# Published Research Metrics

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Kevin Chiv

Figure 1. Number of Papers from 1984 to 2013 800 700 600 Number of papers 500 400 300 200 100 Year

## Problem:

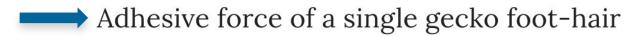
Too many papers

## **Objective:**

Create better metric for measuring impact factor of published research



Letter | Published: 08 June 2000



Kellar Autumn, Yiching A. Liang, S. Tonia Hsieh, Wolfgang Zesch, Wai Pang Chan, Thomas W. Kenny, Ronald Fearing & Robert J. Full ™

*Nature* **405**, 681–685 (2000) | Download Citation **±** 

#### **Abstract**



Letter | Published: 08 June 2000

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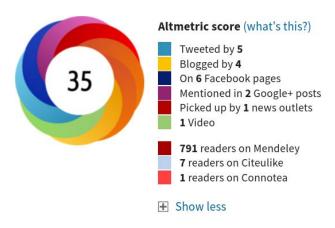
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#### Online attention



#### This Altmetric score means that the article is:

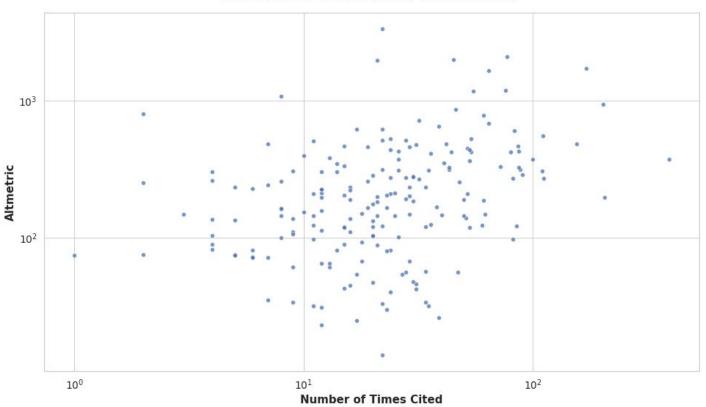
- in the 97<sup>th</sup> percentile (ranked 4,974<sup>th</sup>) of the 207,307 tracked articles of a similar age in all journals
- in the 56<sup>th</sup> percentile (ranked 450<sup>th</sup>) of the 1,029 tracked articles of a similar age in *Nature*

# Dependent: Altmetric

## **Independent:**

Number of citations, number of authors, & more

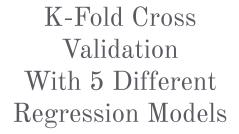
#### **Number of Times Cited vs Altmetric**











Best Linear Regression Model: OLS	
Key Features:	Coefficients:
Number of Times Cited	1.75
Number of Institutions Involved	1.15

# **Number of Authors** 1.09

Number of References		0.99
Number of `	Number of Years Since Published	
Training Mean R^2:	Standard Deviation of Training R^2:	Test R^2:
0.56	.04	0.53

# Recommendations



- Search for relevant top research institutions
- Follow high-profile individuals on Google Scholar
- Consider the date the paper was published

# Thank You!