## Building a Biomedical Journal of Excellence in Asia

### Bo Cui, PhD, MD

### **Executive Editor**

### **Journal of Biomedical Research**

March 23, 2015 Cheongju, South Korea

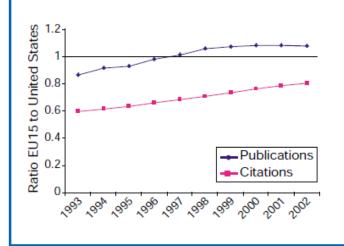


# The scientific impact of nations

What different countries get for their research spending.

#### David A. King

The ability to judge a nation's scientific standing is vital for the governments, businesses and trusts that must decide scientific priorities and funding. In this paper I analyse the output and outcomes from research investment over the past decade, to measure the quality of research on national scales and to set it in an international context. There are many ways to evaluate the quality of scientific research, but few have proved satisfactory. My analysis updates and extends the groundbreaking work by May<sup>1</sup>, which covered 1981–94, and draws on a study of 1993–2002 commissioned by

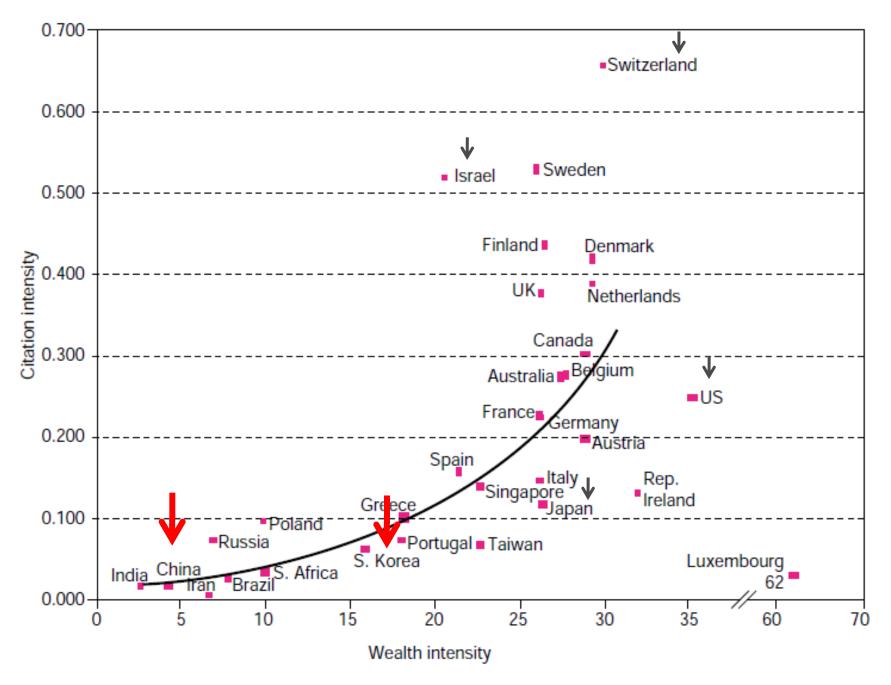


Austria, Belgium, Brazil, *Canada*, China, Denmark, Finland, *France*, *Germany*,

Figure 1 Comparing Europe with the United States. Ratio of the publications and citations of the 15 European Union countries in the comparator group (EU15) to the United States on ISI databases in 1993–2002. The EU15 total contains some duplication because of papers jointly authored between countries in the EU group. Counts for papers and citations are totals for country (or group) for the stated year.



almost as many papers and Germany is closing the gap in citations.



Nature. 2004 Jul 15;430(6997):311-

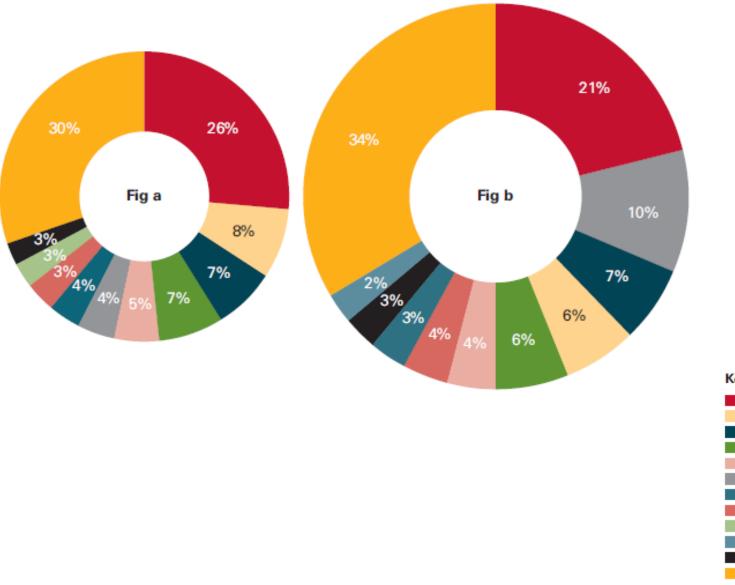
# Knowledge, networks and nations Global scientific collaboration in the 21st century



### THE ROYAL SOCIETY

## Figure 1.1. Proportion of global publication authorship by country<sup>17</sup>

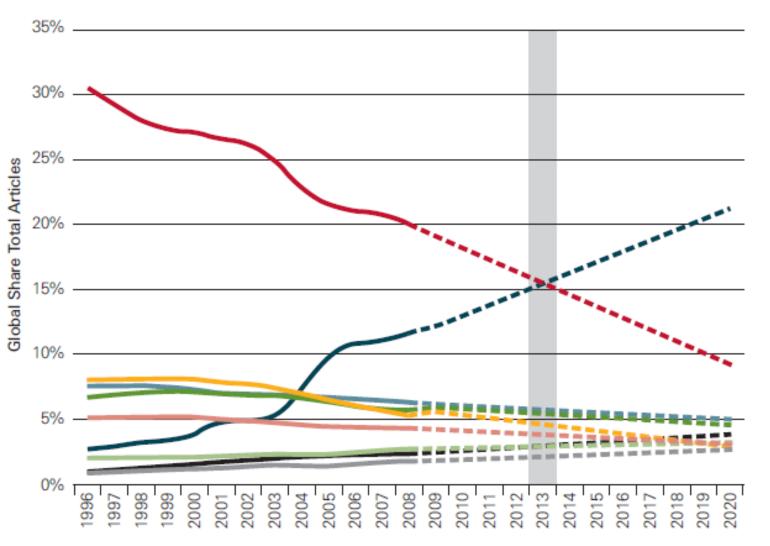
The top ten producing countries in each period are shown. Fig a. 1999-2003. Fig b. 2004-2008



#### Key United States Japan United Kingdom Germany France China Italy Canada Russian Federation India Spain Other

## Figure 1.6. Linear extrapolation of future publication trends.<sup>155</sup>

The dotted lines indicate projections





# guardian.co.uk

Monday 28 March 2011 22.00 BST

### China poised to overhaul US as biggest publisher of scientific papers Royal Society report shows China pushing UK into

third place in scientific publishing and predicts it will soon surpass the US

## **Country Publication Rankings-2013**

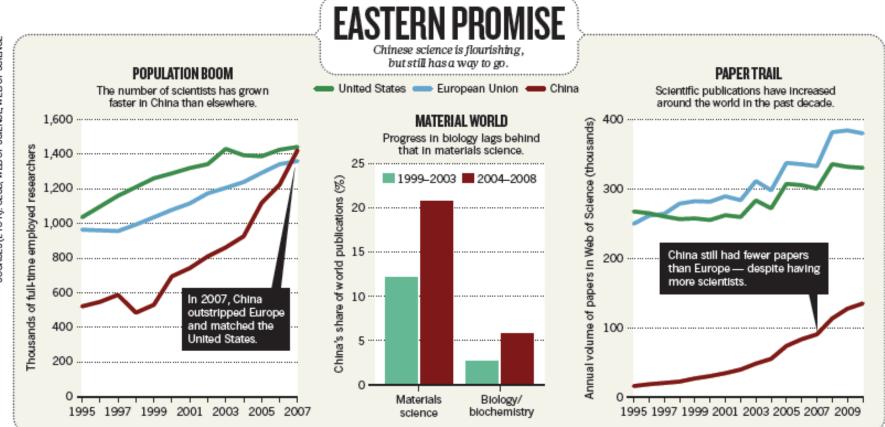
		Country	Documents	Citable documents	Citations	Self-Citations	Citations per Document	H index
1		United States	7.846.972	7.281.575	152.984.430	72.993.120	22,02	1.518
2	**	China	3.129.719	3.095.159	14.752.062	8.022.637	6,81	436
3	27 82 24 92	United Kingdom	2.141.375	1.932.907	37.450.384	8.829.739	19,82	934
4		Germany	1.983.270	1.876.342	30.644.118	7.966.777	17,39	815
5	٠	Japan	1.929.402	1.874.277	23.633.462	6.832.173	13,01	694
6		France	1.421.190	1.348.769	21.193.343	4.815.333	16,85	742
7	٠	Canada	1.110.886	1.040.413	18.826.873	3.580.695	20,05	725
8		Italy	1.083.546	1.015.410	15.317.599	3.570.431	16,45	654
9	0	India	868.719	825.025	5.666.045	1.957.907	8,83	341
10	5	Spain	857.158	800.214	10.584.940	2.629.669	15,08	531
11	<b>10</b>	Australia	782.149	723.460	11.447.009	2.449.459	18,24	583
12	:•:	South Korea	658.602	642.983	5.770.844	1.281.366	11,49	375
13		Russian Federation	639.598	629.671	3.664.726	1.088.981	6,00	355
14		Netherlands	614.552	574.144	12.103.482	2.003.644	23,03	636
15	<b></b>	Brazil	529.841	510.194	4.164.813	1.415.014	10,98	342



### Country Publication Rankings-Medicine, 2013

	Country	Documents	Citable documents	Citations	Self-Citations	Citations per Document	H index
1 🔤	United States	666.755	592.758	17.213.339	4.628.013	29,62	879
2	United Kingdom	206.416	164.519	4.821.211	640.125	26,50	587
3 💻	Germany	159.741	142.641	2.994.931	302.874	20,79	476
4 •	Japan	114.326	110.001	1.898.593	167.219	18,10	344
5 📔	China	110.970	108.596	782.358	101.291	10,08	211
6	France	102.544	92.776	2.149.285	175.758	22,75	449
7 🚺	Canada	92.373	81.584	2.378.245	207.141	30,92	479
8	Italy	77.605	69.343	1.722.972	151.504	26,25	416
9 🔽	Spain	70.704	60.513	1.049.268	107.985	17,53	314
10 🛅	Australia	67.000	56.101	1.367.101	148.066	25,21	359
11 🚍	Netherlands	60.891	55.042	1.576.753	139.090	30,45	405
12 🖸	Switzerland	51.327	46.258	1.183.233	65.773	26,44	377
13 ⊒	India	51.312	45.576	375.140	53.256	9,51	159
14 💽	Brazil	42.118	39.652	436.230	49.027	13,68	186
15 📒	Sweden	41.036	37.548	997.121	66.844	28,17	338







### Figure 1.4. Top 20 publishing cities 2004–2008, and their growth since 1996–2000.120



Increased 20+ places

## A Brief History of the Journal

1987

*Journal of Nanjing Medical University* 

First published biannually

Changed to quarterly in 2002 and bimonthly in 2003

23 volumes, 76 issues



## A Brief History of the Journal

2010 The Journal of Biomedical Research
 Published bimonthly in print
 E-edition accessible via Elsevier
 ScienceDirect by subscription



# A Brief History of the Journal

05.2012 Current contents available electronically at new journal website

Early release articles available

01.2013 Entire journal contents available at *PubMed Central* and journal website

Hosting by *ScienceDirect* discontinued



## Scope and Aim of the Journal

The Journal intends to provide international biomedical investigators with an open forum

to disseminate important new information in:

- Basic Medicine
- Translational and Clinical Medicine
- Public Health



## Scope and Aim of the Journal

- Editorial
- Original article
- Review article
- Case report
- Letter to the editor
- Perspective







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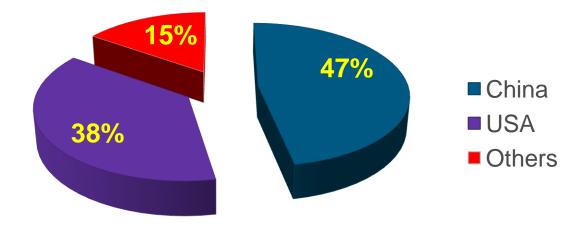


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## **The Editorial Board**



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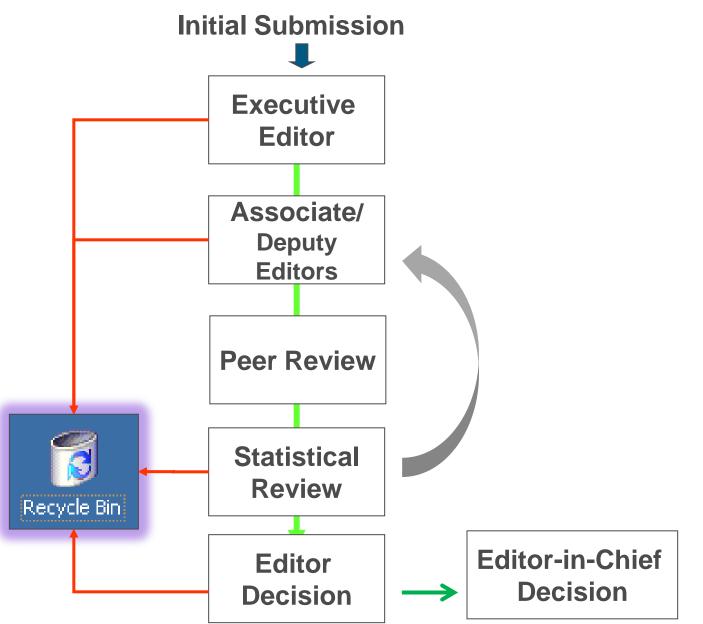
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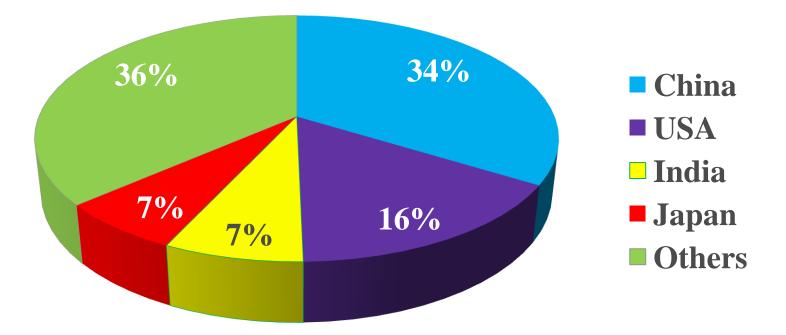


## **Peer Review**

- Accuracy
- Novelty
- Importance
- Ethics



## **Peer Review**



### **Totally: 151 from 31 countries for 2012**



### **Peer Review**

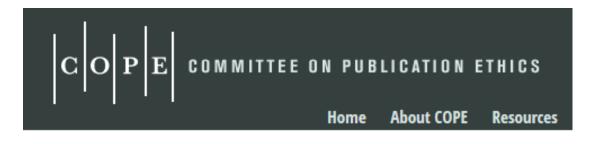
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- Conflicts of interests
- Declarations of Helsinki
- Guidelines regarding experimental use of animals and human subjects
- Clinical trial registrations



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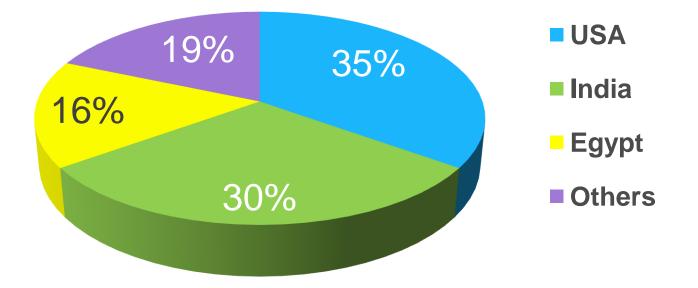




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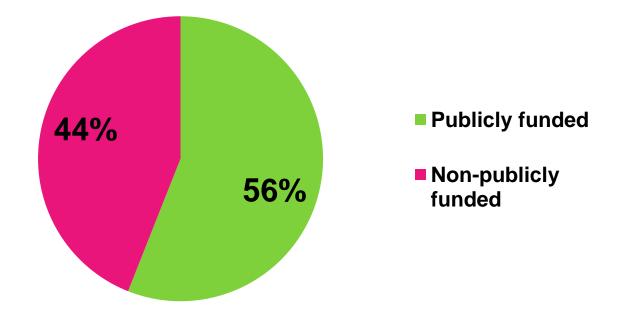
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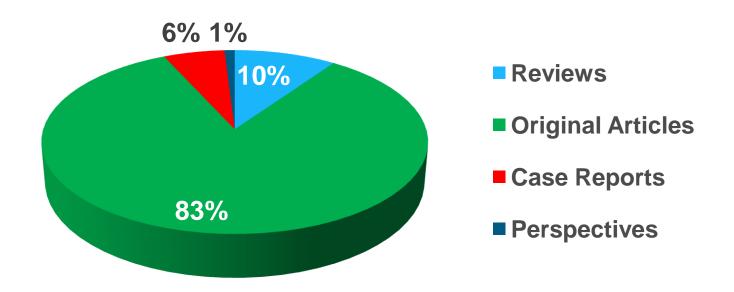
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#### April 2, 2013

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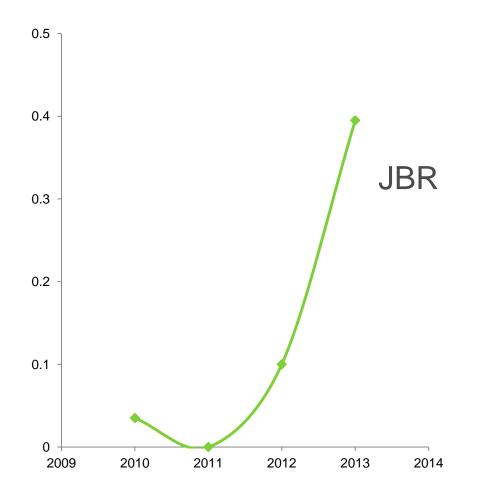
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74.	Acta Academiae Medicinae Sinicae	1000-503X	5.71
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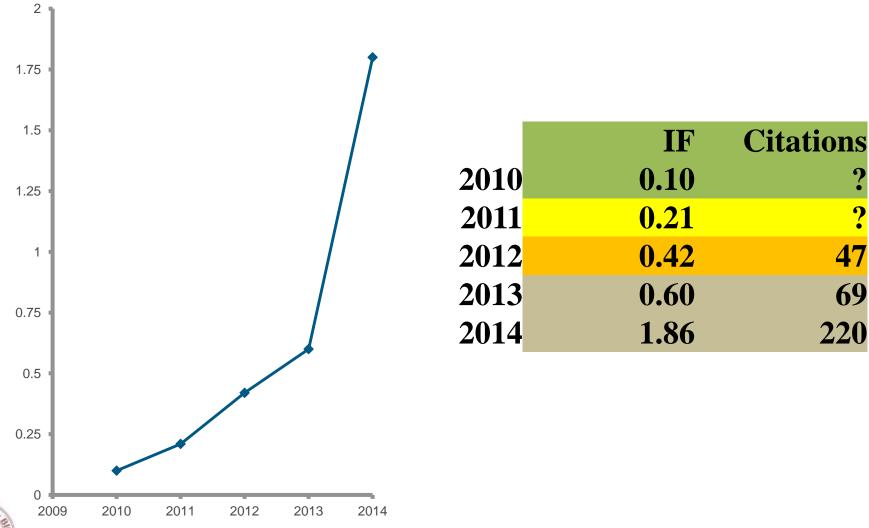


## **Current Year Impact Factor**





## **Two Year Impact Factor**



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## **Timeliness**

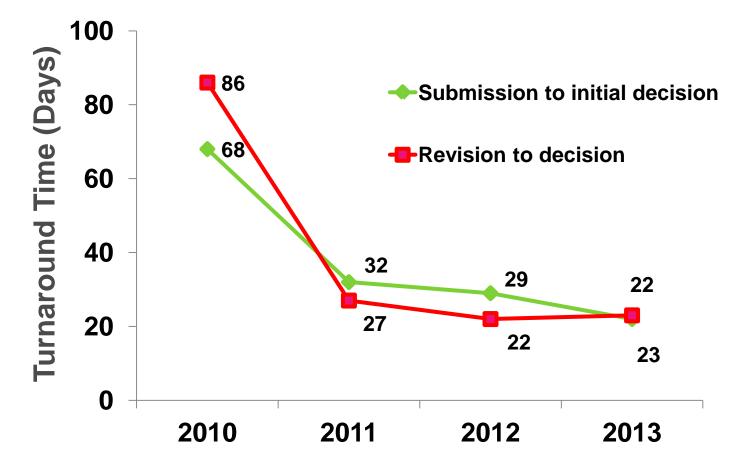
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### **Timeliness**





### Improve coverage by international databases

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### Improve editorial content by focusing on:

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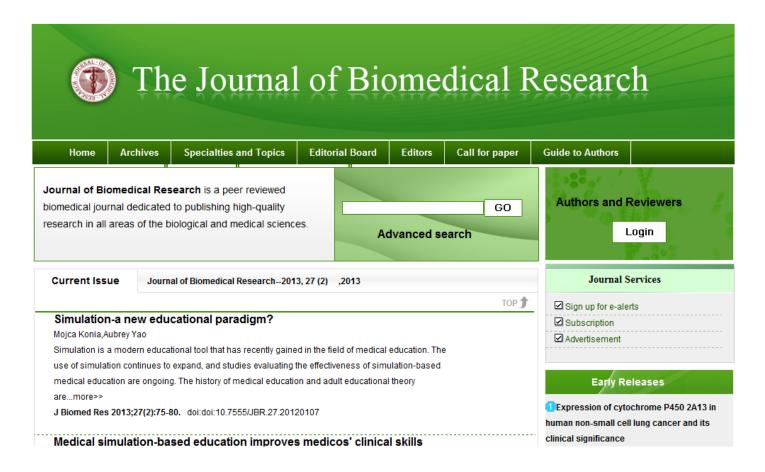
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present study, we identify HSV-infected and adjacent uninfected corneal epithelial cells as the source of interferon-α. We also report mice deficient in the A1 chain of the type I IFN receptor (CD118(-/-)) are extremely sensitive to ocular infection with low doses (100 PFU) of HSV-1 as seen by significantly elevated viral titers in the cornea compared to wild type (WT) controls. The enhanced susceptibility correlated with a loss of CD4(+) and	Herpes simplex virus type 2 virion host shutoff protein regulates alpha/beta interfer [J Virol. 2003]	
CD8(+) T cell recruitment and aberrant chemokine production in the cornea despite mounting an adaptive immune response in the draining mandibular lymph node of CD118(-/-) mice. Taken together, these results highlight the importance of IFN production in both the innate immune response as well	The antiviral efficacy of the murine alpha-1 interferon transgene against ocular [J Virol. 2002]	
as eliciting chemokine production required to facilitate adaptive immune cell trafficking.	Differential roles of B cells and IFN-gamma- secreting CD4(+) T cells in inn [J Gen Virol. 2001]	
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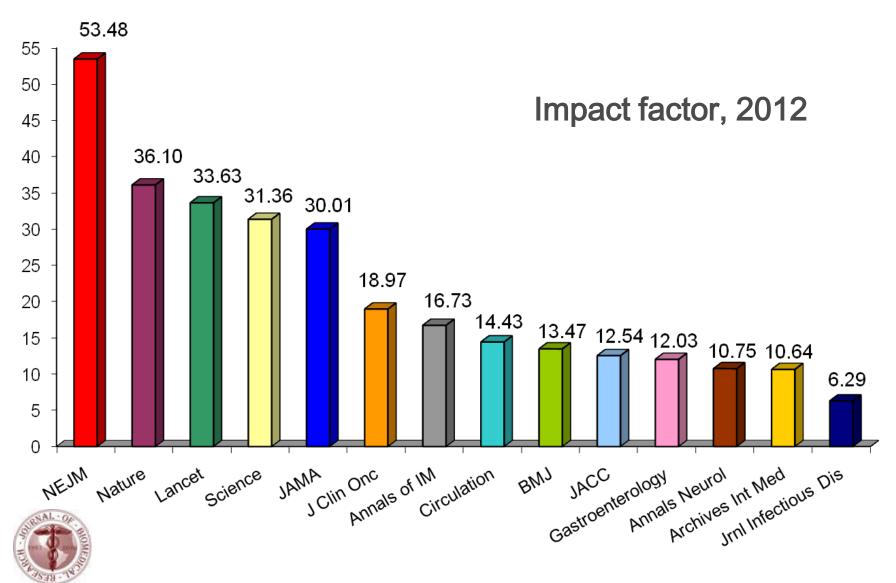


### Proactive





### **Impact Factors of Major Journals**



### **Further milestones**

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June, 2017, Application for Indexing by Medline



# Thank you!

