Measuring Scholarly Impact

Are Citation Metrics the Right Fit for Law Schools?

Association of American Law Schools

HeinOnline, Author Profiles, & ScholarCheck Metrics

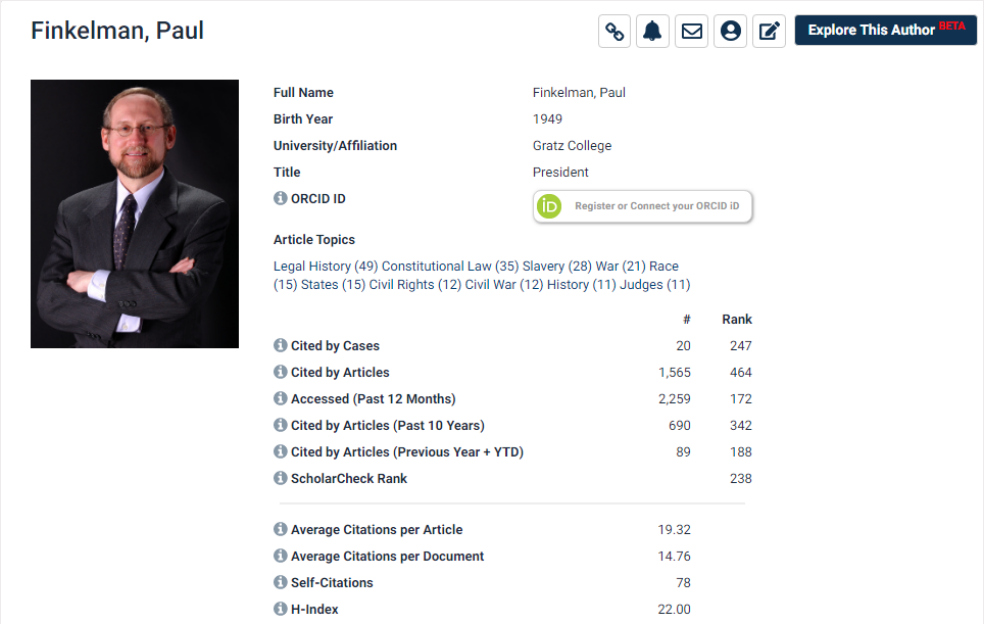
Shane Marmion, William S. Hein & Company

- HeinOnline Scholar Check & Author Profiles Overview
- U.S. News & World Report
- Quality Control and Enhancements

About Author Profiles & Scholar Check

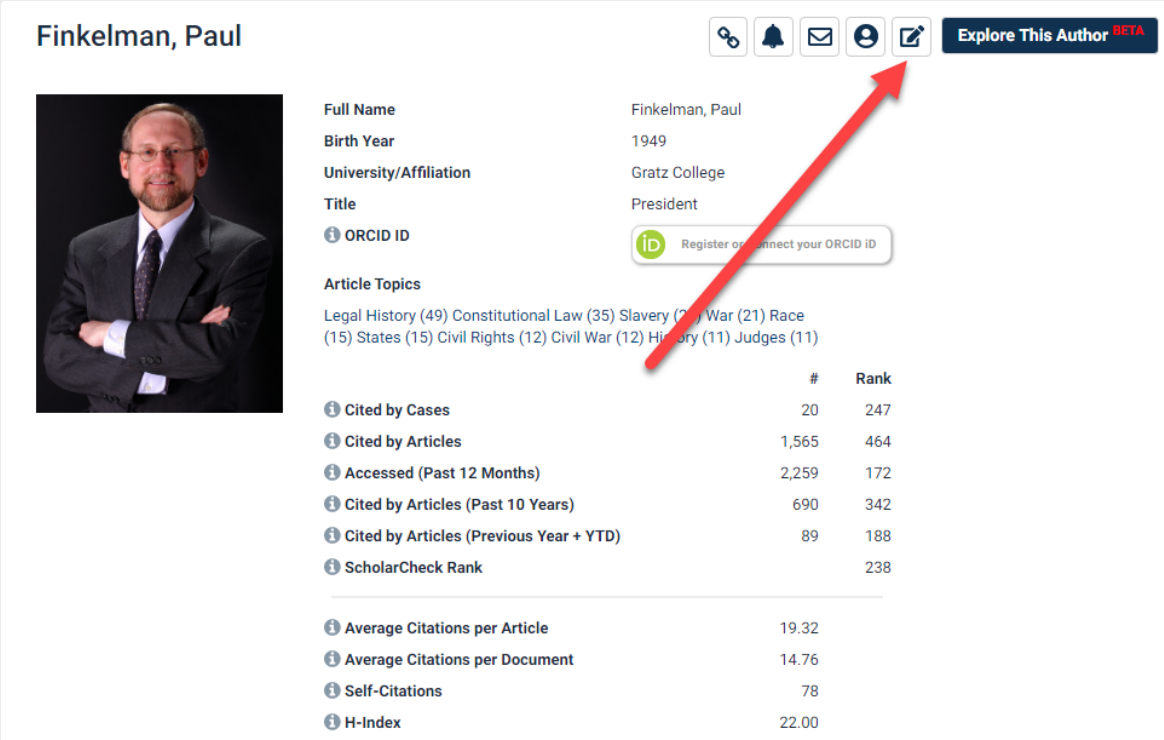
For any author represented in the Law Journal Library, Author Profile Pages automatically display a list of articles and ScholarCheck statistics. A profile page can be enhanced by including the following information:

- Photo
- University/Affiliation
- Title
- ORCID ID
- Biography
- Link to affiliation webpage
- Social Media Links



Enhance Author Profile Pages

Users can edit or enhance a profile by clicking on **Edit Author Profile** within the author profile page. All edits are verified by HeinOnline Support before changes go live. There is also a web form located at: https://home.heinonline.org/author-portal/



About Author Profiles & Scholar Check

For any author represented in the Law Journal Library, Author Profile Pages automatically display a list of articles and ScholarCheck statistics. The existing profile can be enhanced to include a photo, biographical information, and links to the author's website and social media accounts.

ScholarCheck metrics include:

1. Cited by Cases
2. Cited by Articles
3. Accessed (Rolling 12 month period)
4. Cited by Articles (Past 10 years)
5. Cited by Articles (Previous Year + YTD)

	#	Rank
Cited by Cases	20	247
Cited by Articles	1,565	464
Accessed (Past 12 Months)	2,259	172
Cited by Articles (Past 10 Years)	690	342
Cited by Articles (Previous Year + YTD)	89	188
ScholarCheck Rank		238
Average Citations per Article	19.32	
Average Citations per Document	14.76	
Self-Citations	78	
H-Index	22.00	

About Author Profiles & Scholar Check

Additional metrics not factored into an author's overall ScholarCheck ranking analysis include:

Average Citations per Article
This metric counts the cumulative number of times this author has been cited by other articles, then divides this number by this author's total number of articles written to calculate the average number of citations per article.

Average Citations per Document
This metric counts the cumulative number of times this author has been cited by other articles, then divides this number by this author's total number of documents written to calculate the average number of citations per document.

Self-Citations
This metric counts the cumulative number of an author's self-citations.

H-Index
The h-index is an author-level metric that attempts to measure both the productivity and citation impact of an author's publications. The index is based on the set of the author's most cited papers and the number of citations that they have received in other publications.

Scholar Check Coverage

Periodical Coverage

- Law Journal Library
- Bar Journals
- ALI-CLE Journals
- Kluwer Law International Database
- Foreign & International Law Resources: Yearbooks and Periodicals
- ABA Law Library Periodical Database

Case Law Coverage

- All Federal Circuit Courts
- All Federal District Courts
- All Federal Bankruptcy Courts
- U.S. Supreme Court
- All 50 State Courts
- Specialty Courts

Indexed only and all embargoed content are included in the citation analysis.

ScholarRank

ScholarCheck Rank, or **ScholarRank** is an overall ranking based primarily on the five HeinOnline ScholarCheck metrics. The five metrics are:

1. Cited by Cases
2. Cited by Articles
3. Accessed (Past 12 Months)
4. Cited by Articles (Past 10 Years)
5. Cited by Articles (Past 1-2 years)

h-index is also used as a modifier in overall scholar check rank to reduce ties.

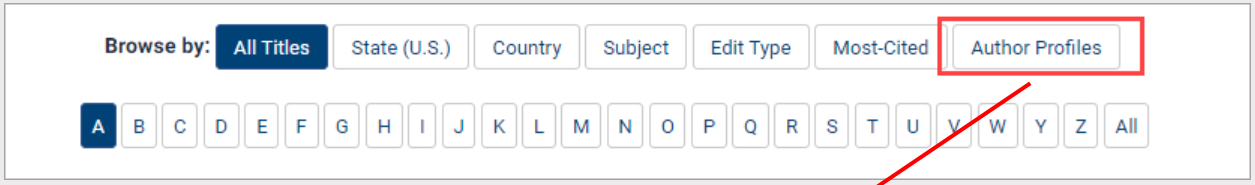
ScholarCheck Score = (total of all 5 scholarcheck metrics rankings/5) – (h-index/1000)

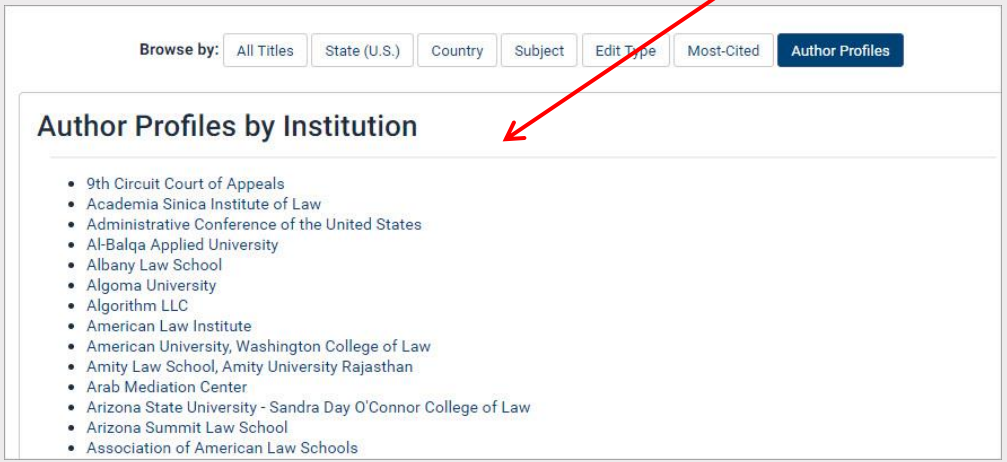
(The totals for each of the five metrics are ranked using dense ranking.)

Next, the scores are sorted from lowest to highest and ranked using standard competition ranking. The lowest score will have a ScholarRank of 1. The ranking encompasses ALL authors indexed in HeinOnline

Access and Download Metrics

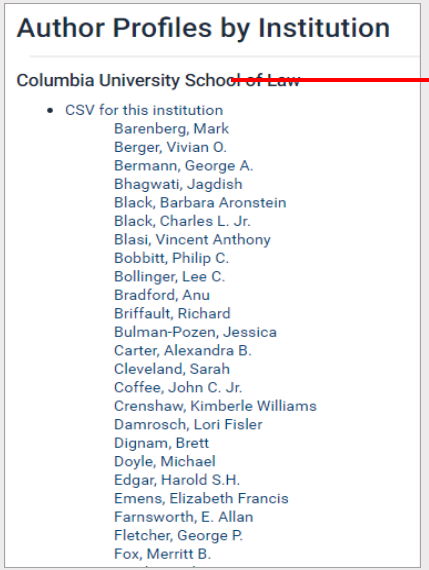
Users have the ability to download a CSV of ScholarCheck metrics for an entire institution. To utilize this feature, navigate to the Law Journal Library and Browse by **Author Profiles**.





Access and Download Metrics

When users click on the institution's name, all articling authors who have enhanced their Author Profile will be provided, as well as a link to download a CSV of ScholarCheck metrics for all of the enhanced profiles from the institution. A CSV is automatically downloaded when the user clicks on the link. All of the authors' information is pulled into the CSV, where a user can sort/filter the information by any individual metric or by overall ScholarCheck rank.



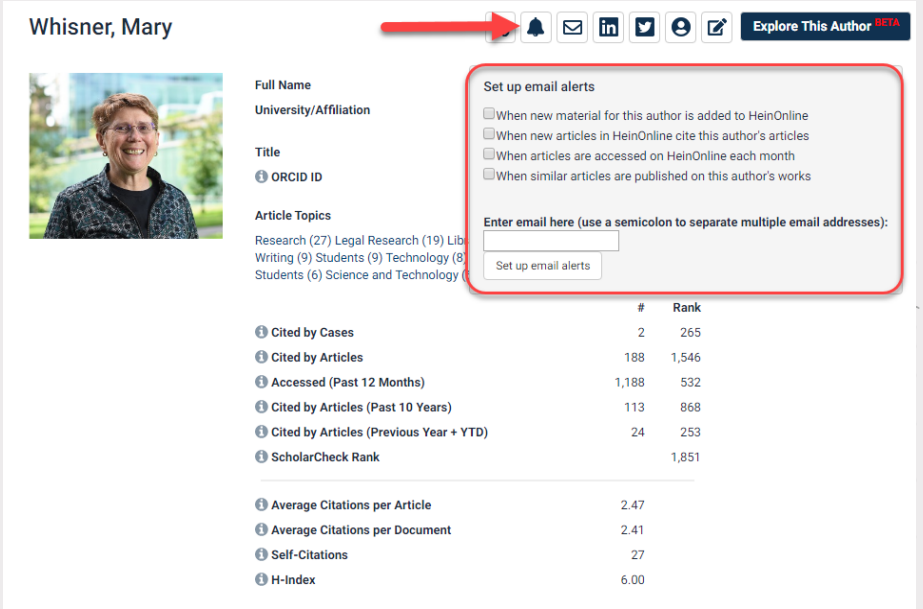
total number of articles	Cited by Cases	Cited by Cases rank	Cited by Articles	Cited by Articles rank	Accessed (Past 12 Months)
6	1	255	286	1,414	191
14	85	171	827	901	240
40	39	217	624	1,079	900
6	0	256	155	1,545	365
3	0	256	88	1,612	72
31	0	256	2	1,698	2
20	38	218	1,838	359	538
16	0	256	252	1,448	299
14	0	256	5	1,695	21
16	0	256	192	1,508	571
61	49	207	2,885	184	1,674
11	4	252	639	1,064	658
1	0	256	0	1,700	16
12	7	249	817	907	544
68	238	55	9,702	6	4,779
13	8	248	3,581	114	17,701
26	0	256	2	1,698	23
1	0	256	1	1,699	28

Author Profiles - Features

HeinOnline users can set up email alerts regarding a designated author's works. Simply click on the *Set up email alerts* icon found on the author's profile page.

The **four different alerts** are for:

- When new articles for this author is added to HeinOnline
- When new articles in HeinOnline cite this author's articles
- When articles are accessed on HeinOnline each month
- When similar articles are published on this author's works



Choose the desired alerts, enter an email address, and click *Set up email alerts*. These alerts will be sent once a month.

Author Profiles & Explore This Author

Whisner, Mary

Explore This Author BETA

Full Name	Whisner, Mary
University/Affiliation	University of Washington School of Law
Title	Research Services Librarian
ORCID ID	Register or Connect your ORCID

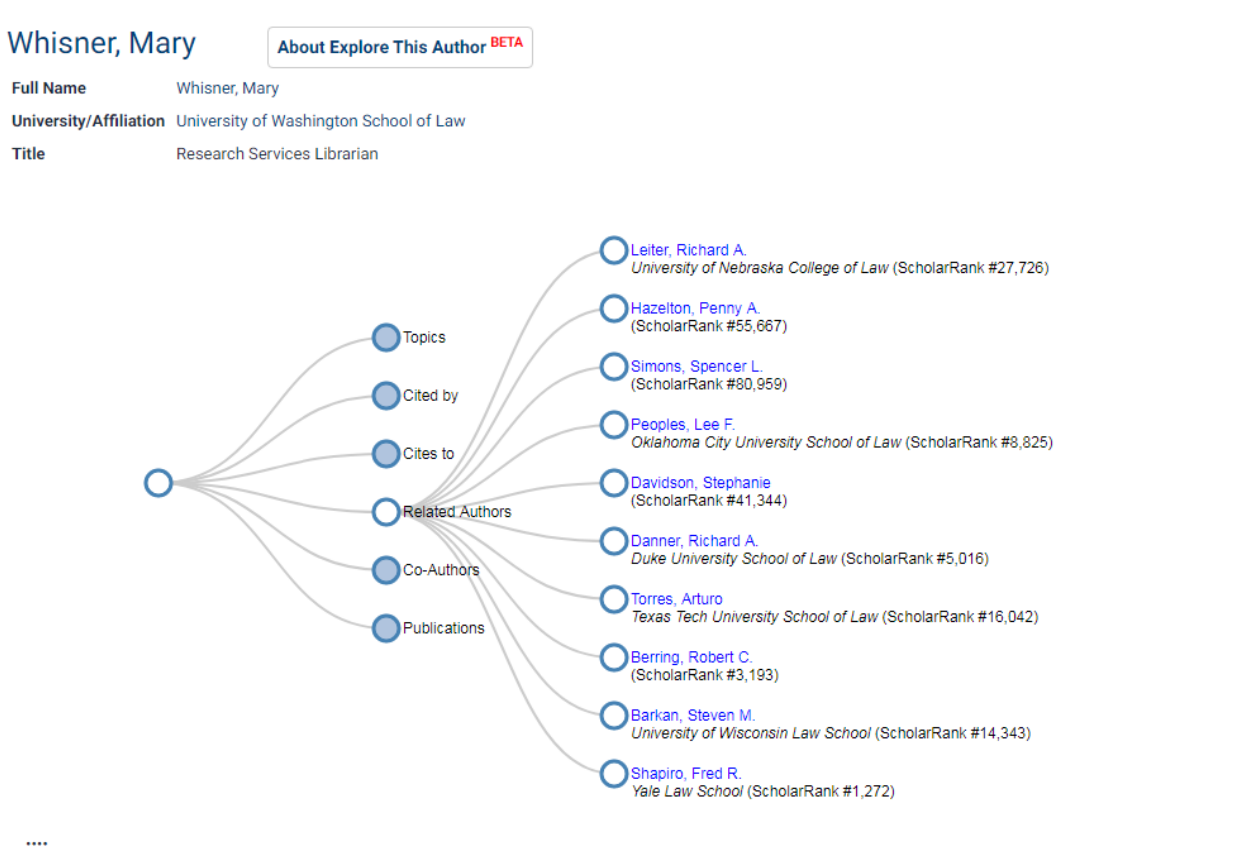
Article Topics

Research (27) Legal Research (19) Libraries (16) Legal Analysis and Writing (9) Students (9) Technology (8) Government (6) History (6) Law Students (6) Science and Technology (6)

	#	Rank
Cited by Cases	2	265
Cited by Articles	188	1,546
Accessed (Past 12 Months)	1,188	532
Cited by Articles (Past 10 Years)	113	868
Cited by Articles (Previous Year + YTD)	24	253
ScholarCheck Rank		1,851

Average Citations per Article	2.47
Average Citations per Document	2.41
Self-Citations	27
H-Index	6.00

Author Profiles & Explore This Author



U.S. News & World Report

Why Hein?

Prior to the February 2019 announcement, the Hein Company was approached by a group of law school deans and professors who requested that we consider collaborating with *U.S. News* on this upcoming project. HeinOnline was chosen by the group and *U.S. News* based on the following qualifications:

HeinOnline's Law Journal Library contains comprehensive coverage of more **nearly 2,800 legal periodicals**, more than its current competitors.

HeinOnline had already created its own **tools for citation analysis** within ScholarCheck.

HeinOnline had already begun performing citation analyses of **faculty publications** using these tools.

Hein's citations offer **many advantages** over other database providers such as: including indexing multiple authors per article, more foreign law journals, comprehensive coverage, and several others.

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Law Journal Library

It contains **nearly 2,800 journals**, 65,000 volumes, and more than **2 million documents** within **37 million pages**

HeinOnline contains **98% of the Top 500 Journals** and **85% of the Top 1,000** Journals according to the Washington and Lee Law Journal Rankings Project.

Out of the 2,800 journals, all date back to inception and **more than 2,200 include coverage to most current issue**, with no delay

There are currently **1,750 active serial titles**, and nearly 40% of the journals or over 1,000 journals are published outside of the U.S.

Interdisciplinary: Comprised of a variety of subjects such as political science, technology, history, and much more!

U.S. News & World Report

Overview of HeinOnline's Law Journal Library

The Law Journal Library contains many non-academic and commercial journals, from publishers such as:

- American Bar Association
- American Society of International Law
- Brill Publishers
- Cambridge University Press
- Canadian Bar Association
- Clarus Press
- De Gruyter
- Edward Elgar Publishing
- Hart Publishing
- Institute of Art & Law
- McGill Institute of Air and Space Law
- Oxford University Press
- Paris Legal Publishers
- SAGE Publishers
- Taylor & Francis
- Vathek Publishing
- John Wiley & Sons, Inc.
- Wolters Kluwer

U.S. News & World Report

Interdisciplinary Journals

The Law Journal Library contains hundreds of interdisciplinary journals that cover more a vast number of subjects, including:

- Business/Economics
- Communications
- Criminal Justice
- Environmental & Conservation Law
- Family Law
- Health and Safety
- Human Rights
- Intellectual Property
- International Relations
- Immigration
- Medical Jurisprudence
- Political Science
- Psychology/Sociology
- Religion/Theology
- Taxation
- Technology/Computers
- Terrorism
- Women's Studies

Interdisciplinary Journals in HeinOnline (Sample)

American Journal of Jurisprudence
American Journal of Law & Medicine
American Journal of Mediation
American Law and Economics Review
American Political Science Review
Annals of Health Law
Arbitration International
Asian Journal of Law and Economics
Australian Journal of Legal Philosophy
Canadian Journal of Criminology and Criminal Justice
Canadian Journal of Law and Society
Cato Supreme Court Review
Clearinghouse Review
Columbia Journal of Law & the Arts
Conflict Resolution Quarterly
Criminal Justice
Criminal Justice and Behavior
Criminal Justice Ethics
Criminal Justice Policy Review
Criminal Justice Review
Criminology
Criminology & Public Policy
Criminology, Criminal Justice, Law & Society
Employee Rights and Employment Policy Journal
European Journal of Crime, Criminal Law and Criminal Justice
European Journal of Criminology
European Journal of Social Security
Federal Probation
Health Economics, Policy and Law
Health Matrix: Journal of Law-Medicine
Holy Cross Journal of Law and Public Policy
Human Rights Quarterly
International Commentary on Evidence
International Journal of Cultural Property
International Journal of Law in Context
International Journal of Police Science and Management
International Review of the Red Cross
International Tax Journal
International Theory: A Journal of International Politics, Law and Philosophy
Islamic Law and Society
Journal of Affordable Housing and Community Development Law
Journal of Australian Taxation
Journal of Church and State
Journal of Criminal Law and Criminology
Journal of Empirical Legal Studies
Journal of Ethics & Social Philosophy
Journal of Gender, Race & Justice
Journal of Human Rights
Journal of Human Rights and the Environment
Journal of International Criminal Justice
Journal of Law and Religion
Journal of Law and Society
Journal of Law, Medicine & Ethics
Journal of Legal Medicine
Journal of State Taxation
Journal of Supreme Court History
Labor Law Journal
Law and Contemporary Problems
Law and Psychology Review
Legal Studies
Legal Theory
Medico-Legal Journal
Middle East Law and Governance
Muslim World Journal of Human Rights
Negotiation Journal
Netherlands Quarterly of Human Rights
PoLAR: Political and Legal Anthropology Review
Police Journal
Police Quarterly
Policing: An International Journal of Police Strategies & Management
Prison Journal
Psychiatry, Psychology and Law
Public Interest Law Reporter
Ratio Juris: An International Journal of Jurisprudence and Philosophy of Law
Review of Constitutional Studies
Social & Legal Studies
South African Journal of Criminal Justice
South African Journal on Human Rights
Southern California Interdisciplinary Law Journal
Southern Journal of Policy and Justice
Taxes - The Tax Magazine
Theoretical Inquiries in Law
Transnational Legal Theory
Women's Rights Law Reporter
World Trade Review

How Hein Is Involved

Our role in this project is to provide *U.S. News* with the citation metrics from HeinOnline. As for the methodology that will be used for their analysis, we will not be involved. The Hein company is not receiving any type of compensation for its work on this project; we simply felt that if *U.S. News* was going to proceed with such an analysis, HeinOnline would be a good source for the law review citation analysis.

U.S. News & World Report Project – Phase 1

Data Gathering & Quality Control Process

1. Obtain Faculty List by Law School
   - US News & World Report Survey
   - AALS Directory
2. Associate Faculty List with HeinOnline Author Index
3. Author Name Disambiguation
4. Author Indexing Cleanup
5. Review & Assistance from law school library staff and faculty
6. Adjustments & Corrections

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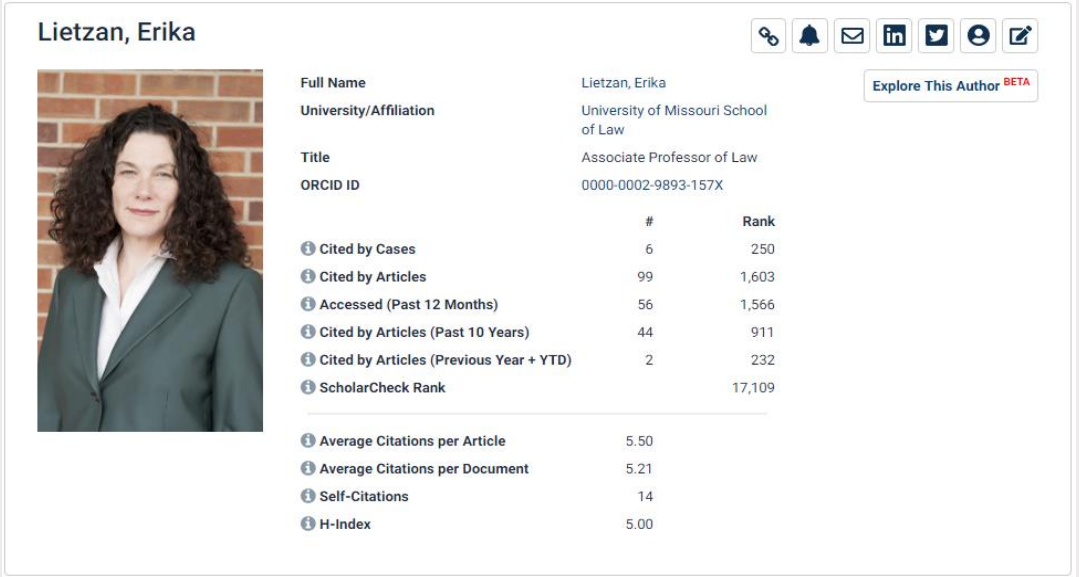
Phase 1 – Name Disambiguation

Combining Author Name Variations

Example #1 – Author with articles published under 5 different names. The HeinOnline author index would treat as 5 different authors if not combined:

1. **Lietzan, Erika**
2. **Lietzan, Erika King**
3. **Lietzan, Erika Fisher**
4. **King, Erika F.**
5. **King, Erika**



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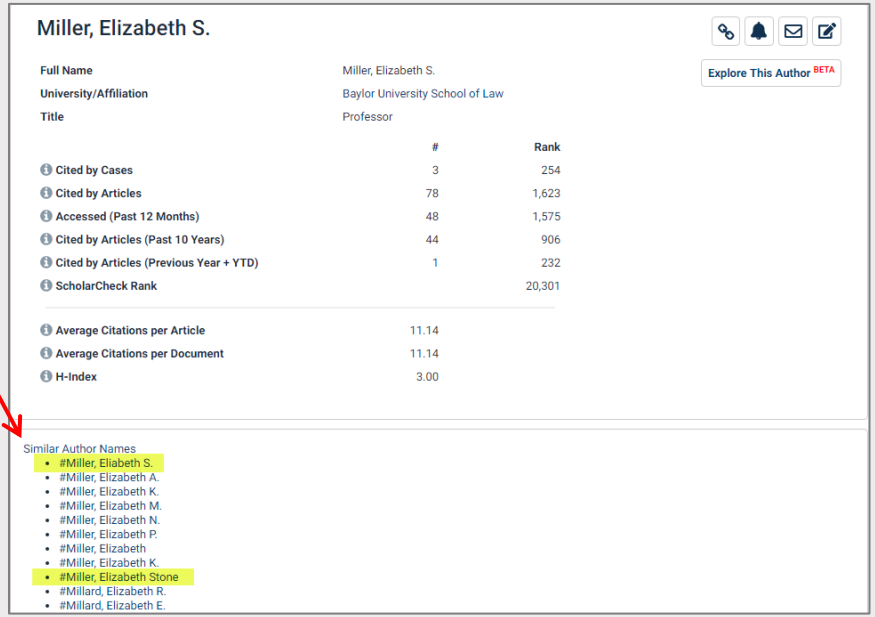
Phase 1 – Name Disambiguation

Example #2

This submitted faculty roster did not include all name variations. Hein's data team will review all possible variations found in HeinOnline.

Author ID	Last Name	First Name	Middle Name	Suffix (Sr., Jr. etc.)	Title	clinical/legal writing/librarian/externship instructor/doctrinal (pick one)	Known Name Variations
	Miller	Elizabeth	S.		Professor	Doctrinal	Miller, Elizabeth S.; Miller, Beth S.
	Morrison	Michael	D.		Professor	Doctrinal	Morrison, Michael D.; Morrison, Mike D.
	Nichols	Connie	P.		Professor	Doctrinal	Nichols, Connie P.
	Ortiz	Susan	Kelley-Claybrook		Professor	Legal Writing	Oritiz, Susan K.



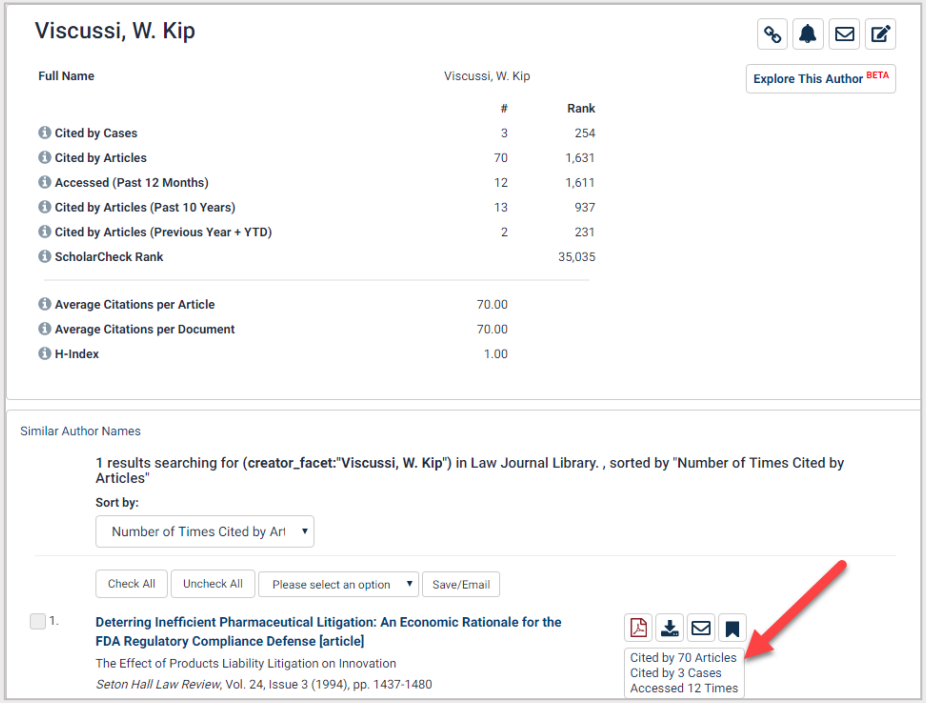
Two corrections found during our QC:

1. Author name published as 'Miller, Elizabeth Stone'. Stone as middle name not provided as a name variation but picked up via Similar Author tool and confirmed by QC'er
2. Indexing error – Eliabeth (no z in first name)

Phase 1 – Indexing Errors

Example #3

Indexing error where associated article has relevant citation metrics which will improve the author's overall citations.



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Phase 1 – Quality Control Overview

Hein compiled a data team to review each faculty member included on the XLS to make sure they're properly associated with the HeinOnline-indexed data. Part of the review from the data team included reviewing any/all similar author names which could potentially include indexing errors. Identified indexing errors have been corrected and known name variations combined to help associate the proper works with each faculty member.

While our quality assurance check is effective, the challenge of properly disambiguating all proper name variations is very difficult, especially in the cases of common names. We asked each school to review their faculty members' profile pages in HeinOnline and notify us of any discrepancies which they were able to find

We contacted the person who submitted the original faculty XLS to US News as well as the Library Director (and anyone else who requested to receive notification). Included in the confirmation message from Hein was a summary of the work we have done as well as the XLS of faculty names which were included in the US News Survey submission that will also include the HeinOnline Author Profile page URL

The overall process has taken over 1,000 hours of labor in compiling and reviewing nearly 7,000 faculty profile page

Phase 2 – Citation Counts

Citation Metrics (July 2019)

- There are currently over **7.5 million** article to article citations in HeinOnline
- There are currently over **300,000** case to article citations

ScholarCheck looks at citation patterns in the text using sources such as:

- Bluebook
- Prince's Bieber Dictionary of Legal Abbreviations
- Cardiff Index to Legal Abbreviations
- McGill Citation Guide
- And many others!

Phase 2 – Citation Counts

ScholarCheck and Citation Metrics: Example

151 results searching for ((("88 N.Y.U. L. Rev. 286" OR "88 NYUL Rev 286" OR "88 N.Y.U.L.R. 286" OR "88 N.Y.L. 286" OR "88 N.Y.U. L.Q. Rev. 286" OR "88 N.Y. Univ. L. Rev. 286" OR "88 New York University Law Review 286" OR "88 NYU L Rev 286" OR "88 NYU L. Rev. 286" OR "88 Ann. Rev. L. Sch. N.Y.U. 286") AND NOT id:hein.journals/nylr88.11)) in Law Journal Library. , sorted by "Number of Times Cited by Articles"

Simplified Pleading, Meaningful Days in Court, and Trials on the Merits: Reflections on the Deformation of Federal Procedure [article]

New York University Law Review, Vol. 88, Issue 1 (April 2013), pp. 286-372

Miller, Arthur R. (Cited 2436 times)

88 N.Y.U. L. Rev. 286 (2013)

Topics: Procedure, Trials, Courts, Dispute Resolution, Federal Courts, Practice and Procedure, Civil Procedure, Federal Rules of Civil Procedure

Cited by 151 Articles
Cited by 28 Cases
Accessed 71 Times

- N.Y.U. L. Rev.
- NYUL Rev
- N.Y.U.L.R.
- N.Y.L.
- N.Y.U. L.Q. Rev.
- N.Y. Univ. L. Rev.
- New York University Law Review
- NYU L Rev
- NYU L. Rev.
- Ann. Rev. L. Sch. N.Y.U.

Citation Counts

Hein is aware that the use of citation pattern matching is not a perfect method for counting citations for many reasons such as OCR errors, proper citation rules not followed, etc...

Does a perfect method exist? Likely not

Our goal is to continue to enhance our methods for counting citations so that we can provide the best possible results

Our development team has been experimenting with other methods to count citations such as searches by author name, as well as article title (and variants) to ensure completeness. This method showed too large a % of false positives

Improvements made to citation counts

1. Name Disambiguation
2. Author name indexing error cleanup
3. OCR correction (i.e. “Pitr L. Rev.” = “Pitt. L. Rev”)
4. Addition of common citations used not currently included in HeinOnline metadata
5. Ability to add missed citations:
   - Current process is manual
   - Tool in interface to submit corrections in development
6. ORCID
7. Author Administration Portal for Librarian’s

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Future Initiatives

1. Licensing additional content:
    - 10-15 new journals added monthly
    - More interdisciplinary journals

2. Counting citations beyond periodical coverage
    - i.e. ALI Restatements
    - Books, Treatises, etc..
    - West Academic Casebook Collection (forthcoming)

3. Tools to enhance citation tracking methods
    - ORCID & DOI's
    - Author Admin Portal
    - OCR & "Crowdsourcing" tools

In conclusion

This project has been a major undertaking, but we are committed to improving our data so that we can provide the most accurate results possible. Our mission remains to be first amongst equals and offer the best scholarly legal database to our customers, knowing that enhancing ScholarCheck and adding more analytics will improve the HeinOnline research experience. We appreciate all of the questions, comments, and concerns that we have received thus far.