

Altmetrics

STEM Librarians Leading the Way

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Science & Engineering Librarian
Syracuse University
October 28, 2016

**“the volume and nature of
attention that research receives
online”**

<http://www.whatarealtmetrics.com/what/>

Traditional metrics

- Impact Factor
- Citation counts
- H-index

Scopus[®]

WEB OF SCIENCE™

Google
Scholar

JOURNAL CITATION REPORTS

Altmetrics

- Viewed
- Discussed
- Shared
- Saved



Impactstory





Anne Rauh  


 2  3  1

OVERVIEW ACHIEVEMENTS **ACTIVITY** PUBLICATIONS

SAVED AND SHARED 146 TIMES

  127 Mendeley saves [click to show](#)
over the last 6 years by *multiple readers*

  15 tweets [click to show](#)
a year ago


 S&TL > Introduction to Altmetrics for Science, Technology, Engineering, and Mathematics (STEM) Librarians
3 years ago by *Scholarship 2.0: An Idea Whose Time Has Come*
[Introduction to altmetrics for science, technology, engineering, and ...](#)

  3 tweets [click to show](#)
3 years ago


Filter by activity

 Mendeley saves (127)

 Tweets (18)


 Blog posts (1)

Altmetric

? What is this page? * Embed badge 🔗 Share

Observation of Gravitational Waves from a Binary Black Hole Merger

Overview of attention for article published in Physical Review Letters, February 2016



4650

? About this Attention Score

In the top 5% of all research outputs scored by Altmetric

MORE...

Mentioned by

- 84 news outlets
- 42 blogs
- 4297 tweeters
- 104 Facebook pages
- 40 Wikipedia pages
- 190 Google+ users
- 2 Redditors
- 6 Q&A threads

Readers on

- 1489 Mendeley

SUMMARY

News

Blogs

Twitter

Facebook

Wikipedia

Google+

Reddit

Q&A

Title Observation of Gravitational Waves from a Binary Black Hole Merger

Published in Physical Review Letters, February 2016

DOI 10.1103/physrevlett.116.061102 [🔗](#)

Pubmed ID 26918975 [🔗](#)

Authors B. P. Abbott, R. Abbott, T. D. Abbott, M. R. Abernathy, F. Acernese, K. Ackley, C. Adams, T. Adams... [\[show\]](#)

Abstract On September 14, 2015 at 09:50:45 UTC the two detectors of the Laser Interferometer Gravitational-Wa... [\[show\]](#)

[🔗 View on publisher site](#)

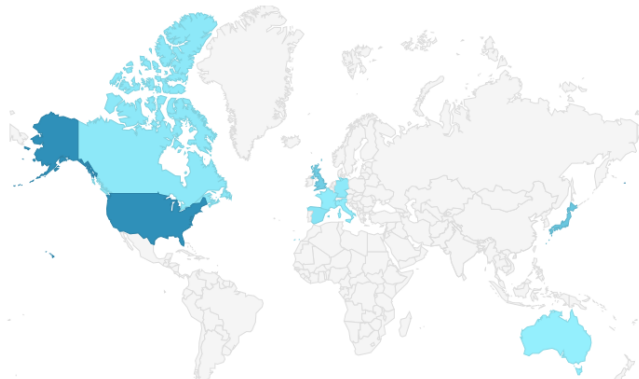
[📧 Alert me about new mentions](#)

TWITTER DEMOGRAPHICS

MENDELEY READERS

ATTENTION SCORE IN CONTEXT

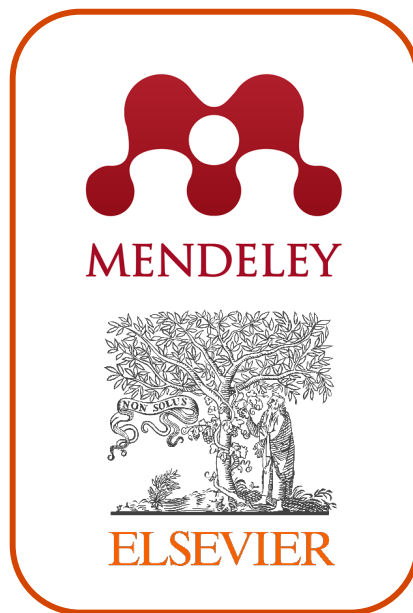
The data shown below were collected from the profiles of 4,297 tweeters who shared this research output. [Click here to find out more about how the information was compiled.](#)



A world map showing attention score distribution by region. The map is color-coded in shades of blue and cyan, indicating the highest attention scores are concentrated in North America (USA and Canada) and Europe. Other regions like Australia and parts of Asia also show some attention.

Why libraries?

Relationships



Discovery systems

STRACUSE UNIVERSITY LIBRARIES
SUMMON

whale sounds Search

Chat Is Offline

languages & literatures (2,477)
biology (2,249)
ecology (2,211)
zoology (2,092)
environmental sciences (1,760)
More...

PUBLICATION DATE

from to

SUBJECT TERMS

LANGUAGE

LIBRARY LOCATION

[Back to top](#)

by [Isounno, Saana; Cure, Charlotte; Kvadheim, Peter Helgevolv; more...](#)
Ecological Applications, 01/2016, Volume 26, Issue 1
Permalink
[Journal Article: Full Text Online](#)

4. Correction: Fin Whale Sound Reception Mechanisms: Skull Vibration Enables Low-Frequency Hearing: e0122298
PLoS One, 03/2015, Volume 10, Issue 3
Permalink
The correct sentence for this section is: "Since this value has never been measured for a baleen whale, our approach was to set the hearing threshold to be similar to that measured for toothed whales, the bottlenose dolphin [41...
[Journal Article: Full Text Online](#)

5. Simulated masking of right whale sounds by shipping noise: Incorporating a model of the auditory periphery
by [Cunningham, K.A. Mountain, D.C.](#)
JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 03/2014, Volume 135, Issue 3
Permalink
Many species of large, mysticete whales are known to produce low-frequency communication sounds...
[Journal Article: Full Text Online](#) **Altmetric: 236** Cited by 2 (Web of Science™)

6. Fin Whale Sound Reception Mechanisms: Skull Vibration Enables Low-Frequency Hearing: e0116222
by [Ted W Cranford; Petr Krušl](#)
PLoS One, 01/2015, Volume 10, Issue 1
Permalink
Hearing mechanisms in baleen whales (Mysticeti) are essentially unknown but their vocalization frequencies overlap with anthropogenic sound sources...
[Journal Article: Full Text Online](#) **Altmetric: 236**

7. Marine biologists interpret whale sounds
by [Kaplan, Matt](#)
Nature News, 07/2008
Permalink
[Magazine Article: Available Online](#) **Altmetric: 10**

8. Automated detection and localization of bowhead whale sounds in the presence of seismic airgun surveys
by [Thode, Aaron M; Kim, Katherine H; Blackwell, Susanna B; more...](#)
The Journal of the Acoustical Society of America, 05/2012, Volume 131, Issue 5
Permalink

designed for solid-fuel rocket motors. Our computer (finite element) modeling toolkit allowed us to visualize what occurs when sounds interact with the anatomic geometry of the whale's head. Simulations reveal two mechanisms that excite both bony ear complexes, (1) the skull-vibration enabled bone conduction mechanism and (2) a pressure mechanism transmitted through soft tissues. Bone conduction is the predominant mechanism. The mass density of the bony ear complexes and their firmly embedded attachments to the skull are universal across the Mysticeti, suggesting that sound reception mechanisms are similar in all baleen whales. Interactions between incident sound waves and the skull cause deformations that induce motion in each bony ear complex, resulting in best hearing sensitivity for low-frequency sounds. This predominant low-frequency sensitivity has significant implications for assessing mysticete exposure levels to anthropogenic sounds. The din of man-made ocean noise has increased steadily over the past half century. Our results provide valuable data for U.S. regulatory agencies and concerned large-scale industrial users of the ocean environment. This study transforms our understanding of baleen whale hearing and provides a means to predict auditory sensitivity across a broad spectrum of sound frequencies.

Materials Science & Engineering Database

Source: [ProQuest Central \(purchase pre-March 2016\)](#)

Publication Title: PLoS One

Publisher: Public Library of Science

Volume: 10

Issue: 1

Date: 01/2015

EISSN: 1932-6203

DOI: [10.1371/journal.pone.0116222](#)

Subjects: [Sound](#), [Whales & whaling](#), [Animal behavior](#), [Marine mammals](#)

Language: English

Altmetrics:

236

- Picked up by 24 news outlets
- Blogged by 7
- Tweeted by 1
- On 4 Facebook pages
- Mentioned in 1 Google+ posts
- 64 readers on Mendeley

[See more details](#)

Institutional repositories

Physical activity and depression: a multiple mediation analysis

Pickett, Karen, Yardley, Lucy and Kendrick, Tony (2012) Physical activity and depression: a multiple mediation analysis. *Mental Health and Physical Activity*, 5, (2), 125-134. [doi:10.1016/j.mhpa.2012.10.001](https://doi.org/10.1016/j.mhpa.2012.10.001).

Download

Full text not available from this repository.

Description/Abstract

Objectives: Physical activity is associated with reduced symptoms among people with depression, but the factors that may mediate this relationship are poorly understood. We conducted multiple mediation analyses to assess whether positive affect (PA), negative affect (NA), physical activity self-efficacy, coping self-efficacy and exercise-induced feelings cross-sectionally mediated the association and the relative importance of each of these. We also examined whether leisure-time, non-leisure time or total physical activity were more strongly associated with depression.

Method: Participants (N = 164) experiencing depression or low mood completed a one-off postal questionnaire containing measures of physical activity, depression, the potential mediators and covariate variables. Data were analysed using correlations and multiple mediation analyses, controlling for the covariates.

Results: Higher levels of leisure-time and total, but not non-leisure time, physical activity were significantly associated with lower depression. Improvement in PA, pleasant feeling states, NA and levels of physical exhaustion significantly mediated the association between leisure-time and total, but not non-leisure time, physical activity and depression. Post-hoc analyses showed that improvements in physical activity self-efficacy mediated the leisure-time physical activity and depression relationship through improved PA. Coping self-efficacy was not a statistically significant mediator.

Conclusions: Leisure-time physical activity may be more beneficial for depression than non-leisure time physical activity, as it increases PA and pleasant feelings and reduces NA and physical exhaustion. PA responses may be partly dependent on improvement in physical activity self-efficacy. People's psychosocial experiences of physical activity may be more important predictors of their depression response than total energy expenditure.

Item Type:	Article				
Digital Object Identifier (DOI):	doi:10.1016/j.mhpa.2012.10.001				
ISSNs:	1755-2966 (print)				
Related URLs:	http://www.sciencedirect.com/s_012000543#				
Keywords:	exercise, mental health, psychological mechanisms, positive affect, negative affect, self-efficacy				
Divisions:	Faculty of Medicine Faculty of Medicine > Primary Care and Population Sciences Faculty of Social and Human Sciences > Psychology				
ePrint ID:	345061				
Date:	<table border="1"> <tr> <th>Date</th> <th>Event</th> </tr> <tr> <td>December 2012</td> <td>Published</td> </tr> </table>	Date	Event	December 2012	Published
Date	Event				
December 2012	Published				
Date Deposited:	11 Dec 2012 10:15				
Last Modified:	31 Mar 2016 14:38				
URI:	http://eprints.soton.ac.uk/id/eprint/345061				

ASCI Citation

Actions (login required)

View Item

Altmetric

■ Tweeted by 10
■ On 1 Facebook pages
■ 51 readers on Mendeley
■ 0 readers on Connotea
■ 0 readers on CiteULike

[View details on Altmetric's website](#)

SYRACUSE UNIVERSITY LIBRARIES
SURFACE The Face of Syracuse University Research

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Home > College of Arts and Sciences > Chemistry > 42 Next >

Chemistry Faculty Scholarship

Understanding How the Platinum Anticancer Drug Carboplatin Works: From the Bottle to the Cell

1,228 Downloads
Since March 08, 2013

Included in
Chemistry Commons

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[Jerry Goodisman, Syracuse University](#) Follow

[James C. Dabrowiak, Syracuse University](#) Follow

Document Type
Article

Date
7-1-2012

Embargo Period
1-23-2013

Keywords
carboplatin, self-association, mechanism of action, carbonate

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Links

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Syracuse University Archives
Syracuse University College of Law
Syracuse University Library
Syracuse University Press
Syracuse University Dept of Chemistry

Research information management systems



Susan E Parks

College of Arts & Sciences > Syracuse University, Department of Biology

[Overview](#) [Fingerprint](#) [Network](#) [Grants \(8\)](#) [Research Output \(39\)](#) [Similar Profiles \(14\)](#)

Bottom side-roll feeding by humpback whales (*Megaptera novaeangliae*) in the southern Gulf of Maine, U.S.A

Ware, C., Wiley, D. N., Friedlaender, A. S., Weinrich, M., Hazen, E. L., Bocconcelli, A.,

Susan E Parks

, Stimpert, A. K., Thompson, M. A. & Abernathy, K. 2014 In : Marine Mammal Science. 30, 2, p. 494-511 18 p.

Article

[animal](#) [whale](#) [fishing gear](#) [feeding behavior](#) [vulnerability](#)

8

Citations



Evidence for acoustic communication among bottom foraging humpback whales

Susan E Parks

, Cusano, D. A., Stimpert, A. K., Weinrich, M. T., Friedlaender, A. S. & Wiley, D. N. Dec 16 2014 In : Scientific Reports. 4, 7508

Article

[Humpback Whale](#) [Acoustics](#) [Communication](#) [Singing](#) [Feeding Behavior](#)

3

Citations



And more relationships

Bottom sideâroll feeding by humpback whales (*Megaptera novaeangliae*) in the southern Gulf of Maine, U.S.A

Overview of attention for article published in Marine Mammal Science, January 2013



About this Attention Score

In the top 5% of all research outputs scored by Altmetric

MORE...

Mentioned by

- 7 news outlets
- 7 tweeters
- 4 Google+ users

Readers on

- 27 Mendeley

SUMMARY

News

Twitter

Google+

So far, Altmetric has seen 10 news stories from 7 outlets.

redOrbit

Bottom-Feeding Observed In Gulf Of Maine Humpback Whales

redOrbit, 31 Oct 2013

April Flowers for redOrbit.com - Your Universe Online Humpback whales have exhibited a complex set of feeding techniques...

NATURE WORLD NEWS

Humpback Whales Are Primarily Bottom Feeders [VIDEO]

Nature World News, 30 Oct 2013

Building off recent research that documented three distinct types of bottom feeding tactics deployed by humpback whales...

ScienceDaily

Bottom-feeding behavior of humpback whales confirmed

Science Daily, 30 Oct 2013

Scientists have confirmed that humpback whales in the southern Gulf of Maine are spending more feeding time on the ocean floor...

EarthSky

The foraging acrobatics of humpback whales

EarthSky, 21 Oct 2013

Acoustic and camera tags attached to the whales revealed a repertoire of feeding acrobatics. The video in this post gives you a...

ScienceNewsline

Research Reveals Bottom Feeding Techniques of Tagged Humpback Whales in Stellwagen Bank Sanctuary

Science Newsline, 26 Sep 2013

New NOAA-led research on tagged humpback whales in Stellwagen Bank National Marine Sanctuary reveals a variety of previously...

NATURE WORLD NEWS

Humpback Whale's Bottom Feeding Tactics Revealed [VIDEO]

Nature World News, 26 Sep 2013

Humpback whales employ a variety of bottom feeding techniques on the ocean floor, researchers have learned after studying...

What is the role of librarians?

Guides

SYRACUSE UNIVERSITY LIBRARIES Subject Guides

Libraries / Subject Guides / Scholarly Impact / Home

Scholarly Impact

Learn how to use various tools to evaluate scholarly output.

Home

Journal Metrics

Citation Metrics

Scopus

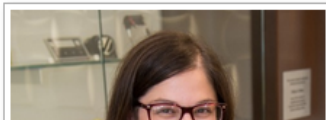
Web of Science

Google Scholar

Altmetrics

SU Recent Publications

Subject Guide



Introduction

Discovering and documenting one's research impact is an important part of the scholarly process. This guide is designed to help you understand the methods and tools available for documenting impact.

- **Journal Metrics** shows tools for determining highly-cited journals
- **Citation Metrics** includes instructions for performing cited reference searches in three major resources - **Scopus**, **Web of Science**, and **Google Scholar** - illustrating the number of times an author or published work has been cited.
- **Altmetrics** is a new means of measuring a scholar's impact based on their presence in the social web using online tools and environments.

Getting Started

To be sure that your scholarly impact is accurately represented, we recommend that you do three things:

1. Register for ORCID

ORCID (Open Researcher and Contributor Identification) is an initiative to provide researchers and scholars with a persistent, unique identifier. This will enable individuals to get recognized for all their scholarly output, in both established and emerging media. With broad-based support from publishers, academic institutions, and funders, ORCID registration and services are free to individuals. Sign up at <http://about.orcid.org/>.

Conversations



SU ADVANCE

 Search

Resources

Initiatives

SU Advance Team

Reports & Publications

Contact



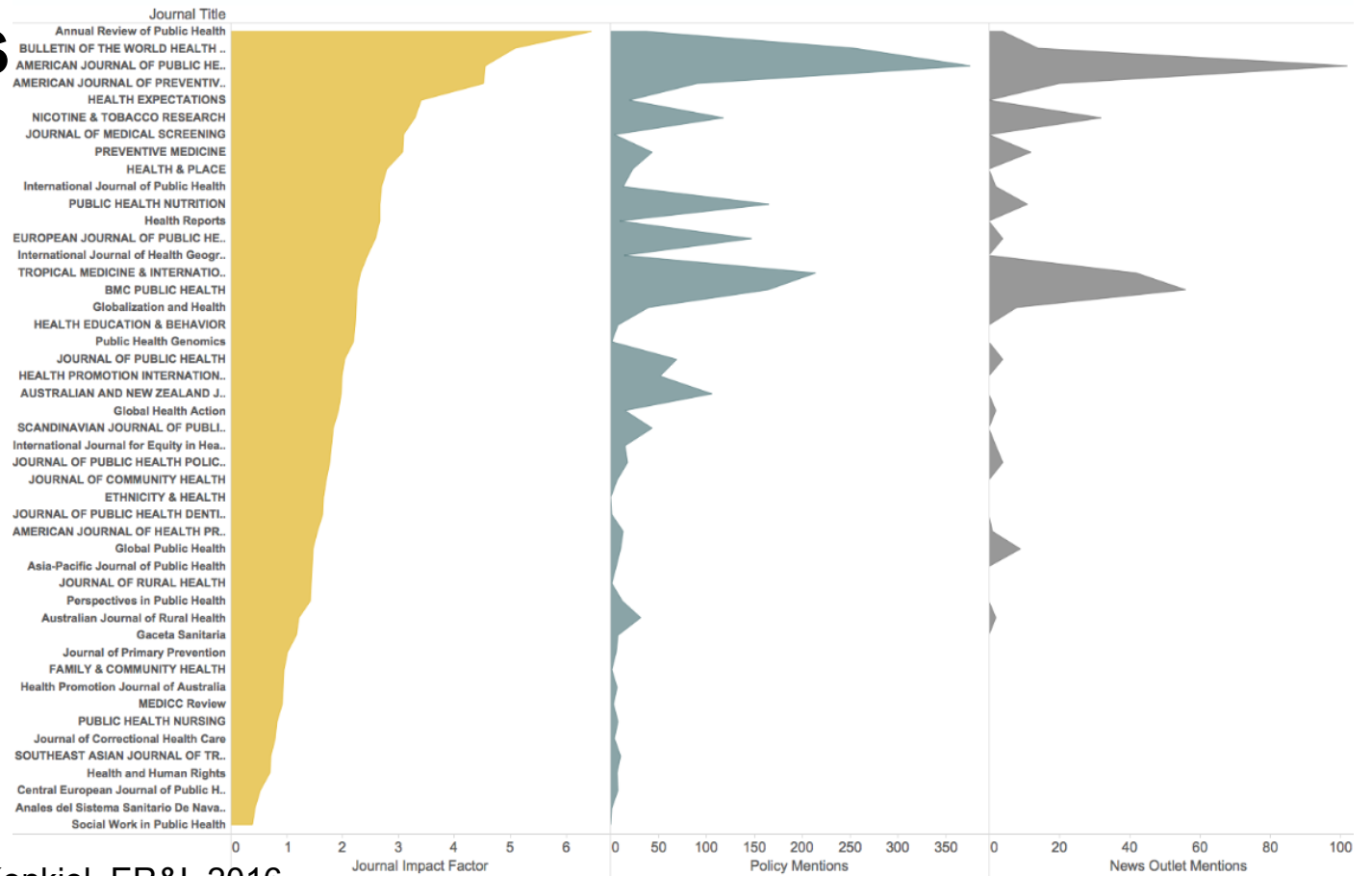
Syracuse University Advance

Lunch & Learn: Demonstrating Your Scholarly Impact

Friday, February 26, 2016

Quantifying scholarly output via citation metrics is the long-standing practice to gauge academic success. While there are many limitations to this practice, the tools and methods used are important for scholars to understand. This workshop, led by Anne Rauh, Science & Engineering Librarian and Interim Collection Development and Analysis Librarian for Syracuse Libraries, taught participants to demonstrate the impact of their work through metrics such as impact factor, h-index, and citation counts. It discussed access to the tools that provide these metrics and best practices for demonstrating one's scholarly impact.

Collections



Robin Champieux and Stacy Konkiel, ER&L 2016

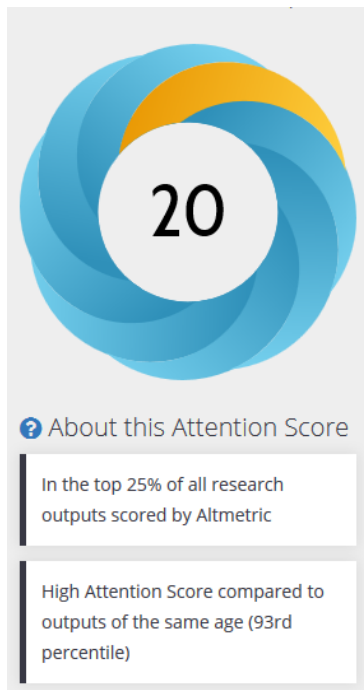
Leading by example

Skills

“Chris Bourg, director of MIT Libraries, Cambridge, MA, says some librarians may need to help scholars put together the data needed for tenure and promotion reviews.”

Schwartz, Meredith. “[Top Skills for Tomorrow’s Librarians: Careers 2016.](#)” *Library Journal*.

Promote yourself



Anne Rauh  

 2  3  1

OVERVIEW **ACHIEVEMENTS** ACTIVITY PUBLICATIONS

7 ACHIEVEMENTS



Open Access

 Top 50%

80% of your research is free to read online. This level of availability puts you in the top 28% of researchers.


 link  share



Global Reach

Your research has been saved and shared in 23 countries.

 Countries include Australia, Canada, Colombia and 20 more.


 link  share



Greatest Hit

 Top 50%

Your top publication has been saved and shared 129 times. Only 39% of researchers get this much attention on a publication.

 Your greatest hit online is [Introduction to altmetrics for science, technology, engineering, and mathematics \(STEM\) librarians](#).


 link  share

Filter by dimension

 buzz (2)

 engagement (3)

 openness (1)

 fun (1)

Altmetrics resources

[A Practical Guide to Altmetrics for Scholarly Communication Librarians](#) by Natalia Madjarevic

[What Are Altmetrics?](#) by Stacy Konkiel, altmetrics.com

[Keeping Up With... Altmetrics](#) by Robin Chin Roemer and Rachel Borchardt

Questions?

Anne Rauh

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