



How to improve grant application success with Altmetric tools and data

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Introductions

Josh (London, UK)
Marketing Manager



Stacy (Minneapolis, USA)
Director of Research Relations



What we'll cover

- A little housekeeping
- Tips for using Altmetric data and tools to improve grant applications
- Q&A



Housekeeping

- The webinar is being recorded.
- Registrants will receive a link to the recording tomorrow.
- All attendees are currently muted.
- Technical issues? Please send the “host” a private chat for assistance.
- Questions? Type them into the chat box for Q&A at the end.



In most grant applications...

- Talk about the importance of your work



Typically provide...

- Narratives for planned research, rooted in past experience



How can you...

- Showcase the impact of past work?
- Explain public influence of your research?
- Characterize non-traditional scholarly impact?
- Explain the impact of recently published works?



Altmetrics!





View early feedback

Use altmetrics to discover attention research is receiving online in real-time



Citations

Often slow to accrue
(2-5 years)



ALTMETRICS
Immediate





Find broader impacts

Use altmetrics to learn where your work has made a difference in the world

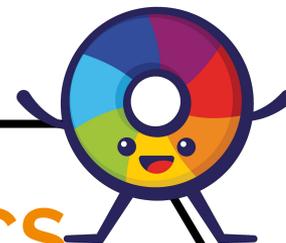
Citations

Good at showing only a specific kind of scholarly interest



ALTMETRICS

Shows influence on policy, society, doctors, and more!





Forming a narrative

Use altmetrics to describe the reach and impact of your work

Use Altmetric Explorer to search your research outputs and start building context around the “real world” uses of your work.

Consider investigating:

- Policy mentions
- Mass media mentions
- Patent mentions
- Social media mentions





Patent citations

A Randomized, Controlled Trial of Surgery for Temporal-Lobe Epilepsy

Altmetric Details Page

24

About this Attention Score

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

Mentioned by

- 4 policy sources
- 8 tweeters
- 6 patents
- 1 Facebook page
- 1 Wikipedia page

Citations

- 1920 Dimensions

Readers on

- 564 Mendeley
- 1 Cital iLike

SUMMARY Policy documents Twitter Patents Facebook Wikipedia Dimensions citations

So far, Altmetric has seen 6 patents that reference this research output.

Botulinum toxin treatments of neurological and neuropsychiatric disorders Grant US-10064921-B2 United States Patent and Trademark Office 04 Sep 2018	Botulinum toxin treatment of anxiety and bipolar disorders Grant US-9238061-B2 United States Patent and Trademark Office 19 Jan 2016
Botulinum toxin treatments of depression Grant US-8617572-B2 United States Patent and Trademark Office 31 Dec 2013	Botulinum toxin treatments of depression Grant US-8609112-B2 United States Patent and Trademark Office 17 Dec 2013
Botulinum toxin treatments of depression Grant US-8609113-B2 United States Patent and Trademark Office 17 Dec 2013	Intracranial botulinum toxin therapy for focal epilepsy Grant US-7367934-B2 United States Patent and Trademark Office 15 Apr 2008



Patent citations

A Randomized, Controlled Trial of Surgery for Temporal-Lobe Epilepsy

The screenshot shows the Dimensions database interface. At the top, there is a search bar with the text "e.g. plastic AND instrument" and a search icon. To the right of the search bar are buttons for "Workflow" and "Support", and a user profile icon for "Patty Smi...".

The main content area displays the following information:

- Patent**
Intracranial botulinum toxin therapy for focal epilepsy
Grant US-7357934-B2
- Abstract**
Methods for treating and/or curing epilepsy by intracranial administration of a botulinum toxin.
- Patent references - 11**
Sorted by: Date
- Neurotoxin implant**
Allergan Inc - Stephen Donovan, Daniel G. Brady
Grant US - Granted year: 2001
459
- Use of neurotoxin therapy for treatment of urologic and related disorders**
Allergan Inc - Richard A. Schmidt
Grant US - Granted year: 2002
150

On the right side of the interface, there is a "Share" button and a "Full text" button, which is circled in red. Below these buttons is a "Details" section with the following information:

- Patent citations** 25 [About](#)
- Inventor**
Stephen Donovan
Joseph Francis
- Original Assignee**
[Allergan \(United States\)](#)
- Current Assignee**
[Allergan \(United States\)](#)
- Legal status**
Expired - Fee Related
- Expires**
2021/07/06





Patent citations

A Randomized, Controlled Trial of Surgery for Temporal-Lobe Epilepsy

Dimensions Workflow Support Patty Smi...

Patent

Intracranial botulinum toxin therapy

Grant US-7357934-B2

Abstract

Methods for treating and/or curing epilepsy by intracranial administration of a botulinum toxin.

Patent references - 11

[Neurotoxin implant](#)

Allergan Inc - Stephen Donovan, Daniel G. Brady
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[Use of neurotoxin therapy for treatment of epilepsy](#)

Allergan Inc - Richard A. Schmidt
Grant US - Granted year: 2002
150


 US 20080160121A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2008/0160121 A1**

Donovan et al. (43) **Pub. Date: Jul. 3, 2008**

(54) **INTRACRANIAL BOTULINUM TOXIN THERAPY FOR FOCAL EPILEPSY**

(75) Inventors: **Stephen Donovan**, Capistrano Beach, CA (US); **Joseph Francis**, Aliso Viejo, CA (US)

Correspondence Address:
ALLERGAN, INC.
2525 DUPONT DRIVE, T2-7H
IRVINE, CA 92612-1599

(73) Assignee: **ALLERGAN, INC.**, Irvine, CA (US)

(21) Appl. No.: **12/036,760**

(22) Filed: **Feb. 25, 2008**

Related U.S. Application Data

(60) Continuation of application No. 10/421,504, filed on Apr. 22, 2003, now Pat. No. 7,357,934, which is a continuation-in-part of application No. 09/903,849, filed on Jul. 12, 2001, now abandoned, which is a division of application No. 09/596,306, filed on Jun. 14, 2000, now Pat. No. 6,306,403.

Publication Classification

(51) **Int. Cl.**
A61K 35/74 (2006.01)
A61P 25/08 (2006.01)

(52) **U.S. Cl.** **424/780**

(57) **ABSTRACT**

Methods for treating and/or curing epilepsy by intracranial administration of a botulinum toxin.





Policy citations

A Randomized, Controlled Trial of Surgery for Temporal-Lobe Epilepsy

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Citations

- 1920 Dimensions

SUMMARY **Policy documents** Twitter Patents Facebook Wikipedia Dimensions citations

So far, Altmetric has seen 4 policy documents that reference this research output.

Diagnosis and management of epilepsy in adults
Cited by Scottish Intercollegiate Guidelines Network on 14 May 2015
The Scottish Intercollegiate Guidelines Network (SIGN) develops evidence based clinical practice guidelines for the National Health Service (NHS) in Scotland.

Epilepsy Across the Spectrum: Promoting Health and Understanding
Cited by National Academies Press on 01 Jan 2012
The US National Academies Press (NAP) was created by the National Academy of Sciences to publish the reports of the National Academies of Sciences, Engineering and Medicine, operating under a charter granted by the Congress of the United States. The NAP publishes on a wide range of topics in science, engineering, and medicine, providing authoritative information on important matters in science and health policy.

Informe sobre la epilepsia en latinoamerica
Cited by World Health Organization on 01 Jan 2008
The World Health Organization (WHO) is the directing and coordinating authority for health within the United Nations system.

Living well with epilepsy II; report of the 2003 National Conference on Public Health and Epilepsy : Priorities for a public health agenda on epilepsy
Cited by Centers for Disease Control and Prevention (CDC) on 01 Jan 2004
CDC is America's leading public health agency, dedicated to saving and protecting the health of Americans. CDC monitors health, informs decisionmakers, and provides people with information so they can take responsibility for their own health.





Policy citations

A Randomized, Controlled Trial of Surgery for Temporal-Lobe Epilepsy

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Epilepsy Across the Spectrum: Promoting Health and Understanding
Cited by National Academies Press on 01 Jan 2012
The US National Academies Press (NAP) was created by the National Academy of Sciences to publish the reports of the National Academies of Sciences, Engineering and Medicine, operating under a charter granted by the Congress of the United States.

SURGICAL REFERRAL

Neurosurgical procedures are an effective treatment for some patients with epilepsy resistant to drug treatment (see section 4.3).^{166, 167} It is important that surgery be considered as soon as it is established that the epilepsy is drug resistant, as the benefits will be greater in younger patients. Some neurosurgical procedures involve resection of part of the brain, and the aim is to obtain complete seizure freedom. For

provides people with information so they can take responsibility for their own health.



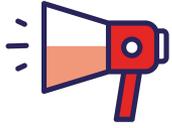


Forming a narrative

Use altmetrics to describe the reach and impact of your work

“This work has been established as foundational knowledge regarding best practices for surgical treatment of temporal lobe epilepsy, **as evidenced by citations in 4 international policy documents including the World Health Organization and citations in patent applications to expand treatment options using BOTOX treatments.**”





Mass media attention

*Obesity Discrimination in the Recruitment Process:
"You're Not Hired!"*



PBSO NEWS HOUR

This genetic test can predict your odds for obesity from the day you're born

By Vicky Stein

Leave a comment

BBC NEWS **BBC - Future - The bizarre bias that affects how you shop**

BBC NEWS **BBC - Capital - Can dogs help us avoid hiring bias?**
BBC News, 11 Feb 2019

BBC NEWS **BBC - Capital - How hidden bias can stop you getting a job**
BBC News, 06 Aug 2018
Today, there are few arguments that can be made against having a diverse, multicultural workforce.

SCIENTIFIC AMERICAN.



Fat Is Not the Problem—Fat Stigma Is

“Health experts” are sending incorrect and destructive messages about the relationship between weight and wellness





Forming a narrative

Use altmetrics to describe the reach and impact of your work

“My work on obesity discrimination during the hiring process has **garnered widespread attention in the mass media, including 3 stories on BBC News and 2 in Forbes, revealing the widespread appeal of this work from the general public to business-focused audiences.** Additionally, this attention demonstrates that the results of my work are directly reaching the people that this discrimination impacts, reinforcing the public interest in my work and the importance of continued research in this area.”





Policy citations

The influence of hospital ward design on resilience to heat waves: An exploration using distributed lag models

Altmetric Details Page



3

About this Attention Score

Good Attention Score compared to outputs of the same age (65th percentile)

Mentioned by

- 1 policy source

Citations

- 4 Dimensions

SUMMARY Policy documents Dimensions citations

So far, Altmetric has seen 1 policy document that references this research output.

Heatwave guide for cities
Cited by Analysis & Policy Observatory (APO) on 16 Jul 2019
Analysis & Policy Observatory (APO) is a research database and alert service providing free access to full-text research reports and papers, statistics and other resources essential for public policy development and implementation in Australia and New Zealand.





Forming a narrative

Use altmetrics to describe the reach and impact of your work

“This research informed the ‘Hospitals’ section of the Red Cross Red Crescent Climate Center *Heatwave Guidelines for Cities*. Per our research, this guidelines recommends reviewing building orientation, materials, exterior shading, and structural density in order to increase resilience during heatwaves and decrease the internal temperature of the buildings during periods of extreme heat. ”





Policy citations

Rapid Declines in Age Group-Specific Rotavirus Infection and Acute Gastroenteritis Among Vaccinated and Unvaccinated Individuals Within 1 Year of Rotavirus Vaccine Introduction in England and Wales



Rotavirus Laboratory Reporting (SGSS) - England and Wales

[\[Back to top\]](#)

The number of laboratory reports of rotavirus in England and Wales as reported to Public Health England, in this season (week 27, 2017 to week 03, 2018) is 693. This is 45 per cent lower than the four season average (post-vaccine) for the same period in the seasons 2013/14 to 2016/17 (1249).

Rotavirus particularly contributes to reported diarrhoea and vomiting illness in children aged under five however in the first season following the introduction of the rotavirus vaccine in July 2013, a 77 per cent decline in laboratory-confirmed rotavirus infections in infants was observed (Atchison et al, 2016). The total number of laboratory-confirmed rotavirus infections each season has since remained low compared to the pre-vaccine period.





Using altmetrics in references

Use altmetrics to describe the reach and impact of your work

Grant Application Supporting References

1. Rapid Declines in Age Group-Specific Rotavirus Infection and Acute Gastroenteritis Among Vaccinated and Unvaccinated Individuals Within 1 Year of Rotavirus Vaccine Introduction in England and Wales. *The Journal of Infectious Diseases*, 213(2), 243-249, January 2016. **RCR: 5.62; Cited in 23 weekly Public Health England norovirus reports (Dimensions; Altmetric)**
2. Effectiveness of oral rotavirus vaccination in England against rotavirus-confirmed and all-cause acute gastroenteritis Vaccine X, March 2019. *Cited in Pediatric News (Altmetric)*
3. Replication of human noroviruses in stem cell-derived human enteroids *Science*, 353(6306), 1387-1393, September 2016. **RCR: 112; Top 4% of papers published in Science (Dimensions; Altmetric)**



How Altmetric tools can help

The Altmetric Explorer for Institutions

Lilliput University

Exploring data for all research outputs from the full Altmetric database

Quick search...

HIGHLIGHTS RESEARCH OUTPUTS TIMELINE DEMOGRAPHICS MENTIONS JOURNALS

Showing 26,242,056 research outputs from the results of your search query. Of those, 13,606,001 have been mentioned.

EXPORT THIS TAB SAVE SEARCH

Sort by: Altmetric Attention Score (Highest first)

Few-Shot Adversarial Learning of Realistic Neural Talking Head Models Article, May 2019	Scientists rise up against statistical significance News story in <i>Nature</i> , March 2019
How Diversity Works Article in <i>Scientific American</i> , September 2014	Republican lawmaker: Rocks tumbling into ocean causing sea level rise News story in <i>Science</i> , May 2018
Mortality in Puerto Rico after Hurricane Maria Article in <i>New England Journal of Medicine</i> , July 2018	The spread of true and false news online Article in <i>Science</i> , March 2018
Measles, Mumps, Rubella Vaccination and Autism Article in <i>Annals of Internal Medicine</i> , March 2019	The Russian "Firehose of Falsehood" Propaganda Model Book in <i>www.rand.org</i> , July 2016
Trump White House quietly cancels NASA research verifying greenhouse	World Scientists' Warning to Humanity: A Second Notice



The Altmetric Explorer for Institutions

- Search by funder - Explore and report on the attention for yours and other institutions funded work
- Explore the entire Altmetric database - Uncover publications to include in your grant application
- Uncover attention highlights and trends - Perform batch searches within the Explorer and click through to see attention highlights

The screenshot displays two panels from the Altmetric Explorer. The left panel, titled 'Latest news highlights', lists three news items with their respective logos and titles. Each item includes a 'Cites the following research outputs:' section with a small bar chart and a link to the research output. The right panel, titled 'Latest mentions', shows three mentions from Wikipedia and a tweet, each with a quote icon, a date, and a 'Cites the following research output:' section with a small bar chart and a link to the research output.

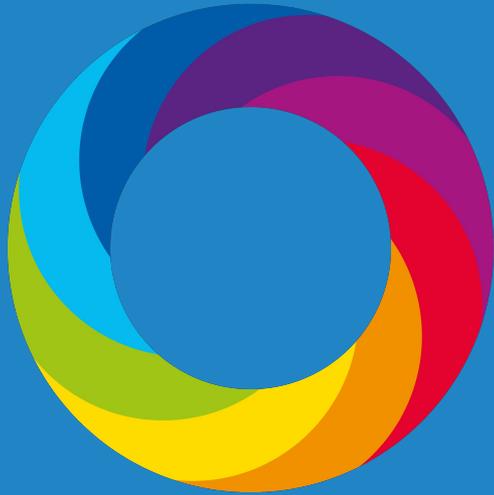
Latest news highlights

- Forbes** Why Some Shapes Make You Feel Calm And Other Shapes Seem Angry
Published by **Forbes**, 16 Jul 2019
Cites the following research outputs:
Cross-cultural recognition of basic emotions through nonverbal...
- Harvard Business Review** Companies Don't Always Need a Purpose Beyond Profit
Published by **Harvard Business Review**, 03 May 2019
Cites the following research outputs:
Poverty and mental disorders: breaking the cycle in low-income and...
- Newsweek** 16p11.2: Autism-linked Genetic Changes Now Appear to be Connected...
Published by **Newsweek**, 28 Feb 2019
Cites the following research outputs:
Analysis of copy number variations at 15 schizophrenia-associated loci

Latest mentions

- Mentioned 3 days ago in a [Wikipedia page](#)
“ BioNtech SE (“BioNtech”) is a privately-held biotechnology company focused on the development and manufacturing of activation immunotherapies for a patient-tailored approach to the treatment of cancer and other serious diseases.
Cites the following research output:
The cancer genome
- Mentioned 4 days ago in a [Wikipedia page](#)
“ 3q29 microdeletion syndrome is a rare genetic disorder resulting from the deletion of a segment of chromosome 3.
Cites the following research output:
Analysis of copy number variations at 15 schizophrenia-associated loci
- Mentioned 4 days ago in a [tweet by @bot_obio](#)
“ @yokonaga405 Nature. 2006 Dec 14;444(7121):894-8. An SCN9A channelopathy causes congenital inability to experience pain. <https://r.t.co/xoDkxP3QK4>
Cites the following research output:
An SCN9A channelopathy causes congenital inability to experience pain





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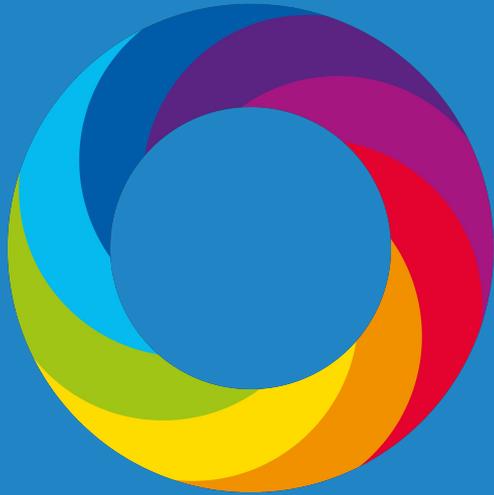
FigShare altmetric.figshare.com



SoundCloud soundcloud.com/altmetric



iTunes Search for 'Altmetric podcast'



Questions?

support@altmetric.com

The Altmetric Donut and Attention Score in context



What does the donut represent?



Mention type	Weight Points
News	8
Blogs	5
Twitter	1
Facebook	0.25
Sina Weibo	1
Wikipedia	3
Policy Documents (per source)	3
Patents	3
Q&A	0.25
F1000/ Publons/ Pubpeer	1
YouTube	0.25
Reddit/Pinterest	0.25
LinkedIn	0.5





Altmetric Attention Score

Putting the score in context

But how do I
use the
score?





Altmetric Attention Score

Putting the score in context

Avoid listing standalone Altmetric Attention Scores in grant applications and on CVs.

Consider adding additional context about what the scores indicate.

But how do I use the score?

