Altmetrics

Euan Adie, Founder

Altmetric.com

How can publishers help authors to measure “success”?

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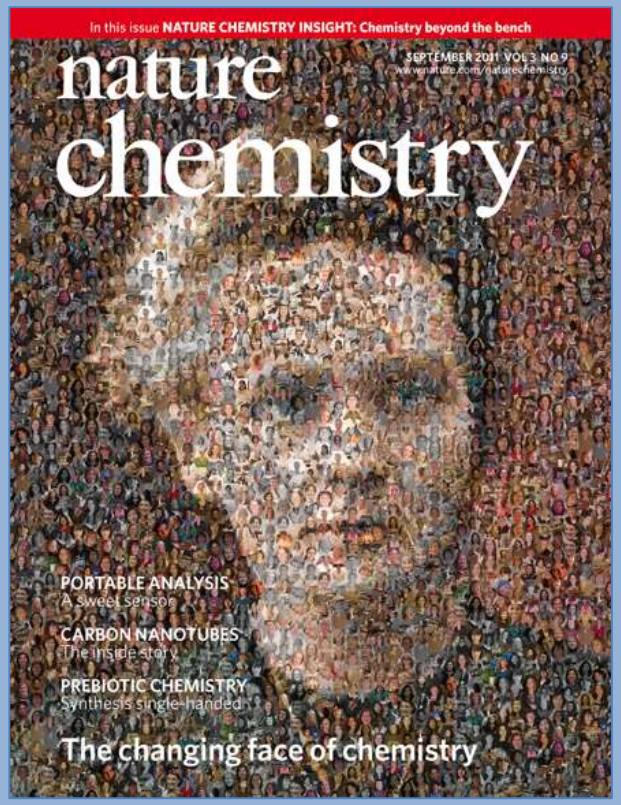
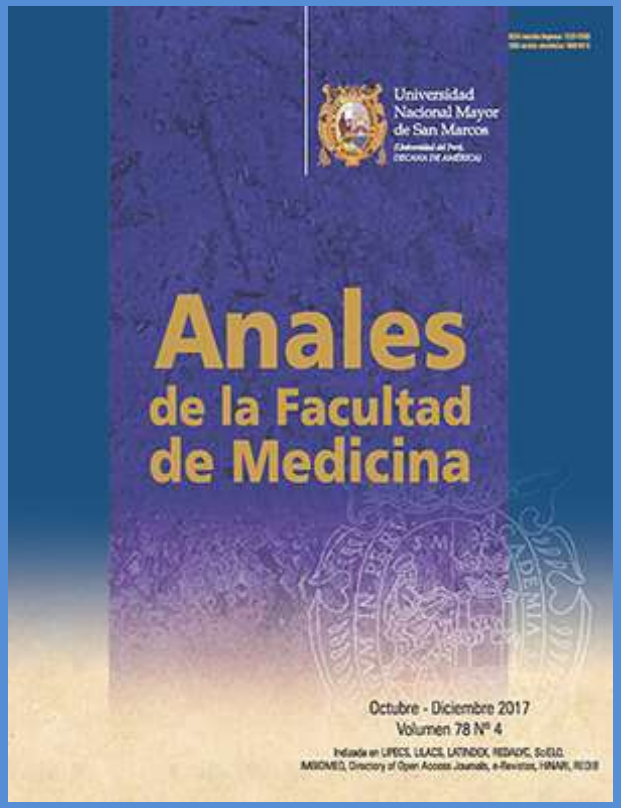
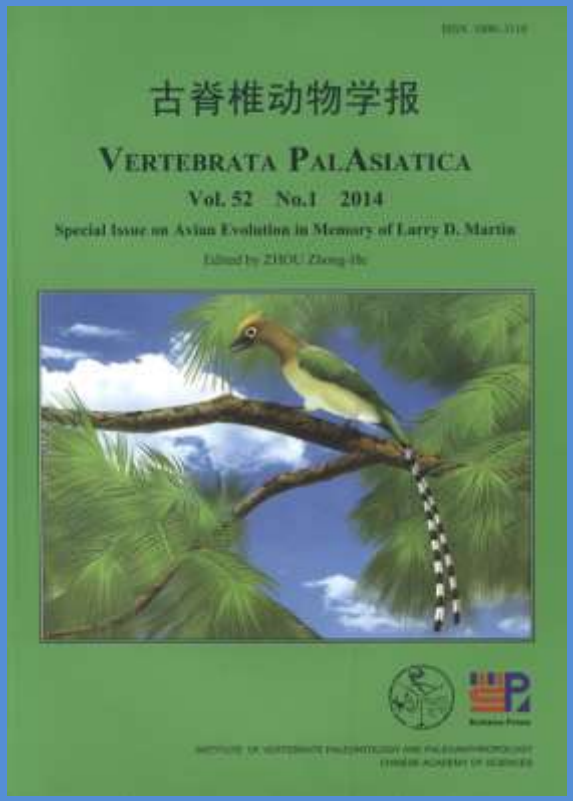
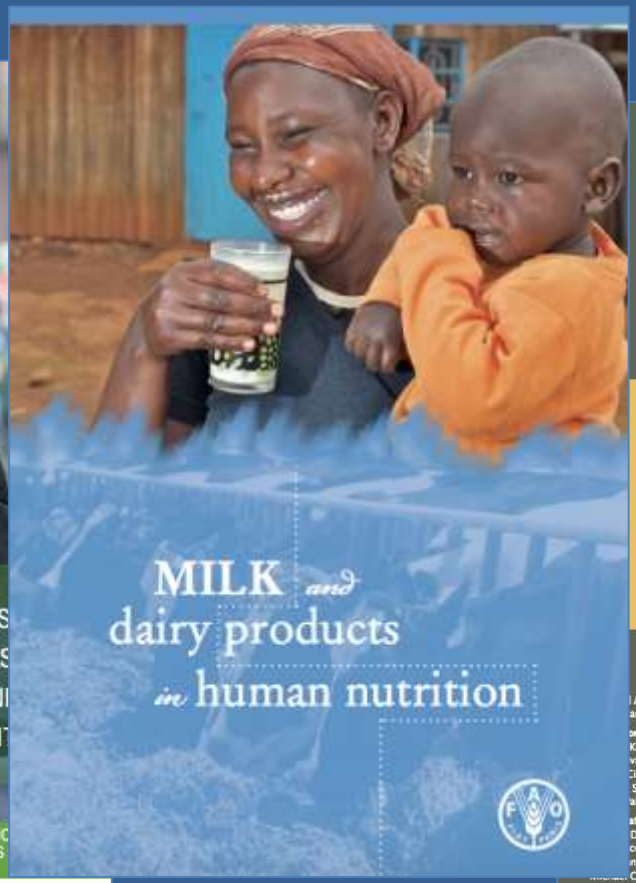


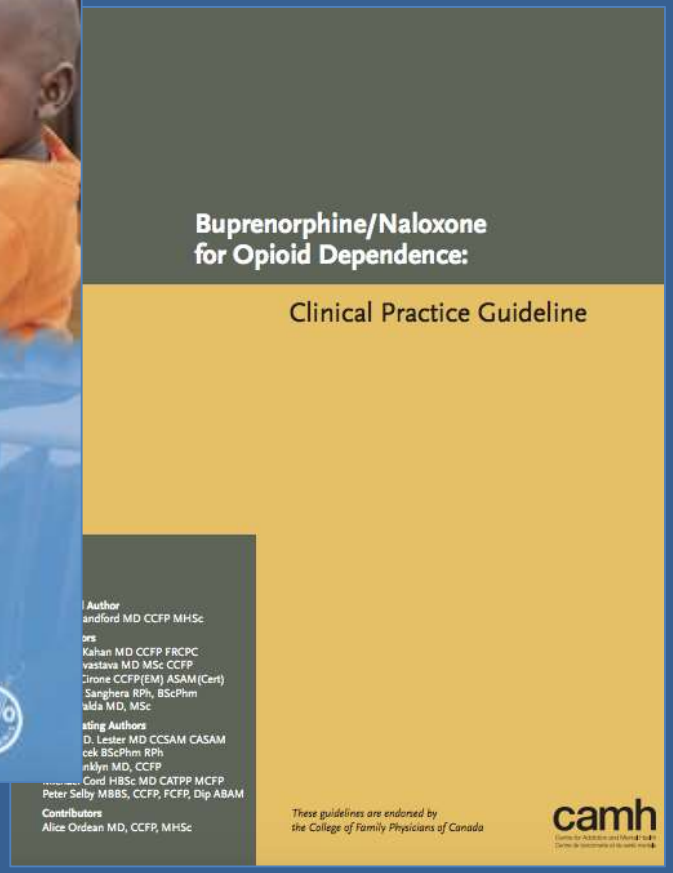
… and are getting better at picking up these





Not so much here





Or here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Quantifying the consensus on anthropogenic global warming in the scientific literature
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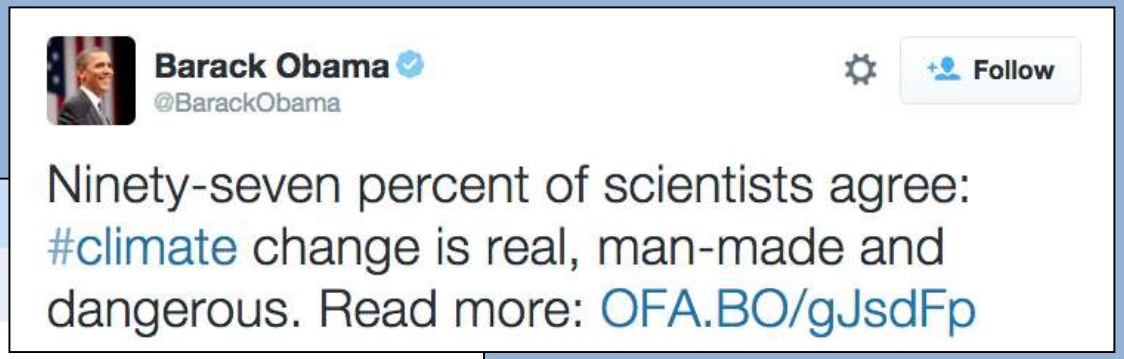
Robert Way[7], Peter Jacobs[8] and Andrew Skuce[2,9]
Published 15 May 2013 • 2013 IOP Publishing Ltd • Environmental Research Lett
Article PDF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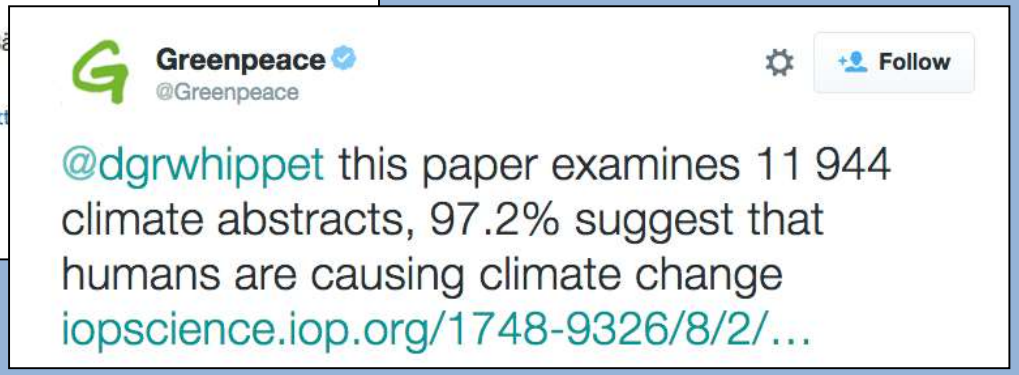
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Part 3 Section 3: Impact template and case studies (REF3a/b)

Definition of impact for the REF

140. For the purposes of the REF, impact is defined as an effect on, change or benefit to the economy, society, culture, public policy or services, health, the environment or quality of life, beyond academia (as set out in paragraph 143).

141. Impact **includes**, but is not limited to, an effect on, change or benefit to:

- the activity, attitude
  capacity, opportuni
  practice, process or
- of an audience, bene
  constituency, organ
- in any geographic l
  regionally, national

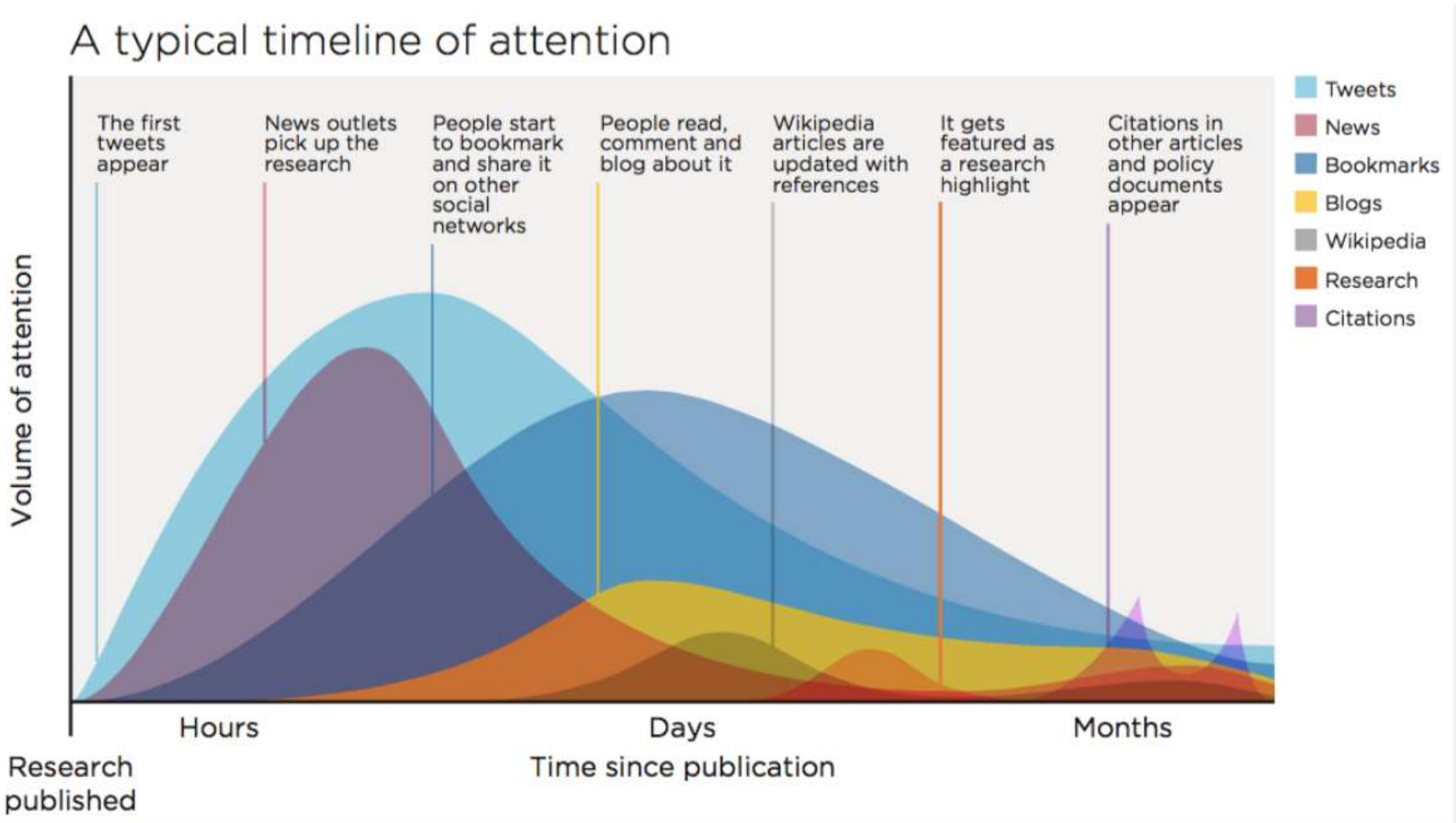
142. Impact **includes** the
harm, risk, cost or other negative effects.

2 Relevance to society

The committee assesses the quality, scale and relevance of contributions targeting specific economic, social or cultural target groups, of advisory reports for policy, of contributions to public debates, and so on. The point is to assess contributions in areas that the research unit has itself designated as target areas.

When evaluating NSF proposals, reviewers will be asked to consider what the proposers want to do, why they want to do it, how they plan to do it, how they will know if they succeed, and what benefits could accrue if the project is successful. These issues apply both to the technical aspects of the proposal and the way in which the project may make broader contributions. To that end, reviewers will be asked to evaluate all proposals against two criteria:

- **Intellectual Merit**: The Intellectual Merit criterion encompasses the potential to advance knowledge; and
- **Broader Impacts**: The Broader Impacts criterion encompasses the potential to benefit society and contribute to the achievement of specific, desired societal outcomes.


A typical timeline of attention
The first tweets appear
News outlets pick up the research
People start to bookmark and share it on other social networks
People read, comment and blog about it
Wikipedia articles are updated with references
It gets featured as a research highlight
Citations in other articles and policy documents appear
Tweets
News
Bookmarks
Blogs
Wikipedia
Research
Citations
Volume of attention
Hours
Days
Months
Research published
Time since publication

Altmetrics put simply

- Research gets viewed and used in lots of different ways
- Altmetrics try to capture all that activity and make it useful to authors, readers and publishers
- Complements, does not replace citation counts
- The activity may reflect attention, quality, impact…

17:52, 21 апреля 2018

Ученые разработали технологию выявления рака на ранней стадии

Фото: Кирилл Каллиников / РИА Новости

Ученые из Базельского университета и Швейцарской высшей технической школы Цюриха создали биомедицинскую татуировку, которая способна диагностировать некоторые виды рака на ранних стадиях. Исследование опубликовано в журнале Science Translational Medicine.

Сенсор на коже выявляет в организме человека гиперкальциемию, которая считается одним из индикаторов наличия онкологии. В случае высокого содержания кальция в крови татуировка под влиянием выработки меланина окрасится в темный цвет, и это будет сигналом о необходимости пройти медицинское обследование.

Методика с выработкой меланина была протестирована на коже свиней, а также на крысах с опухолями в молочной железе и кишечнике, у которых в течение 38 дней наблюдения не было никаких симптомов болезни. Индикатору удалось выявить патологию.

ПОСЛЕДНИЕ НОВОСТИ

12:59 Военные присоединились к протестам в Ереване

14:15 Путин и Макрон обсудили ситуацию в Сирии после ракетного удара

14:11 Канье Уэст «переместился» в будущее и признался в любви Илону Маску

14:08 Рублю отказали в отскоке на досанкционный уровень

14:07 Сын миллиардера стал самым бесполезным хоккеистом сборной России

14:04 Ельцина увековечили в Москве

13:50 Признанный убогим «Адмирал Кузнецов» отправлен на ремонт

13:42 Американец пережил нападения акулы, медведя и змеи

13:41 «Большая семерка» определила курс в отношении России

13:24 Попавший под санкции олигарх насолил Сбербанку

PRO SCIENCE

20 апреля 2018, 14:42 биология насекомые

На Калимантане открыт новый вид муравьев-камикадзе

Research Article
ZooKeys 751: 1-40
https://doi.org/10.3897/zookeys.751.22661

Colobopsis explodens sp. n., model species for studies on "exploding ants" (Hymenoptera, Formicidae), with biological notes and first illustrations of males of the *Colobopsis cylindrica* group

Alice Laciny, Herbert Zettel, Alexey Kopchinskiy, Carina Pretzer, Anna Pal, Kamariah Abu Salim, Mohammad Javad Rahimi, Michaela Hoenigsberger, Linda Lim, Weeyawat Jaitrong, Irina S. Druzhinina

Abstract

A taxonomic description of all castes of *Colobopsis explodens* Laciny & Zettel, sp. n. from Borneo, Thailand, and Malaysia is provided, which serves as a model species for biological studies on "exploding ants" in Southeast Asia. The new species is a member of the *Colobopsis cylindrica* (COCY) group and falls into a species complex that has been repeatedly summarized under the name *Colobopsis saundersi* (Emery, 1889) (formerly *Camponotus saundersi*). The COCY species group is known under its vernacular name "exploding ants" for a unique behaviour: during territorial combat, workers of some species sacrifice themselves by rupturing their gaster and releasing sticky and irritant contents of their hypertrophied mandibular gland reservoirs to kill or repel rivals. This study includes first illustrations and morphometric characterizations of males of the COCY group: *Colobopsis explodens* Laciny & Zettel, sp. n. and *Colobopsis badia* (Smith, 1857). Characters of male genitalia and external morphology are compared with other selected taxa of Camponotini. Preliminary notes on the biology of *C. explodens* Laciny & Zettel, sp. n. are provided. To fix the species identity of the closely related *C. badia*, a lectotype from Singapore is designated. The following taxonomic changes within the *C. saundersi* complex are proposed: *Colobopsis solenobia* (Menozzi, 1926), syn. n. and *Colobopsis trieterica* (Menozzi, 1926), syn. n. are synonymized with *Colobopsis corallina* Roger, 1863, a common endemic species of the Philippines. *Colobopsis saginata* Stitz, 1925, stat. n., hitherto a subspecies of *C. badia*, is raised to species level.

Keywords

autothysis, behavioural ecology, Camponotini, *Colobopsis*, Formicidae, integrative taxonomy, male morphology, molecular biology, morphometry, new species, new status, new synonymy, phylogeny, Southeast Asia, taxonomy

Article title
Abstract
Keywords
Introduction
Materials and methods
- Sampling-sites and imaging of living ants
- Host trees and activity assessment
- DNA Extraction, PCR amplification, and Sanger sequencing
- Phylogenetic analysis
- Morphological methods
- Material examined

Molecular results
Taxonomic results
- Colobopsis explodens
- Colobopsis badia

Discussion
- Molecular results
- Taxonomy
- Morphology of males
- Biology

Acknowledgements
References

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Science is also about opening our eyes to the unknown. 🇦🇹 scientists from @NHM_Wien & @tuvienna have discovered 'Colobopsis explodens' aka exploding ants in Borneo, which during territorial combat sacrifice themselves 💥 Published @ZooKeys_Journal
zookeys.pensoft.net/article/22661/...

2:45 PM - 20 Apr 2018

Alex Wild
@Myrmecos

Curator of Entomology at the University of Texas at Austin.

Austin, Texas
alexanderwild.com
Joined July 2010

Tweet to Alex Wild

Anna Fran
@AFProbert

PhD candidate at the University of Auckland. Ecologist/entomologist. Love ants.

Joined November 2014

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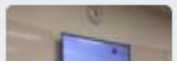
126 Photos and videos



Anna Frances Probert @AFProbert · Apr 21

New species of exploding ant! And what an ant! Beautiful images, check the different castes out

Colobopsis explodens sp. n., model species for stu...
A taxonomic description of all castes of Colobopsis explodens Laciny & Zettel, sp. n. from Borneo, Thailand, and Malaysia is provided, which serves as a model spe...
zookeys.pensoft.net

1

Explodierende Ameisen

AM APRIL 20, 2018 / VON NICKPOL
/ IN EVOLUTION, MEDIEN, WISSENSCHAFTEN

Auf Borneo ist eine neue Ameisenart entdeckt worden. Da es keine Bilder gibt, bedienen wir uns an einem Symbolbild. (imago stock&people)

Auf Borneo haben Wissenschaftler eine neue Ameisenart entdeckt, die zu Verteidigungszwecken explodiert.

Dlf24

Wie ein internationales Forscherteam im Fachjournal ZooKeys schreibt, nehmen die Tiere zwar den eigenen Tod in Kauf, besprühen ihre Feinde aber auch mit einer klebrigen Gift-Flüssigkeit, die die Angreifer tötet

Research Article
ZooKeys 751: 1-40
https://doi.org/10.3897/zookeys.751.22661

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Colobopsis explodens sp. n., model species for studies on "exploding ants" (Hymenoptera, Formicidae), with biological notes and first illustrations of males of the Colobopsis cylindrica group

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Title	Colobopsis explodens sp. n., model species for studies on "exploding ants" (Hymenoptera, Formicidae), with biological notes and first illustrations of males of the Colobopsis cylindrica group
Published in	ZooKeys
DOI	10.3897/zookeys.751.22661
Authors	Alice Laciny, Herbert Zettel, Alexey Kopchinskiy, Carina Pretzer, Anna Pal, Kamariah Abu Salim... [show]

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of 9,723,875 outputs	of 2,901 outputs	of 96,546 outputs	of 26 outputs

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Colobopsis explodens sp. n., model species for studies on "exploding ants" (Hymenoptera, Formicidae), with biological notes and first illustrations of males of the Colobopsis cylindrica group

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This ant explodes into toxic goo when threatened
Newsweek, 23 Apr 2018
A newly described species of ant from Southeast Asia explodes in defense of its colony, spewing out a toxic goo that can slow...

Descubren una especie de hormiga que explota sobre sus depredadores
Muy Interesante, 23 Apr 2018
3 minutos de lectura C uando se trata de defender el nido, las hormigas han desarrollado un montón de formas únicas (y dolorosas...

Scoperte le formiche kamikaze: pronte a morire per salvare la colonia - Galileo
Galileonet, 23 Apr 2018
23 aprile 2018 - - Stampa Il team di ricercatori del Natural History Museum di Vienna ha appena scoperto una nuova specie di...

Kurios: Explodierende „Kamikaze-Ameisen" - wissenschaft.de
wissenschaft.de, 23 Apr 2018
Video: Eine Arbeiterin von Colobopsis explodens (klein) sprengt sich in Gegenwart einer feindlichen Ameise (groß) und klammert...

New Species of 'Exploding Ant' Discovered in Borneo
Gizmodo UK, 22 Apr 2018
When confronted by an enemy, Southeast Asian "exploding ants" do exactly what their name implies: they explode.

Une nouvelle espèce de fourmi kamikaze découverte à Bornéo
Free , 22 Apr 2018

Suicide bomber ant discovered in Borneo
Newshub, 21 Apr 2018
Colobopsis explodens. Photo credit: ZooKeys Scientists in the jungles of

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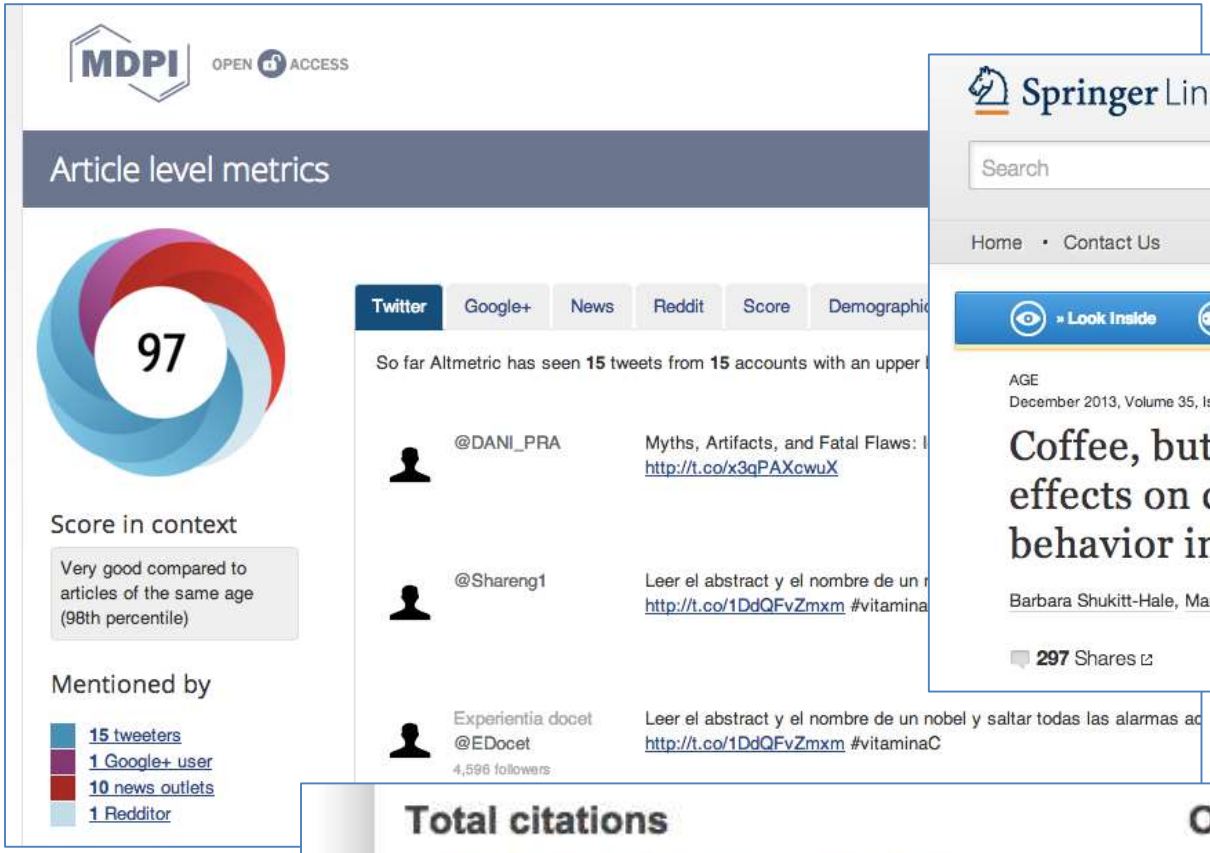

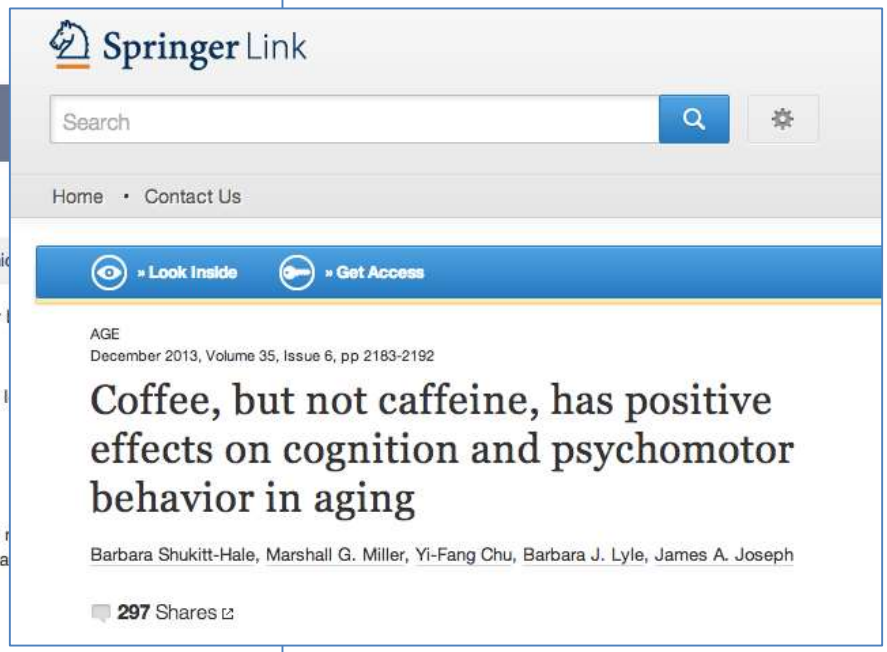

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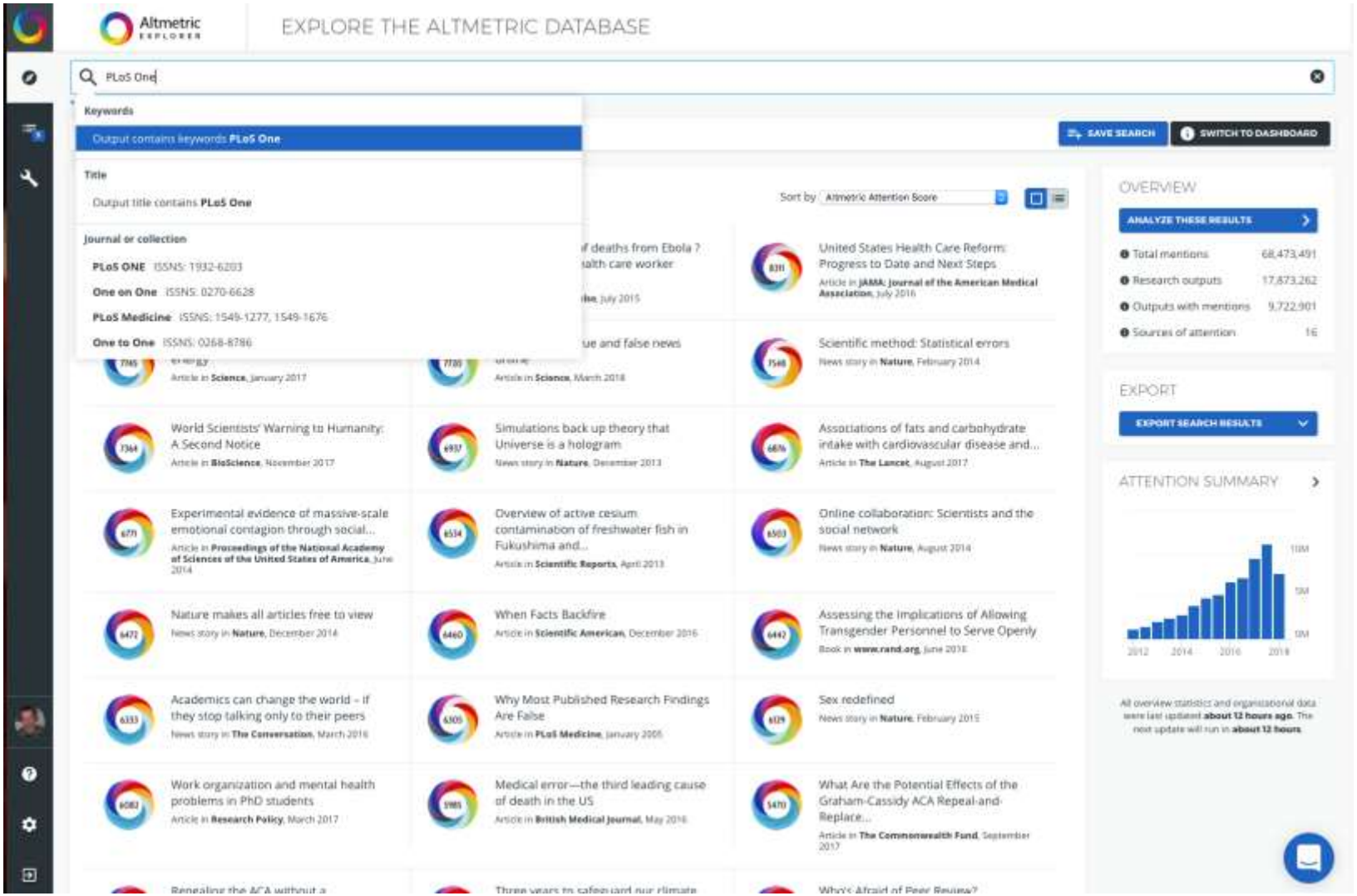

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4% arXiv
538,828 outputs with a total of **2.9 million mentions**

See all journals and collections →

LATEST NEWS HIGHLIGHTS

msn You Do Actually Drop Weight During Your Sleep, and Here's How It Works
Published by **MSN**, 23 April 2018

Cites the following research output:

Meta-Analysis of Short Sleep Duration and Obesity in Children and

ATTENTION BY REGION

SHOW BY REGION | SHOW BY COUNTRY

Results analysis

Analyzing results for **all research outputs** from the **full Altmetric database** sorted by **Altmetric Attention Score** published by **Taylor & F**

SUMMARY | HIGHLIGHTS | DEMOGRAPHICS | MENTIONS | JOURNALS AND COLLECTIONS

Found **3,427** journals and collections in your search results. Export journals/collections data as a CSV spreadsheet.

JOURNAL/COLLECTION (e.g. Physics Letters, arXiv, figshare)	TOTAL MENTIONS	NEWS STORIES	BLOG POSTS	POLICY DOCUMENTS	TWEETS
Journal of Sports Sciences **2,149** mentioned research outputs in your search	**36,900**	489	143	77	34,569
Cell Cycle **1,577** mentioned research outputs in your search	**3,818**	168	97	18	2,727
AIDS Care **1,533** mentioned research outputs in your search	**7,697**	174	95	508	6,581
Disability & Rehabilitation **1,509** mentioned research outputs in your search	**7,245**	52	44	341	6,260
Ethnic and Racial Studies **1,468** mentioned research outputs in your search	**6,957**	129	55	89	6,404
Mitochondrial DNA: The Journal of DNA Mapping, Sequencing & Analysis **1,454** mentioned research outputs in your search	**2,347**	3	4	3	2,149


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Photograph by Bob Krist, Corbis

VISIONS OF EARTH. MAY 2009

Thanks!

Always happy to chat further:

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