mannion, R</u> and Jun 4 2021 Jar Purpose	<u>Speed, E</u> n 2021 (Early Access) IN	TERNATIONAL JOURNAL OF HUMAN RIGHTS IN HEALTH CARE 14 (2) , pp.175-181	
		This paper aims	s to explore right wing p	opulist government responses to the coronavirus pandemic. <u>Show more</u>	ues
		S-F-X Free	Accepted Article From I	epository View full text •••• Related	records

Searching citations to a song

15 Cited References

Export

ennon, John

nnon. Joh

ennon

Cited Author

Expand All

See Results

Expand All

IMAGINE

IMAGINE 0909

IMAGINE APR

15/15

4

 \checkmark

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 \checkmark



An interesting video for our colleagues in Arts & Humanities

Searching citations to a patent

The **Cited Reference** in **Web of Science** can be used to search for **Cited Patents** too.

To do a Cited Reference Search for patents, enter the patent number in the **Cited Title** field. Do not specify a country code. For example, enter "5015744" to look up references to patent US5015744. This search will retrieve results for citations to patents from source items indexed in the database.

TIP – Search the patent numbers of a patent family with the operator OR to find the citations to an invention



What about papers not indexed in Web of Science?



Citation Alert for a Cited Reference Search

When you **create an alert** from the results page of the **cited reference search** you save your search and ask Web of Science to notify you by email when documents citing your searched item are added, whether your searched item is indexed in Web of Science or not (book, work of art, patent, etc.)



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Introducing Citation Topics

Citation Topics are clusters of documents related by citation. The clustering algorithm was developed by CWTS (Leiden) and deployed under the stewardship of ISI-Clarivate.

The output is a three-tier hierarchical classification system with each document belonging to a single micro-topic.

An introduction to Citation Topics

Clarivate[®]

Clustering

Documents are clustered based on their cited and citing paper relationships (including citations to pre-1980 documents). The algorithm includes rules to ensure that a high proportion of documents are clustered.



Updating

Each month, new documents are added to existing topics based on their cited references. A full clustering update is carried out yearly.



Filtering results by Citation Topics

Citation Topics Meso (i)	~			
5.191 Space Sciences	4,293			
5.131 Meteorological & Atmospheric So	cie 244			
5.20 Astronomy & Astrophysics				
4.29 Automation & Control Systems				
4.169 Remote Sensing	87			
Citation Topics Micro	~			
5.191.995 Mars	1,626			
5.191.151 Asteroids	1,039			
5.191.792 Space Debris	1,029			
5.191.1318 Outer Planets	583			
5.131.81 Solar Wind	125			
See all >				

Refine your search results on a more granular level. Choose from over 300 available meso citation topics or 2500 citation topics based on your search results.

This classification comes from InCites

Citation Topics are algorithmically derived citation clusters (using an algorithm developed by CWTS, Leiden). All documents from 1980present were algorithmically clustered where possible, based on their cited and citing relationships in a Leiden-type community algorithm.

Citation Topics are updated on an annual basis. If you have alerts that include citation topics, these changes may affect the results you see when rerunning or accessing past search results. Stay up to date by creating a new alert with the latest Citation Topics. <u>Download Citation Topics schema here</u>

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Exploring Enriched Cited References

Understanding how and why citations occur will help you research smarter and faster.

Quick Filters			
🔲 🍷 Highly Cited Papers	634		
🔲 🌢 Hot Papers	18		
🔲 🖹 Review Article	1,596		
Early Access	324		
🔲 🏚 Open Access	6,841		
🔲 🛢 Associated Data	60		
🛃 🚍 Enriched Cited References	2,728		
	Refine		

Refine your search results using the "Quick Filter" to view source articles that contain enriched cited references.



Exploring Enriched Cited References

89 Cited References
Explore Beta

Take the guided tour below the purple icon

- Appears for documents indexed from 2021
- To date, citation context data is available for articles from over 75% of journals in the Web of Science Core Collection, and this coverage will continue to expand.



- The visualization preserves author's logical connections between references as each dot represents an in-text mention of a cited reference.
- Distance between dots mirrors
 distance in the body of article.
 Dots that are physically closer
 to each other are more
 related.

4 sections (expandable)

Sections hint at the author's intent (introduction = key paper, materials = how to structure experiment, etc.)

Citation classification



Clarivate evaluates author's exact wording in the sentences surrounding the mention to understand context. The mentions are classified as follows:

- **Background** previously published research that orients the current study within a scholarly area.
- **Basis** references that report the data sets, methods, concepts and ideas that the author is using for her work directly or on which the author bases her work.
- **Discuss** references mentioned because the current study is going into a more detailed discussion.
- Support references which the current study reports to have similar results to. This may also refer to similarities in methodology or in some cases replication of results.
- **Differ** references which the current study reports to have differing results to. This may also refer to differences in methodology or differences in sample sizes, affecting results.

Exploring Enriched Cited References

Show	ing 151 of 151 View as set of results		All appearances ^
		(from Web of	First appearance
			All appearances
1	wards a sociology of healthcare safety and quality		Cited in article: Highest
	Allen, D; Braithwaite, J; (); Waring, J		
	Fed 2016 SOCIOLOGY OF HEALTH & ILLNESS 38 (2), pp.181-197		87
	GS-F-X Free Full Text From Publisher		References
	Cited in Article: 3		Related records

Action plans with limited patient education only for exacerbations of chronic obstructive pulmonary

View In-text mentions

disease

Explore Beta

Discuss

- Cited References re-ordered to display in order of **First appearance**.
- Sort **by All appearance** to view the other references in proximity (aka neighborhood).
- Sort by Cited in the article highest to show the references that had the most impact to the author(s) of this paper.

Expand a section and mouse over dots to see which cited references it represents. Click on the Reference dot in the visualization to view the details - the classification and author's exact words are viewed in the Cited Ref box. All mentions of the cited reference will enlarge. After selecting desired cited reference, click "View in-text mention" to explore.



This additional information helps you decide if you'd like to read the full-text at the publisher's site.

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Using citation classification to know why an article has been cited



Citation classifications are available from recently published citing articles. Please note the number of articles classified may be less than the total number of citing articles.

Each citing item may mention this source article multiple times. Each mention is classified by the purpose of the citation.

- Using the citation classifications that enrich cited references, you can see whether citing articles referenced a paper as background or basis, discussed it in more detail, or presented supporting or differing results.
- Citation classifications are available from recently published citing articles
- That is why the number of articles classified may be less that the total number of citing articles.
- Also, note that each item may mention this source article multiple times, and each mention is classified by the purpose of the citation

Use citation classification to know why an article has been cited

- When you click on the citing items assigned to a specific classification, you will see the citing articles and each in-text mention associated with the selected classification.
- Each in-text mention will include a brief extract of the author's exact words used when citing this source.

'Sequential and irregular phases of expansion and decline have characterized cities at the 'European periphery' for a long time (Carlucci et al., 2017).

Classification: Background

		17 results cited:		
Citing items b	oy classification New	_		
Breakdown of how this article has been mentioned, based on available citation context data and snippets from 21 citing item(s).		Revisiting a Hegemonic Concept: Long-term 'Medi	terranean Urbanization' in Between City Re-polarization and Metropolitan Decline Analyze Results	Citation Report
		⇔ Copy query link		
		Refine results		
Background	17		□ 0/17 Add To Marked List Export ✓ Sort by: Date: newest first ▼ <	of 1 >
Basis	6	Search within results for Q		_
Support	1	Filter by Marked List	 Endogenous Population Dynamics and Metropolitan Cycles: Long-Term Evidence from Athens, an Eternally Mediterranean City Salvati I 	
Differ	0	Quick Filters	Jun 2022 (Early Access) EUROPEAN JOURNAL OF POPULATION-REVUE EUROPEENNE DE DEMOGRAPHIE	77 References
Discuss	6	□ ③ Early Access 3 □ ⓓ Open Access 12 □ ➡ Enriched Cited References 17	Enriched Cited References Natural population growth is an intrinsic property of demographic systems that depends on (spatially) non-stationary processes of fertility and mortality. Assuming distinctive demographic dynamics as a characteristic attribute of urban, suburban and rural systems, analysis of spatial variability in natural population growth delineates nonlinear stages of metropolitan expansion, possibly reflect Show more	
			SSFFX Free Full Text From Publisher *** View PDF with EndNote Click	Related records ?

In-text mentions (1)

Found in "Introduction'

Section: Introduction

- Appears for documents indexed from 2021
- To date, citation context data is available for articles from over 75% of journals in the Web of Science Core Collection, and this coverage will continue to expand.

2018

Following the latest features released





For questions, contact:

WoSG.support@clarivate.com



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