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Martin Fenner Technical Lead Article-Level Metrics



PLOS Biology October, 2003



#### **PLOS Medicine** October, 2004



#### PLOS Community Journals June-September, 2005







#### October, 2007





PLOS ONE December, 2006



#### Merkblatt

**Open Access Publizieren** 

 Aus den von der DFG bereitgestellten Mitteln dürfen Publikationsgebühren ausschließlich dann gezahlt werden, wenn sie die Höhe von maximal 2.000,- EUR pro Aufsatz nicht übersteigen.

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## PLOS ONE's Key Innovation – The editorial process

### • Editorial criteria

- Scientifically rigorous
- Ethical
- Properly reported
- Conclusions supported by the data
- Editors and reviewers do **not** ask
  - How important is the work?
  - Which is the relevant audience?
- Use online tools to sort and filter scholarly content after publication, not before



### **PLOS ONE Articles Published per Month**





# PLOS ONE articles by selected subject areas



From 48,439 PLOS ONE articles published until November 8, 2012



- PLOS ONE was the 6th most cited journal in 2011
- 1% of the 2010 top 1% most cited papers were published in PLOS ONE



Are elite journals declining? http://arxiv.org/pdf/1304.6460v1

http://www.scimagojr.com/journalrank.php? area=0&category=0&country=all&year=2011&order=tc&min=0&min\_type=cd



## PLOS ONE is not a second-tier journal

Combined Scopus citation counts for all PLOS Biology and PLOS Medicine articles published in 2009, as well as top 200 PLOS ONE articles in 2009



Citation counts collected November 8, 2012



## **Citation Counts for 2010 PLOS ONE Papers**

Scopus citation counts for all 6,730 PLOS ONE papers published in 2010. Data collected May 20, 2013. Median 5, mean 9.7 citations, 10% of papers have at least 16 citations.

Probability







- the need to eliminate the use of journal-based metrics, such as Journal Impact Factors, in funding, appointment, and promotion considerations;
- the need to assess research on its own merits rather than on the basis of the journal in which the research is published; and
- the need to capitalize on the opportunities provided by online publication (such as relaxing unnecessary limits on the number of words, figures, and references in articles, and exploring new indicators of significance and impact).



66,809,958 HTML pageviews

15,029,850 PDF downloads

379,155 Mendeley bookmarks

223,071 Facebook mentions

176,705 CrossRef citations

31,622 Wikipedia mentions

Article-Level Metrics from November 8, 2012 for 48,439 PLOS ONE Papers



## **PLOS Articles by Authors from Regensburg University**

225 PLOS articles from Regensburg authors. Bubble size correlates with Scopus citations, and color with PLOS journal. Data collected May 20, 2013.

#### **Total Views**







#### **Research Headlines**

in the news

recent most viewed

Memory Color Effect Induced by Familiarity of Brand Logos

Activating and Relaxing Music Entrains the Speed of Beat Synchronized Walking

Skull Ecomorphology of Megaherbivorous Dinosaurs from the Dinosaur Park Formation (Upper Campanian) of Alberta, Canada

Armed Rollers: Does Nestling's Vomit Function as a Defence against Predators?



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Specify Subject areas (12 maximum)
Search
Alanines Specified subject areas
Biology and life sciences
Computer and information sciences
► Earth sciences
Ecology and environmental sciences     Testicular cancer ×
Engineering and technology     Bladder cancer
Genotypes
Medicine and health sciences     Phase III clinical investigation ×
People and places     Clinical trial reporting ×
Physical sciences
Research and analysis methods Save
Science policy
Social sciences





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#### Mendeley

Group Testing Description Mendeley is a reference manager and social bookmarking tool. Documentation Information at ALM Wiki

Most-Cited -

Identifying the World's Most Climate Change Vulnerable Species: A Systematic Trait-Based Assessment of all Birds, Amphibians and Corals

June 12, 2013 - 37 events

Big Science vs. Little Science: How Scientific Impact Scales with Funding

June 19, 2013 - 32 events

Parasites Affect Food Web Structure Primarily through Increased Diversity and Complexity

June 11, 2013 - 29 events

Evolution of Robustness and Cellular Stochasticity of Gene Expression June 11, 2013 - 19 events

Yield Trends Are Insufficient to Double Global Crop Production by 2050 June 19, 2013 - 17 events

A Filtering Method to Generate High Quality Short Reads Using Illumina Paired-End Technology June 17, 2013 - 15 events

Bioinformatics Goes to School – New Avenues for Teaching Contemporary Biology June 13, 2013 - 15 events

Identifying Emotions on the Basis of Neural Activation

June 19, 2013 - 15 events

Mate Choice and the Origin of Menopause June 13, 2013 - 13 events

http://alm.plos.org/sources/mendeley.rss?days=30



Sign Out

# PLOS Article-Level Metrics will add new data source in August





# HowOpenIsIt?

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Author may not deposit any versions to repositories or websites	No automatic posting in third-party repositories	Article full text & metadata not available in machine-readable format	0

Table 3. Olaparib-F	Related Adverse Even	ts Found in at Leas	t 5% of the Safety	Population, Accor	ding to Olaparib D	lose.*	
Adverse Event	<100 mg, Daily or Twice Daily, 2 of Every 3 Wk (N=18)	100 mg, Twice Daily, 2 of Every 3 Wk (N=4)	100 mg, Twice Daily, Continuously (N=5)	200 mg Twice Daily, Continuously (N = 20)	400 mg Twice Daily, Continuously (N=8)	600 mg Twice Daily, Continuously (N = 5)	Total (N = 60)
			number of patie	nts/total number (	percent)		
Anemia							
Grade 1–2	1 (6)	0	0	0	0	1 (20)	2 (3)
Grade 3–4	0	0	0	1 (5)	0	0	1 (2)
Lymphopenia							
Grade 1–2	0	0	0	0	0	0	0
Grade 3-4	0	0	0	2 (10)	1 (12)	0	3 (5)
Diarrhea							
Grade 1–2	0	0	0	2 (10)	1 (12)	0	3 (5)
Grade 3-4	0	0	0	0	0	0	0
Dyspepsia							
Grade 1–2	0	0	0	1 (5)	1 (12)	2 (40)	4 (7)
Grade 3-4	0	0	0	0	0	0	0
Nausea							
Grade 1–2	6 (33)	1 (25)	0	7 (35)	0	3 (60)	17 (28)
Grade 3-4	0	0	0	0	1 (12)	1 (20)	2 (3)
Stomatitis							
Grade 1–2	0	0	0	3 (15)	0	0	3 (5)
Grade 3-4	0	0	0	0	0	0	0
Vomiting							
Grade 1–2	2 (11)	1 (25)	0	5 (25)	0	3 (60)	11 (18)
Grade 3-4	0	0	0	0	1 (12)	0	1 (2)
Anorexia							
Grade 1–2	3 (17)	0	0	2 (10)	0	2 (40)	7 (12)
Grade 3-4	0	0	0	0	0	0	0
Dysgeusia							
Grade 1–2	0	2 (50)	0	2 (10)	1 (12)	3 (60)	8 (13)
Grade 3-4	0	0	0	0	0	0	0
Fatigue							
Grade 1–2	3 (17)	0	1 (20)	4 (20)	5 (62)	4 (80)	17 (28)
Grade 3-4	0	0	0	1 (5)	0	0	1 (2)
Dizziness							
Grade 1–2	0	0	0	1 (5)	0	1 (20)	2 (3)
Grade 3-4	0	0	0	0	1 (12)	0	1 (2)

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Fong et al. Inhibition of poly(ADP-ribose) polymerase in tumors from BRCA mutation carriers. *N Engl J Med* 2009;361:123-34



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Grade 1–2	1 (6)	0	0	0	0	1 (20)	2 (3)
Grade 3–4	0	0	0	1 (5)	0	0	1 (2)
Lymphopenia							
Grade 1–2	0	0	0	0	0	0	0
Grade 3-4	0	0	0	2 (10)	1 (12)	0	3 (5)
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Fong et al. Inhibition of poly(ADP-ribose) polymerase in tumors from BRCA mutation carriers. *N Engl J Med* 2009;361:123-34 *Copyright* © 2013 Massachusetts Medical Society. All rights reserved.



## And that includes your papers

Table 2. Strategies in clinical stage I seminoma and non-seminoma

Tumor size ≥4 cm
Invasion of rete testis
Surveillance (preferred in low risk patients)
One cycle carboplatin AUC 7
Adjuvant paraaortic radiation 20 Gy <sup>b</sup>
Vascular or lymphatic invasion
Surveillance (preferred in low risk patients)
One adjuvant cycle BEP
Two adjuvant cycles BEP
Primary RPLND (rarely indicated) <sup>c</sup>

#### http://dx.doi.org/10.1093/annonc/mds579

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Carraina



5

10

**Author Position** 

15

20

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0.02

http://hack4ac.com/plos-author-contributions/

**PLOS** 

### **Did the first author write the paper?**

527 random PLOS papers published 7/1/09 to 12/31/09. Bubble size correlates with Scopus citations. Blue bubbles mean the first author did not write the paper. Data collected May 20, 2013.

#### **Total Views**



