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Demonstrating Your Scholarly Impact

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Demonstrating Your Scholarly Impact

Anne E. Rauh
Science & Engineering Librarian
February 26, 2016



Impact Factor



What is it?

Impact Factor measures the average number of times articles from the journal published in the past two years have been cited

Calculation of 2010 IF of a journal:

A = the number of times articles published in 2008 and 2009 were cited by indexed journals during 2010.

B = the total number of "citable items" published in 2008 and 2009.

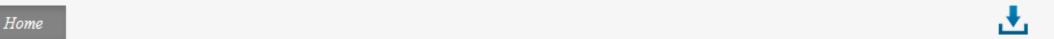
A/B = 2010 impact factor

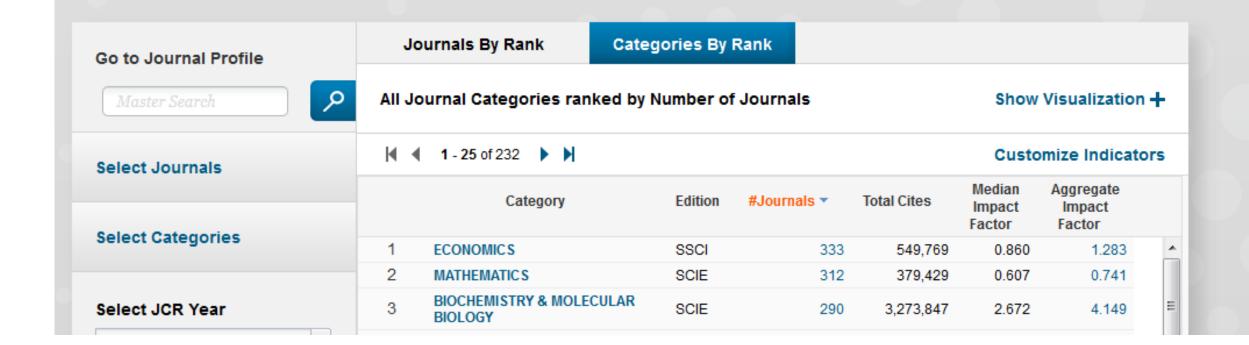


How to find it?

InCites[™] Journal Citation Reports[®]







How to use?

SCIENCE

ISSN: 0036-8075

AMER ASSOC ADVANCEMENT SCIENCE 1200 NEW YORK AVE, NW, WASHINGTON, DC 20005

USA

Go to Journal Table of Contents Go to Ulrich's

Titles

ISO: Science

JCR Abbrev: SCIENCE

Categories

MULTIDISCIPLINARY SCIENCES - SCIE

Languages

ENGLISH

51 Issues/Year;

Key In	dicators												
Year ▼	Total Cites Graph	Journal Impact Factor Graph	Impact Factor Without Journal Self Cites	5 Year Impact Factor Graph	Immediacy Index Graph	Citable Items Graph	Cited Half-Life Graph	Citing Half-Life Graph	Eigenfacto Score Graph	Article Influence Score Graph	% Articles in Citable Items Graph	Normalized Eigenfacto Graph	_
2014	557,558	33.611	<u>Graph</u> 33.194	35.263	7.221	828	>10.0	5.5	1.22204	17.885	92.87	136.8	97.368
2013	537,035	31.477	31.007	34.463	8.568	841	9.9	5.3	1.27503	17.698	91.68	140.5	97.27

Recommendations

Use the impact factor of year of publication

Seglen, P. O. (1997). Why the impact factor of journals should not be used for evaluating research. British Medical Journal, 314(7079), 498-502.

1997 IF 17.215 / 2014 IF 17.445



Citation Analysis



What is it?

Counting citations

H-index

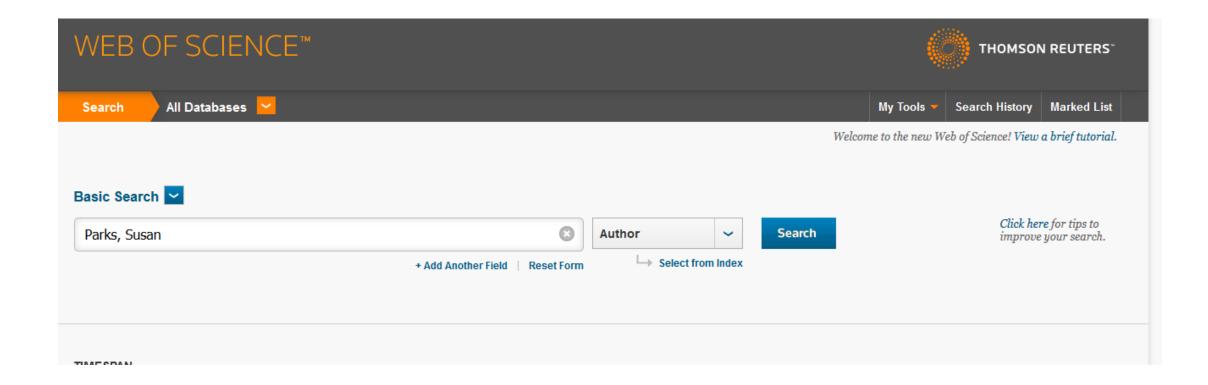
a scientist has index h if h of his/her Np papers have at least h citations each, and the other (Np - h) papers have no more than h citations each



How to find?

- Web of Science
- Scopus
- Google Scholar







Short- and long-term changes in right whale calling behavior: The potential effects of noise on acoustic communication

By: Parks, Susan E.; Clark, C. W.; Tyack, P. L.

JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 122 Issue: 6 Pages: 3725-3731 Published:

DEC 2007

Usage Count ✓

Times Cited: 55 (from All Databases)

SULinks

View Abstract

Evidence that ship noise increases stress in right whales

By: Rolland, Rosalind M.; Parks, Susan E.; Hunt, Kathleen E.; et al.
PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES Volume: 279 Issue: 1737 Pages: 2363-2368 Published: JUN 22 2012

Highly Cited Paper

SULinks

View Abstract

Usage Count 🗸

Times Cited: 53 (from All Databases)

Sound production by North Atlantic right whales (Eubalaena glacialis) in surface active groups

By: Parks, SE; Tyack, PL

JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 117 Issue: 5 Pages: 3297-3306 Published: MAY 2005

Times Cited: 50 (from All Databases)

Usage Count ✓

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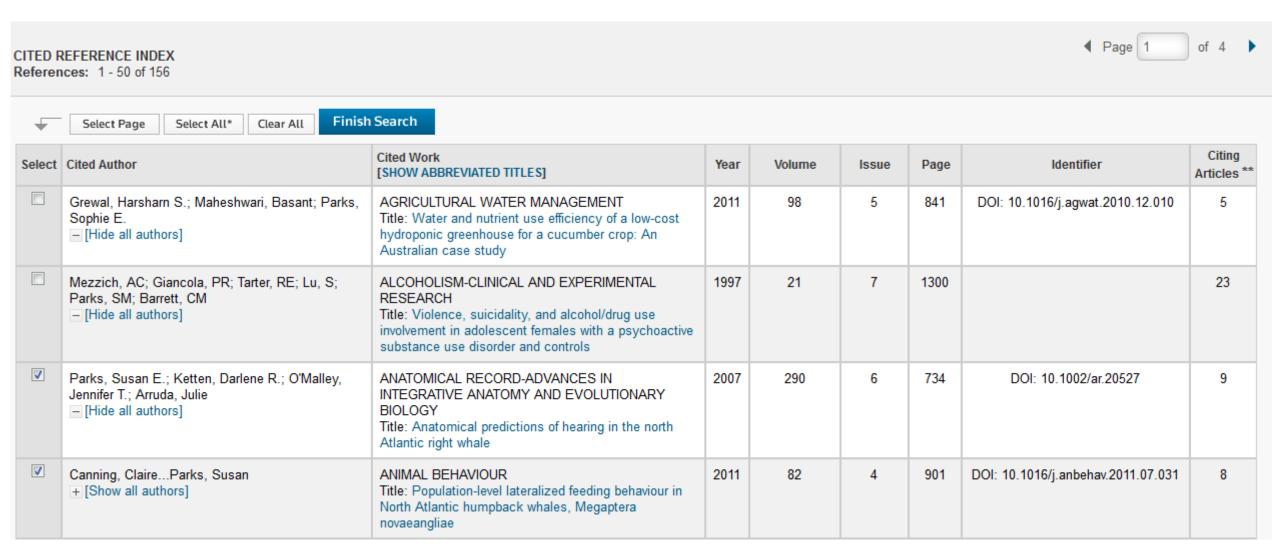
Cited Reference Search

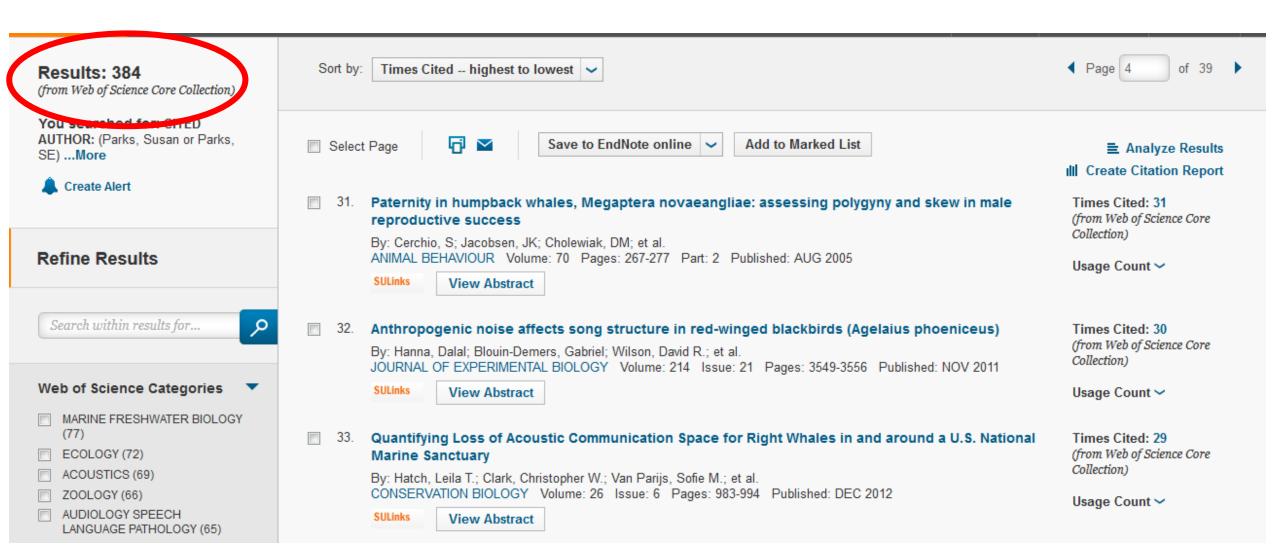
Find the articles that cite a person's work.

Step 1: Enter information about the cited work. Fields are combined with the Boolean AND operator.

* Note: Entering the title, volume, issue, or page in combination with other fields may reduce the number of cited reference variants found.





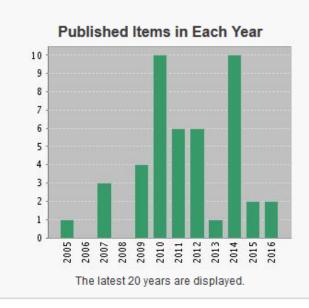


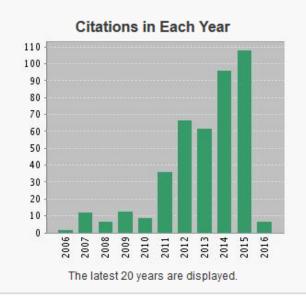
Citation Report: 45

(from All Databases)

You searched for: AUTHOR: (Parks, Susan E.) ...More

This report reflects citations to source items indexed within All Databases.

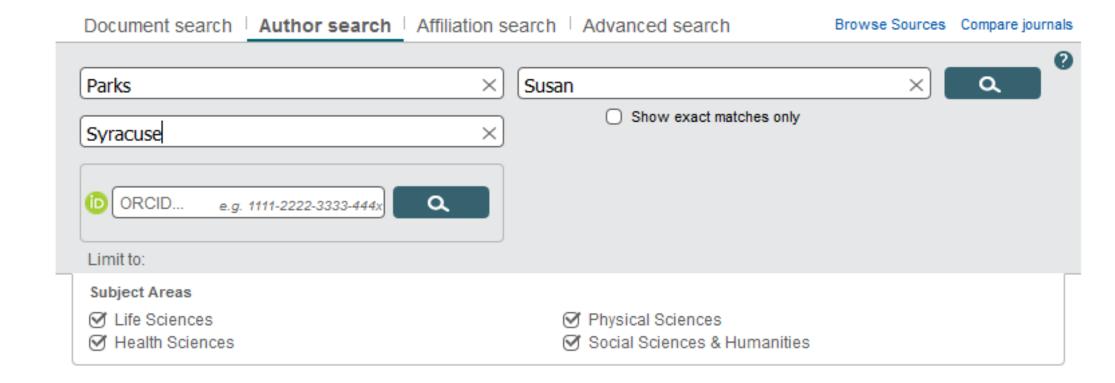


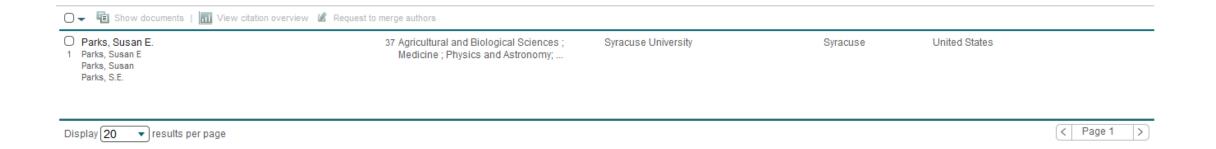




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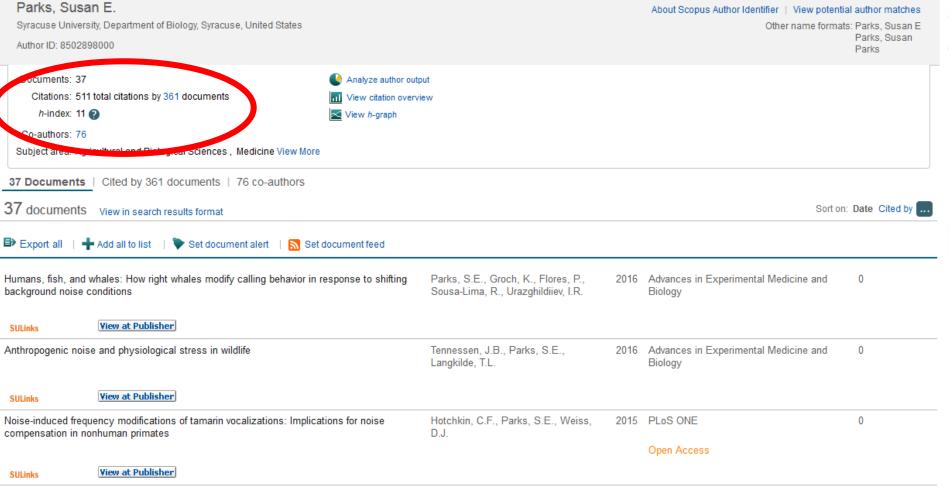








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Years

■ Documents ◆ Citations



Documents

Citations

Sort on: Date (newest) Citation count (descending)		<2012	2012	2013	2014	2015	2016	Subtotal	>2016	Total
	Total	104	60	73	131	115	28	407	0	511
1 Humans, fish, and whales: How right whales modify calling be	2016							0		0
2 Anthropogenic noise and physiological stress in wildlife	2016							0		0
3 Noise-induced frequency modifications of tamarin vocalizatio	2015							0		0
4 Measuring acoustic habitats	2015					3	2	5		5
5 Evidence for acoustic communication among bottom foraging hu	2014					1		1		1
6 Remote acoustic monitoring of North Atlantic right whales (E	2014					4		4		4

Parks, Susan E. Back to author details page

Syracuse University, Department of Biology, Syracuse, United States Author ID:8502898000

Documents (37)

h-index (11)

Citations (511)

Co-authors (76)

Analyze documents published between: 2003

to 2016

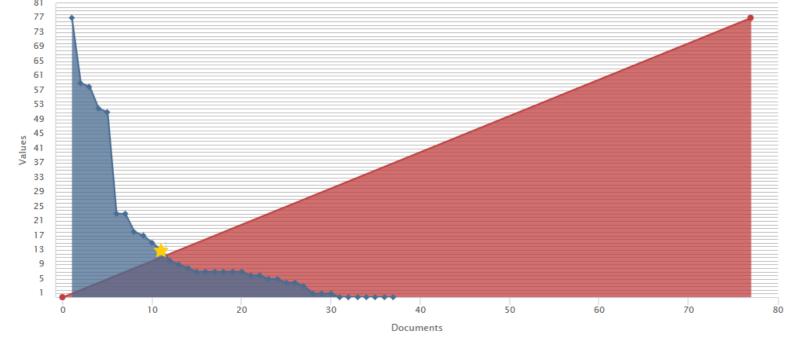
○ Exclude self citations ○ Exclude citations from books

Update Graph

Documents	Citations =	Title
1	77	Management and research applic
2	59	Short- and long-term changes in ri
3	58	Evidence that ship noise increase
4	52	Sound production by North Atlantic
5	51	Individual right whales call louder i
6	23	Variability in ambient noise levels
7	23	The gunshot sound produced by
8	18	Sound production behavior of indiv
9	17	Common humpback whale (Mega
10	15	Response of North Atlantic right w
11	13	Anatomical predictions of hearing
12	10	Detecting marine mammals with
13	9	Population-level lateralized feedin
14	8	Evidence for simultaneous sound
15	7	Assessing marine ecosystem aco
16	7	The Lombard effect and other nois

This author's h-index is 11

The *h*-index is based upon the number of documents and number of citations.



Note: Scopus is in progress of updating pre-1996 cited references going back to 1970. The h-index might increase over time.

Google Scholar

[HTML] Individual right whales call louder in increased environmental noise SE Parks, M Johnson, D Nowacek... - Biology ..., 2011 - rsbl.royalsocietypublishing.org
Abstract The ability to modify vocalizations to compensate for environmental noise is critical for successful communication in a dynamic acoustic environment. Many marine species rely on sound for vital life functions including communication, navigation and feeding. The ...
Cited by 123 Related articles All 8 versions Web of Science: 45 Cite Save More



Google Scholar



Susan Parks

Assistant Professor of Biology, Syracuse University Bioacoustics, Behavioral Ecology, Communication, Conservation Biology Verified email at syr.edu - Homepage

Title 1–20	Cited by	Year
Individual right whales call louder in increased environmental noise SE Parks, M Johnson, D Nowacek, PL Tyack Biology Letters 7 (1), 33-35	123	2011
Evidence that ship noise increases stress in right whales RM Rolland, SE Parks, KE Hunt, M Castellote, PJ Corkeron, DP Nowacek, Proceedings of the Royal Society of London B: Biological Sciences 279 (1737	116	2012
Short-and long-term changes in right whale calling behavior: the potential effects of noise on acoustic communication SE Parks, CW Clark, PL Tyack The Journal of the Acoustical Society of America 122 (6), 3725-3731	112	2007
Management and research applications of real-time and archival passive acoustic sensors over varying temporal and spatial scales SM Van Parijs, CW Clark, RS Sousa-Lima, SE Parks, S Rankin, D Risch, Marine Ecology Progress Series 395, 21-36	99	2009

Google Scholar

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Co-authors View all...

Peter L. Tyack

Peter Teglberg Madsen

Lee A. Miller

Colin Ware

Mark Johnson

Douglas Gillespie

Citation Counts

Tool	Citations
Web of Science	419
Scopus	511
Google Scholar	1084



H-Index

Tool	H-Index
Web of Science	9
Scopus	11
Google Scholar	17



Limitations

- STEM focused
- Proprietary tools, often behind pay walls
- Take a long time to accumulate
- Don't include new forms of scholarly communication



Altmetrics



What are altmetrics?

- Viewed
- Discussed
- Saved
- Cited
- Recommended



Altmetrics in Scopus

Science and Technology Libraries Volume 32, Issue 4, 1 October 2013, Pages 335-345 Introduction to altmetrics for science, technology, engineering, and mathematics (STEM) librarians (Article) Galloway, L.M., Pease, J.L., Rauh, A.E. Mah Syracuse University Libraries, 222 Waverly Ave, Syracuse, NY 13244, United States Abstract

Quantifying scholarly output via citation metrics is the time-honored method to gauge academic success. Altmetrics, or alternative citation metrics, provide researchers and scholars with new ways to track influence across evolving modes of scholarly communication. This article will give librarians an overview of new trends in measuring scholarly influence, introduce them to altmetrics tools, and encourage them to engage with researchers in discussion of these new metrics. @ 2013 Copyright Linda M. Galloway, Janet L. Pease and Anne E. Rauh.

Author keywords altmetrics; bibliometrics; citation metrics; scholarly communication; social media Indexed keywords altmetrics; Bibliometrics; citation metrics; Scholarly communication; Social media Engineering controlled terms: Communication Engineering main heading: Libraries ISSN: 0194262X CODEN: STELD Source Type: Journal Original language: English View in search results format References (24)

Adie, E., Roe, W.

1 Altmetric: Enriching scholarly content with article-leveldiscussion and metrics

(2013) Learned Publishing, 26 (1), pp. 11-17. Cited 24 times.

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http://alpsp.gublisher.ingentaconnect.com/search/download?pub=infobike%3a%2f%2falpsp%2flp%2f2013%2f00000026%2f00000001%2fart000003&mimetype=application%2fpdf&exitTargetid=1357279856543 doi: 10.1087/20130103

View at Publisher

Bik, H.M., Goldstein. M.C.

2 An Introduction to Social Media for Scientists

(2013) PLoS Biology, 11 (4), art. no. e1001535. Cited 49 times.

http://www.plosbiology.org/article/fetchObjectAttachment.action?url=Info%3Adol%2F10.1371%2Fjournal.pbio.1001535&representation=PDF

doi: 10.1371/journal.pbio.1001535

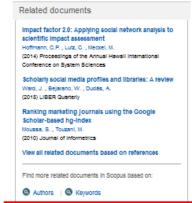
Bushman, M., Michalek, A.

Are alternative metrics still alternative? (2013) ASIST Bulletin, 39 (4), pp. 35-39. Cited 8 times. http://www.asis.org/Bulletin/Apr-13/AprMay13 Buschman Michalek.pdf

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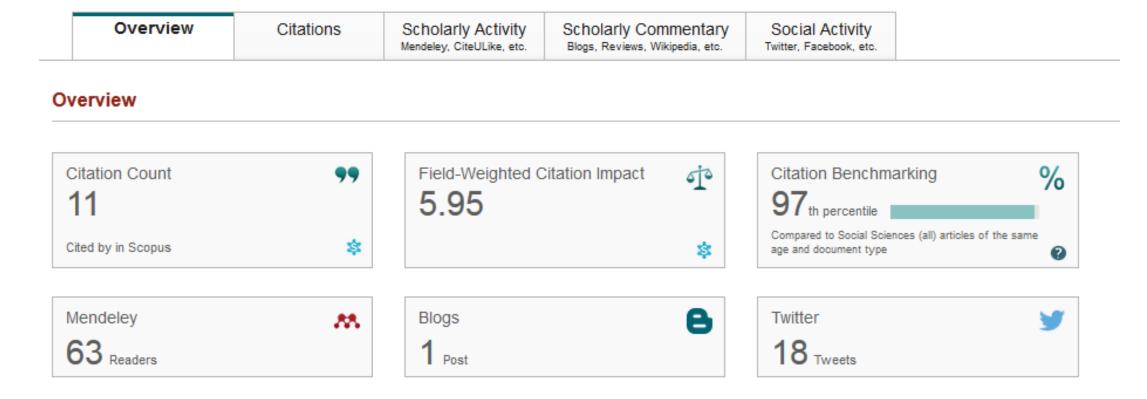
▼ View references (24)







Altmetrics in Scopus

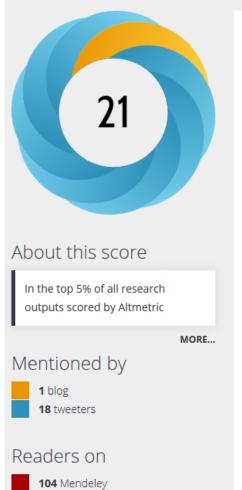


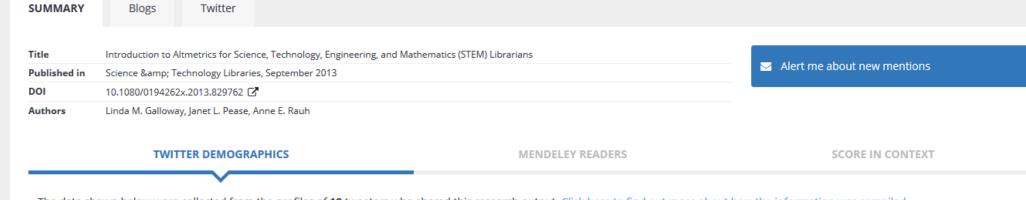


Altmetrics badge

Introduction to Altmetrics for Science, Technology, Engineering, and Mathematics (STEM) Librarians

Overview of attention for article published in Science & Technology Libraries, September 2013





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Geographical breakdown

Country	Count	As %
United States	5	28%
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Japan	2	11%
United Kingdom	2	11%
South Africa	1	6%
Unknown	6	33%

Demographic breakdown

Туре	Count	As

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Websites

Selected Works

Other IDs

Scopus Author ID: 36465770900

▼ Works (4)

A survey of physical sciences, engineering and mathematics faculty regarding author fees in open access journals

Issues in Science and Technology Librarianship

2014 | journal-article

DOI: 10.5062/F4VH5KTQ EID: 2-s2.0-84919346738

URL: http://www.scopus.com/inward/record.url?eid=2-s2.0-84919346738&partnerID=M...

Source: Scopus to ORCID

Preferred source

There's an app for that: Using google scholar citations to profile scholars' work

Issues in Science and Technology Librarianship

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URL: http://www.scopus.com/inward/record.url?eid=2-s2.0-84919360957&partnerID=M...

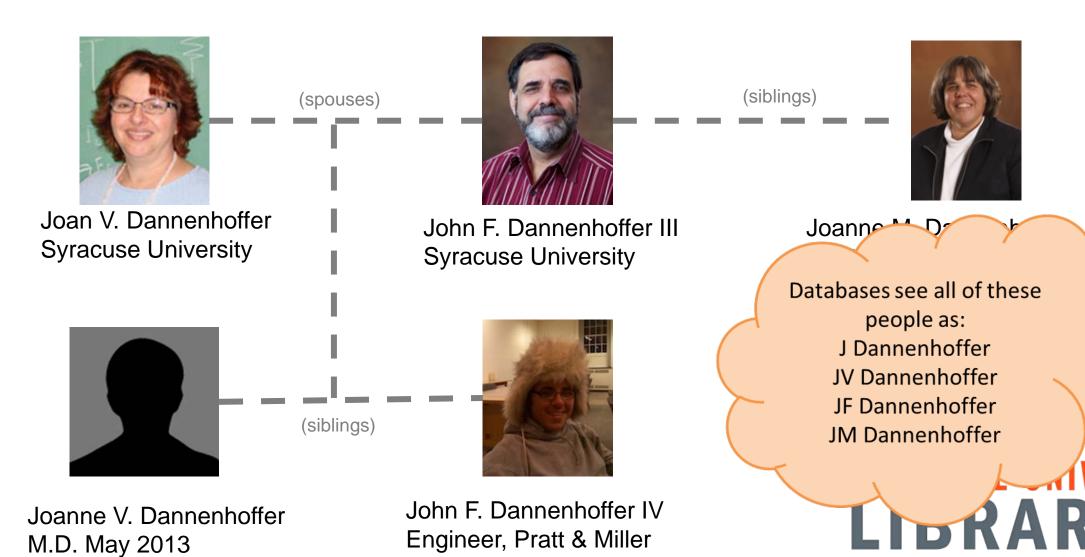
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Questions?

Anne E. Rauh
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February 26, 2016

