Journal Development: a Case Report

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Executive Editor

Journal of Biomedical Research

October 25, 2014
Nanjing

Journal History

1987 *J Nanjing Med Univ*

Biannually, 1987

Quarterly, 2002

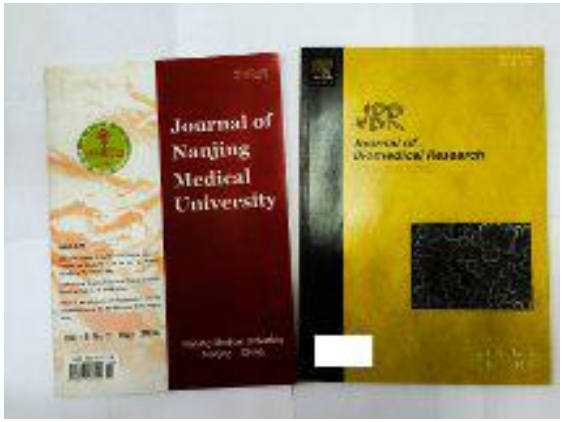
Bimonthly, 2003

23 volumes, 76 issues

Journal History

01.2010	*J Biomed Res*
	Bimonthly, 2010
	5 volumes, 29 issues
	Weekly, 2024
10.2010	I joined *J Biomed Res*
04.2013	Open access

Journal History



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[1], which covered 1981–94, and draws on a study of 1993–2002 commissioned by

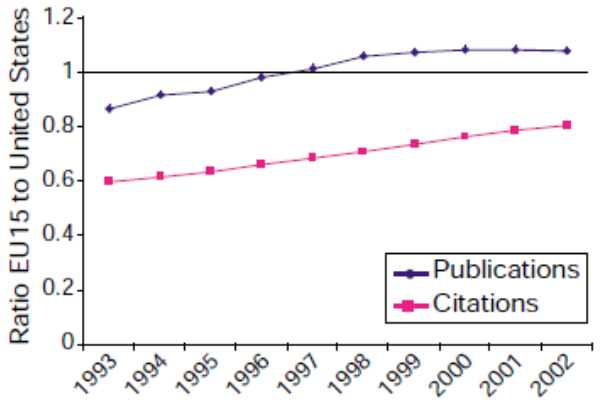
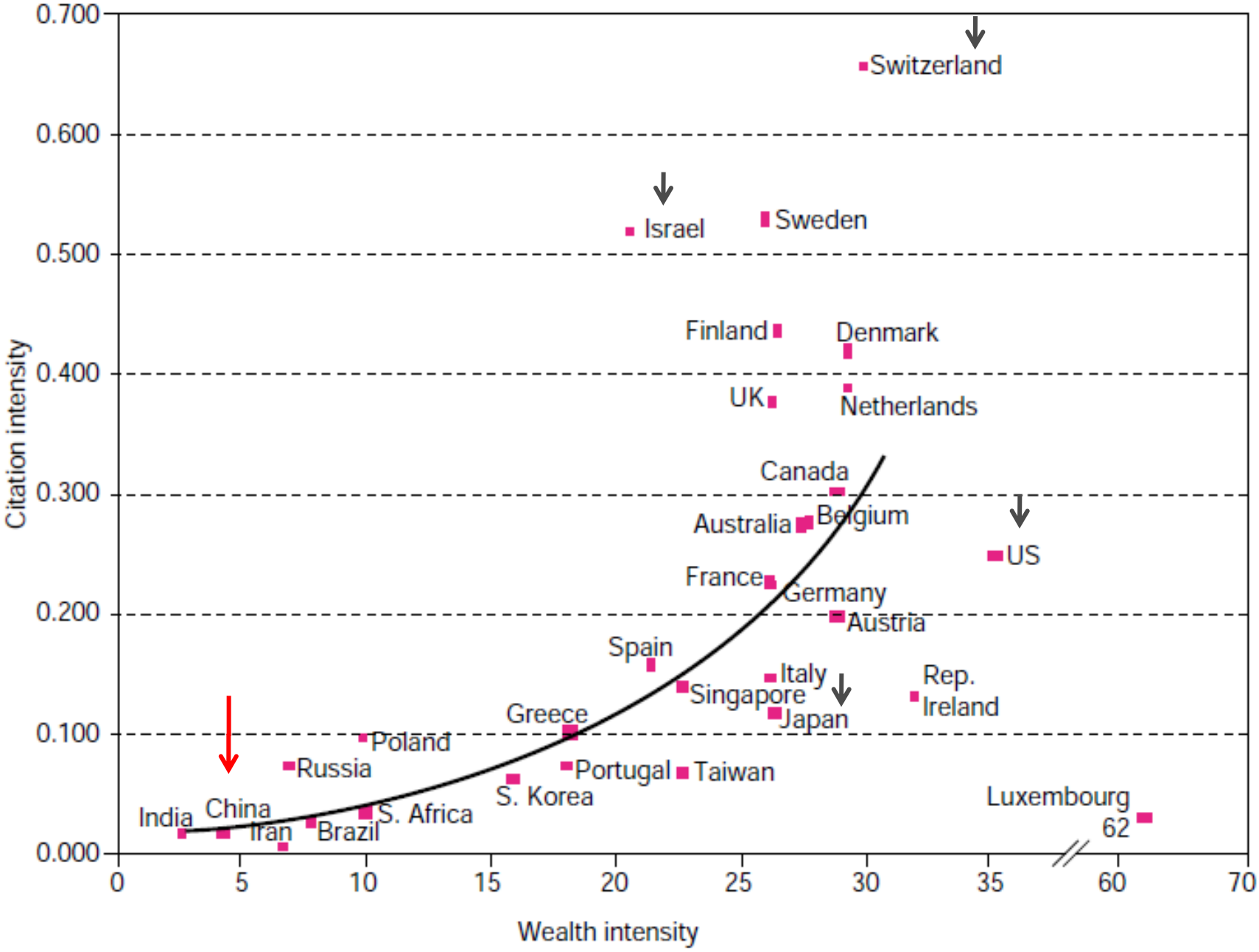


Figure 1 Comparing Europe with the United States. Ratio of the publications and citations of the 15 European Union countries in the comparator group (EU15) to the United States on ISI databases in 1993–2002. The EU15 total contains some duplication because of papers jointly authored between countries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

Austria, Belgium, Brazil, *Canada*, China, Denmark, Finland, *France*, *Germany*, almost as many papers and Germany is closing the gap in citations.

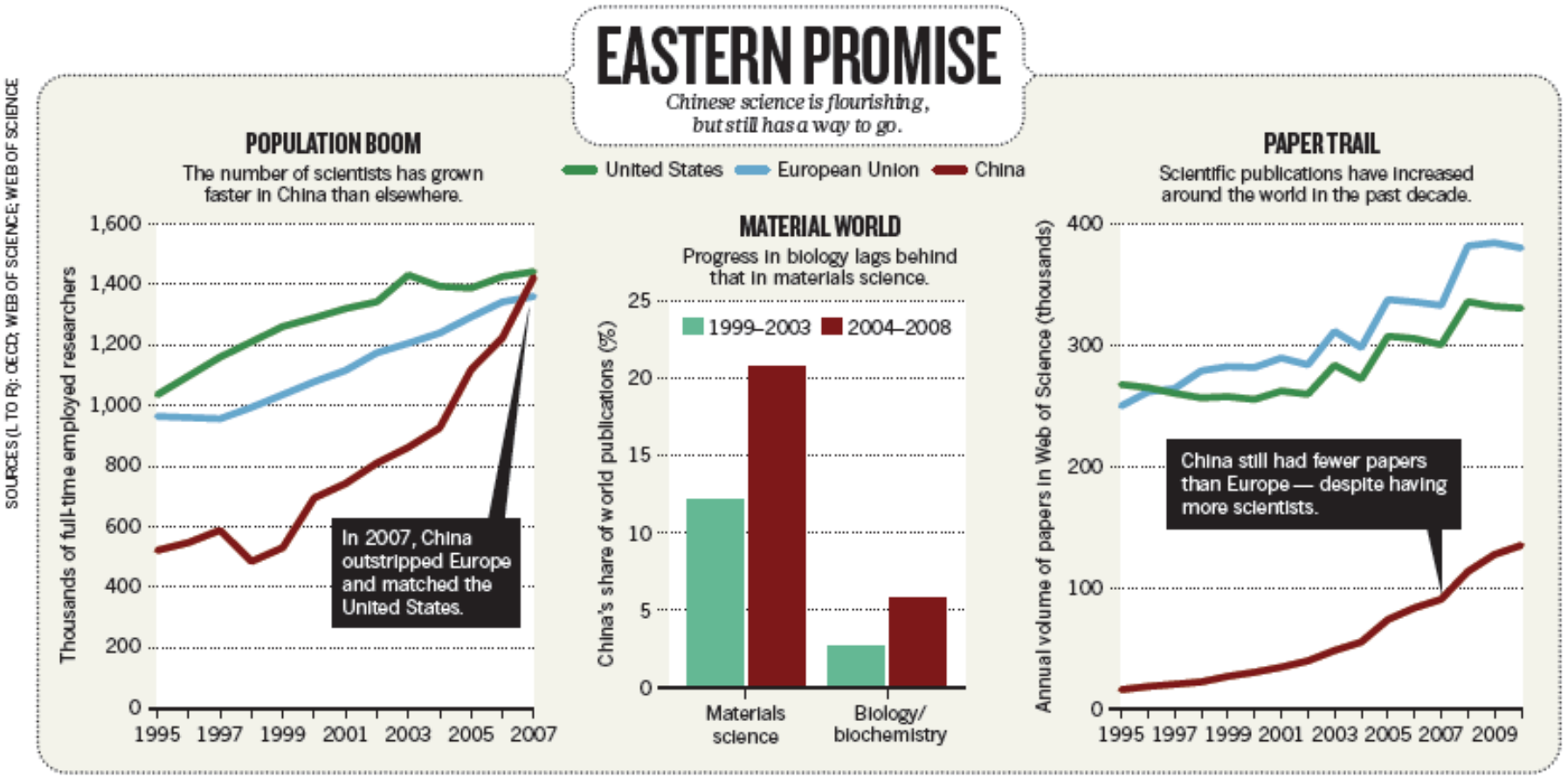
Nature. 2004 Jul 15;430(6997):311-6.



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

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	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	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	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	India	868.719	825.025	5.666.045	1.957.907	8,83	341
10	Spain	857.158	800.214	10.584.940	2.629.669	15,08	531
11	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	Brazil	529.841	510.194	4.164.813	1.415.014	10,98	342


EASTERN PROMISE
Chinese science is flourishing, but still has a way to go.
POPULATION BOOM
The number of scientists has grown faster in China than elsewhere.
United States
European Union
China
Thousands of full-time employed researchers
1,600
1,400
1,200
1,000
800
600
400
200
0
1995 1997 1999 2001 2003 2005 2007
In 2007, China outstripped Europe and matched the United States.
MATERIAL WORLD
Progress in biology lags behind that in materials science.
1999–2003
2004–2008
China's share of world publications (%)
25
20
15
10
5
0
Materials science
Biology/ biochemistry
PAPER TRAIL
Scientific publications have increased around the world in the past decade.
Annual volume of papers in Web of Science (thousands)
400
300
200
100
0
1995 1997 1999 2001 2003 2005 2007 2009
China still had fewer papers than Europe — despite having more scientists.
SOURCES (L TO R): OECD; WEB OF SCIENCE; WEB OF SCIENCE

Nature, 2012

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

Worldwide Rankings-*J Biomed Rs*

	JBR	%	CMJ	%	CJNM	%
2009	18412	89.6	8325	34.2	12519	51.4
2010	17734	67.7	6337	24.2	10892	41.6
2011	16681	60.3	7334	26.5	8313	30
2012	13087	45.1	7803	26.9	7524	26
2013	13526	46 (35?)	7261	24.7	8037	27.4

Note: Because SCOPUS mixes up J Biomed Res for J NJMU, coverage is missing for 2013. We are communicating with SCOPUS to resolve the issue. The ranking for 2013 for JBR is around 9000 (35%).
CMJ: Chinese Medical Journal (English)
CJNM: Chinese Journal of Natural Medicines

Worldwide Rankings-*Medicine*

	JBR	%	CMJ	%
2010	1228	67.9	542	30
2011	1099	60.1	598	32.6
2012	905	49.2	601	32.3
2013	955	52.3	584	32

Note: Because SCOPUS mixes up J Biomed Res for J NJMU, the ranking for 2013 for JBR is around 700 (40%).

China Rankings-*All categories*

	JBR	%	CMJ	%	CJNM	%
2010	410	69	29	4.9	120	20.2
2011	322	52.6	38	6.1	60	9.6
2012	180	30.9	54	9.3	50	8.6
2013	203	34.4	50	8.5	59	10

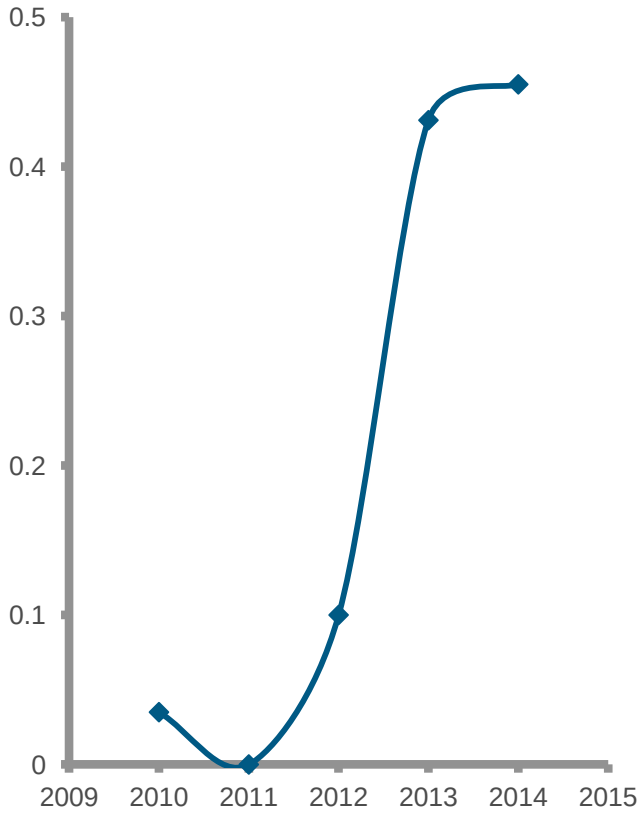
Note: Because SCOPUS mixes up J Biomed Res for J NJMU, tranking for 2013 for JBR is higher.

China Rankings-*Medicine*

	JBR	CMJ
2010	32/58	3/58
2011	13/57	3/57
2012	6/57	4/57
2013	6/59	4/59

Note: For the year 2014, we project that JBR will rank No. 1 in the category of Medicine among China journals.

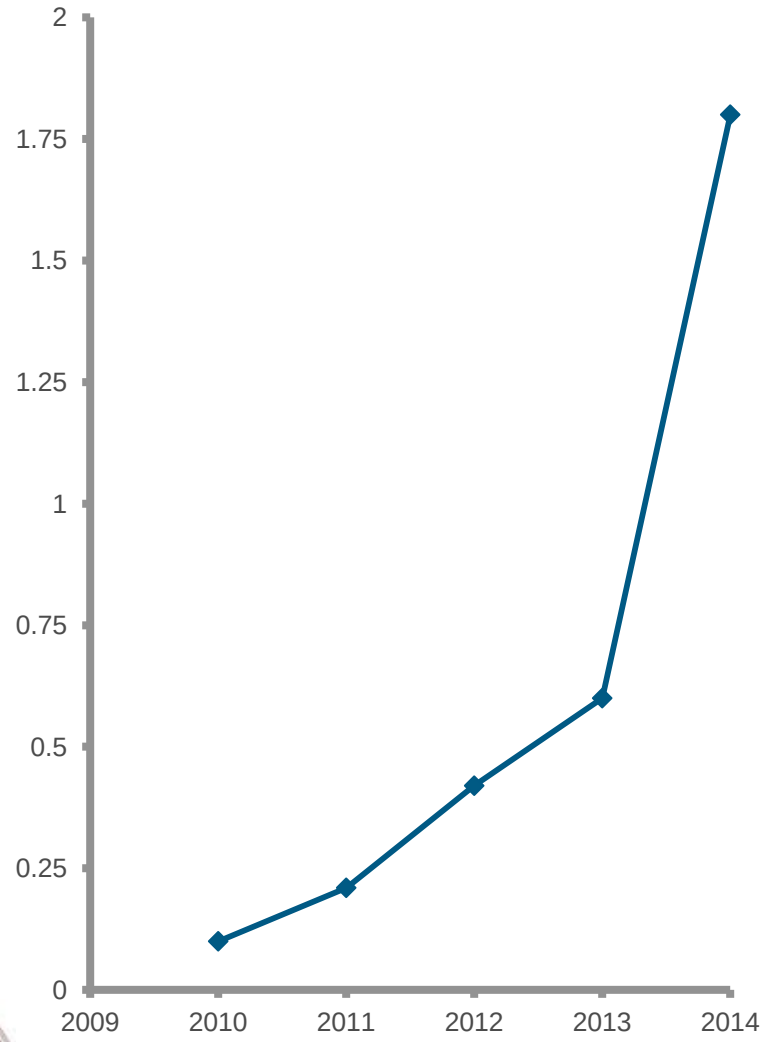
Current Year Impact Factor



	IF	Total cites
2010	0.035	2
2011	0	0
2012	0.1	10
2013	0.431	22
2014	0.455	15

Note: For 2014, the data covers the first 9 months of the year.

Two Year Impact Factor



2010	0.10	?
2011	0.21	?
2012	0.42	47
2013	0.60	69
2014	1.8	197

Note: For 2014, the data covers the first 9 months of the year.

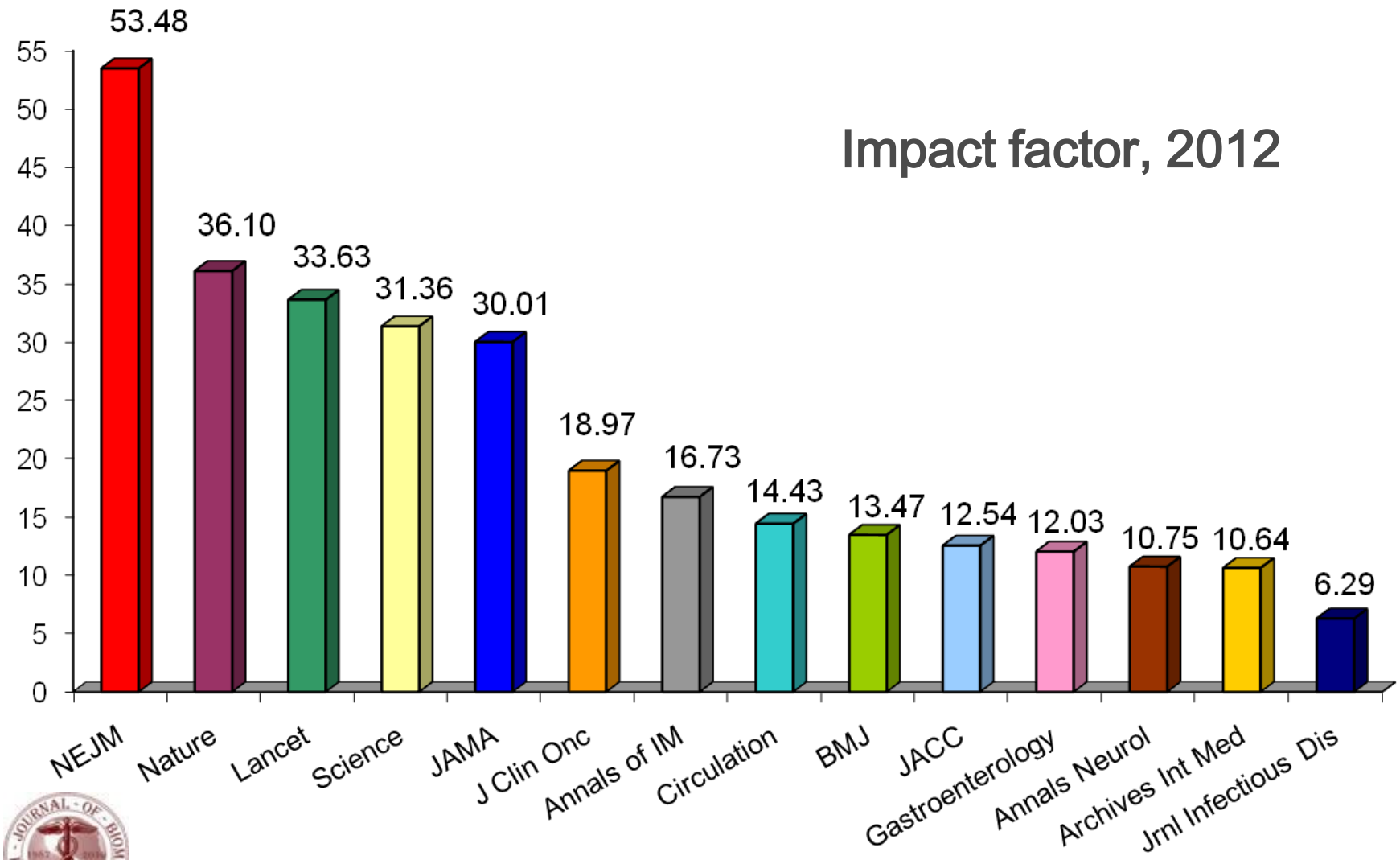
Journal citation data

	2010	2011	2012	2013	2014
2010	2	NC	37	NC	NC
2011		0	10	20	NC
2012			6	49	81
2013				22	116
2014					15

Note: For 2014, the data covers the first 9 months of the year.

Data from Google Scholar
NC, not counted

Our competitors



Aim of the Journal

- We are currently transitioning to coverage of clinically oriented investigations.

Diversify Journal Article Types

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

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The Editorial Team

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Harvard Medical School

2010 and 2011

Editor-in-Chief

Dr. Qi Chen,

Nanjing Medical University

2010 – present

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Nanjing Medical University

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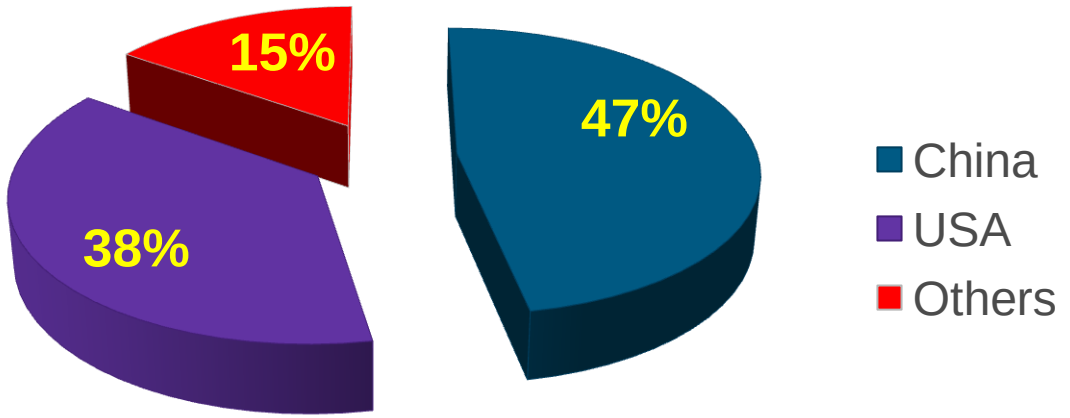
The Editorial Team

- We are transitioning to a system of associated editors.

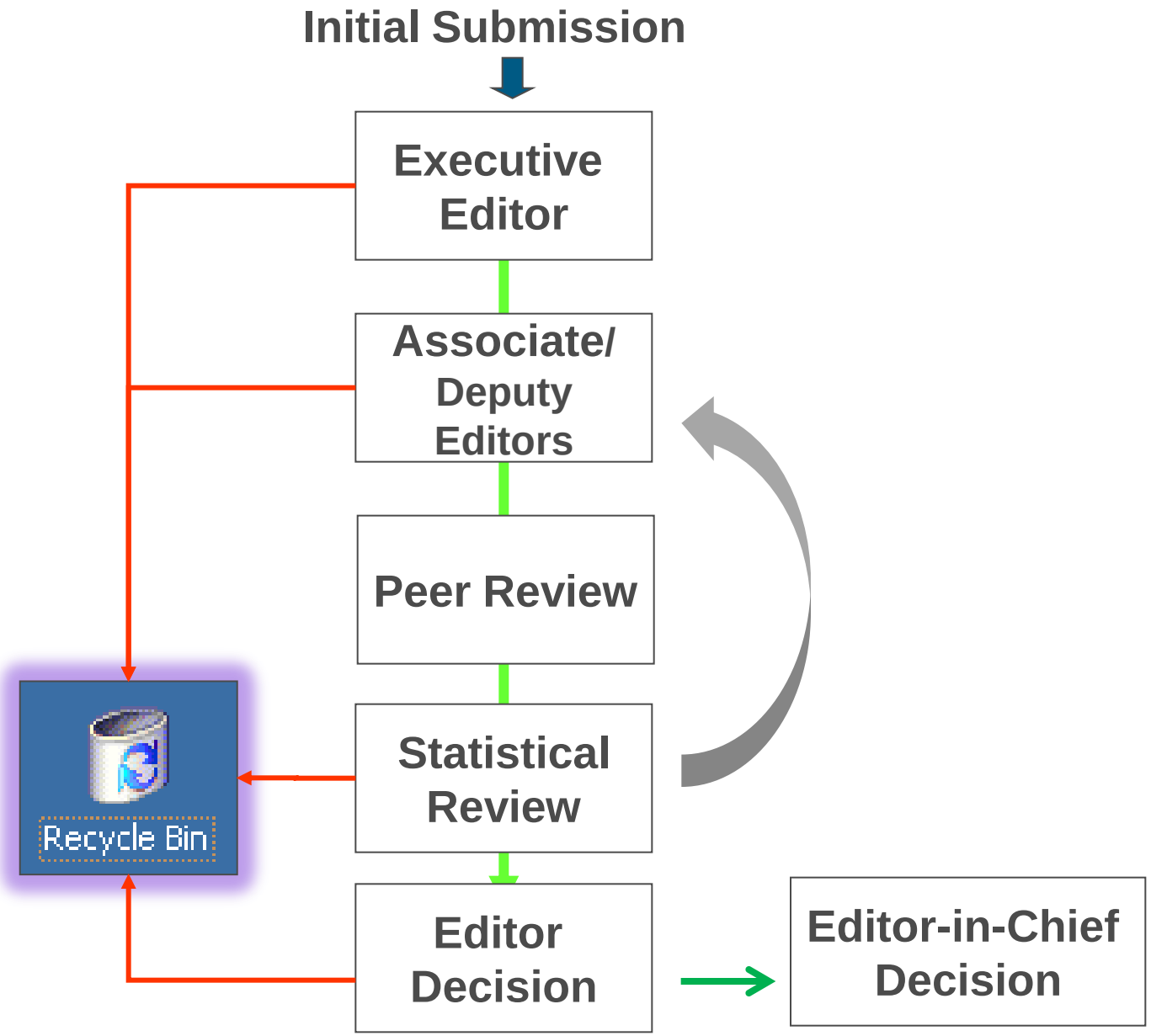
The Editorial Board

83 board members from 11 countries:

China	UK	Sweden
USA	Egypt	Thailand
Canada	Germany	Saudi Arabia
Australia		



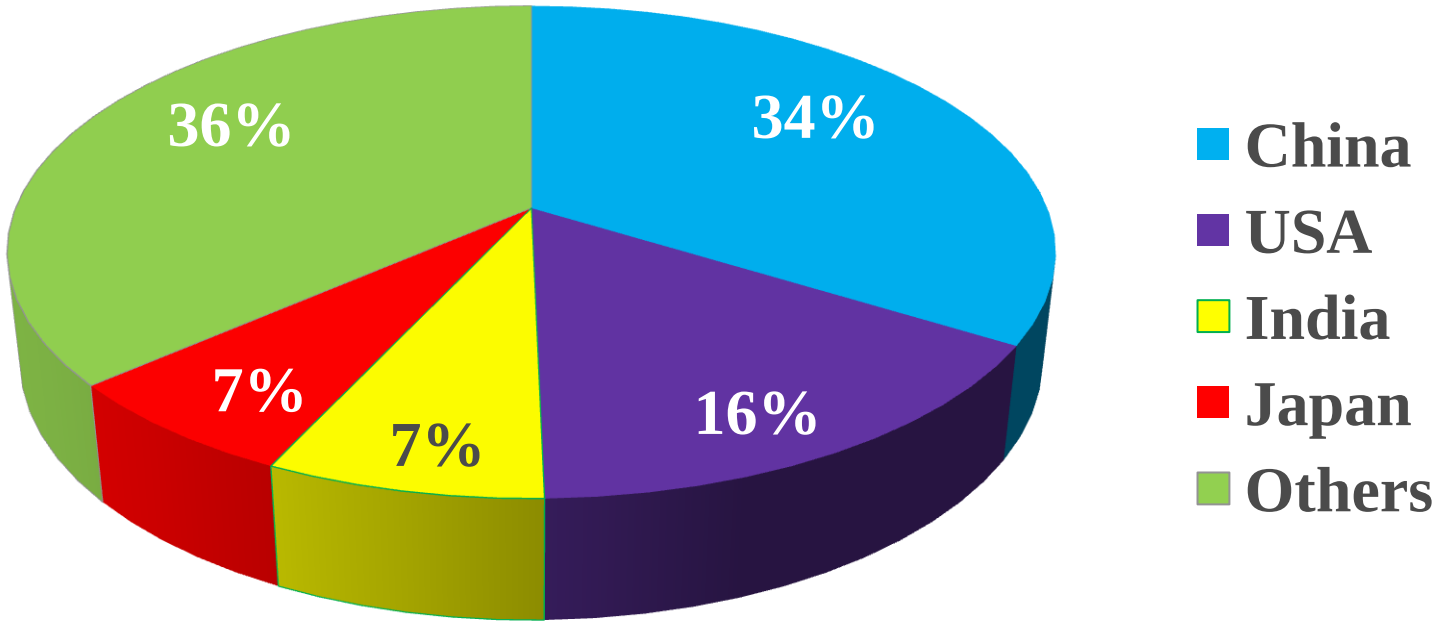
The Editorial Process



Peer Review

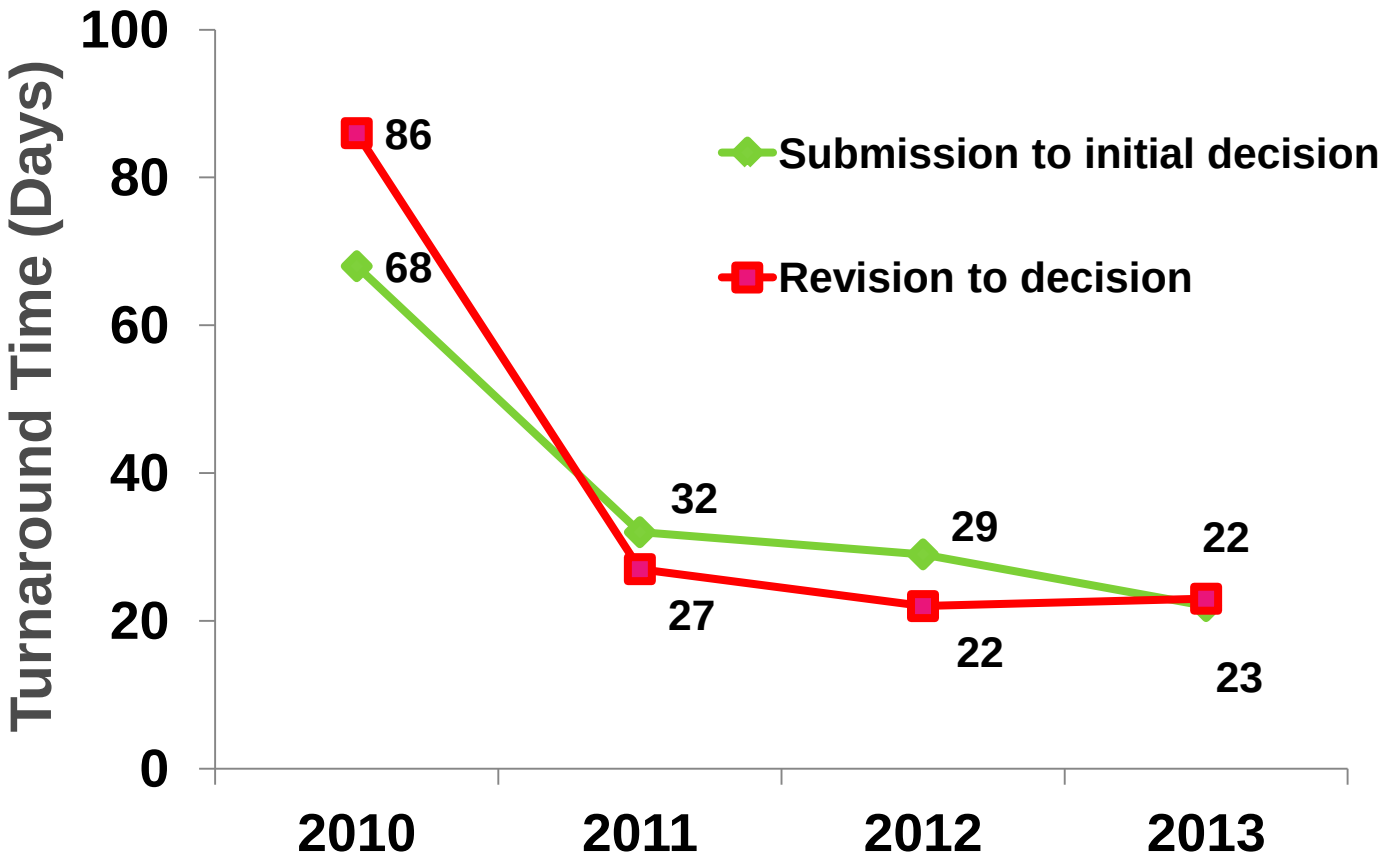
- Accuracy
- Novelty
- Importance
- Ethics

Peer Review



Totally: 151 from 31 countries for 2012

Timeliness


Turnaround Time (Days)
100
80
60
40
20
0
2010
2011
2012
2013
86
68
32
27
29
22
22
23
Submission to initial decision
Revision to decision

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Volume 27(3); May 2013

Case Report

Liquorrhoea associated with intrapelvic meningocele resection successfully treated by conservative therapy: a case report
Xiju Xie, Xiaodong Yang, Hao Xu, Feng Wang, Youfang Hu
J Biomed Res. 2013 May; 27(3): 239–241. Published online 2012 June 30. doi: 10.7555/JBR.27.20120017
PMCID: PMC3664731
Article PubReader PDF–1.7M

Editorial

Human genome epidemiology, progress and future
Hongbing Shen, Guangfu Jin
J Biomed Res. 2013 May; 27(3): 167–169. Published online 2013 May 25. doi: 10.7555/JBR.27.20130040
PMCID: PMC3664722
Article PubReader PDF–908K

Invited Reviews

Bladder cancer epidemiology and genetic susceptibility
Haiyan Chu, Meilin Wang, Zhengdong Zhang
J Biomed Res. 2013 May; 27(3): 170–178. Published online 2013 March 25. doi: 10.7555/JBR.27.20130026
PMCID: PMC3664723
Article PubReader PDF–1.0M

Molecular epidemiology of DNA repair gene polymorphisms and head and neck cancer
Meilin Wang, Haiyan Chu, Zhengdong Zhang, Qingyi Wei
J Biomed Res. 2013 May; 27(3): 179–192. Published online 2013 April 16. doi: 10.7555/JBR.27.20130034
PMCID: PMC3664724

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J Biomed Res. 2010 Nov;24(6):424-35. doi: 10.1016/S1674-8301(10)60057-7.

Decoupling of DNA damage response signaling from DNA damages underlies temozolomide resistance in glioblastoma cells.

Cui B, Johnson SP, Bullock N, Ali-Osman F, Bigner DD, Friedman HS.

Departments of Surgery.

Abstract

Glioblastoma multiforme (GBM) is the most aggressive primary brain tumor in adults. Current therapy includes surgery, radiation and chemotherapy with temozolomide (TMZ). Major determinants of clinical response to TMZ include methylation status of the O6-methylguanine-DNA methyltransferase (MGMT) promoter and mismatch repair (MMR) status. Though the MGMT promoter is methylated in 45% of cases, for the first nine months of follow-up, TMZ does not change survival outcome. Furthermore, MMR deficiency makes little contribution to clinical resistance, suggesting that there exist unrecognized mechanisms of resistance. We generated paired GBM cell lines whose resistance was attributed to neither MGMT nor MMR. We show that, responding to TMZ, these cells exhibit a decoupling of DNA damage response (DDR) from ongoing DNA damages. They display methylation-resistant synthesis in which ongoing DNA synthesis is not inhibited. They are also defective in the activation of the S and G2 phase checkpoint. DDR proteins ATM, Chk2, MDC1, NBS1 and gammaH2AX also fail to form discrete foci. These results demonstrate that failure of DDR may play an active role in chemoresistance to TMZ. DNA damages by TMZ are repaired by MMR proteins in a futile, reiterative process, which activates DDR signaling network that ultimately leads to the onset of cell death. GBM cells may survive genetic insults in the absence of DDR. We anticipate that our findings will lead to more studies that seek to further define the role of DDR in ultimately determining the fate of a tumor cell in response to TMZ and other DNA methylators.

KEYWORDS: DNA damage response, glioblastomas multiforme, resistance, temozolomide

PMID: 23554659 [PubMed] PMCID: PMC3596690 Free PMC Article

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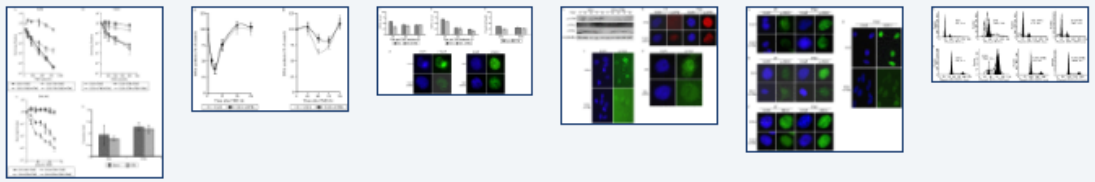

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Cryptosporidiosis-an overview
GJ Leitch, Q He - Journal of biomedical research, 2012 - Elsevier
Apicomplexan protozoan parasites of the genus Cryptosporidium infect the gastrointestinal tract and lungs of a wide variety of animals, including humans. The majority of human infections are due to either Cryptosporidium hominis (C. hominis) and/or Cryptosporidium ...
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Antibacterial activity of calcium hydroxide combined with chitosan solutions and the outcomes on the bond strength of RealSeal sealer to radicular dentin
SE Elsaka, AM Elnaghy - Journal of biomedical research, 2012 - Elsevier
The purpose of this study was to investigate the antibacterial activity of calcium hydroxide [Ca (OH) 2] combined with chitosan solutions against Enterococcus faecalis-infected root canal dentin and the effect of this new intracanal medicament on the bond strength of ...
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J Cai, Y Sheng, S Zhang, W Sun, R Yang... - ... of biomedical research, 2012 - Elsevier
We sought to evaluate the feasibility and hemodynamic performance of a new self-expanding bioprosthesis and 16-F delivery system in sheep. A 23-mm new self-expanding aortic bioprosthesis was implanted in sheep (n= 10) with a 16-F catheter via the right ...
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HESA Baieth, IS Elashmawi - Journal of biomedical research, 2012 - Elsevier
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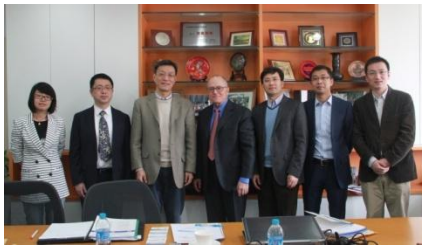
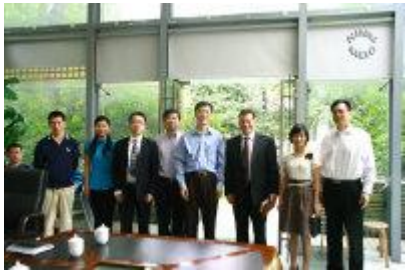
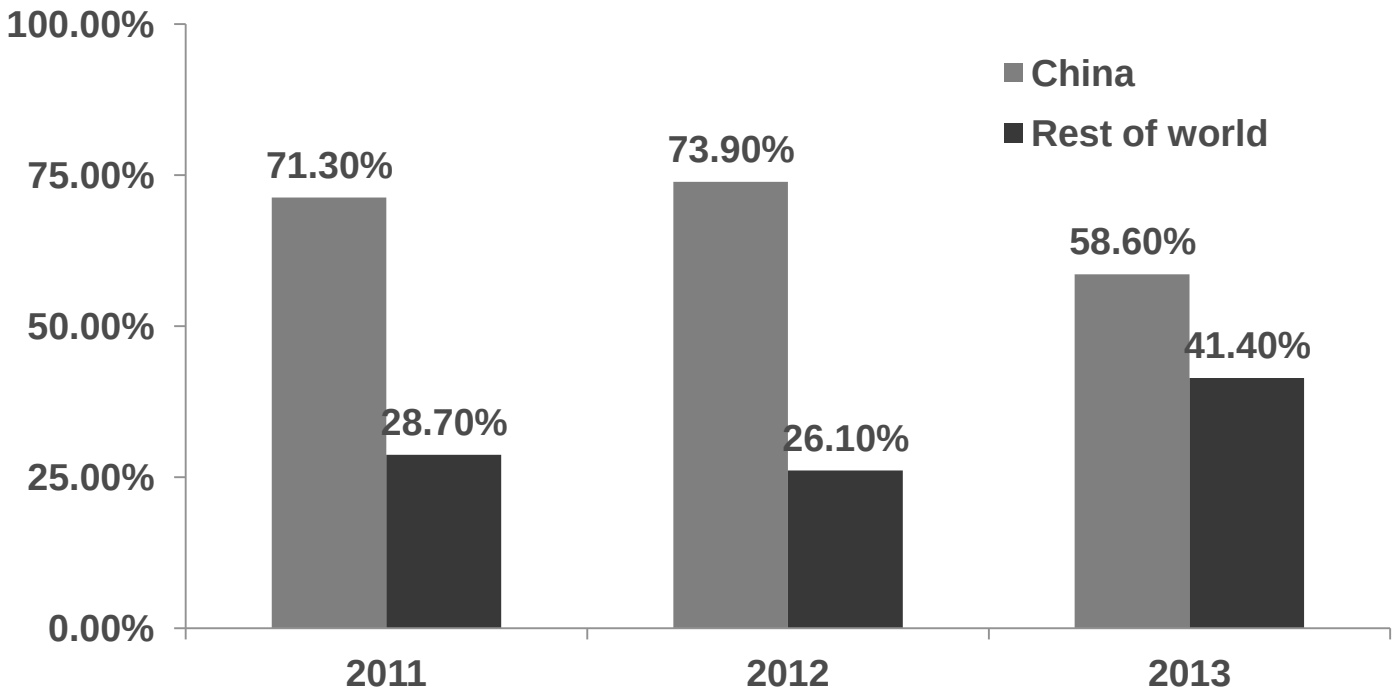
Active promotion of the journal





Proactive

Journal statistics-sources of manuscripts



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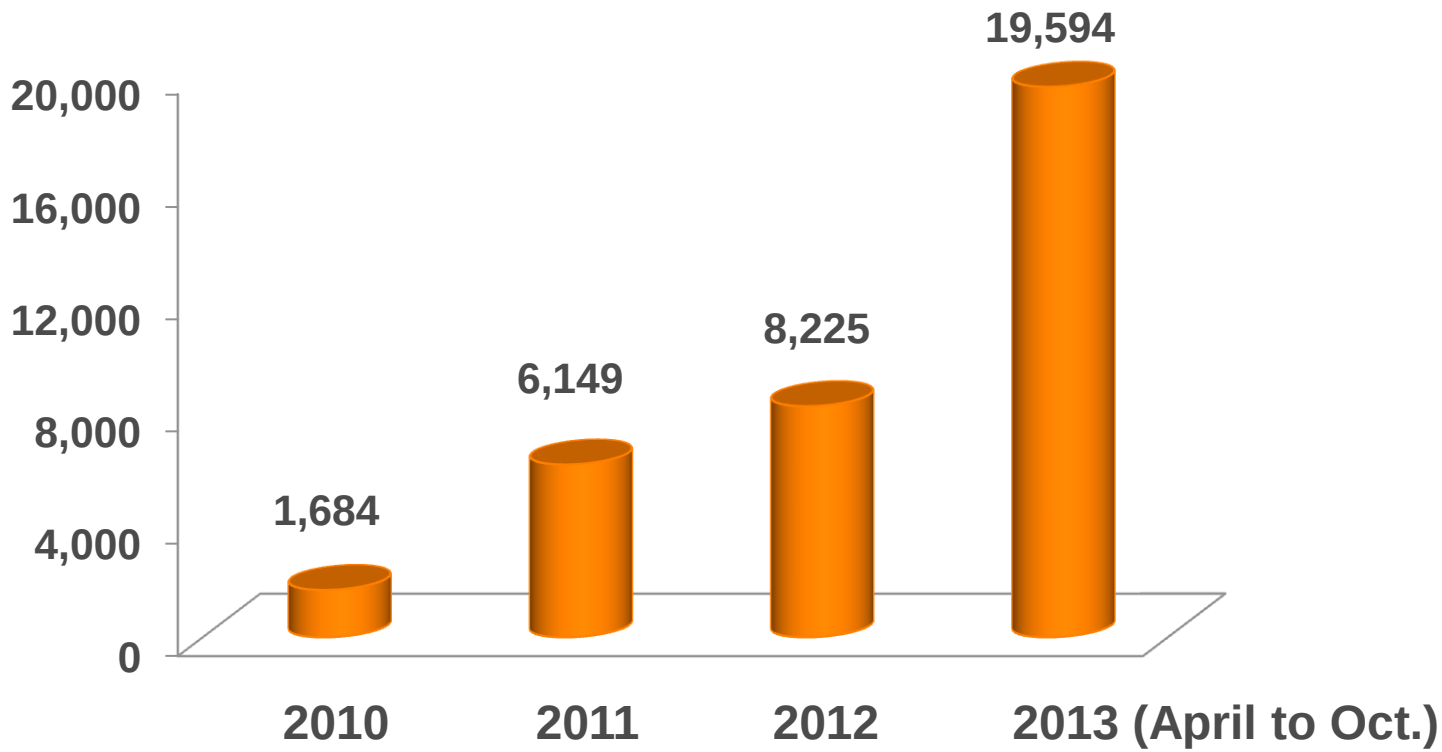

Monthly PDF download has increased 20 fold from 2010 and 4 fold from 2012.

Current efforts

- Build high impact content.
- Broaden sources of authorship.
- Promote journal brand and boost readership.
- Optimize web design.

Figure 1.4. **Top 20 publishing cities 2004–2008, and their growth since 1996–2000.**[126]

Key City with highest publication output in the period 2004-2008; growth is since period 1996-2000.

- Decreased or stayed constant
- Increased 5-10 places
- Increased 10-20 places
- Increased 20+ places

Knowledge, Networks and Nations: Global scientific collaboration in the 21st century
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Issued: March 2011 DES2096
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Thank you!