

Η Ευκαιρία της Ανοικτής Επιστήμης

Η εμφάνιση της Ανοικτής Επιστήμης

Απαιτεί μια κίνηση από το "δημοσιεύοντας όσο το δυνατόν πιο γρήγορα" στο "μοιράζοντας τη γνώση όσο το δυνατόν νωρίτερα"

Ο ρόλος των μετρικών στην υποστήριξη της Ανοικτής Επιστήμης

- 1) Παρακολούθηση της εξέλιξης του επιστημονικού συστήματος προς την ανοικτότητα σε όλα τα επίπεδα
- 2) Μέτρηση της απόδοσης, ώστε να ανταμείβονται βελτιωμένοι τρόποι εργασίας σε συλλογικό και ατομικό επίπεδο





Η Ευκαιρία της Ανοικτής Επιστήμης

Οι προσπάθειες για την αντιμετώπιση αυτών των ζητημάτων περιλαμβάνουν

- Τη Διακήρυξη του Σαν Φρανσίσκο για την Αποτίμηση της Έρευνας (DORA, 2012)
- Το Μανιφέστο του Leiden (2015)
- Το κίνημα Επιστήμη σε Μετάβαση (2013)
- Τη Μετρική Παλίρροια (2015)
- Δημιουργία Ομάδας Εμπειρογνωμόνων της Ευρωπαϊκής Επιτροπής στις Εναλλακτικές Μετρικές (European Commission's Expert Group on Altmetrics, 2016)
- Δημιουργία Ομάδας για την Πολιτική Ανοικτής Επιστήμης (Open Science Policy Platform)

Το 2016 το **EU Competitiveness Council** δημοσίευσε ένα σύνολο αποτελεσμάτων για τη μετάβαση



Βιβλιομετρικές και Μετρικές Χρήσης

- ✔ Βασικοί τύποι μετρικών: ο αριθμός των δημοσιεύσεων και ο αριθμός των αναφορών που λαμβάνει η δημοσίευση
 - Δείκτης απήχησης περιοδικών (Journal Impact Factor JIF)
 - Δείκτης επιστημονικής ποιότητας h (h-index)
 - Δείκτης αναφορών κανονικοποιημένος βάσει επιστημονικού πεδίου (field normalized citation indicator)
 - Βαθμολογία Eigenfactor
 - Επιστημονική κατάταξη περιοδικών SJR
 - Δείκτης CiteScore
 - Συνεργασίες βασιζόμενοι στη συν-συγγραφή (co-authorship)
 - Κατάταξη Leiden
 - Μετρικές χρήσης (usage metrics)

Αυτοί οι δείκτες όταν χρησιμοποιούνται υπεύθυνα, είναι τα καλύτερα ποσοτικά μέτρα διαθέσιμα να αποτιμήσουν την επιστημονική επιρροή, κυρίως των δημοσιεύσεων σε περιοδικά διαθέσιμα προς το παρόν



Εναλλακτικές Μετρικές

☐ Altmetrics: A manifesto (Priem, Taraborelli, Groth & Neylon, 2010) "Altmetrics expand our view of what impact looks like, but also of what's making the impact. This matters because expressions of scholarship are becoming more diverse" □ Οι εναλλακτικές μετρικές **βασίζονται κυρίως στις εφαρμογές κοινωνικών μέσων** □ Διαφορετικά είδη μετρήσιμης σήμανσης Τρεις κύριοι σωρευτές εναλλακτικών μετρικών (altmetrics aggregators): Altmetric.com, ImpactStory, PLUMx □ Αποθετήρια (Datacite, Zenodo, GitHub, FigShare) προσφέρουν DOI των δεδομένων που έχουν το οποίο επιτρέπει την αναφορά των πηγών δεδομένων και την μεταφορτωθεί,

παρακολούθηση της χρήσης (track usage)



Εναλλακτικές Μετρικές

✔ Πιθανά δυνατά σημεία

Ευρύτητα

Διαφορετικότητα

Πολλαπλές μετρήσεις

Ταχύτητα

Ενδοιασμοί και περιορισμοί

Απελευθέρωση

Αποδοχή

Ανταγωνισμός

Οι εναλλακτικές μετρικές και η ομότιμη κρίση θα πρέπει να αντιμετωπίζονται ως συμπληρωματικά εργαλεία αξιολόγησης

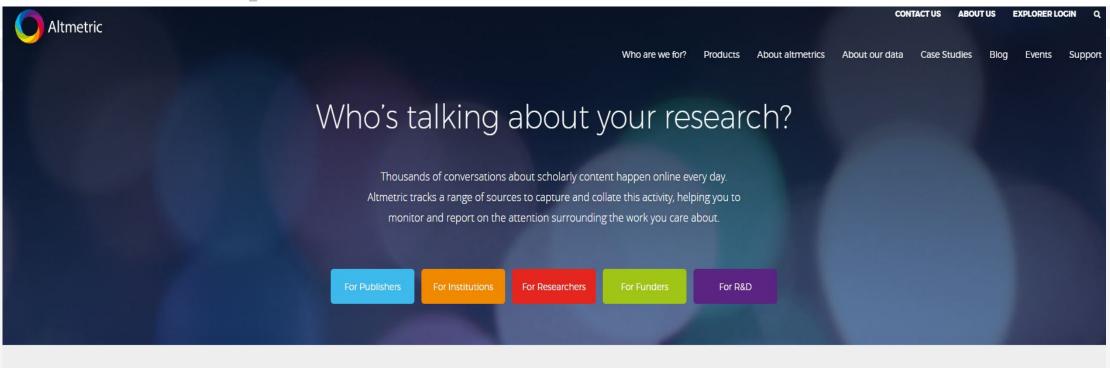
Δεν μετράνε όλα όσα μετριούνται, όσα μετράνε μπορεί να μη μπορούν να μετρηθούν





Altmetric

https://www.altmetric.com/







WILEY

Πηγές Προσοχής (Sources of Attention)

- ✔ Δημόσια έγγραφα πολιτικής
- ✔ Κυρίαρχα μέσα ενημέρωσης
- Online προγράμματαδιαχείρισης αναφορών(Mendeley)
- Πλατφόρμες αξιολόγησης μετά τη δημοσίευση (Pubpeer, Publons)
- ✓ Wikipedia
- ✔ Open Syllabus Project

- ✓ Πατέντες
- ✔ Blogs
- Citations



- Μέσα Κοινωνικής Δικτύωσης (Facebook,
 Twitter, LinkedIn, Google+, Sin Weibo, Pinterest)
- Πολυμέσα και άλλες ηλεκτρονικές πλατφόρμες (Youtube, Reddit, Q&A)





Πώς λειτουργεί;

An *output* (journal article, dataset, etc)

An *identifier* attached to the output (DOI, RePEc, etc)

Mentions in a **source we track**

- PubMedID
- arXiv ID
- ADS ID
- SSRN ID
- RePEC ID
- Handle.net identifiers
- URN identifiers
- ISBNs
- DOIs



Donut

The Colors of the Donut

- Policy documents
- News
- Blogs
- Twitter
- Post-publication peer-reviews
- Facebook
- Sina Weibo
- Syllabi
- Wikipedia

- Google+
- LinkedIn
- Reddit
- Research highlight platform
 - Q&A (Stack Overflow)
- Youtube
- Pinterest
- Patents



Attention Score

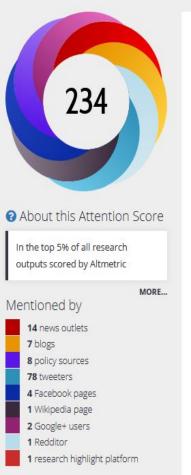
| Volume | Sources | Authors |
|--|--|--|
| The score for an article rises as more people mention it. We only count 1 mention from each person per source, so if you tweet about the same paper more than once, A Itmetric will ignore everything but the first. | Each category of mention contributes a different base amount to the final score. For example, a newspaper article contributes more than a blog post which contributes more than a tweet. | We look at how often the author of each mention talks about scholarly articles, at whether or not there's any bias towards a particular journal or publisher and at who the audience is. For example, a doctor sharing a link with other doctors counts for far more than a journal account pushing the same link out automatically. |

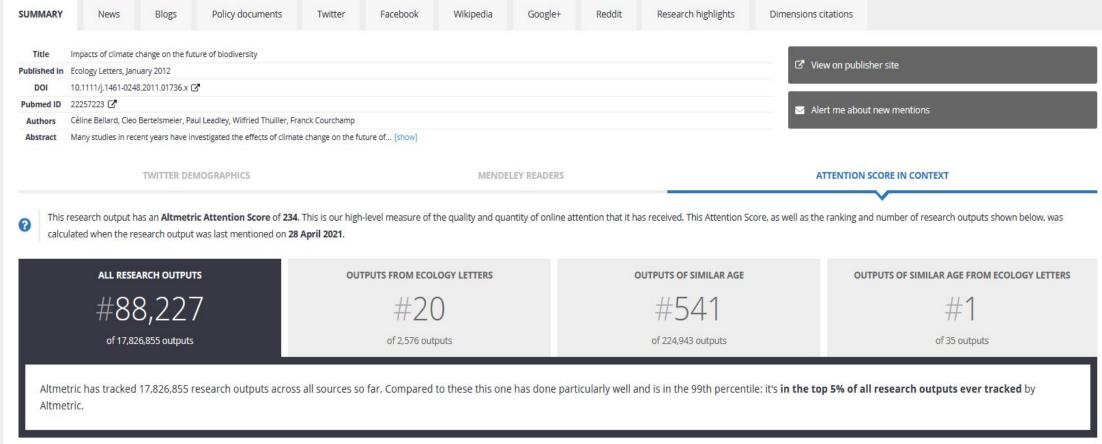


Η Σελίδα Λεπτομερειών Altmetric

Impacts of climate change on the future of biodiversity

Overview of attention for article published in Ecology Letters, January 2012





Citations

1792 Dimensions

Readers on

4840 Mendeley

7 CiteULike

Impacts of climate change on the future of biodiversity

Overview of attention for article published in Ecology Letters, January 2012



About this Attention Score

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

MORE...

Mentioned by

- 14 news outlets
- 7 blogs
- 8 policy sources
- 78 tweeters
- 4 Facebook pages
- 1 Wikipedia page
- 2 Google+ users
- 1 Redditor
- 1 research highlight platform

Citations

1792 Dimensions

Readers on

4840 Mendeley

7 CiteULike

SUMMARY

/S

Policy documents

Twitter

Facebook

Wikipedia

Google+

Reddit

Research highlights

Dimensions citations



So far, Altmetric has seen 12 policy documents that reference this research output.



Climate-Induced Spatio-Temporal Shifts in Natural and Agro-ecosystems in the Middle East and North Africa Region : A Synthesis Report

Cited by World Bank on 30 Mar 2021

Blogs

The World Bank is a United Nations international financial institution that provides loans to developing countries for capital programs. The World Bank is a component of the World Bank Group, and a member of the United Nations Development Group. The World Bank's mission is to end extreme poverty within a generation and boost shared prosperity.



Study on adaptation modelling

Cited by The Publications Office of the European Union on 23 Feb 2021

The Publications Office of the European Union (Publications Office), based in Luxembourg, is an interinstitutional office whose task is to publish the publications of the institutions of the European Union.



State of knowledge of soil biodiversity - Status, challenges and potentialities

Cited by Food and Agriculture Organization of the United Nations on 01 Dec 2020

The Food and Agriculture Organization (FAO) of the United Nations is an intergovernmental organization whose mission is to achieve food security, ensuring that people have regular access to enough high-quality food to lead active, healthy lives.



Mapping and assessment of ecosystems and their services

Cited by The Publications Office of the European Union on 15 Oct 2020

The Publications Office of the European Union (Publications Office), based in Luxembourg, is an interinstitutional office whose task is to publish the publications of the institutions of the European Union.



The IPBES assessment report on land degradation and restoration

Cited by Analysis & Policy Observatory (APO) on 28 Jan 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.



Future of the sea: the future of marine biodiversity

Cited by UK Government (GOV.UK) on 30 Nov 2017

GOV.UK is a central website that covers all UK government departments, as well as many other agencies and public bodies. All policy papers and research publications by the UK government are listed on GOV.UK.



Standards and Biodiversity

Cited by The International Institute for Sustainable Development on 01 Jun 2017

The International Institute for Sustainable Development (IISD) is non-profit organisation that provides practical solutions to the challenge of integrating environmental and social priorities with economic development. The IISD's mission is to promote human development and environmental sustainability through innovative research, communication, and partnerships.



Standards and Biodiversity

Cited by The International Institute for Sustainable Development on 01 Jun 2017

The International Institute for Sustainable Development (IISD) is non-profit organisation that provides practical solutions to the challenge of integrating environmental and social priorities with economic development. The IISD's mission is to promote human development and environmental sustainability through innovative research, communication, and partnerships.

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DeepForest: A Python package for RGB deep learning tree crown delineation

2020 Methods in Ecology and Evolution

5 5 0

Automated data-intensive forecasting of plant phenology throughout the United States

2020 Ecological Applications

A simulation study of the use of temporal occupancy for identifying core and transient species 2020

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5 ONLINE MENTIONS OVER 1 YEARS

- Machine Learning Virtual Issue 6 months ago by Methods.Blog
 - DeepForest: A Python package for RGB deep learning tree crown delineation
- December Issue Out Now!

 6 months ago by Methods.Blog
 - DeepForest: A Python package for RGB deep learning tree crown delineation
- 10th Anniversary Volume 6: Editor's Choice 7 months ago by Methods.Blog
 - DeepForest: A Python package for RGB deep learning tree crown delineation
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DeepForest: A Python package for RGB deep learning tree crown delineation

2020 Methods in Ecology and Evolution

5 DQ

Automated data-intensive forecasting of plant phenology throughout the United States

2020 Ecological Applications

A simulation study of the use of temporal occupancy for identifying core and transient species 2020

✓ Influence of climate forecasts, data assimilation, and uncertainty propagation on the performance of near-term phenology forecasts 2020

Disentangling the roles of inter and intraspecific variation on leaf trait distributions across the eastern United States 2021 Filter by genre

articles (3)

preprints (3)

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[full text]

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BKI

Plumx Metrics https://plumanalytics.com/



Tell the Story. PlumX Metrics help answer the questions and tell the stories about research.



Citations – This is a category that contains both traditional citation indexes such as Scopus, as well as citations that help indicate societal impact such as Clinical or Policy Citations.

Examples: citation indexes, patent citations, clinical citations, policy citations

Learn more



Usage – A way to signal if anyone is reading the articles or otherwise using the research. Usage is the number one statistic researchers want to know after citations.

Examples: clicks, downloads, views, library holdings, video plays

Learn more



Captures – Indicates that someone wants to come back to the work. Captures can be an leading indicator of future citations.

Examples: bookmarks, code forks, favorites, readers, watchers

Learn more



Mentions – Measurement of activities such as news articles or blog posts about research. Mentions is a way to tell that people are truly engaging with the research.

Examples: blog posts, comments, reviews, Wikipedia references, news media Learn more



Social media -This category includes the tweets, Facebook likes, etc. that reference the research. Social Media can help measure "buzz" and attention. Social media can also be a good measure of how well a particular piece of research has been promoted.

Examples: shares, likes, comments, tweets

Learn more





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About Artifacts

Research Output (aka Artifacts)

Working in conjunction with our customers, we have defined 67 different types of artifacts that we gather metrics about, including:

- abstracts
- articles
- audio files
- bibliographies
- blogs
- blog posts
- books
- book chapters
- brochures/pamphlets
- cases
- catalogues
- clinical trials
- code/software
- collections
- commentaries
- conference papers
- corrections

- data sets
- designs/architectural plans
- editorials
- exhibitions/events
- expert opinions
- file sets
- figures
- government documents
- grants
- guidelines
- images
- interviews
- issues
- journals
- learning objects
- lectures/presentations

- letters
- live performances
- manuscripts
- maps
- media files
- musical scores
- newsletters
- news
- online courses
- papers
- patents
- policy
- posters
- preprints
- press releases
- projects

- recorded works
- reference entries/works
- reports
- research proposals
- reviews
- retractions
- speeches
- standards
- syllabi
- technical documentation
- textual works
- theses/dissertations
- videos
- visual arts
- volumes
- web pages
- web resources
- other



Feedback

Feeling Good About Giving: The Benefits (and Costs) of Self-Interested Charitable Behavior

Harvard Business School Marketing Unit Working Paper No. 10-012

23 Pages • Posted: 10 Aug 2009

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University of British Columbia

Michael I. Norton

Harvard Business School - Marketing Unit

Elizabeth W. Dunn

University of British Columbia - Department of Psychology

Date Written: August 6, 2009

Abstract

While lay intuitions and pop psychology suggest that helping others leads to higher levels of existing evidence only weakly supports this causal claim: Research in psychology, economic neuroscience exploring the benefits of charitable giving has been largely correlational, leaviquestion of whether giving causes greater happiness. In this chapter, we have two primary a review the evidence linking charitable behavior and happiness. We present research from a (adults, children and primates) and methods (correlational and experimental) demonstrating people give more, that giving indeed causes increased happiness, and that these two relatio operate in a circular fashion. Second, we consider whether advertising these benefits of cha asking people to give in order to be happy - may have the perverse consequence of decreas giving, crowding out intrinsic motivations to give by corrupting a purely social act with ecor considerations.

Suggested Citation:

Anik, Lalin and Aknin, Lara B. and Norton, Michael I. and Dunn, Elizabeth W., Feeling G About Giving: The Benefits (and Costs) of Self-Interested Charitable Behavior (August 6, Harvard Business School Marketing Unit Working Paper No. 10-012, Available at SSRN: https://ssrn.com/abstract=1444831 or http://dx.doi.org/10.2139/ssrn.1444831

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Citations Citation Indexes: 23

Usage

Clicks: 8

Abstract Views: 38905 Downloads: 17214

Captures

Readers: 223 Exports-Saves: 4

Social Media

Shares, Likes & Comments: 14

Tweets: 1

see details



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Captures | Social Media

Metric Options:
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Feeling Good About Giving: The Benefits (and Costs) of Self-Interested

Publication Year: 2009

Citation Data: SSRN Electronic Journal

Charitable Behavior

| A | Home |
|----|------------|
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| 74 | Highlights |
| > | Twitter |





Article Description

know >

While lay intuitions and pop psychology suggest that helping others leads to higher levels of happiness, the existing evidence only weakly supports this causal claim: Research in psychology, economics, and neuroscience exploring the benefits of charitable giving has been largely correlational, leaving open the question of whether giving causes greater happiness. In this chapter, we have two primary aims. First, we review the evidence linking charitable behavior and happiness. We present research from a variety of samples (adults, children and primates) and methods (correlational and experimental) demonstrating that happier people give more, that giving indeed causes increased happiness, and that these two relationships may operate in a circular fashion. consider whether advertising these benefits of charitable givin

Citations



Have ideas for a new metric? Would you like to see something else here? Let us





Χαρά Ράμμα

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http://law.lib.uoa.gr/

Πηγές

• Wilsdon, J., Bar-Ilan, J., Frodeman, R., Lex, E., Peters, I. and Wouters, P. (2017). Next-generation metrics: Responsible metrics and evaluation for open science. Report of the European Commission Expert Group on Altmetrics. European Commission. https://op.europa.eu/en/publication-detail/-/publication/b858d952-0a19-11e7-8a35-01aa75ed71a1

J. Priem, D. Taraborelli, P. Groth, C. Neylon (2010), <u>Altmetrics: A manifesto</u>, 26 October 2010. http://altmetrics.org/manifesto

• Altmetric <u>https://www.altmetric.com/</u>

Impactstory https://profiles.impactstory.org/

• Plum Analytics <u>https://plumanalytics.com/</u>

