



# جستجوی منابع الکترونیک و علم سنجی

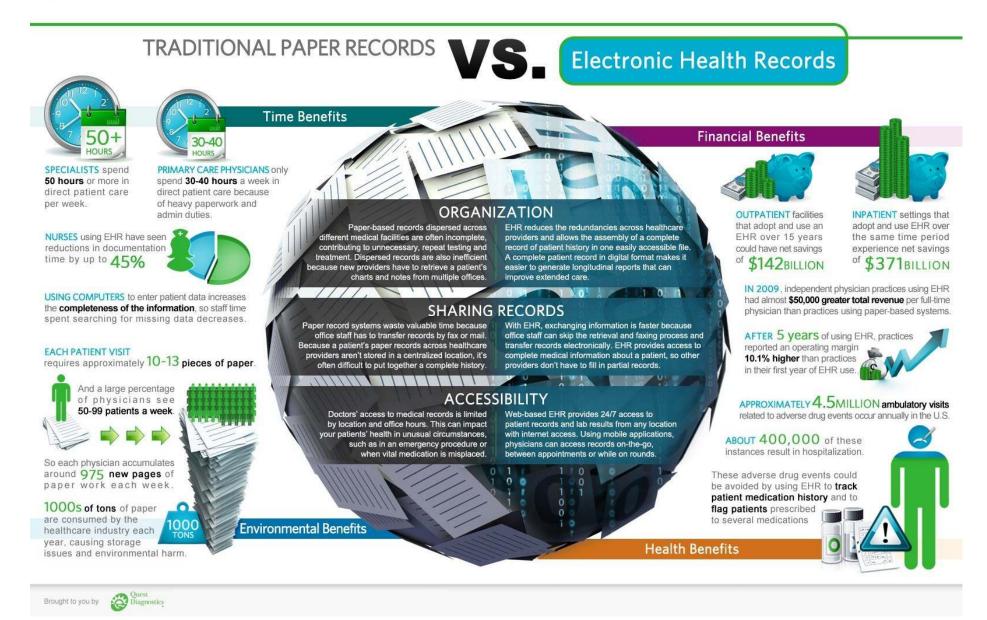
Department of Immunology, Faculty of Medicine, Shahid Beheshti University of Medical Sciences

> smmhashemi@yahoo.com smmhashemi@sbmu.ac.ir













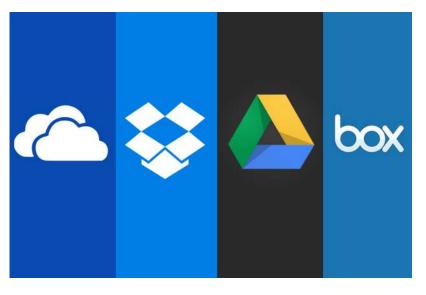














## **TOP FREE MEDICAL APPLICATIONS**

There are numerous free medical apps for iPhones, iPads, and android smartphones which fall into many categories of medical applications. Following are 20 from the medical application website, www.imedicalapps.com, a website started by superstar first year Emergency Medicine resident, Iltifat Husain, MD of Wake Forest University, who plans on a further career in Medical Infomatics.

## Medscape

• Medscape from WebMD (medscape.com) is one of the top downloaded medical apps amongst health professionals. Has the most obscure diseases listed, and super comprehensive. Also, offers free CME's to physicians.

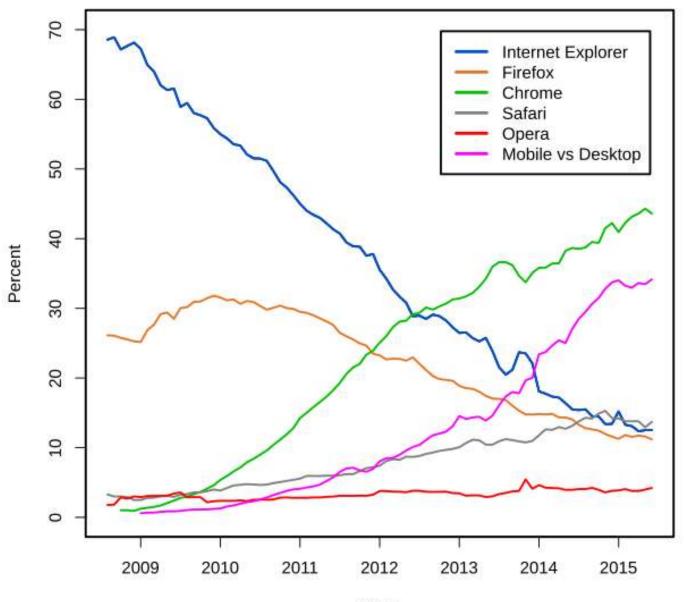
## Micromedex

• "Micromedex is the most reliable, trusted name in evidence-based clinical reference. We lead the industry because of our unmatched editorial process, reliable content, and innovative user-friendly enhancements. And now Micromedex 2.0 has been revamped to make finding evidence-based drug information and clinical answers much faster and easier.

## New England Journal of Medicine

• An App from one of the most trusted, staid journals in Medicine. But, departing from their staid, conservative roots, the NEJM jumped full-force into the digital revolution with a recently unveiled daily feed, called "First Physician's Watch", which is conveniently sent to your email address every morning, with the latest breaking news in the medical world. Next thing you know, the boe ties come off, as do the Oxford loafers, and it's boogie time!er players in a group forum if you are stuck on a tough or rare case.





Year Sourcey StatCounter



The world's most popular search engines are:

Search engine +	Market sh	are in September 2015
Google	67.49%	
Yahoo!	10.77%	
Bing	10.67%	
Baidu	8.13%	
AOL	1.08%	
Ask	0.21%	

#### East Asia and Russia[edit]

East Asian countries and Russia constitute a few places where Google is not the most popular search engine. <u>Yandex</u> commands a marketshare of 61.9 percent in Russia, compared to Google's 28.3 percent.<sup>[21]</sup> In China, Baidu is the most popular search engine.<sup>[22]</sup> South Korea's homegrown search portal, <u>Naver</u>, is used for 70 per cent online searches in the country.<sup>[23]</sup> <u>Yahoo! Japan</u> and <u>Yahoo! Taiwan</u> are the most popular avenues for internet search in Japan and Taiwan, respectively.<sup>[24]</sup>





1 Google

1 - eBizMBA Rank | 1,100,000,000 - Estimated Unique Monthly Visitors | 1 - Compete Rank | 1 -Quantcast Rank | 1 - Alexa Rank | Last Updated: October 1, 2015. The Most Popular Search Engines | eBizMBA



#### 2 | Bing

15 - eBizMBA Rank | 350,000,000 - Estimated Unique Monthly Visitors | 5 - Compete Rank | 19 -Quantcast Rank | 22 - Alexa Rank | Last Updated: October 1, 2015. The Most Popular Search Engines | eBizMBA



#### 3 | Yahoo! Search

18 - eBizMBA Rank | 300,000,000 - Estimated Unique Monthly Visitors | \*8\* - Compete Rank | \*28\* - Quantcast Rank | NA - Alexa Rank | Last Updated: October 1, 2015. The Most Popular Search Engines | eBizMBA



#### 4 Ask

25 - eBizMBA Rank | 245,000,000 - Estimated Unique Monthly Visitors | 14 - Compete Rank | 31 -Quantcast Rank | 31 - Alexa Rank | Last Updated: October 1, 2015. The Most Popular Search Engines | eBizMBA



#### 5 | Aol Search

245 - eBizMBA Rank | 125,000,000 - Estimated Unique Monthly Visitors | \*250\* - Compete Rank | \*240\* - Quantcast Rank | NA - Alexa Rank | Last Updated: October 1, 2015. The Most Popular Search Engines | eBizMBA



#### 6 | Wow

271 - eBizMBA Rank | 100,000,000 - Estimated Unique Monthly Visitors | 20 - Compete Rank | \*26\* - Quantcast Rank | 767 - Alexa Rank | Last Updated: October 1, 2015. The Most Popular Search Engines | eBizMBA



#### 7 | WebCrawler

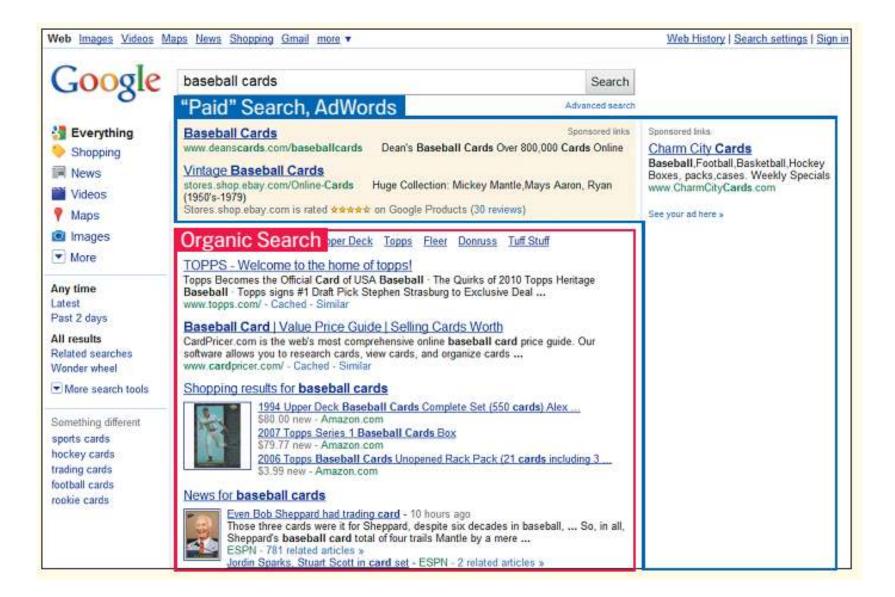
511 - eBizMBA Rank | 65,000,000 - Estimated Unique Monthly Visitors | 100 - Compete Rank | 759 -Quantcast Rank | 674 - Alexa Rank | Last Updated: October 1, 2015. The Most Popular Search Engines | eBizMBA



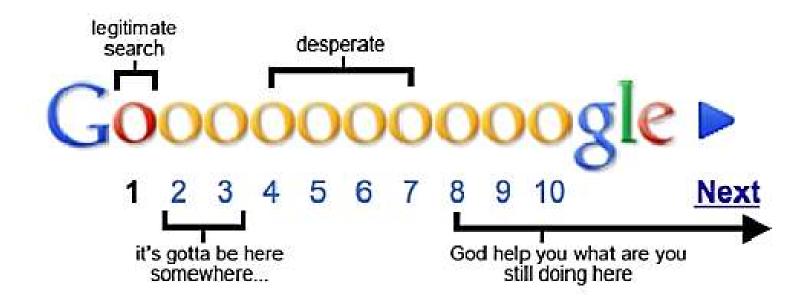
#### 8 MyWebSearch

545 - eBizMBA Rank | 60,000,000 - Estimated Unique Monthly Visitors | \*105\* - Compete Rank | 1,124 - Quantcast Rank | 405 - Alexa Rank | Last Updated: October 1, 2015. The Advant Departure Council Considered Lonies and

























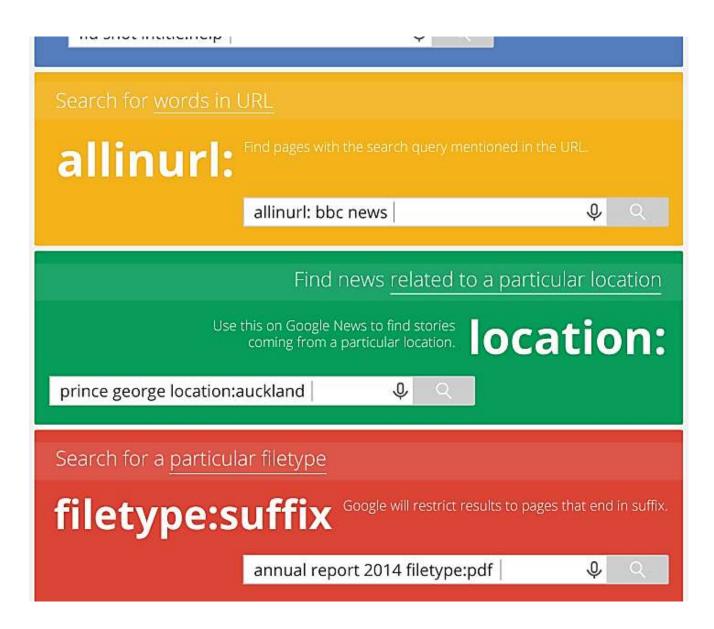


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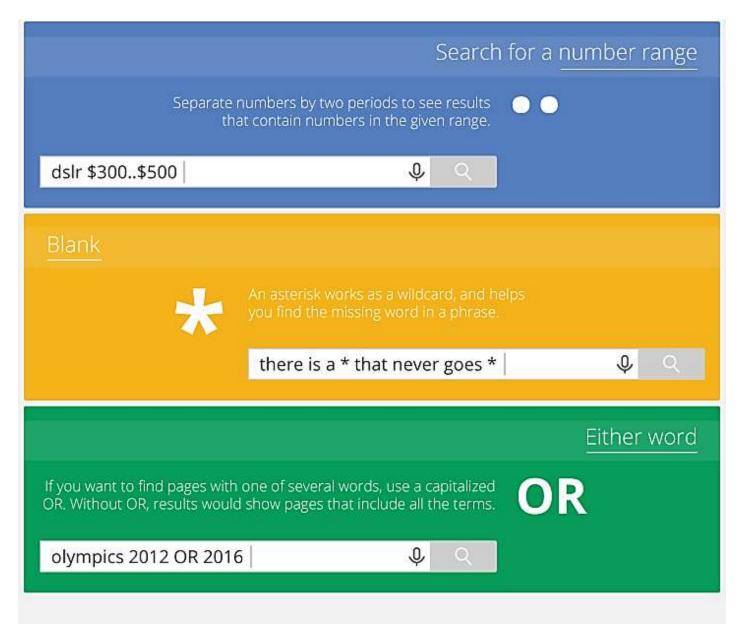
















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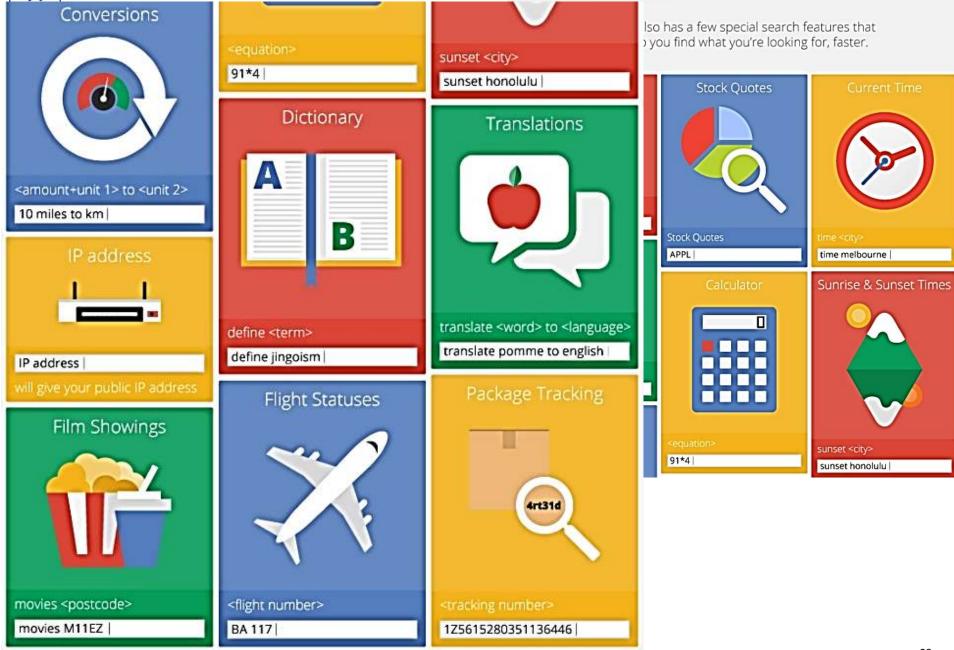
Educate\*

will not find education or educating,

*will not* find synonyms (i.e. scien\* will not find the words botany, biology, or astronomy),



## Google Search Features





And besides using search terms, Google also offers you a host of other ways to search.



## **Google Search Tricks**

A useful app for enhancing your Google searches and getting the most from the search engine.

## Google Images

lets you to search for images related to a particular word or phrase. You can also upload or link to an image to find more about it, or similar images.



## Google Goggles

lets you search the Web using your mobile phone's camera instead of words. Simply take a picture of the item you want to search for, and look at the results.

## **Google Trends**

lets you explore trending search topics on Google and see what other people are searching for.





## **Google Books**

lets you search and preview books from millions of publishers around the world.

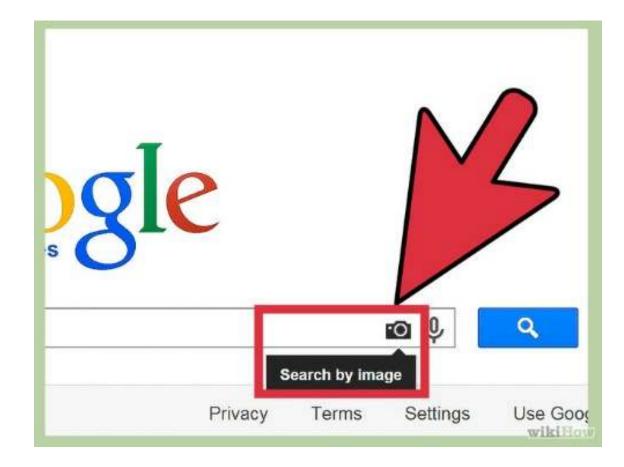
Google Scholar

lets you search for theses, abstracts and articles.



And for those who just want to have a bit of fun, try some of these search terms in Google:



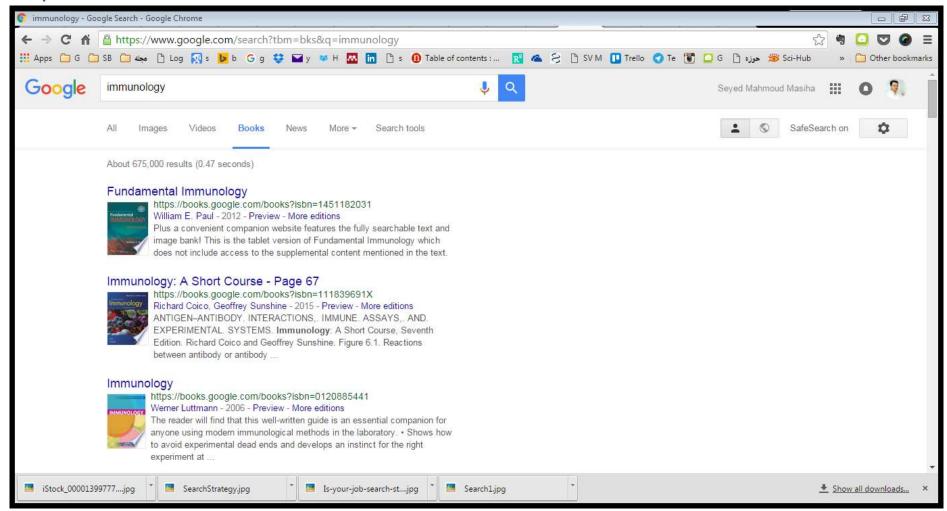




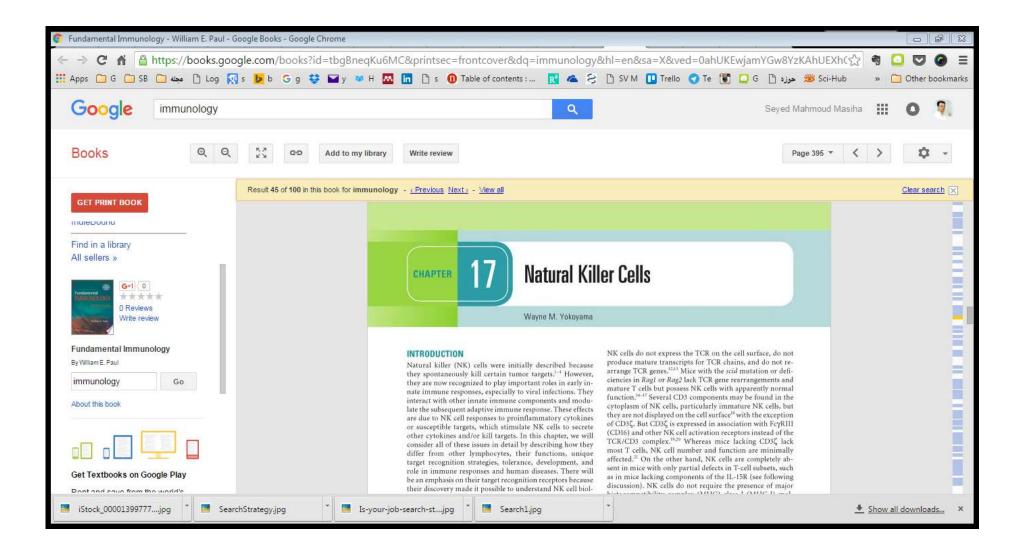
## Here are a few simple yet very helpful search operators to help you Search Google... like a Pro

	"Quotation Marks"	"I love you Mom"
Using quot		ms lets you search exactly for that word. ave your search terms in them.
	- Dashes	dolphins -football
If you wan	t to exclude a term from your s	search include a hyphen before that word
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Use tlide		rms to appear in the result. The above quesses, lessons, coaching etc.
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	Use this operator to search	within a specific website only.
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	Two Periods	movies 19501970

## https://books.google.com/

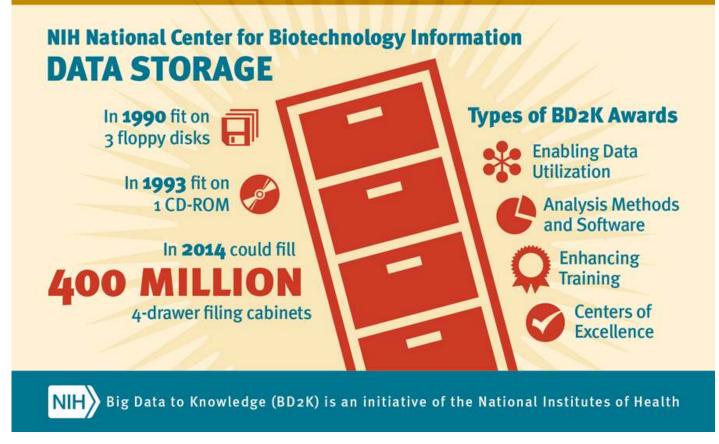








## **BIOMEDICAL BIG DATA EXPLOSION**

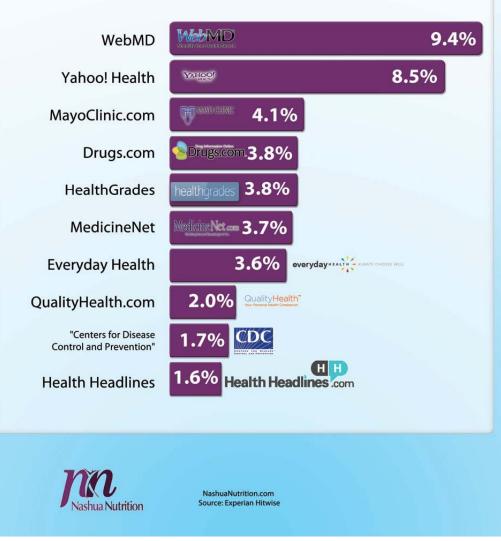


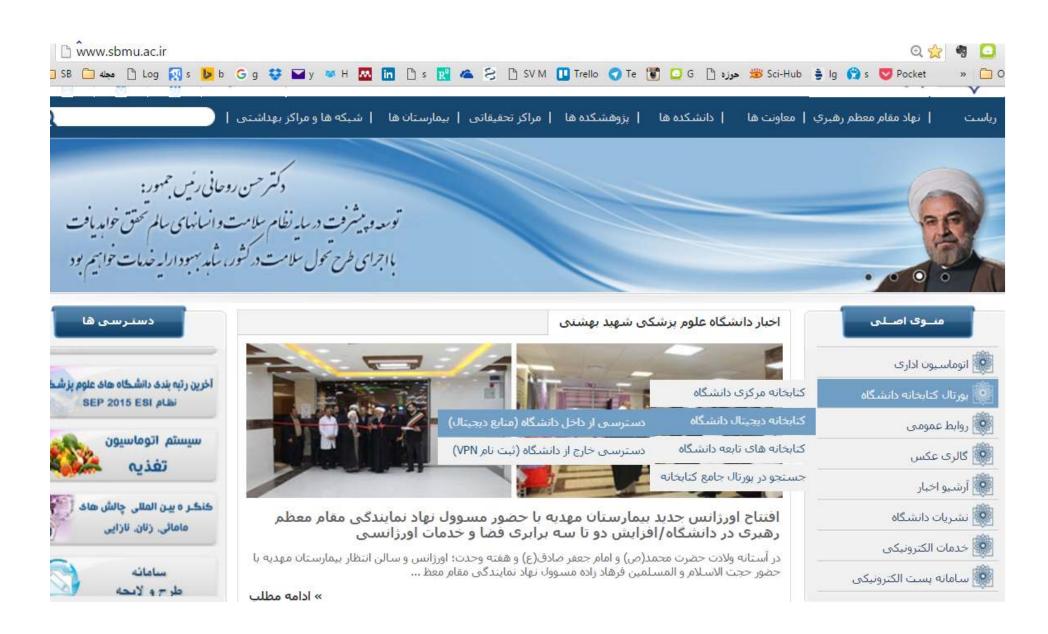
Big Data to Knowledge (BD2K) is an initiative by the National Institutes of Health to fund research, training and development to increase the utility of Big Data in the biomedical research enterprise.

In 1990, when the National Center for Biotechnology Information (NCBI) was just starting out; all of its data could be held on three floppy disks totaling 6.3 megabytes. By 1993, all data could be stored on a single CD-ROM with a 500 MB capacity. Today, the NCBI stores over 20 petabytes of data. This is comparable to 400 million four-drawer filing cabinets filled to capacity.



## TOP 10 VISITED U.S. HEALTH & MEDICAL INFORMATION WEBSITES







یایگاههای اطلاعاتی جامع Comprehensive databases



### نشريات الكترونيكي E-Journal



#### كتب الكترونيكي Ebook



#### پایان نامه های خارجی Dissertations & Theses



#### یزشکی میتنی بر شواه<mark>د EBM</mark>





### SNCBI Resources 🕑 How To 🕑

PubMed

Publed.gov US National Library of Medicine National Institutes of Health





### PubMed

PubMed comprises more than 25 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.

## PubMed Commons



Search

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Featured comment - Oct 28 Checking materials: A Capes-Davis (@Cell\_Detectiv need to address misidentified cell lines in food rese <u>1.usa.gov/1FkqDYv</u>

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PubMed Quick Start Guide	
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PubMed FAQs	
PubMed Tutorials	

PubMed Tools	
PubMed Mobile	
Single Citation Matcher	
Batch Citation Matcher	
<u>Clinical Queries</u>	
Topic-Specific Queries	

More Resources	
MeSH Database	
Journals in NCBI Databases	
<u>Clinical Trials</u>	
E-Utilities (API)	
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#### SNCBI Resources 🛛 How To 🖸 Pub Med.gov diabet 0 PubMed Se US National Library of Medicine National Institutes of Health 2 diabetes diabetes diabetes mellitus Publ type 2 diabetes PubMe 1 diabetes MEDLI type 1 diabetes 28,2 full-text gestational diabetes mal ( diabetes type adult diabetic diabetic retinopathy diabetic nephropathy Using PubMed diabetic foot PubMed Quick Start Guide diabetic macular diabetes type 2 Full Text Articles diabetic neuropathy PubMed FAQs diabetes insipidus PubMed Tutorials diabetic ketoacidosis New and Noteworthy diabetes type 1 2 diabetes mellitus diabetes review Turn off

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a-targeted peptide SS-31 attenuates renal injury via an antioxidant effect in diabetic

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, Wu M, Wei J, Ren Y, Du C, Wu H, Han C, Duan H, Shi Y. Renal Physiol. 2015 Dec 30:ajprenal.00574.2014. doi: 10.1152/ajprenal.00574.2014. [Epub ahead of print] 166

### g growth factor β1 and diabetic nephropathy.

Hathaway CK, Smithies O, Kakoki M.

Renal Physiol. 2015 Dec 30:ajprenal.00502.2015. doi: 10.1152/ajprenal.00502.2015. [Epub ahead of print] /64

xpression of mitochondrial DNA-encoded genes in human renal mesangial cells in high glucose-induced reactive oxygen species.

Sabry MA, Bakhiet M. 2015 Dec 29. doi: 10.3892/mmr.2015.4732. [Epub ahead of print] )45

### SLC19A3 and Protection from Microvascular Damage in Type 1 Diabetes.

ppila I, Sandholm N, Hosseini SM, Forsblom C, Hietala K, Borio L, Harjutsalo V, Klein Paterson AD; DCCT/EDIC Research Group, Groop PH; FinnDiane Study Group. 5 Dec 30. pii: db151247. [Epub ahead of print]

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acellular vesicles as markers to assess kidney sodium transport. nton RA, Zietse R, Hoorn EJ. Related searches diabetic nephropathy review diabetic nephropathy treatment polymorphism diabetic nephropathy diabetic nephropathy mice classification diabetic nephropathy

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streptozotocin-induced rat model of diabetics.	C
Zhang H', Zhao T', Gong Y', Dong X', Zhang W', Sun S', Wang H', Gu Y', Lu X', Yan M', Li P'.	Save items
Author information	Add to Favorites     ▼
Abstract	
ETHNOPHARMACOLOGICAL RELEVANCE: Traditional Chinese medical herbs have been used in China for a long time to treat different diseases. Based on traditional Chinese medicine (TCM) principle, Chaihuang-Yishen granule (CHYS) was developed and has been employed	Similar articles
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	Review Effects of Tumor Necrosis Factor-a
CONCLUSIONS: CHYS ameliorates renal injury in diabetic rats through reduction of inflammatory cytokines and their intracellular signaling.	Podocyte Expression of M [Nephron Extra. 2
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## ScienceDirect



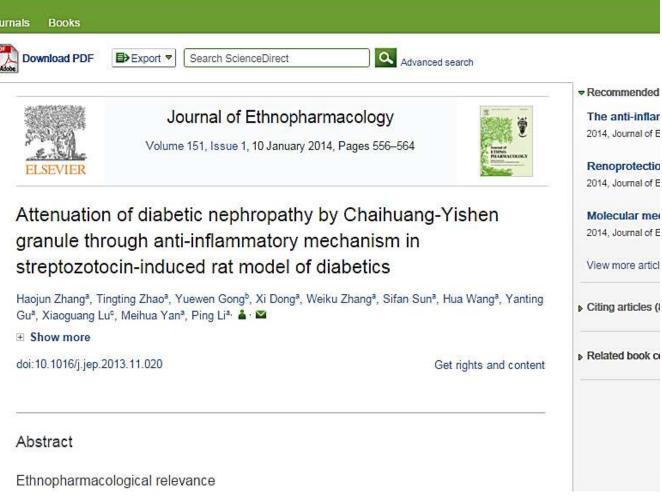
Article outline Show full outline Abstract Graphical abstract

- Abbreviations
- Keywords
- 1. Introduction
- 2. Materials and methods
- 3. Results
- 4. Discussion
- Acknowledgements
- References





Table 1





ScienceDirect	Journals Books			
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		Nursing and Health		S	т	U	V	W	X
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Earth and Planetary	Environmental Science	and Pharmaceutical Science	Decision Sciences	Brow	wse all	titles			
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Engineering	Neuroscience		Psychology						
Materials Science			Social Sciences						



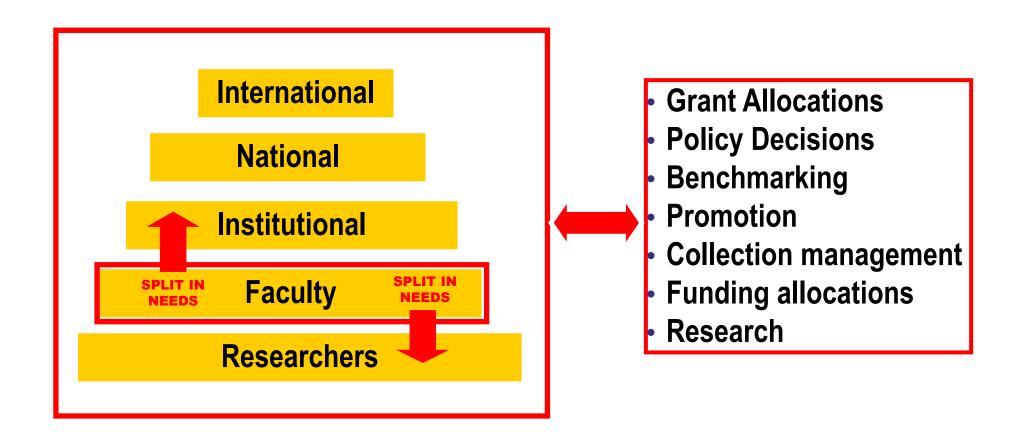
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# Why do we evaluate scientific output

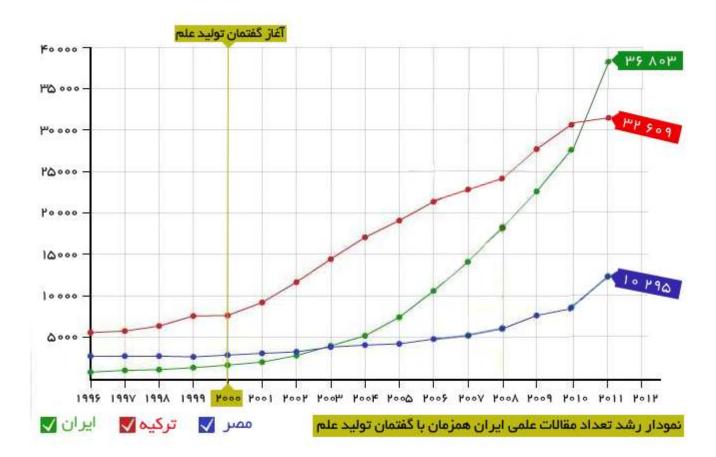




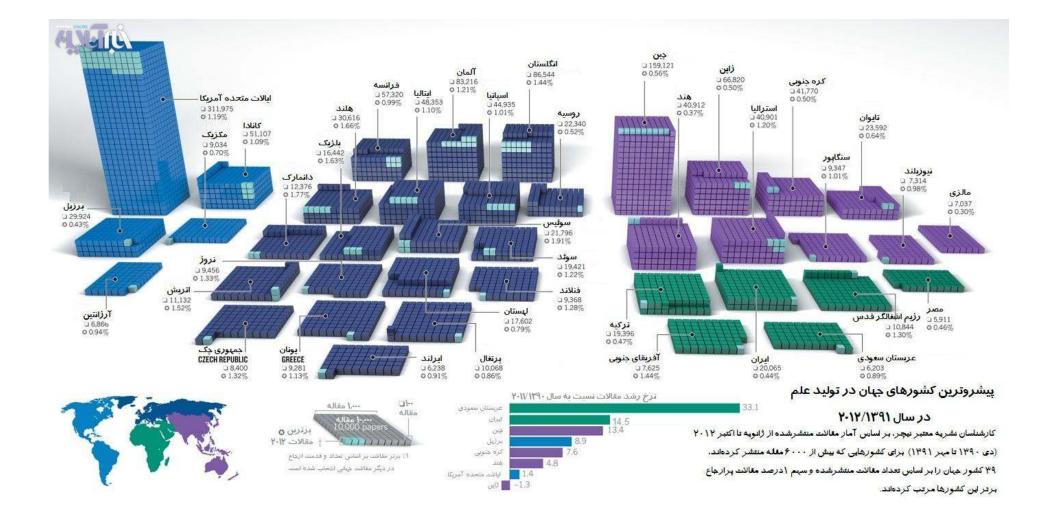
# Evaluation of scientists by "experts"

- •e.g., surveys
- Citation Analysis
  - Task: Compute a score for the "objects"
- •Hybrid method of previous two



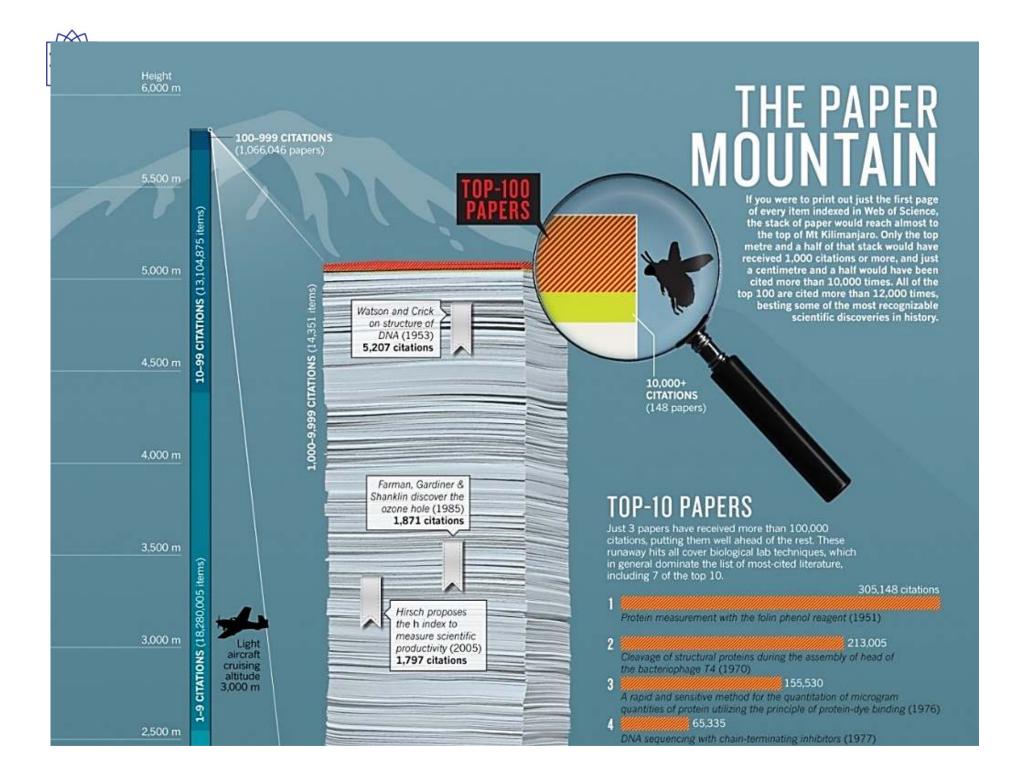














## **Journal Ranking**

- Journal Citaiton Report- Impact Factor
- Eigenfactor
- Scopus (SNIP)
- SCImago Journal Rank (SJR)

## **Article Ranking**

- Web of Science
- F1000
- Google: POP
- Scopus

## Author Metrics: H-index

- Web of Science
- Scopus
- Google
- and H-index variants

## Altmetrics

 Use of social Media to evaluate scientific impact

## **Tools for Researchers Profile**

- Google Citation Profile
- Researcher ID
- ORCID

3

# 3 Kinds of Citation Data Indexes

## **Articles**

• Citation Impact

## **Authors**

- Number of papers (Quantity)
- Number of Citations (Quality)
- Average number of citations/article
- *h*-index & *g*-index (Quantity & Quality Both)

## Journals

- Journal Impact Factor
- *h*-index



## "Using the Impact Factor alone to judge a journal is like using weight alone to judge a person's health."





# Today

Impact Factor

**Total Citations** 

Audience Factor

SNIP

AR Index

h-index

ERA - A\*/A/B/C

SJR Indicator

Immediacy Index

Cited Half-life Impact Factor

Article Influence

5-year Impact Factor

Eigenfactor

Rank normalised Impact Factor

g-index

Author Superiority Index



# Bibliometric indicators

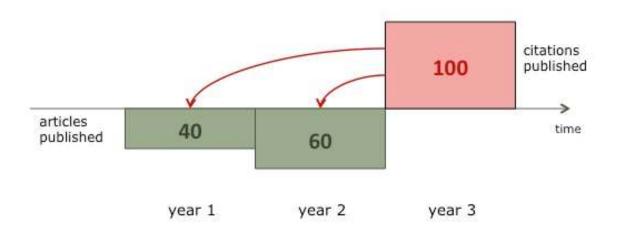


	Impact Factor	SJR / SNIP	h5-index
Source	Web of Science Last 2 years	Scopus Last 3 years	Google Scholar Last 5 years
Website	<u>Journal Citation</u> <u>Reports</u>	SJR: <u>SCImago Journal</u> <u>Rank</u> SNIP: <u>CWTS Journal</u> <u>Indicators</u>	<u>Google Scholar</u> <u>Metrics</u>
Note	SCI Journals	Scopus Journals	



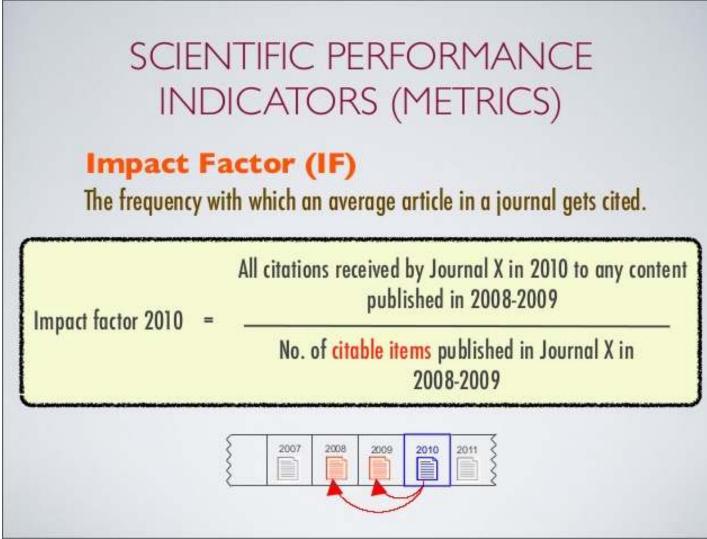
# The Impact Factor

Introduced in 1950's by Eugene Garfield: ISI



IF(year 3) = 100/40 + 60 = 1



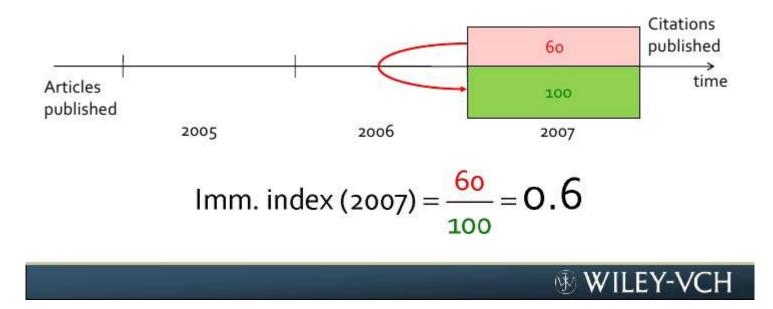


Tuesday, December 27, 2011



# Journal Immediacy Index

• The immediacy index is the average number of times an article is cited in the year it is published. The immediacy index is calculated by dividing the number of citations to articles published in a given year by the number of articles published in that year.



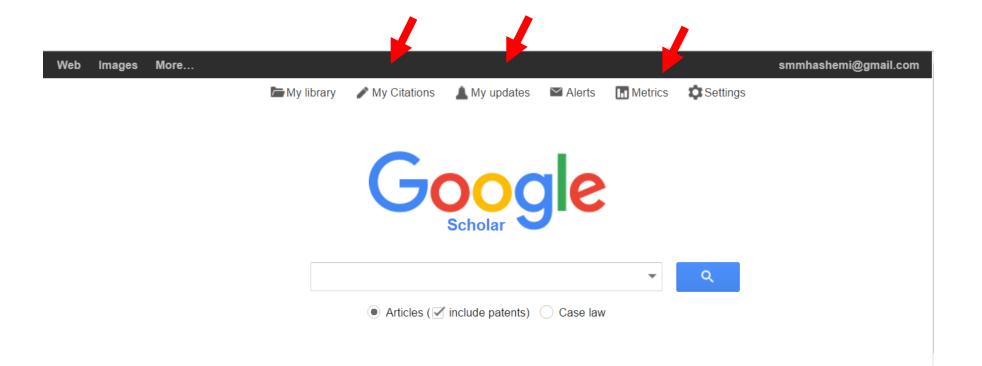


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### English

### Top publications - English Learn more

Business, Economics & Management	Publication	h5-index	h5-median
	1. Nature	379	560
Chemical & Material Sciences	2. The New England Journal of Medicine	342	548
Engineering & Computer Science	3. Science	312	464
Health & Medical Sciences	4. The Lancet	259	418
Humanities, Literature & Arts	5. Cell	224	339
Life Sciences & Earth Sciences	6. Chemical Society reviews	224	329
	7. Journal of the American Chemical Society	218	293
Physics & Mathematics	8. Proceedings of the National Academy of Sciences	215	286
Social Sciences	Web Images More 9. A		
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12. P Business, Economics & Management 10 0 Chemical & Material Sciences Engineering & Computer Science Health & Medical Sciences Humanities, Literature & Arts ▼ Life Sciences & Earth Sciences Subcategories... Physics & Mathematics Social Sciences Chinese

Portuguese

### Top publications - Life Sciences & Earth Sciences Learn more

	Publication	h5-index	h5-median
1.	Nature	379	560
2.	Science	312	464
3.	Cell	224	339
4.	Proceedings of the National Academy of Sciences	215	286
5.	Nucleic Acids Research	184	345
6.	Nature Genetics	179	267
7.	PLOS ONE	166	215
8.	Nature Communications	164	207
9.	Nature Biotechnology	148	239
10.	Neuron	144	198
11.	Nature Reviews Genetics	133	228
12.	Nature Methods	132	204

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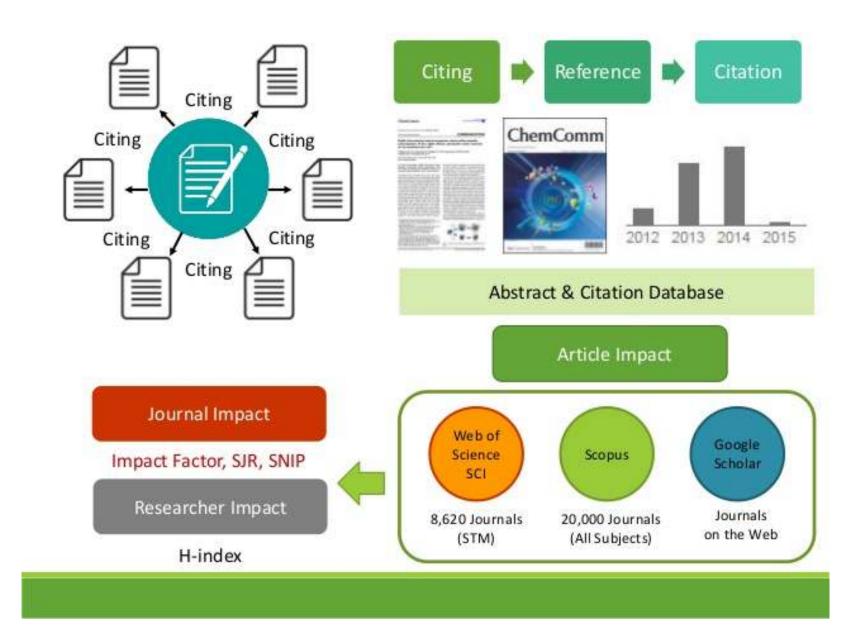
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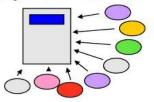




## Source Normalized Impact per Paper - SNIP

### Calculate 'Citation Potential' for 2009

1. Collect papers citing 1-3 year old papers in target journal in 2009



4. Citation Potential = average number of references to any 1-3 year old papers 2. Collect reference lists of citing papers

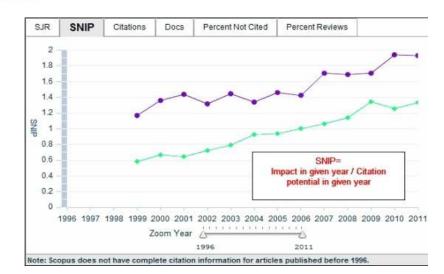
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3. Count number of references in citing papers to any (in any journal) 1-3 year old papers

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SNIP = 2009 Impact / 2009 Citation PotentialNormalize for<br/>differences in<br/>citation behaviour<br/>between subject fields• Arts & Humanities – low impact, low Citation Potentialbetween subject fields

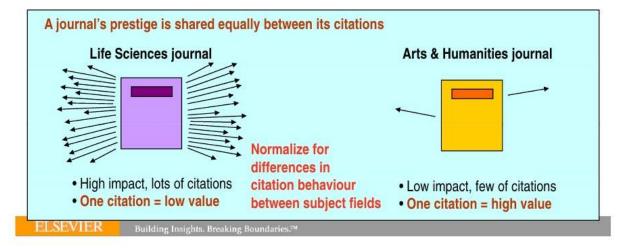
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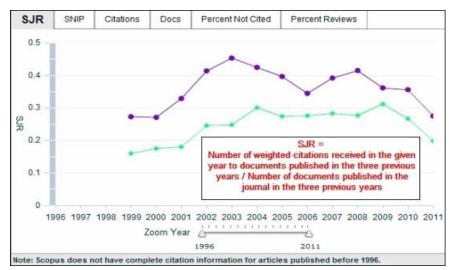




SJR is a prestige metric - citations weighted depending on where they come from

- A journal transfers its prestige by citing
- Prestige transferred = journal's SJR
- e.g. Lancet SJR 2007 = 1.541 high prestige
- e.g. Scandinavian Journal of Medicine and Science in Sports SJR 2007 = 0.153 lower prestige

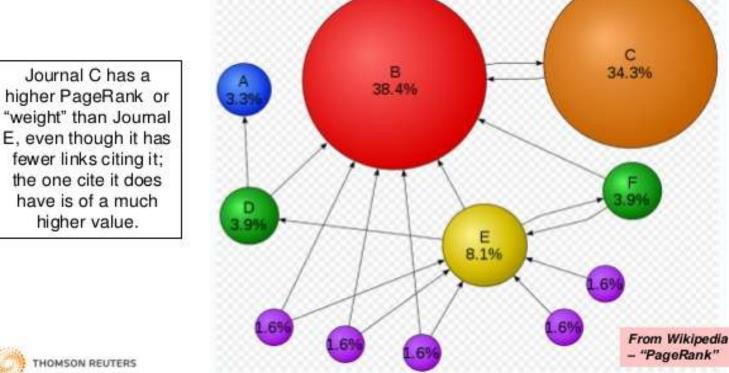






### EIGENFACTOR SCORE

Eigenfactor score reflects a journal's footprint in the overall journal-citation network, measuring its influence in the entire network. It is based on the Google PageRank method.







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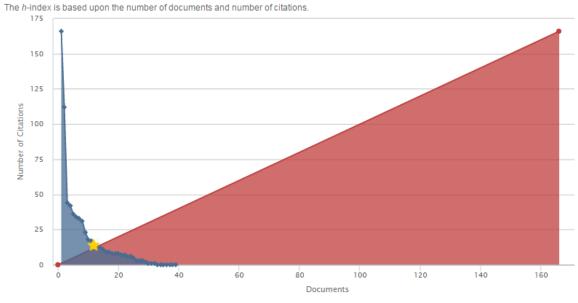


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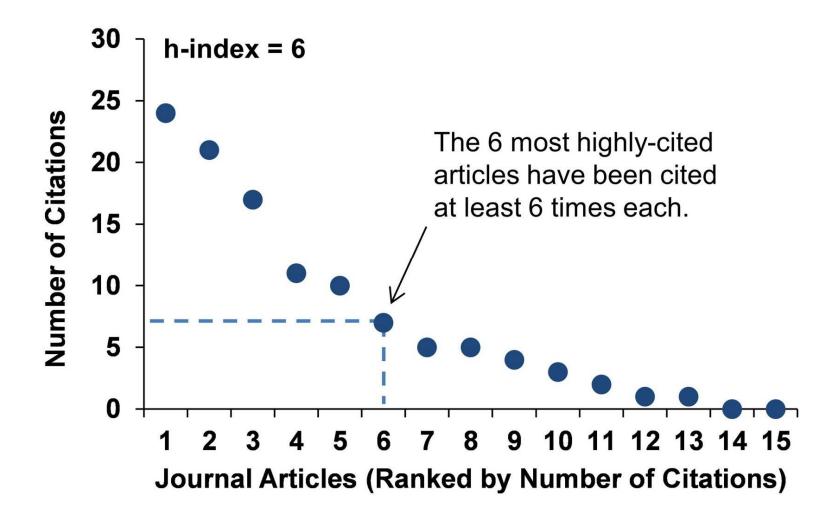
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16	9	Adjuvant activity of GP96 C-termina

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Affiliation						
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#### Brazilian citation scheme outed

Thomson Reuters suspends journals from its rankings for 'citation stacking'.

#### **Richard Van Noorden**

27 August 2013

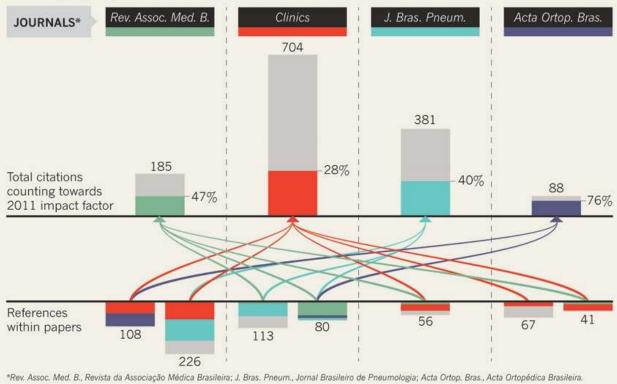


Mauricio Rocha-e-Silva thought that he had spotted an easy way journals. From 2009, he and several other editors published artic references to papers in each others' journals — in order, he says factors.

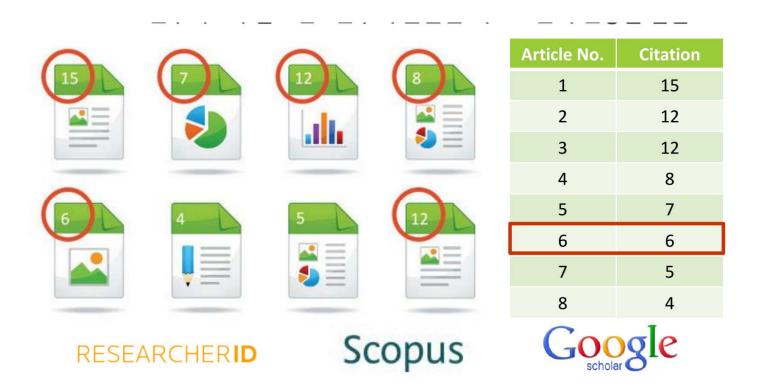
Because each article avoided citing papers published by its own the radar of analyses that spot extremes in self-citation — until 1 discovered. Thomson Reuters, the firm that calculates and publithat it had designed a program to spot concentrated bursts of cit

#### **CITATION STACKING**

In 2011, four Brazilian journals published seven review papers with hundreds of references to previous research (2009–10) in each others' journals. This raised their 2011 impact factors.



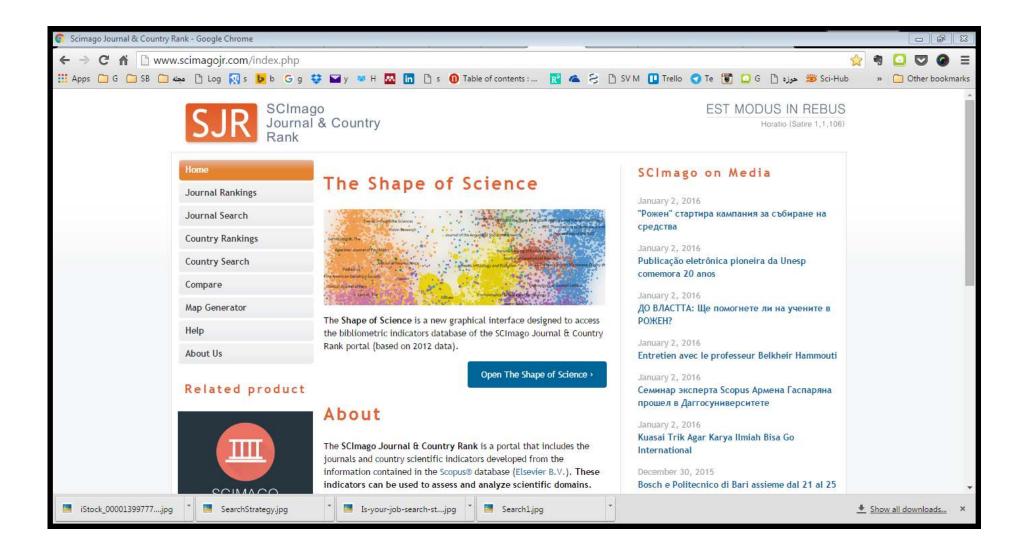






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Life Sciences & Earth Sciences	5. Cell	216	330			
Physics & Mathematics	6. Proceedings of the National Academy of Sciences	216	280			
	7. Journal of Clinical Oncology	202	296			
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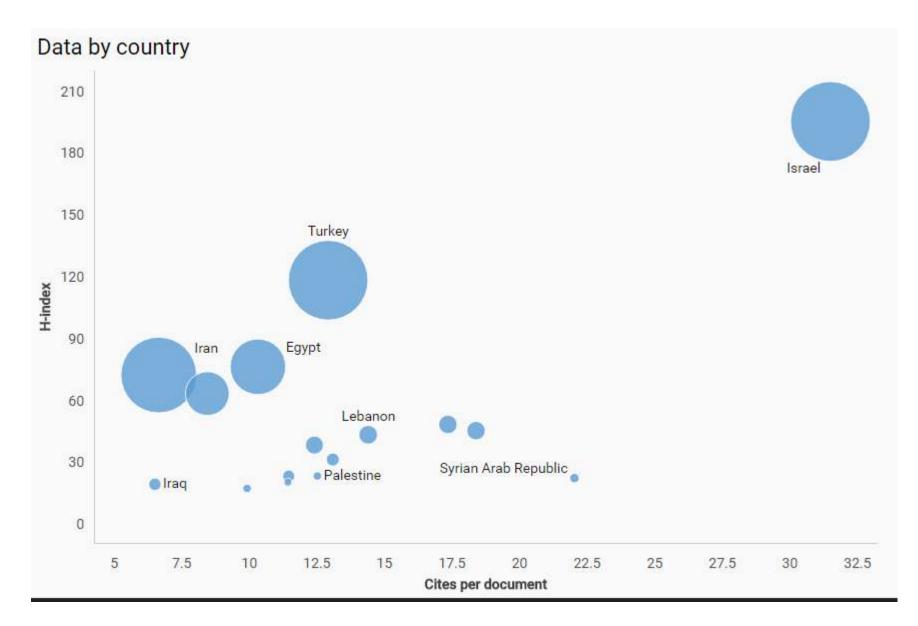


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	2 Annual Review of Immunology	journal	32.720 Q1	254	26	74	5684	2937	74	35.72	218.62	
	3 Nature Reviews Genetics	journal	32.615 Q1	267	157	676	6584	8171	212	36.13	4 <mark>1.9</mark> 4	
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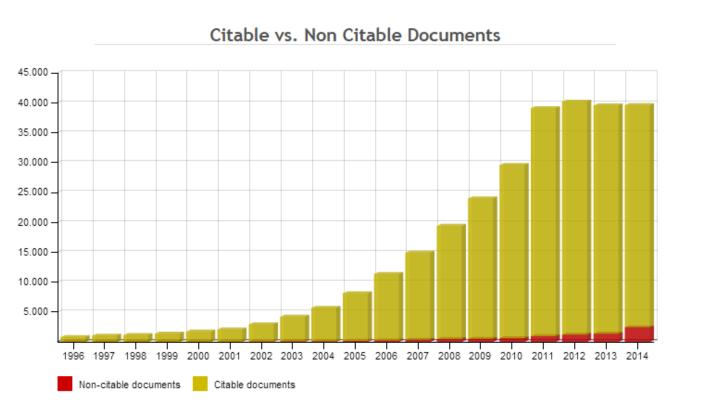


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	3	🔠 United Kingdom	2.397.817	2.103.145	44.011.201	10.321.539	21,03	1.015
	4	📕 Germany	2.176.860	2.045.433	35.721.869	9.141.181	18,50	887
	5	🧕 Japan	2.074.872	2.008.410	27.040.067	7.619.559	13,79	745
	6	France	1.555.629	1.468.286	24.700.140	5.516.943	17,95	811
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	10	💳 Spain	952.099	884,670	12.628.097	3.068.362	16,14	591
	11	Australia	890.458	809.027	13.772.961	2.947.945	19,49	644
	12	🙁 South Korea	739.229	719.338	7.063.429	1.528.443	12,38	424
🥑 @scimago	13	💼 Russian Federation	701.029	689.095	4.289.618	1.273.073	6,50	390
	14	🚍 Netherlands	681.804	628.678	14.278.721	2.321.446	24,56	69 <mark>4</mark>
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## An Introduction to Social Media for Scientists

#### Holly M. Bik<sup>1</sup>\*, Miriam C. Goldstein<sup>2,3</sup>

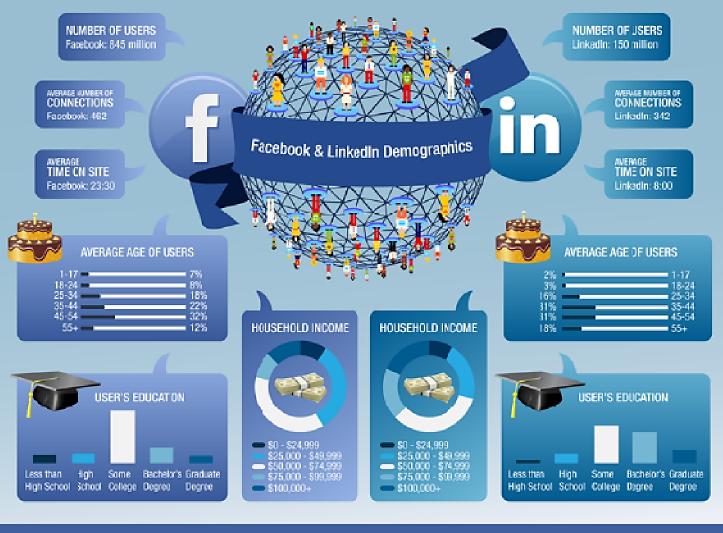
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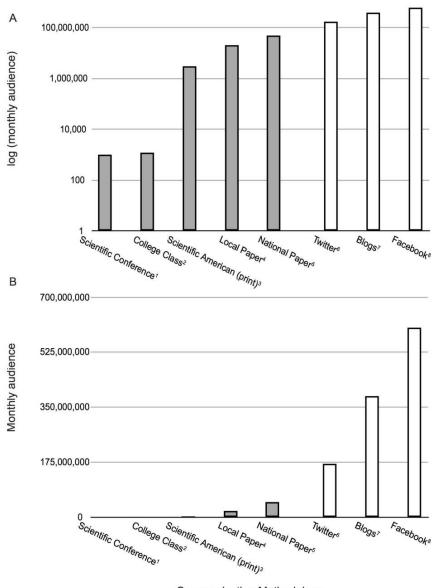






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Communication Methodology

Figure 1. Monthly audience by communication methodology shown on A) log scale and B) linear scale. Filled bars indicate traditional methodologies and unfilled bars indicate online methodologies. Data sources are as follows: 1. estimate; 2. estimate; 3. Scientific American (http://bit.ly/Z0dkaF); 4. San Diego Union-Tribune (http://bit.ly/WusyhV); 5. New York Times (http://bit.ly/14aktDi); 6. Twitter (http://tcm.ch/146wWsy); 7. Wordpress 2

PLOS Biology | www.plosbiology.org

April 2013 | Volume 11 | Issue 4 | e1001535



# SCIENTISTS AND THE

Giant academic social networks have taken off to a degree that no one expected even a few years ago. **A Nature survey** explores why.

# SOCIAL NETWORK



## **6 Popular Online Networking Tools for Scientists & Academics**

## **ResearchGate**

• "mission is to connect researchers and make it easy for them to share and access scientific output, knowledge, and expertise." Based on the *Nature* survey, they seem to be leading the pack of research-oriented social networks.

## Academia.edu

•calls itself "a platform for academics to share research papers." Academia.edu may be less popular than ResearchGate, but the company says it has more than 21 million people signed up.

## **Mendeley**

• combines an online reference manager with tools for online sharing and collaboration.

### **ResearchID**

•assigns researchers with a unique ID to make it easier to update personal profiles with new publications and to identify potential collaborators.

### **Epernicus**

• is a Boston-based company open to current and former research scientists. They allow scientists to create their profiles, connect with colleagues, and find people in their network with particular expertise.

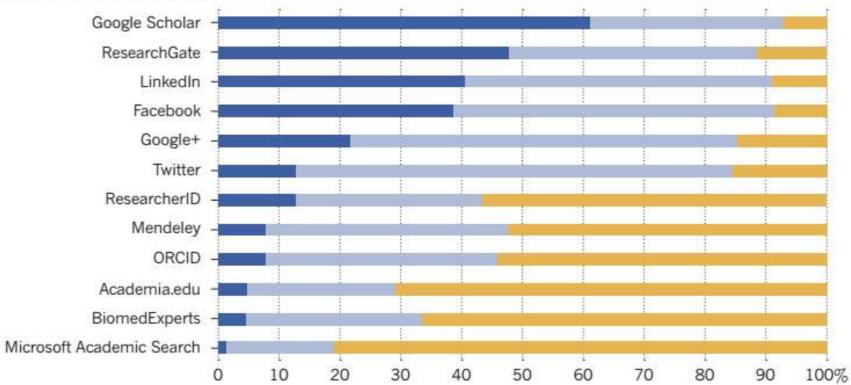
### **Twitter**

• is a great place to engage with other scientists. A number of scientific fields, such as synthetic biology and genome engineering, have robust communities on Twitter - scientists tweeting and retweeting the newest publications, news, practical advice, and more. Just follow scientists in your field or relevant journals to stay up-to-date with minimal effort.



More than 3,000 scientists and engineers (below) told Nature about their awareness of various giant social networks and research-profiling sites. Just under half said that they visit ResearchGate regularly. Another 480 respondents in the humanities, arts and social sciences were less keen on ResearchGate — see charts at go.nature.com/fjvxxt.

- I am aware of this site and visit regularly
- I am aware of this site but do not visit regularly
- I am not aware of this site

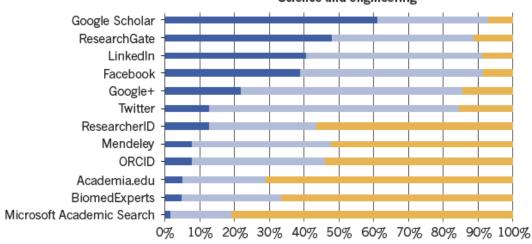




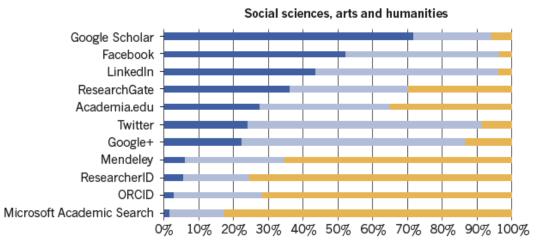
## **REMARKABLE REACH**

More than 3,000 scientists and engineers told Nature about their awareness of various giant social networks and research-profiling sites. Just under half said that they visit ResearchGate regularly. Another 480 respondents in the humanities, arts and social sciences were less keen on ResearchGate.

- I am aware of this site and visit regularly
- I am aware of this site but do not visit regularly
- I am not aware of this site



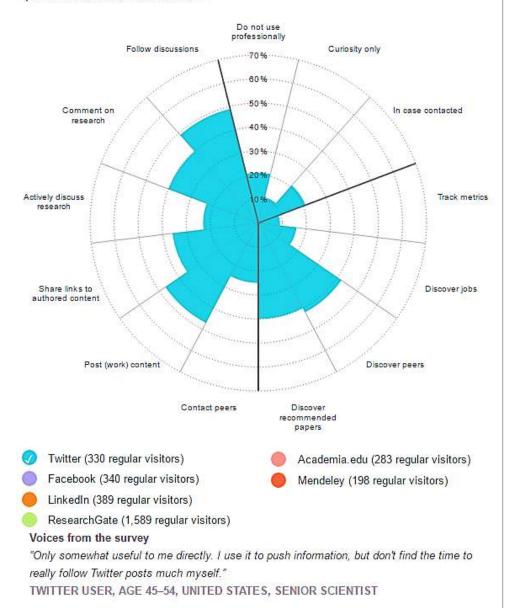






#### Interactive: Why scholars use social media

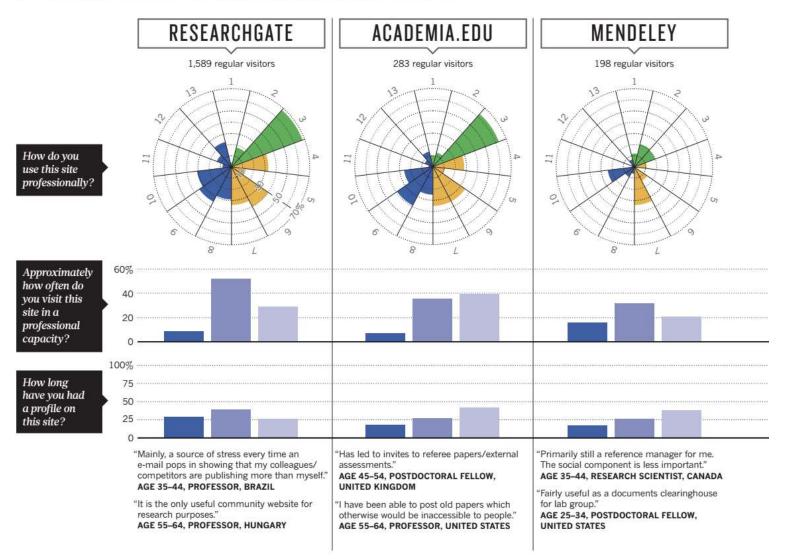
In *Nature*'s survey, a subset of scholars who said they 'regularly visited' social media sites were quizzed in detail about their activities.





## IDLE, BROWSE OR CHAT?

Nature asked a subset of regular visitors to social networks how they used the sites professionally. (Each person was asked to tick all activities that applied.) The results suggest that Facebook is not widely used professionally; that researchers on Twitter are very active and social; and that many users of Academia.edu and ResearchGate signed up in case someone wants to contact them — but are not chatty themselves. Full results are available at go.nature.com/jvx7pl.

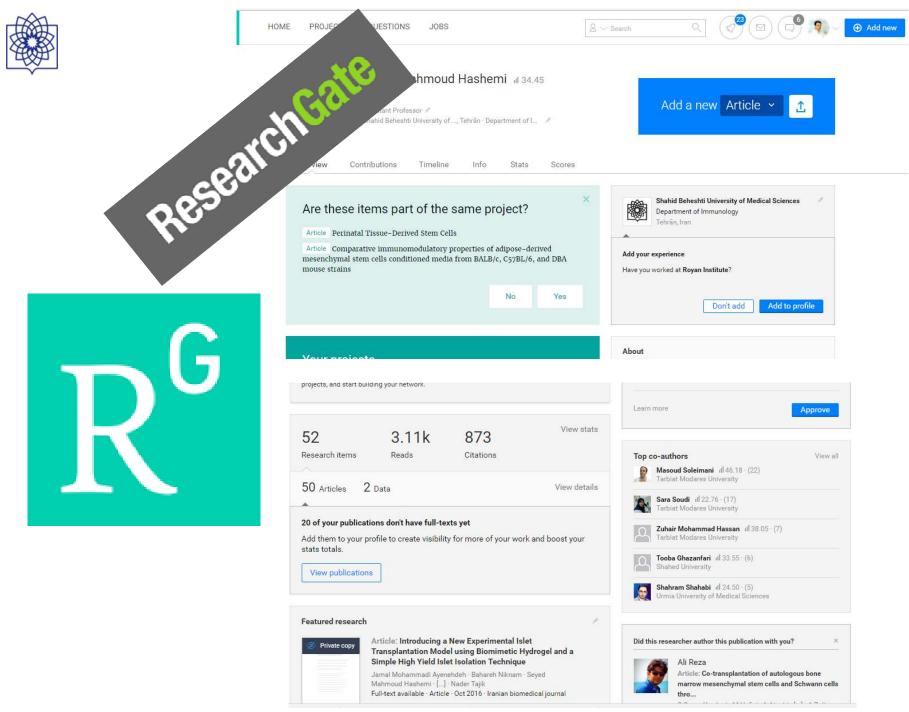




### Table 1. Comparison of Online Tools.

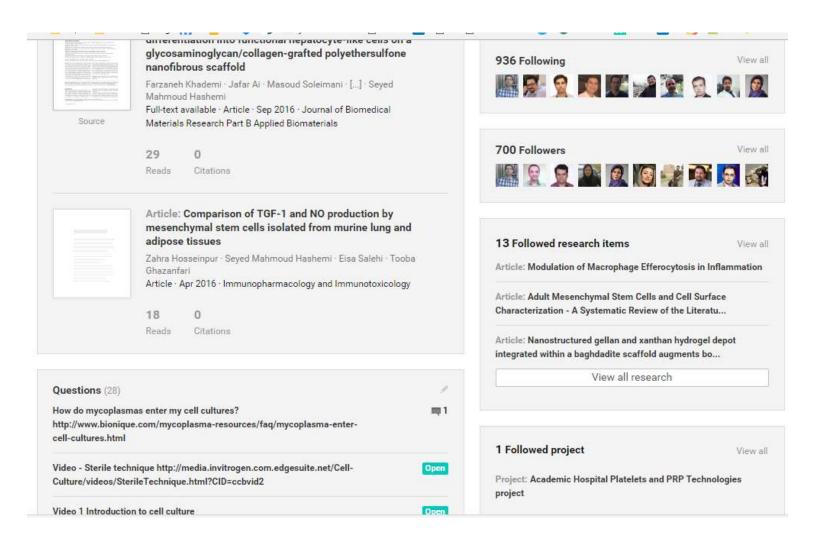
Platform	Pros	Cons	
Blogs	<ul> <li>Longevity; posts are accessible via search engines</li> <li>Robust platform for building an online reputation</li> </ul>	<ul> <li>Time investment for preparing thoughtful posts</li> <li>Posts should be disseminated and advertised via other platforms</li> </ul>	
Twitter	<ul> <li>Low time investment, short posts</li> <li>Ability to rapidly join in on online conversations</li> <li>The most current source for breaking news and topical conversation</li> </ul>	<ul> <li>Posts are quickly buried under new content</li> <li>Twitter does not make its archive database accessible to search</li> <li>Gaining followers can be a slow and difficult process</li> </ul>	
Facebook	<ul> <li>Established juggernaut in the social media world</li> <li>Ability to create "groups" and "pages" for a person or cause</li> </ul>	<ul> <li>Privacy concerns</li> <li>Frequent changes to layout, features, and settings</li> </ul>	
Google+	<ul> <li>Integration with Google tools</li> <li>Easily manage privacy/visibility by grouping contacts into "circles"</li> </ul>	<ul><li>User base not unique compared to other sites</li><li>Users still unsure how to use it</li></ul>	

doi:10.1371/journal.pbio.1001535.t001



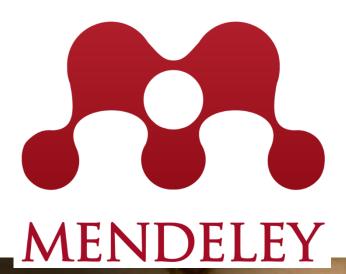
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S.	Wulligundam Praveen asked a question: Is there any alternate for OP9 cells in hematopoieitc differentiation of ESCs ? How good is the OP9-conditioned	QUESTIONS WE THINK YOU CAN ANSWER RECENT QUESTIONS IN YOUR FIELD
	medium in this regard? I currently use OP9 cells for hematopoietic differentiation of mESCs, which is taking a lot of time. Multiple times, the OP9-mESC	
	co-cultures go bad and show an altered morphology and spatial [more]         New       Be the first to answer         Follow       Answer	Q. Find a topic
	Giovanni Sgrò asked a question: Are there papers which document an immune reaction crusade to insulin synthesis?	YOUR SKILLS AND EXPERTISE       (49)         Western Blot       T Lymphocytes       Cancer Biology         Electrophoresis       Regenerative Medicine
	The immune reaction crusade could reduce the action of insulin	





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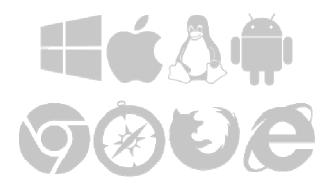
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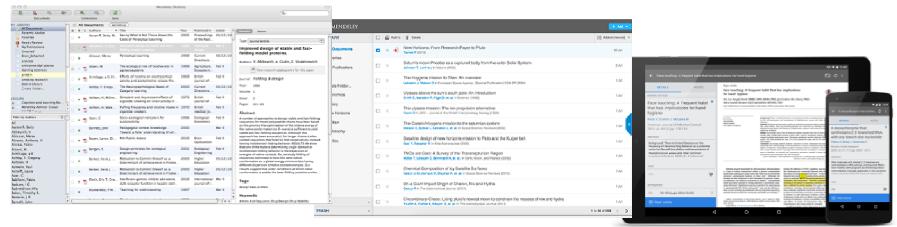
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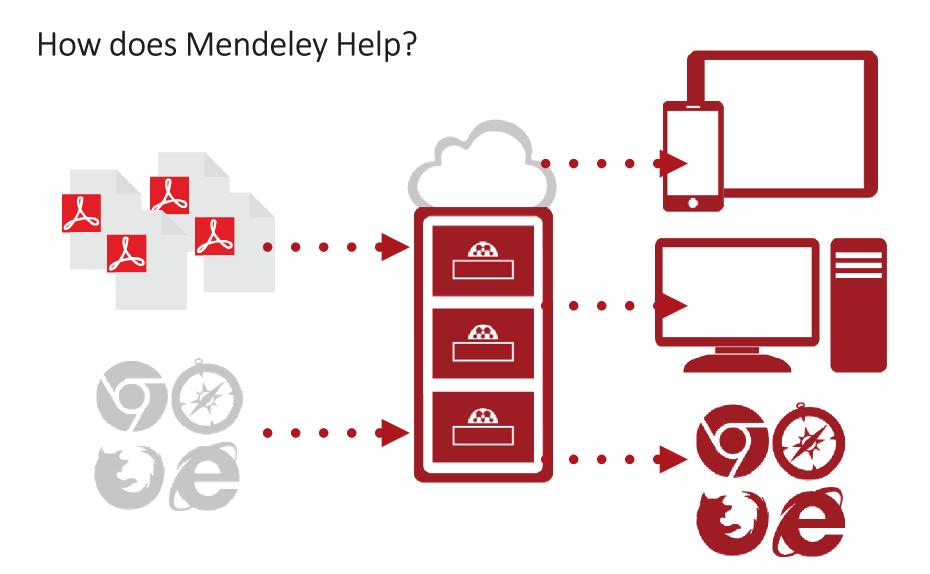




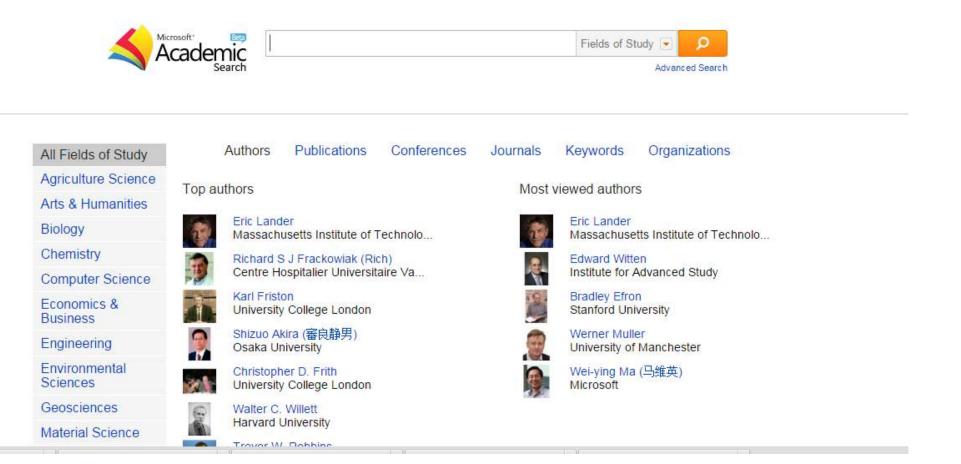
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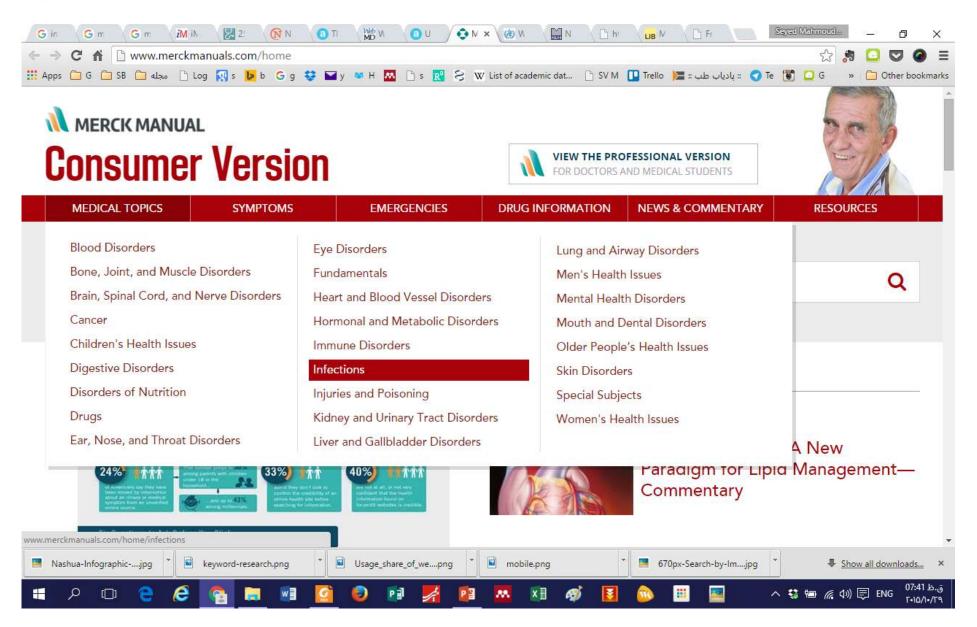


Database	Web of Knowledge	SCOPUS WOK	SCOPUS	SCOPUS
Journal Metrics	Impact Factor (IF)	<i>h</i> -index	SCImago Journal Rank (SJR/SJR2)	Source Normalised Impact per Paper (SNIP)
Unique points	The most widely used bibliometric indicator	Can be applied to the productivity and impact of a group of scientists, such as a department or university or country, as well as a scholarly journal.	<ul> <li>Is weighted by the prestige of the journal, thereby "leveling the playing field" among journals</li> <li>Eliminates manipulation: the SJR ranking is raised by being published in more reputable journals;</li> <li>A journal's prestige is "divided" equally among the total number of citations in that journal;</li> <li>Normalizes for differences in citation behaviour between subject fields</li> </ul>	<ul> <li>Measures contextual citation impact by "normalizing" citation values;</li> <li>Takes a research field's citation frequency into account</li> <li>Considers immediacy – how quickly a paper is likely to have an impact in a given field</li> <li>Accounts for how well the field is covered by the underlying database;</li> <li>Calculates without use of a journal's subject classification to avoid delimitation</li> <li>Counters any potential for editorial manipulation.</li> </ul>



Database	Web of Knowledge	SCOPUS	WOK	SCOPUS	SCOPUS
Journal Metrics	Impact Factor (IF)	<i>h</i> -index		SCImago Journal Rank	Source Normalised
				(SJR/SJR2)	Impact per Paper (SNIP)
Drawbacks	Affected by editorial policies	the typ citatio fields. or jour traditio differe citatio • Can b	onally use nt numbers of	<ul> <li>Emphasizes those sources that are used by prestigious titles</li> <li>Compared to Impact Factor, SJR tends to make the differences between journals larger. Journals in life and health sciences tend to have higher values. (Colledge et al., 2010)</li> </ul>	<ul> <li>Compared to Impact Factor, SJR tends to make the differences between journals smaller. Journals in engineering, computer science and social science tend to have higher values. (Colledge et al., 2010)</li> </ul>
To take note			ional concept an	d there is no single 'perfec	t' indicator of journal
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