

# Tackle literature reviews with confidence

Your essential guide to conducting  
a review

*Research Smarter Series*

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May 2022

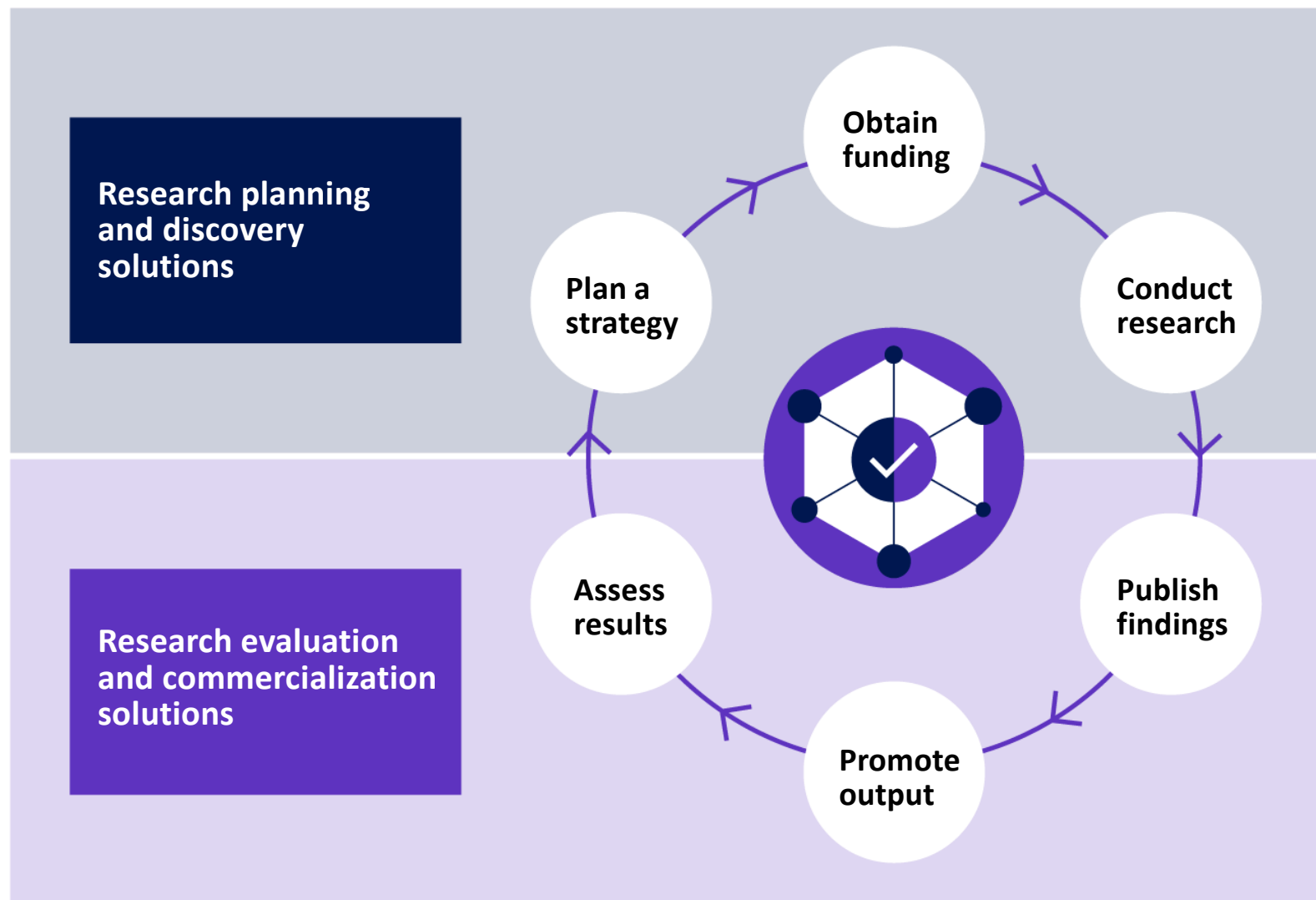


# Agenda

1. What is a literature review?
2. Tools to help during the process
  - Searching
  - Evaluating & Analyzing
  - Writing
  - Publishing
3. Additional resources

# Clarivate supports the entire research lifecycle

Connected data and solutions for researchers, librarians and university leaders



# Streamline the research workflow

Solutions to enhance researching, writing, and publishing reviews



## Web of Science

- Search a trusted, high quality, multidisciplinary citation index



## Journal Citation Reports

- Evaluate peer-reviewed titles



## Essential Science Indicators

- Identify influential papers in your field



## EndNote

- Collect, organize, and cite references with ease



## EndNote Click

- One click access to millions of research papers

# Systematic vs. Literature Review

	Systematic Review	Literature Review
<b>Definition</b>	High-level overview of primary research on a focused question that identifies, selects, synthesizes, and appraises all high-quality research evidence relevant to that question	Qualitatively summarizes evidence on a topic using informal or subjective methods to collect and interpret studies
<b>Goals</b>	Answers a focused clinical question Eliminate bias	Provide summary or overview of topic
<b>Question</b>	Clearly defined and answerable clinical question Recommend using PICO as a guide	Can be a general topic or a specific question
<b>Components</b>	Pre-specified eligibility criteria Systematic search strategy Assessment of the validity of findings Interpretation and presentation of results Bibliography	Introduction Methods Discussion Conclusion Bibliography
<b># of Authors</b>	Three or more	One or more
<b>Timeline</b>	Months to years, Average eighteen months	Weeks to months
<b>Requirement</b>	Thorough knowledge of topic Perform searches of all relevant databases Statistical analysis resources (for meta-analysis)	Understanding of topic Perform searches of one or more databases
<b>Value</b>	Connects practicing clinicians to high quality evidence Supports evidence-based practice	Provides summary of literature on the topic

# Literature Review

Literature reviews collect the most *relevant and significant* publications on a topic in order to provide a comprehensive look at what has been said on the topic and by whom.

## **Synthesize the literature in order to:**

- Identify similarities and differences in how the topic is discussed
- Trace the intellectual progression of the field, including major debates
- Reflect upon the importance of the body of literature for your research
- Evaluate the sources and advise the reader on the most pertinent or relevant.

# The process of a literature review



## **Problem formulation**

clearly defining which topic or field is being examined and what its main issues are



## **Literature search**

finding all materials relevant to the subject being explored



## **Analysis and interpretation**

discussing the findings and conclusions of pertinent literature



## **Data evaluation**

determining which literature makes a significant contribution to the understanding of the topic



## **Write and publish**

produce a document that you can publish in an appropriate journal to inform others of your findings

# The structure of a literature review

An **overview** of the subject, issue or theory under consideration, along with the objectives of the literature review

Division of works under review into **categories** (e.g. those in support of a particular position, those against, and those offering alternative theses entirely)

**Explanation** of how each work is similar to and varies from the others

**Conclusions** on which papers are best considered in their argument and make the greatest contribution to the understanding and development of an area of research



# Searching

# Research with confidence

## Web of Science Core Collection



### Track the development and evolution of ideas

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



### Conduct data-intensive studies

More researchers rely on the Web of Science Core Collection than on Scopus and Google Scholar for systematic review and research evaluation.\*



### 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.



### Trust your resources in an age of misinformation

Consistent, rigorous evaluation and curation means you can have confidence in the quality of your results.

- Multidisciplinary and international in scope
- Over 21,000 journals across the
  - Science Citation Index Expanded
  - Social Sciences Citation Index
  - Arts & Humanities Citation Index
  - Emerging Sources Citation Index
- Over 225,000 conferences in the Conference Proceedings Citation Index
- Over 128,000 books in the Book Citation Index

# Searching the Web of Science

An example of an iterative search around a subject.

Cast your net wide but not too wide.

A more complex example.

3	TS=(language learn*)	141,541	Add to query ▾	<a href="#">🔗</a>	<a href="#">✎</a>	<a href="#">🔔</a>
2	TS=("second language acquisition")	4,709	Add to query ▾	<a href="#">🔗</a>	<a href="#">✎</a>	<a href="#">🔔</a>
1	TS=("second language acquisition" or "second language learning" or "l2 acquisition" or "foreign language learning" or "foreign language acquisition")	11,029	Add to query ▾	<a href="#">🔗</a>	<a href="#">✎</a>	<a href="#">🔔</a>

|TS=("Wuhan coronavirus" OR "Wuhan seafood market pneumonia virus" OR "COVID19\*" OR "COVID-19\*" OR "COVID-2019\*" OR "coronavirus disease 2019" OR "SARS-CoV-2" OR "SARS-CoV2" OR SARS2 OR "2019-nCoV" OR "2019 novel coronavirus" OR "severe acute respiratory syndrome coronavirus 2" OR "2019 novel coronavirus infection" OR "coronavirus disease 2019"

[Training resources for Web of Science](#)

Search > Results for TS=("second language acquisition" or "second language learnin...)

11,029 results from Web of Science Core Collection for:

TS=("second language acquisition" or "second language learning" or "l2 acquisition" or "foreign language learning" or "foreign language acquisition") Analyze Results Citation Report Create Alert

Copy query link  
Publications You may also like...

Refine results

Search within results for...

Quick Filters

- Highly Cited Papers 21
- Hot Papers 2
- Review Articles 329
- Early Access 252
- Open Access 2,632
- Associated Data 59

Publication Years

- 2022 120
- 2021 820
- 2020 740
- 2019 859
- 2018 810

See all >

Document Types

- Articles 7,473
- Proceedings Papers 2,224
- Book Reviews 680
- Book Chapters 613
- Editorial Materials 329

See all >

0/11,029 Add To Marked List Export Sort by: Relevance 1 of 221

1 ISSUES OF MAJOR CONCERN IN FOREIGN-LANGUAGE LEARNING AND FOREIGN-LANGUAGE ACQUISITION  
ALATIS, JE and DEMARCO, B  
1981 | ANNALS OF THE NEW YORK ACADEMY OF SCIENCES 379 (DEC) , pp.1-8

Full Text at Publisher

2 Symmetries and Asymmetries of Age Effects in Naturalistic and Instructed L2 Learning  
Munoz, C  
Dec 2008 | APPLIED LINGUISTICS 29 (4) , pp.578-596

The effects of age on second language acquisition constitute one of the most frequently researched and debated topics in the field of second language acquisition. Two different orientations may be distinguished in age-related research: one which aims to elucidate the existence of maturational constraints on the human capacity for learning second languages, and another which

Full Text at Publisher

3 L2 acquisition in childhood, adulthood and old age Misreported and under-researched dimensions of the age factor  
Singleton, D and Pfenninger, SE  
2018 | JOURNAL OF SECOND LANGUAGE STUDIES 1 (2) , pp.254-275

This article deals with some misunderstandings about the age factor in second language acquisition which result from a reliance on an incomplete interpretation of relevant research findings. It begins with an exploration of the work of Penfield and Lenneberg and goes on to weigh recent evidence for and against the hypothesis of a "critical period" in the context of naturalistic second language

Full Text at Publisher

4 INTEGRATING POETRY INTO THE FOREIGN LANGUAGE CLASSROOM FROM THE POINT OF VIEW OF SECOND LANGUAGE ACQUISITION

- Relevance
- Recently added
- Citation class
- Date: newest first
- Date: oldest first
- Citations: highest first
- Citations: lowest first
- Usage (all time): most first
- Usage (last 180 days): most first
- Conference title: A to Z
- Conference title: Z to A
- First author name: A to Z
- First author name: Z to A
- Publication title: A to Z
- Publication title: Z to A

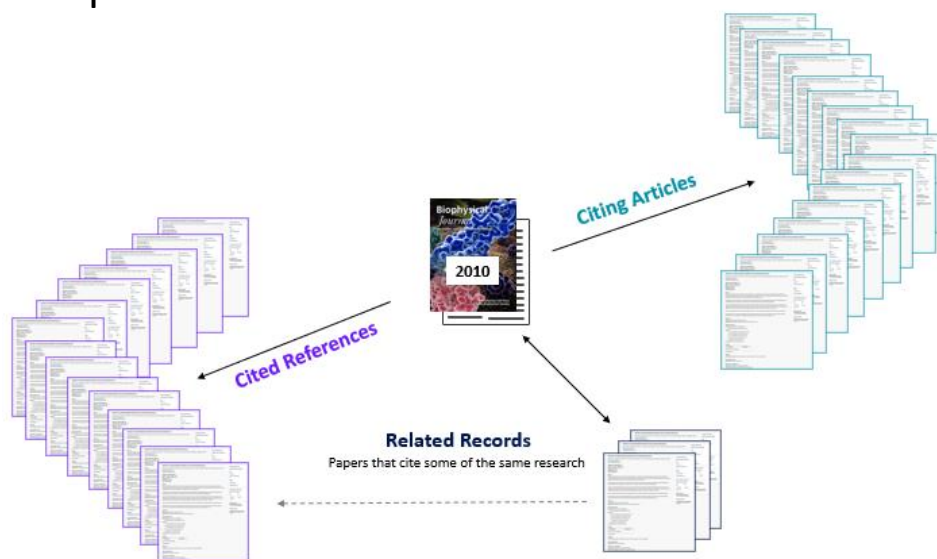
## Narrow your results

- Refine and sort options help you collect the most relevant results. Options include:
  - Web of Science Categories
  - Document Types
  - Publication Years
  - Affiliations
  - Publication Titles
  - Funding Agencies
  - Open Access (including type of Open Access)
  - Most cited papers
  - Most recent papers
  - and more!

# Explore the citation network

Go beyond keyword 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.



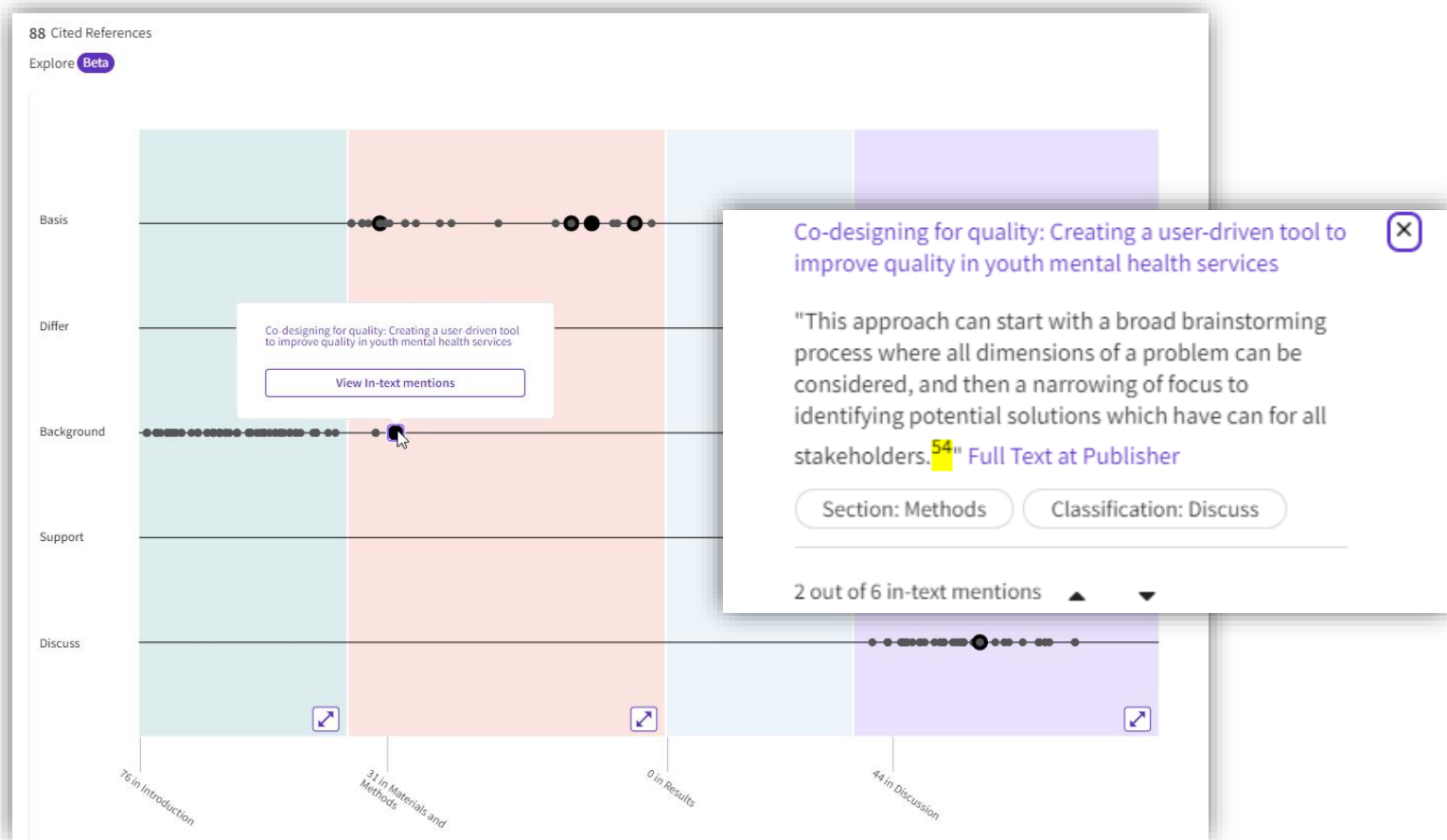
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## References are useful:

- 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

# Enhanced cited references

Gain a deeper understanding of how ideas are connected in the scholarly network



Easily locate additional research related to your item of interest, and quickly determine its relevance to your area of inquiry.

# Stay up to date with alerts

Monitor new developments throughout your project

⇒ Copy query link

## Share a query

Send your search methods to other Web of Science users.

🔔 Create Alert

## Search Alerts

Save a search and establish a daily, weekly, or monthly email notification when new publications are added that match.

Searches can be re-run, which means results are repeatable.

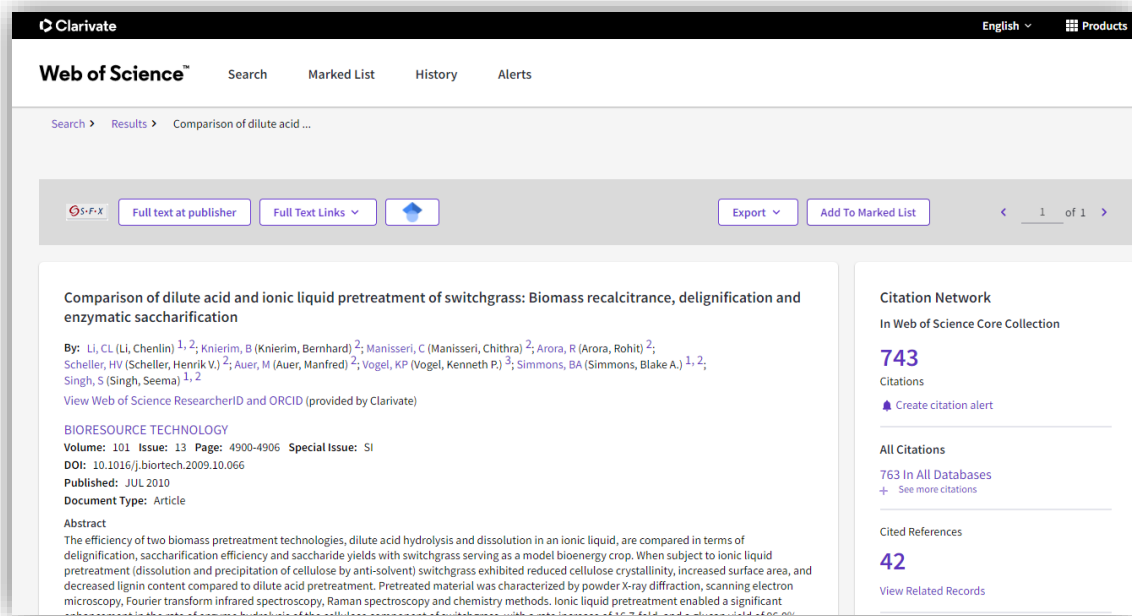
🔔 Create citation alert

## Citation Alerts

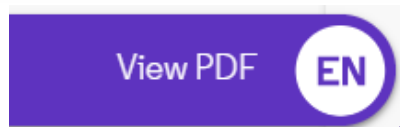
Want to track activity around an important article? We'll notify you when the paper receives new citations.

# EndNote Click

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



- ✓ Access millions of research paper PDFs in one click on thousands of academic websites.
- ✓ Save time navigating paywalls, logins and redirects.
- ✓ Easily export PDFs to your favorite reference management tool or download them to your desktop.



PDF found

- ✗ Your EndNote Click Locker
- ✓ Publisher version
- ✓ Open Access version



Browser Plug-in



[Install in Chrome](#)



[Firefox Extension](#)



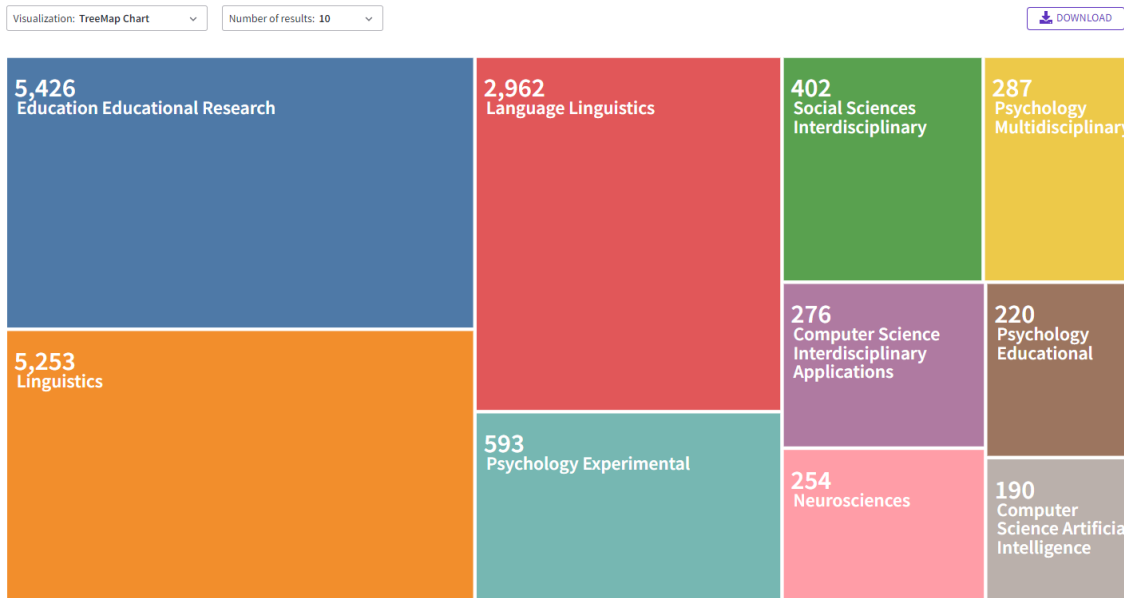
[Learn more](#)



# Evaluating & Analyzing

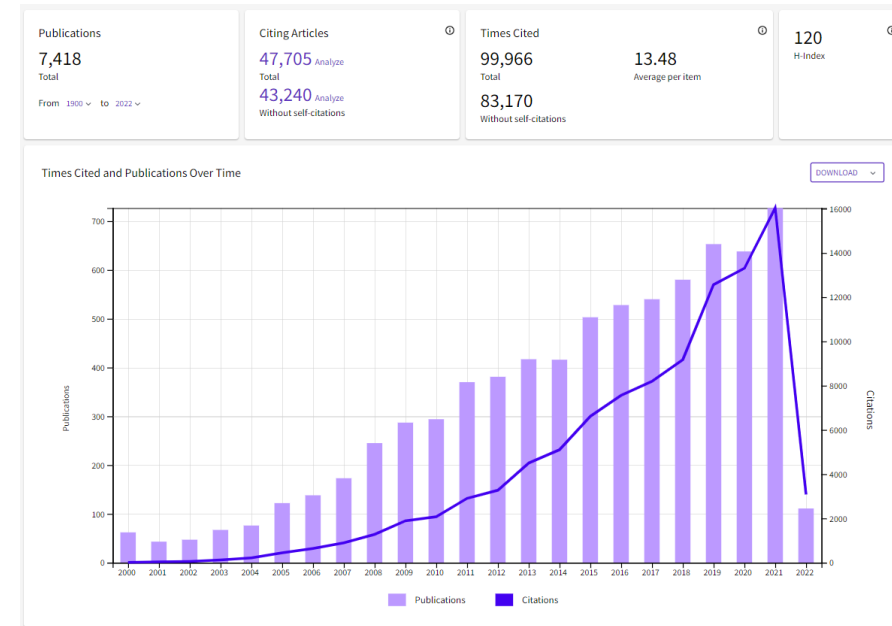
# Conduct a high-level scan of your results

## Analyze Results



Find the most prevalent authors in a field of study, view how multidisciplinary a topic is, or identify the institutions and journals publishing most on a topic.


## Citation Report



The Citation Report provides aggregate citation statistics for a set of search results.


# Identify standout research in your results

## Hot & Highly Cited Papers

 [Highly Cited](#)

 [Hot Paper](#)

This is a Highly Cited Paper. Click here for more details

 As of November/December 2021, this [Highly cited](#) received enough citations to place it in the top 1% of the academic field of **Psychiatry/Psychology** based on a highly cited threshold for the field and publication year.

×

Data from [Essential Science Indicators](#)

Highly Cited and Hot Paper indicators put citation counts into context. They consider the field of research, year of publication and document type of a paper for comparison. This information comes from our Essential Science Indicators.

## Usage counts

Use in Web of Science

Web of Science Usage Count

**165**

Last 180 Days

[Learn more](#)

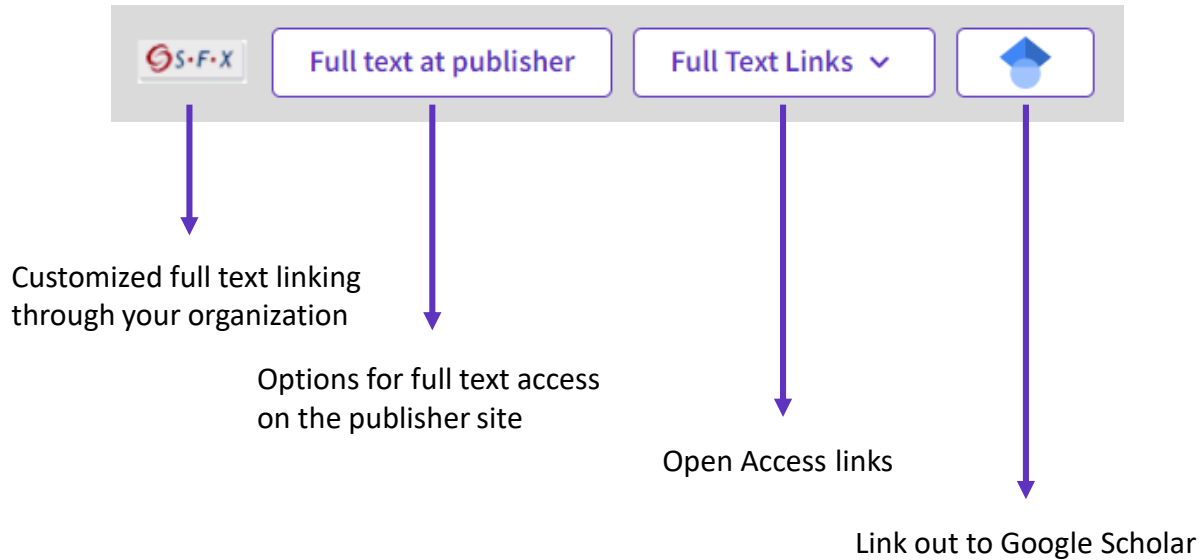
**171**

Since 2013

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.

# Locate the full text of your results

## Finding full text



To fully understand any paper, you need to read it. Web of Science has several built-in routes to access the full text. Or you can download EndNote Click to leverage subscription services as well as Open Access sources.

## Open Access

Open Access	
<input type="checkbox"/> All Open Access	2,202
<input type="checkbox"/> Gold	1,099
<input type="checkbox"/> Gold-Hybrid	238
<input type="checkbox"/> Free to Read	191
<input type="checkbox"/> Green Published	637
<input type="checkbox"/> Green Accepted	389
<input type="checkbox"/> Green Submitted	707

Some reviews include an evaluation of Open Access, others have a requirement to either include or exclude Open Access publications. Web of Science has Open Access version as a filter, so these types of evaluation can be carried out.

# Build custom sets of papers for later analysis

- Use the Marked List feature to:
  - **Store your search results** - it's not always possible to finish your search in one session. Marking records for your next visit to Web of Science helps you pick up where you left off.
  - **Group articles together you want to analyze** - gather the perfect set of publications, then use Analyze to understand trends across them, or use Citation Report to reveal the articles that cite your selections.
  - **Create a custom set of items to export.** There are lots of export options - send to EndNote for later use in writing a paper, print, email or even export to InCites Benchmarking & Analytics for detailed citation analysis

## Marked List 50

### My custom export selections (Web of Science Core Collection) ×

<input type="checkbox"/> Author, Title, Source	<input type="checkbox"/> Abstract, Keyword, Addresses	<input type="checkbox"/> Cited References and Use	<input type="checkbox"/> Funding and Other
<input checked="" type="checkbox"/> Author(s)	<input checked="" type="checkbox"/> Abstract	<input type="checkbox"/> Cited References*	<input type="checkbox"/> Funding Information
<input checked="" type="checkbox"/> Title	<input checked="" type="checkbox"/> Addresses	<input type="checkbox"/> Cited Reference Count	<input type="checkbox"/> Publisher Information
<input checked="" type="checkbox"/> Source	<input type="checkbox"/> Affiliations	<input type="checkbox"/> Usage Count	<input type="checkbox"/> Open Access
<input checked="" type="checkbox"/> Conf.Info/Sponsors	<input checked="" type="checkbox"/> Document Type	<input checked="" type="checkbox"/> Hot Paper	<input type="checkbox"/> Page Count
<input checked="" type="checkbox"/> Times Cited Count	<input type="checkbox"/> Keywords	<input checked="" type="checkbox"/> Highly Cited	<input type="checkbox"/> Source Abbrev.
<input checked="" type="checkbox"/> Accession Number	<input type="checkbox"/> WoS Categories		<input type="checkbox"/> IDS Number
<input type="checkbox"/> Authors Identifiers	<input type="checkbox"/> Research Areas		<input type="checkbox"/> Language
<input type="checkbox"/> ISSN	<input type="checkbox"/> WoS Editions (print only)		
<input type="checkbox"/> PubMed ID			

Cancel

Save selections

# Export to other tools for further analysis

Choose the metadata you need for your project and export up to 1,000 results at a time.

- ✓ Send to a reference manager, such as EndNote, to cite works easily in your review.
- ✓ Export to Excel to run further analysis.
- ✓ Push results to InCites Benchmarking & Analytics to run more reports on the set and explore normalized citation performance.

Export ▾

EndNote online

EndNote desktop

Add to my Publons profile

Plain text file

RefWorks

RIS (other reference software)

BibTeX

Excel

Tab delimited file

Printable HTML file

InCites

FECYT CVN

Email

More Export Options



# Writing

# Accelerate your research with EndNote

Rely upon the world's essential reference management tool



## Save time

Research more efficiently with tools that find PDFs for you throughout your search process and automatically write your bibliography, so that you can focus on what matters most: your ideas.



## Stay organized

Conduct large-scale projects with a reliable system that stores unlimited references and provides powerful tools to help you organize and manage them with ease and speed.



## Collaborate easily

Work more smoothly with your team members—whether they're based around the world, or just across town— with flexible solutions for sharing and commenting that help everyone stay on the same page.



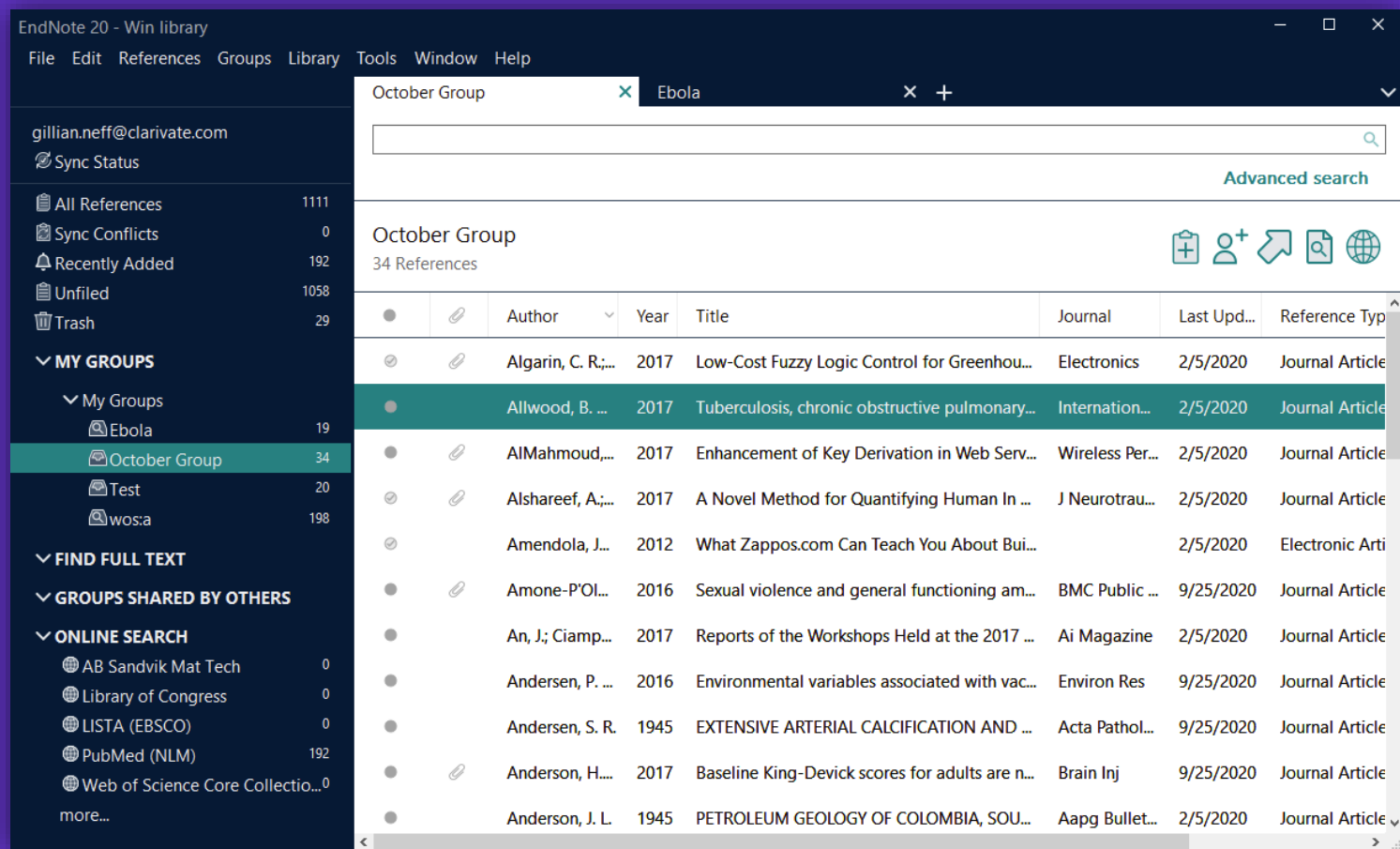
## Get published

Easily manage the process of getting your manuscript published using tools that match your paper with relevant, reputable journals, and can instantly reformat your paper in over 7,000 bibliographic styles.



# EndNote 20

The same power and flexibility you trust, modernized for ease of use

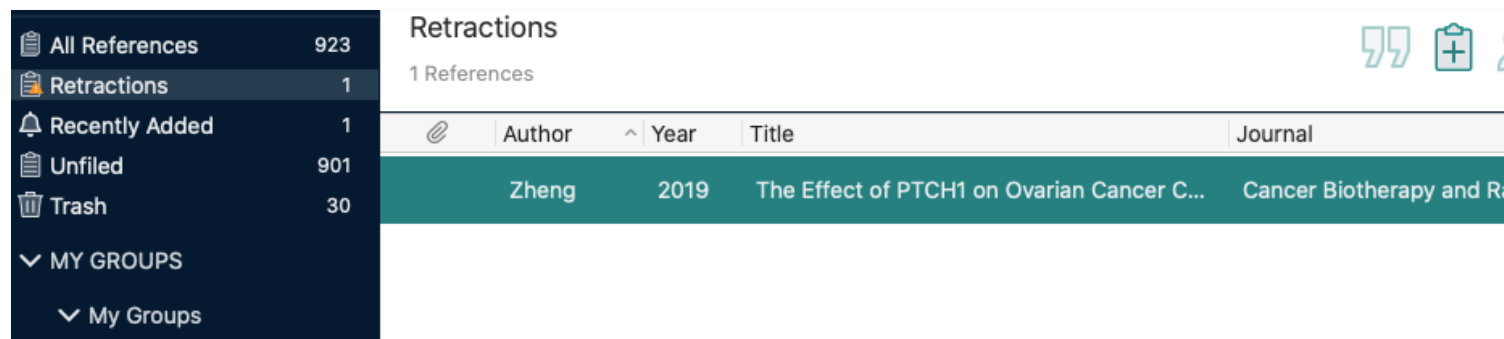


## New interface design

Save even more time preparing manuscripts and managing your bibliographies with a more intuitive user interface preferred by 95% of customer testers.

# Protect your research with retraction alerts

Continuously monitor your library for retracted papers



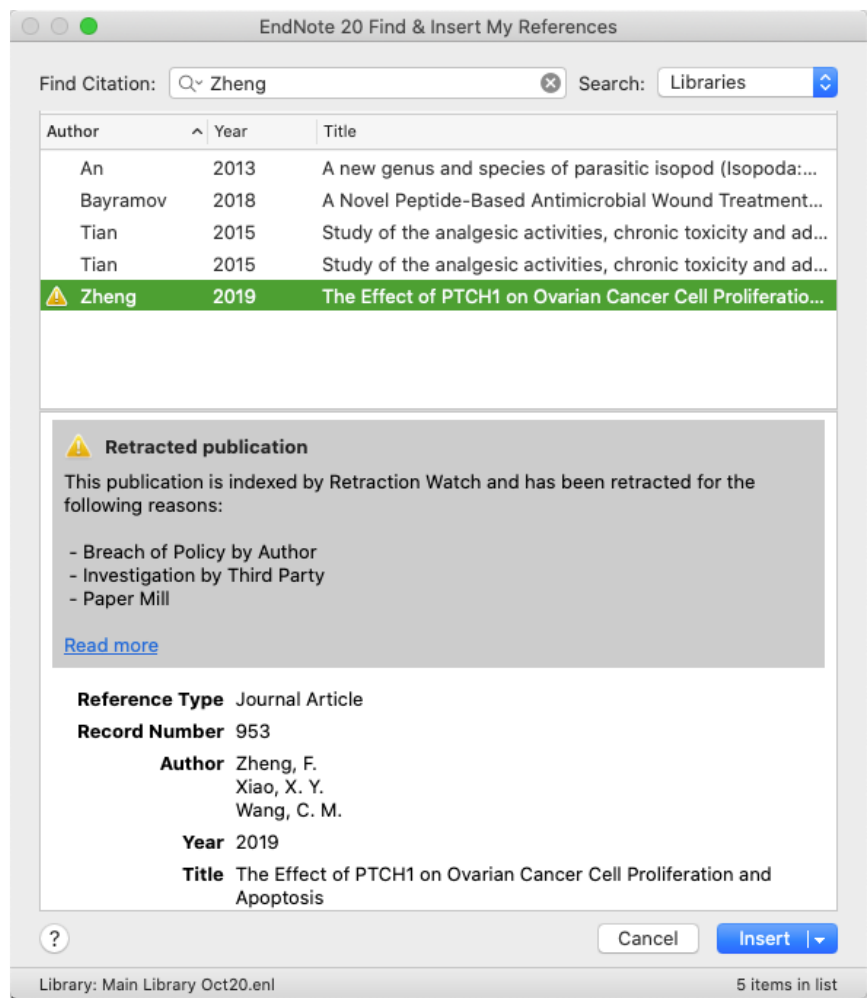
The screenshot shows a library interface with a sidebar on the left and a main content area. The sidebar lists various reference categories: All References (923), Retractions (1), Recently Added (1), Unfiled (901), and Trash (30). Under 'MY GROUPS', there is a 'My Groups' option. The main content area is titled 'Retractions' and shows '1 Reference'. A table below lists the retracted paper:

Author	Year	Title	Journal
Zheng	2019	The Effect of PTCH1 on Ovarian Cancer C...	Cancer Biotherapy and Ra

- Easily identify retracted papers through convenient auto-grouping.
- Keep your library current with regular updates from Retraction Watch.

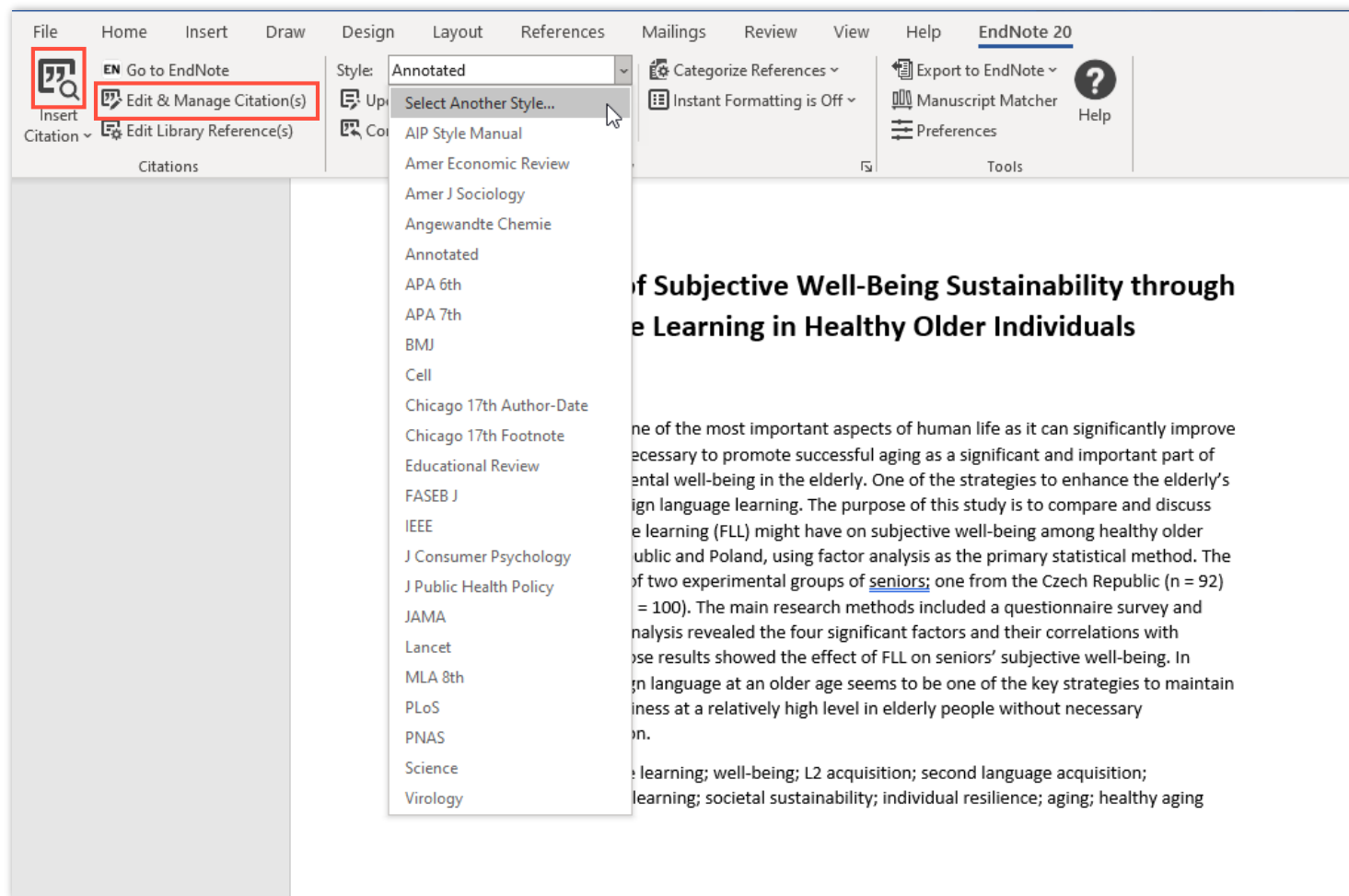
# Protect your research with retraction alerts

Avoid citing retracted papers throughout the writing process



Get notified about retractions when it matters most—as you cite references.

# Cite references with ease



## Save time with EndNote

- Find citations and insert them into your manuscript.
- Edit citations to add information such as a page number or remove a reference from a group of citations.
- Reformat your entire paper and bibliography with one click.

# Publishing

# Find trustworthy journals for your review

The screenshot displays the 'Find the Best Fit Journals for your Manuscript' tool in EndNote. It features a navigation bar with 'My References', 'Collect', 'Organize', 'Format', 'Match', 'Options', and 'Downloads'. The main heading is 'Find the Best Fit Journals for your Manuscript' with a sub-note 'Powered By Web of Science'. Below this, it shows '9 Journal Matches'. A table lists various journals with columns for 'Match Score', 'JCR Impact Factor' (Current Year and 5 Year), 'Journal' name, and 'Similar Articles'. For each journal, there are 'Submit >>' and 'Journal Information >>' buttons. A 'Was this helpful?' feedback section is also present for each entry. A 'Top Keyword Rankings' section is visible for the first journal, showing a bar chart for the keyword 'incident photon-to-current conversion efficiency'. A 'JCR Category' table provides further details for the top journal, including 'Rank in Category' and 'Quartile in Category'. The publisher information for the top journal is also listed.

Match Score	JCR Impact Factor Current Year   5 Year	Journal	Similar Articles
8.758	8.901 2019   5 Year	ACS APPLIED MATERIALS & INTERFACES	0
3.119	3.098 2019   5 Year	RSC ADVANCES	0
11.301	10.694 2019   5 Year	JOURNAL OF MATERIALS CHEMISTRY A	0
4.189	4.404 2019   5 Year	JOURNAL OF PHYSICAL CHEMISTRY C	0
6.895	7.315 2019   5 Year	NANOSCALE	0
3.43	3.735 2019   5 Year	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	0
7.059	6.404 2019   5 Year	JOURNAL OF MATERIALS CHEMISTRY C	0
3.551	3.392 2019   5 Year	NANOTECHNOLOGY	0
16.836	15.722 2019   5 Year	ADVANCED FUNCTIONAL MATERIALS	0

- Enter your title, abstract, and references (optional) to generate a list of recommended journals for your manuscript.
- Link out to learn more about a title or to start the submission process with the publisher.
- The Manuscript Matcher tool is available in EndNote as well as on the Master Journal List site.

# Compare journal performance

Journal name	ISSN	eISSN	Category	Total Citations	2020 JIF	JIF Quartile	2020 JCI	% of Articles in Citable items
<input type="checkbox"/> CHILD DEVELOPMENT	0009-3920	1467-8624	PSYCHOLOGY, EDUCATIONAL - SSCI	40,402	5.899	Q1	2.21	98.93 %
<input type="checkbox"/> JOURNAL OF EDUCATIONAL PSYCHOLOGY	0022-0663	1939-2176	PSYCHOLOGY, EDUCATIONAL - SSCI	23,238	5.805	Q1	2.29	96.97 %
<input type="checkbox"/> JOURNAL OF COUNSELING PSYCHOLOGY	0022-0167	1939-2168	PSYCHOLOGY, EDUCATIONAL - SSCI	12,437	4.685	Q1	1.61	98.39 %
<input type="checkbox"/> EDUCATIONAL AND PSYCHOLOGICAL MEASUREMENT	0013-1644	1552-3888	PSYCHOLOGY, EDUCATIONAL - SSCI	11,408	2.821	Q2	0.97	100.00 %
<input type="checkbox"/> EDUCATIONAL PSYCHOLOGIST	0046-1520	1532-6985	PSYCHOLOGY, EDUCATIONAL - SSCI	7,792	9.541	Q1	3.83	84.62 %
<input type="checkbox"/> LEARNING AND INSTRUCTION	0959-4752	1873-3263	PSYCHOLOGY, EDUCATIONAL - SSCI	7,701	5.146	Q1	2.50	98.21 %
<input type="checkbox"/> CONTEMPORARY EDUCATIONAL PSYCHOLOGY	0361-476X	1090-2384	PSYCHOLOGY, EDUCATIONAL - SSCI	7,594	4.277	Q1	1.47	98.72 %

- Journal Citation Reports (JCR) provides performance and descriptive metrics for journals in the Web of Science Core Collection.
- Use these metrics to make informed decisions about manuscript submission.

**% Articles in Citable Items:** If this is 0% the journal is focused on reviews, if it is 100% they do not publish reviews.

# Learn more about journals of interest

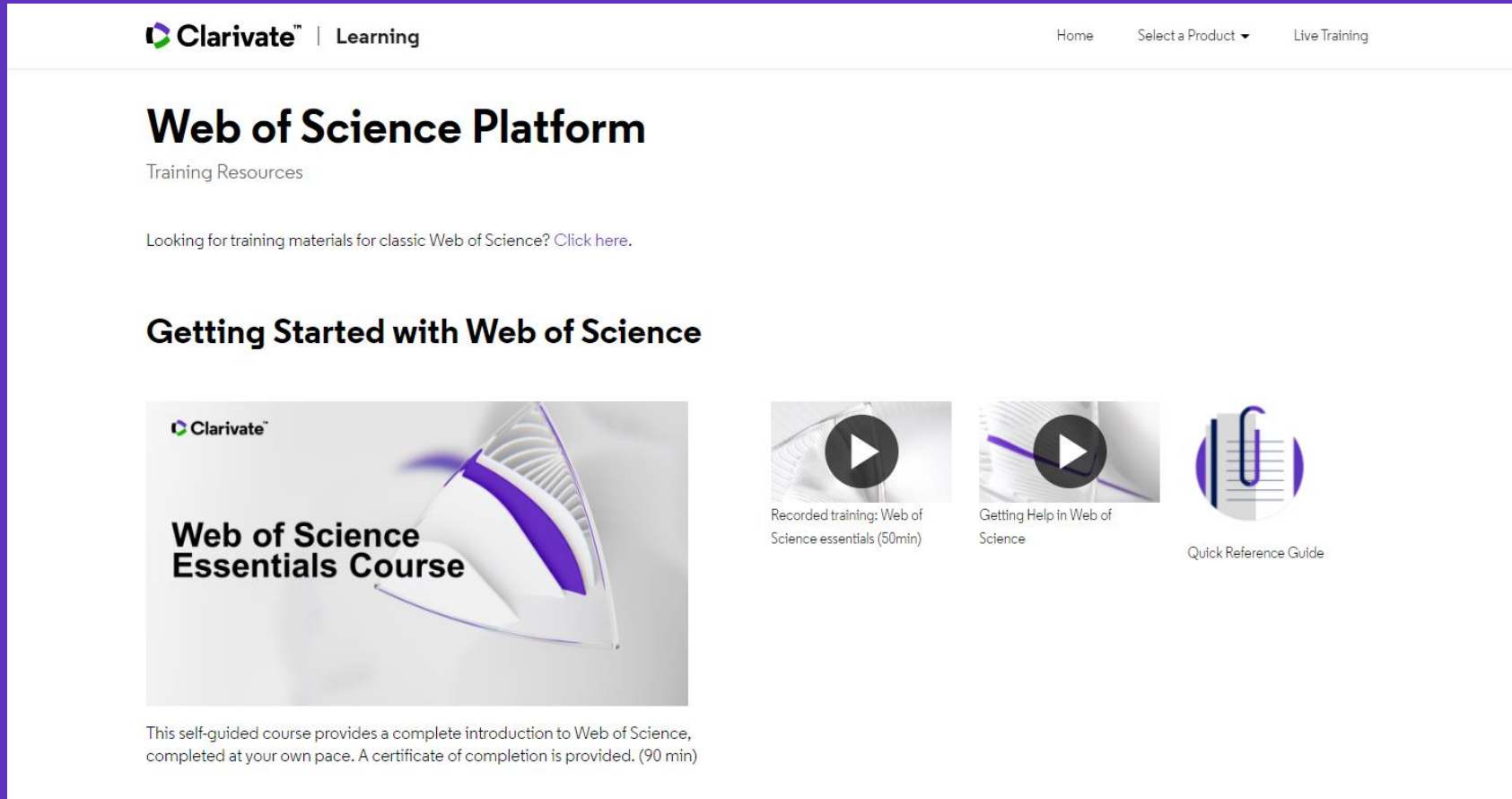
The screenshot displays a journal information page with three main sections:

- General Information:**
  - Society or Institution:** Helmholtz Association; European Sustainable Energy Innovation Alliance (ESEIA)
  - Publisher Website:** [Visit Site](#)
  - Frequency:** Continuous publication
  - Country / Region:** ENGLAND
  - Aims and Scope:** [Visit Site](#)
  - Instructions for Authors:** [Visit Site](#)
  - Plagiarism Screening:** [Visit Site](#)
  - Host Platform:** BMC
  - Download Statistics:** [Visit Site](#)
  - Journal Website:** [Visit Site](#)
  - 1st Year Published:** 2011
  - Issues Per Year:** 1
  - Primary Language:** English
  - Editorial Board:** [Visit Site](#)
  - Avg. Number of Weeks from Submission to Publication:** 13
  - Article DOI:** Yes
- Open Access Information:**
  - OA Statement:** [Visit Site](#)
  - License:** [Visit Site](#)
  - Waiver Policy:** [Visit Site](#)
  - Archiving:** CLOCKSS, LOCKSS, Portico
  - Machine-Readable CC Licensing:** Yes
  - DOAJ Seal:** Yes
  - APC Fee:** 1,190 GBP
  - Author Holds Copyright without Restrictions:** Yes
  - Deposit Policy Directory:** Sherpa/Romeo
  - Full-Text Crawling Permitted:** Yes
  - Unrestricted Reuse in Compliance with BOAI:** Yes
  - DOAJ Subjects / Keywords:** Energy innovation, Energy sources, Energy technologies, Social Sciences: Industries, Land use, Labor: Special industries and trades: Energy industries... [\[show more\]](#)
- Peer Review Information:**
  - Type of Peer Review:** Blind peer review
  - Publons Partner:** Yes
  - Public Reports on Publons:** No
  - Publons Transparent Peer Review Partner:** No
  - Review Policy:** [Visit Site](#)
  - Claimed Reviews on Publons:** 393
  - Signed Reports on Publons:** No
  - Publons User Endorsements:** 23

- The Master Journal List helps you explore the characteristics of a journal, including:
  - Open Access status, including APC fees.
  - the journal’s review process, e.g., whether they conduct ‘blind’ or ‘double blind’ reviews.
  - average time from submission to publication.



# Additional Resources



The screenshot shows the 'Web of Science Platform' training resources page. At the top, there is a navigation bar with the Clarivate logo and 'Learning' on the left, and 'Home', 'Select a Product', and 'Live Training' on the right. The main heading is 'Web of Science Platform' with the sub-heading 'Training Resources'. Below this, a link says 'Looking for training materials for classic Web of Science? Click here.' The section title is 'Getting Started with Web of Science'. There are three main items: a large card for the 'Web of Science Essentials Course' with a play button icon, and two smaller cards for 'Recorded training: Web of Science essentials (50min)' and 'Getting Help in Web of Science', both with play button icons. To the right of these is a 'Quick Reference Guide' with a paperclip icon. A description at the bottom states: 'This self-guided course provides a complete introduction to Web of Science, completed at your own pace. A certificate of completion is provided. (90 min)'

Clarivate™ | Learning


Home Select a Product Live Training

## Web of Science Platform

Training Resources


Looking for training materials for classic Web of Science? [Click here.](#)

### Getting Started with Web of Science




Clarivate™


#### Web of Science Essentials Course



Recorded training: Web of Science essentials (50min)



Getting Help in Web of Science



Quick Reference Guide

This self-guided course provides a complete introduction to Web of Science, completed at your own pace. A certificate of completion is provided. (90 min)

[Training Portal](#)



# Thank you

[www.clarivate.com](http://www.clarivate.com)