

SciELO Project FAPESP Special Program

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Pan American Health Organization | World Health Organization

Workshop Essential Rare Works Collection in Biodiversity: governance, operation and digitization, São Paulo, 3-5 February 2010

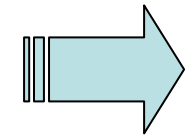
Why SciELO ?

SciELO : fundamentals and goals

Scientific communication

science is published science

article publishing is integral part of
scientific communication



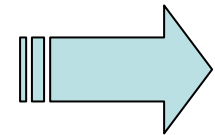
authors/researchers/scientists expects that
their articles would be read and cited

scientific journals are the most important way
to communicate scientific research

good science --- good journals --- challenge
for developing countries

SciELO : fundamentals and goals

many developing countries have successfully developed their research infrastructures in different dimensions such as, human and financial resources, formulation, review and development of research projects, publication of their results, preferably in journals of the called main stream



however, they face difficulties and barriers to publish quality journals when compared with the developed countries as evidenced by the relationship between the proportion of articles published in the WoS and JCR titles

SciELO : fundamental and goals

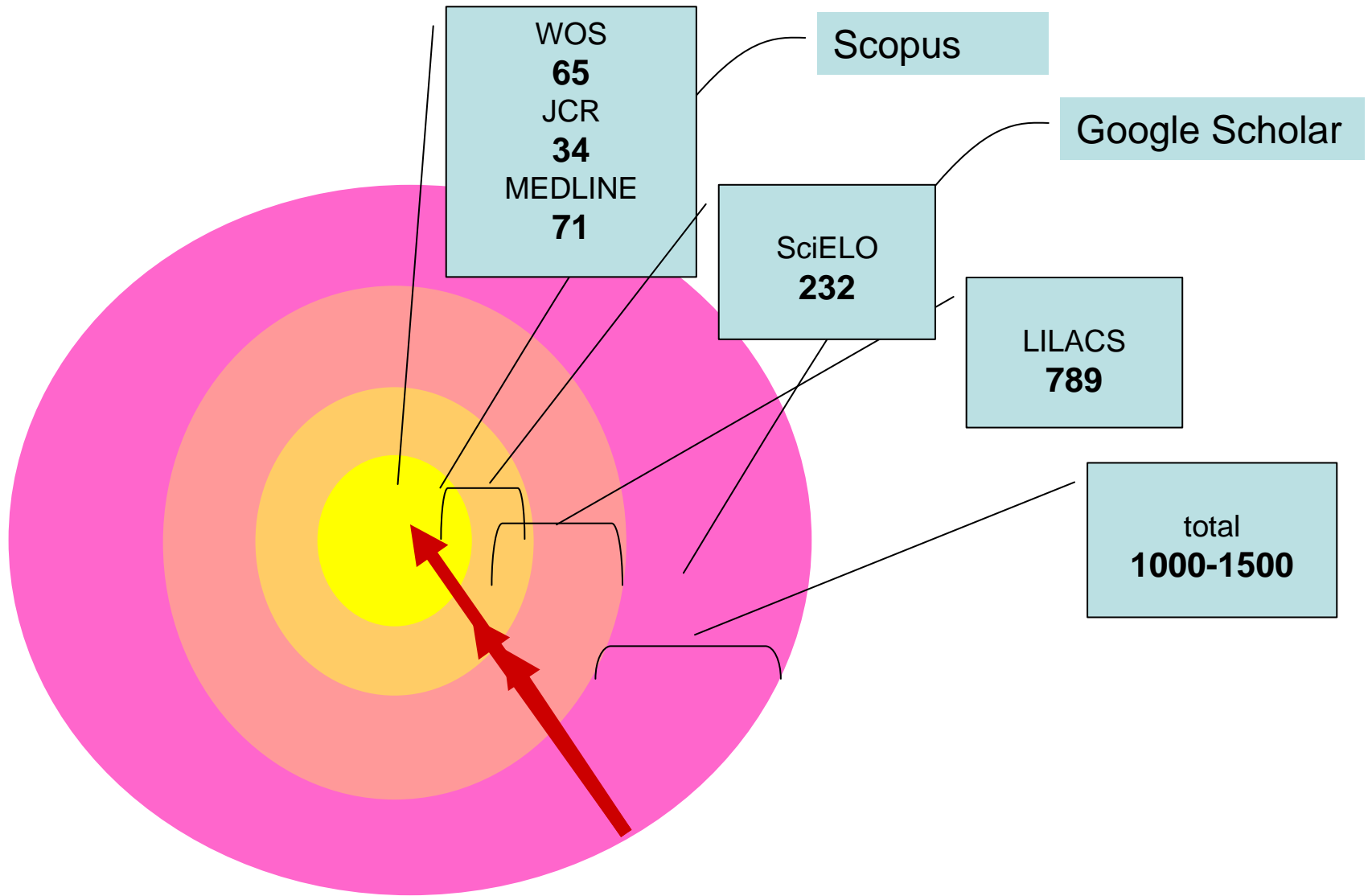
Pais	Periódicos en JCR		Artigos en WoS		(b)/(d)
	total (a)	% (b)	total (c)	% (d)	
Holanda	571	9.58	21,346	2.02	4.74
Inglaterra	1235	20.69	65,880	6.22	3.33
EUA	2288	38.33	313,625	29.61	1.29
Alemanha	427	7.16	69,808	6.59	1.09
França	143	2.4	47,955	4.53	0.53
Australia	60	1.01	23,746	2.24	0.45
Chile	8	0.13	2,419	0.23	0.57
India	47	0.79	20,299	1.92	0.41
China	71	1.19	51,219	4.84	0.25
Brasil	16	0.27	14,502	1.37	0.20
Argentina	5	0.08	4,516	0.43	0.19
México	7	0.12	7,659	0.72	0.17

1,90

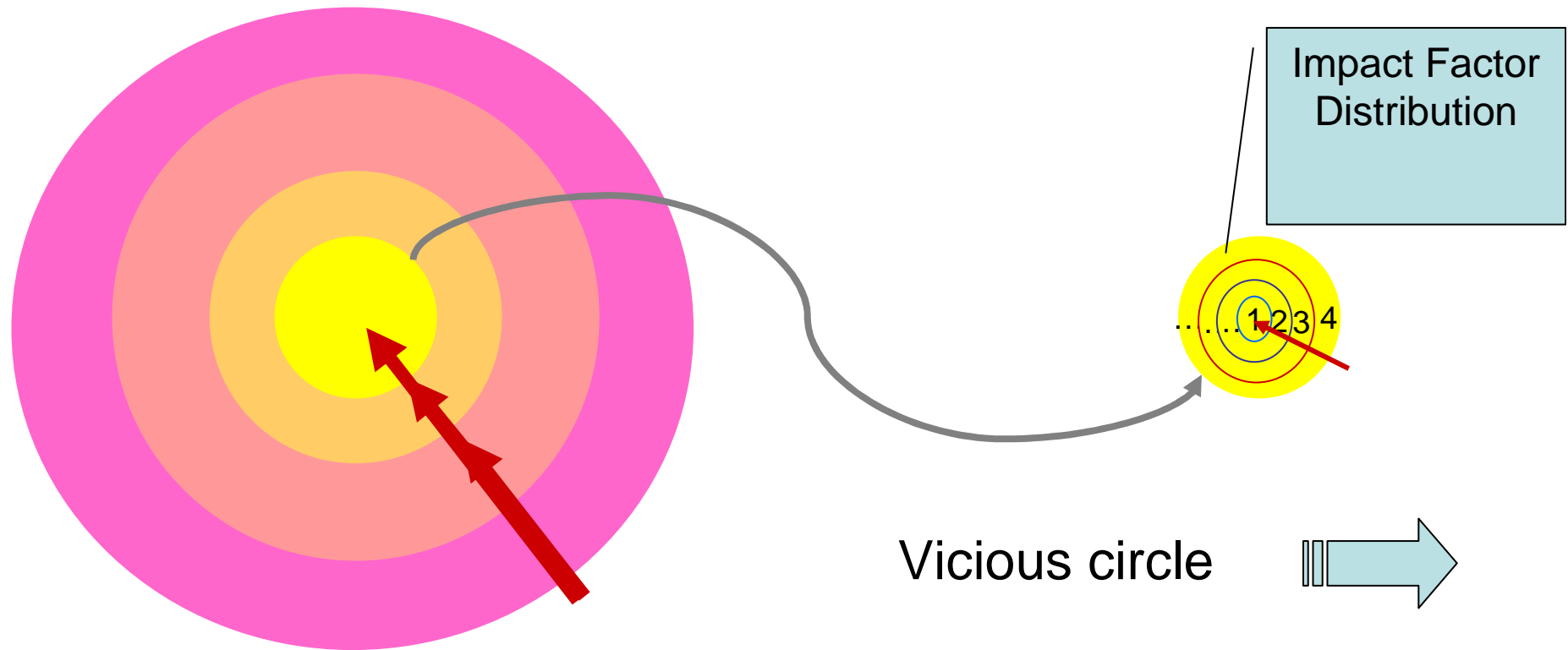
> 6,3

0,30

Representación de la capacidad de publicación de los países según el número de revistas en el JCR, normalizado por artículos en el WOS
 ISI Thomsom Scientific, 2004 Edition, Abel L. Packer, Rogério Meneghini, 2006



Indexing structure of Health Sciences journals in AL&C
2008, BIREME/OPS/OMS



Quartil	Year															
	1998		1999		2000		2001		2002		2003		2004		Total	
	freq	%	freq	%	freq	%	freq	%	freq	%	freq	%	freq	%	freq	%
Q1		0%		0%		0%	2	4%	1	2%		0%	1	2%	4	1%
Q2	3	6%	2	4%		0%	1	2%	5	9%	6	11%	3	6%	21	5%
Q3	10	20%	6	12%	13	26%	9	17%	10	18%	9	16%	14	26%	79	20%
Q4	36	73%	43	84%	37	74%	40	77%	39	71%	41	73%	36	67%	293	74%
Total	49	100%	51	100%	50	100%	52	100%	55	100%	56	100%	54	100%	397	100%

2005, Distribution of impact factor of LA&C journals indexed in ISI JCR,

SciELO: Specific Objective

To improve quality of national and regional scholarly journals

visibility

accessibility

quality

credibility

use

impact

Strategy:

publish online collections of selected journals in open access mode with integrated measure of use and impact

quality criteria to select/index journals complementing international indexes

links from articles with national and international information sources

move journals from the status of local and regional towards the international flow of scientific information

SciELO as a meta publisher

2005 – NIH Public Acces Policy

2003 – Directory of Open Acces Journal

2002 – HINARI

2001 – PLOS – Letter, Journal site in 2002

2000 – PubMed Central
BioMed Central

1999 – OAI

1998 – Virtual Health Library

1997 - SciELO Brazil, Chile
PubMed - MEDLINE
with open access

1993 – Bioline International

1991 – arXiv

OA - time line

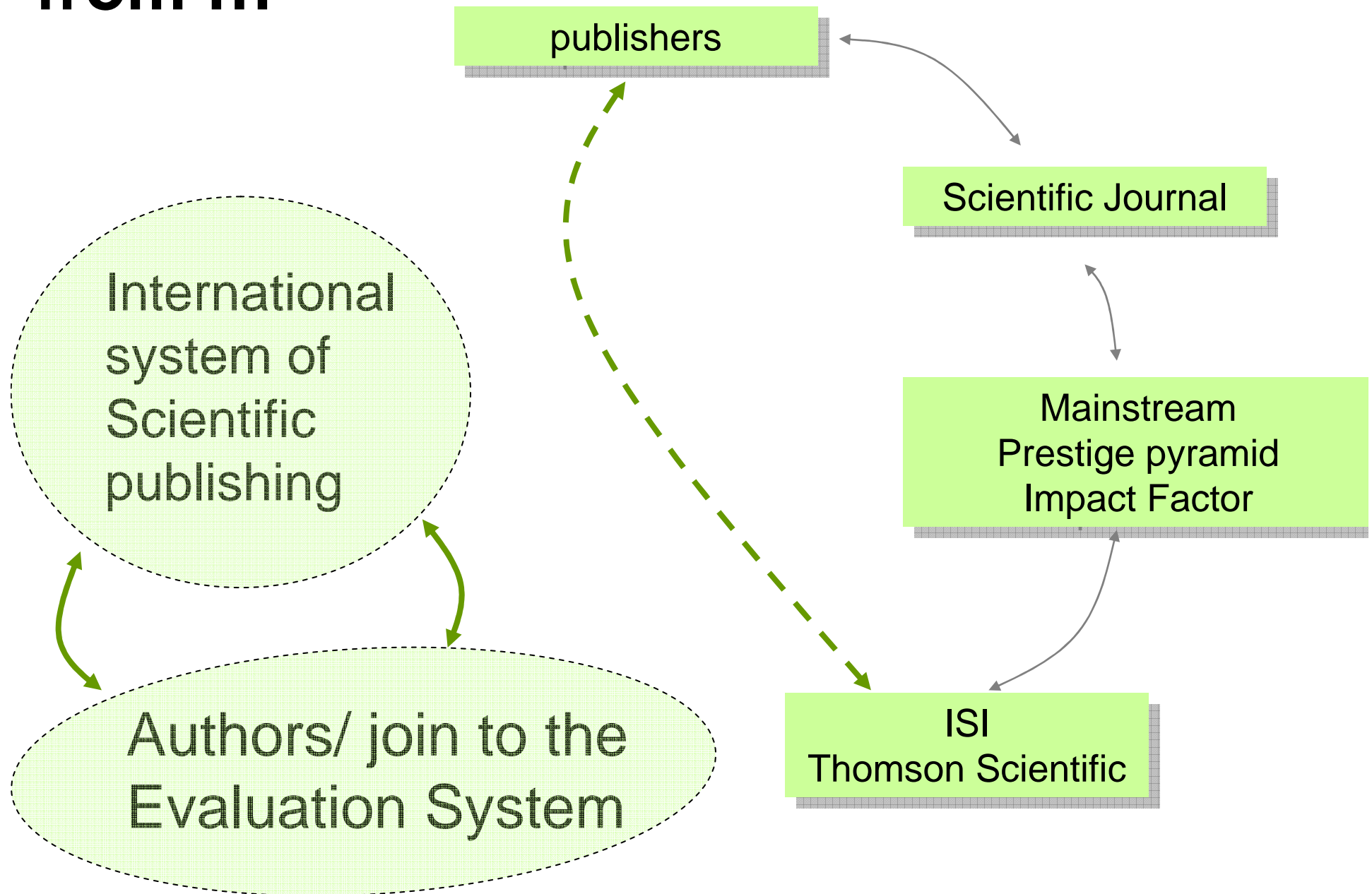
2005 sep
Salvador Declaration on Open
Access: the developing world
perspective

2003 oct
Berlin Declaration on Open
Access to Knowledge in the
Sciences and Humanities

2003 jun
Bethesda Statement on Open
Access Publishing

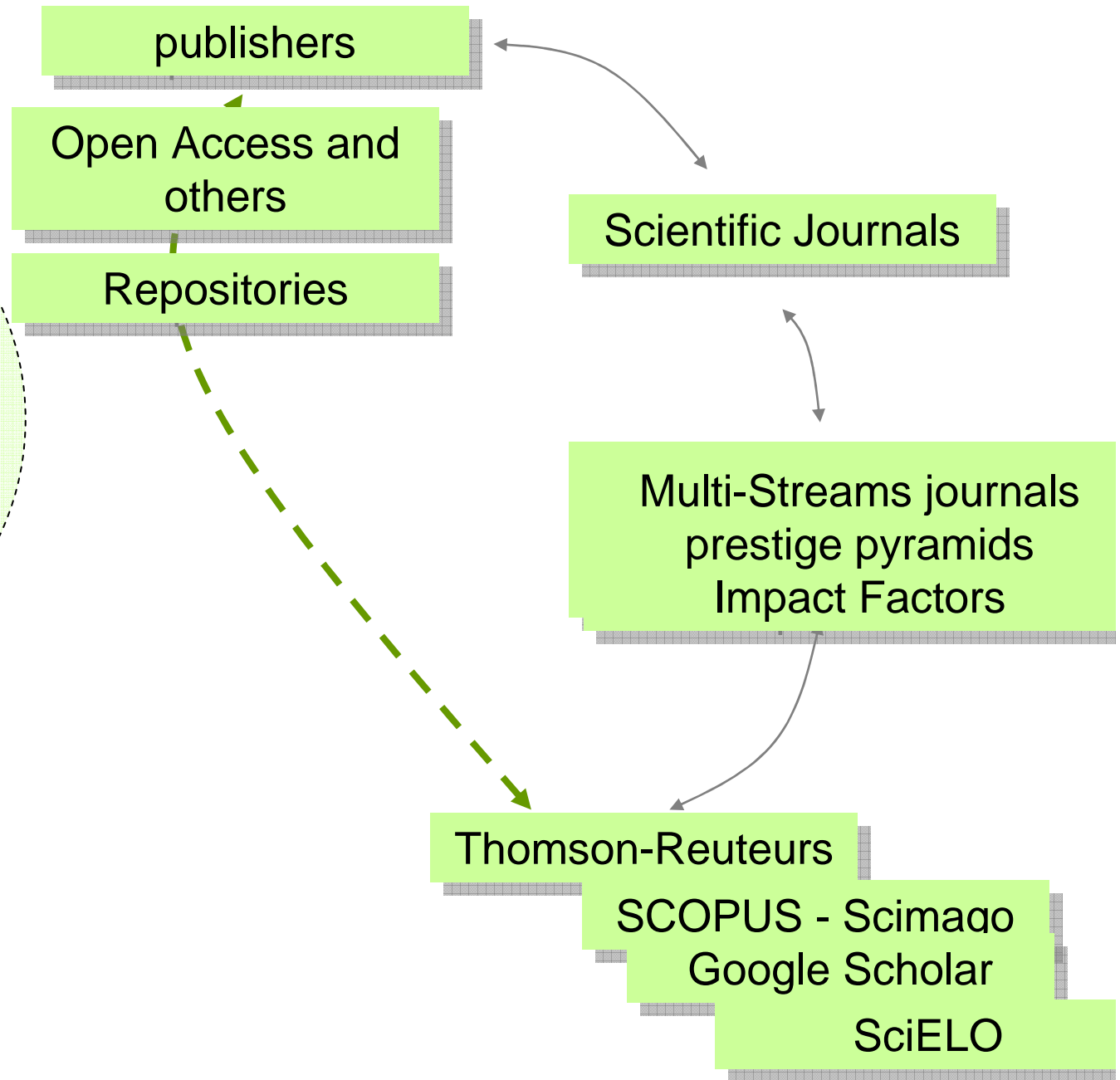
2002 feb
Budapest Open Access Initiative

from ...



towards ...

New
global
system of
scientific
publishing



SciELO Network

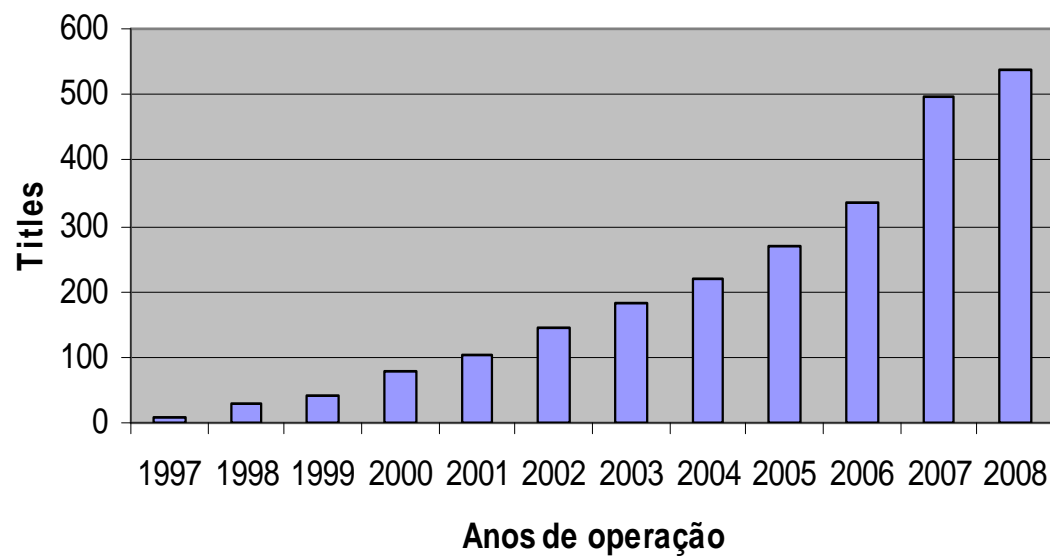
(national collections)



Certified			in development		
Collections	Start	Title	Collections	Start	Titles
Argentina	2004	56	Bolivia	2009	8
Brasil	1997	227	Costa Rica	2000	9
Chile	1998	85	Mexico	2003	38
Colombia	2004	68	Paraguay	2007	3
Cuba	2001	30	South Africa	2009	7
Portugal	2004	27	Peru	2004	12
Venezuela	2000	49	Uruguay	2005	7
Espanha	2001	41	West Indian	2006	1
Sáúde Pública	2000	11	Total		85
Social Sciences	2006	29			
Total		623			

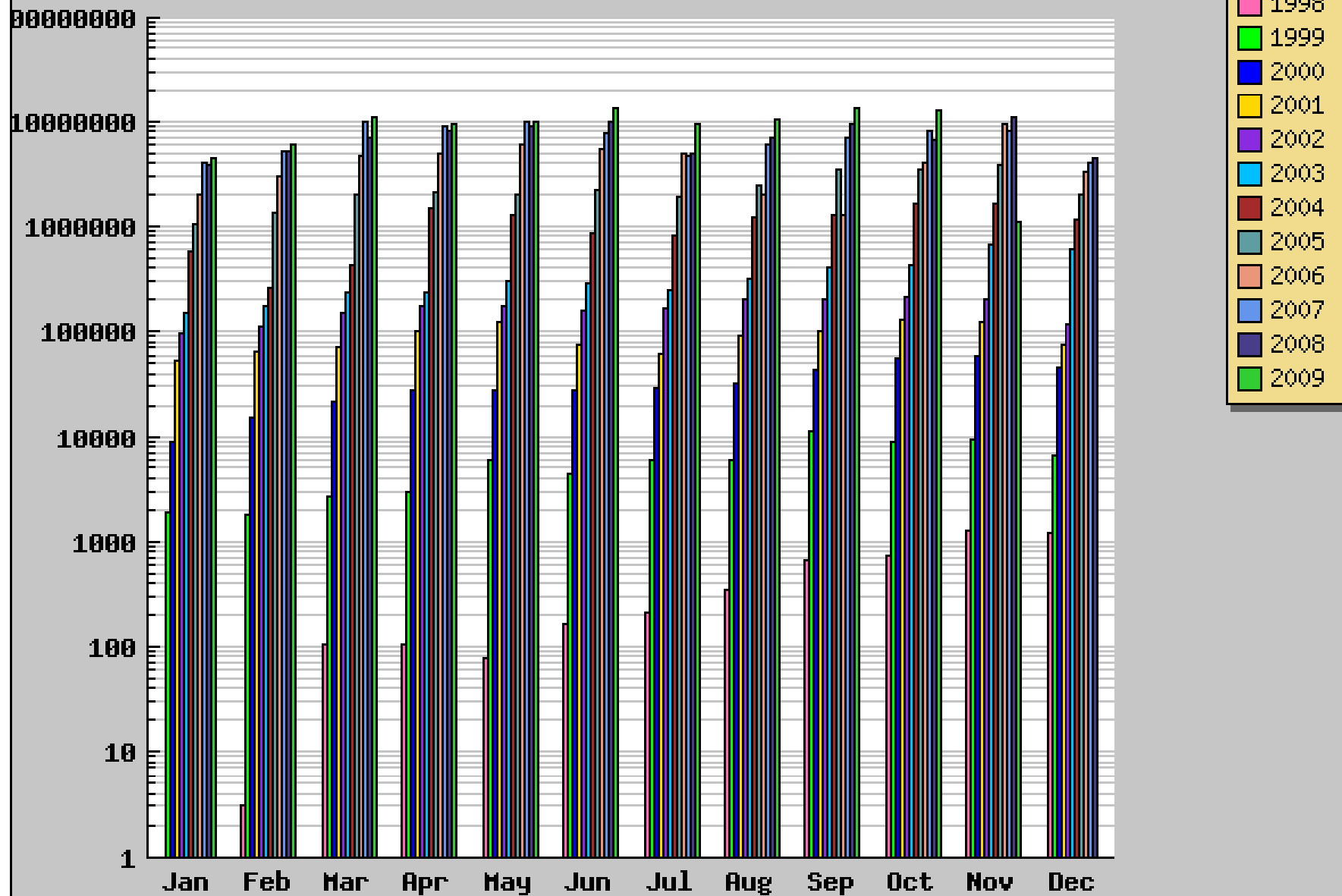
SciELO Network January 2010

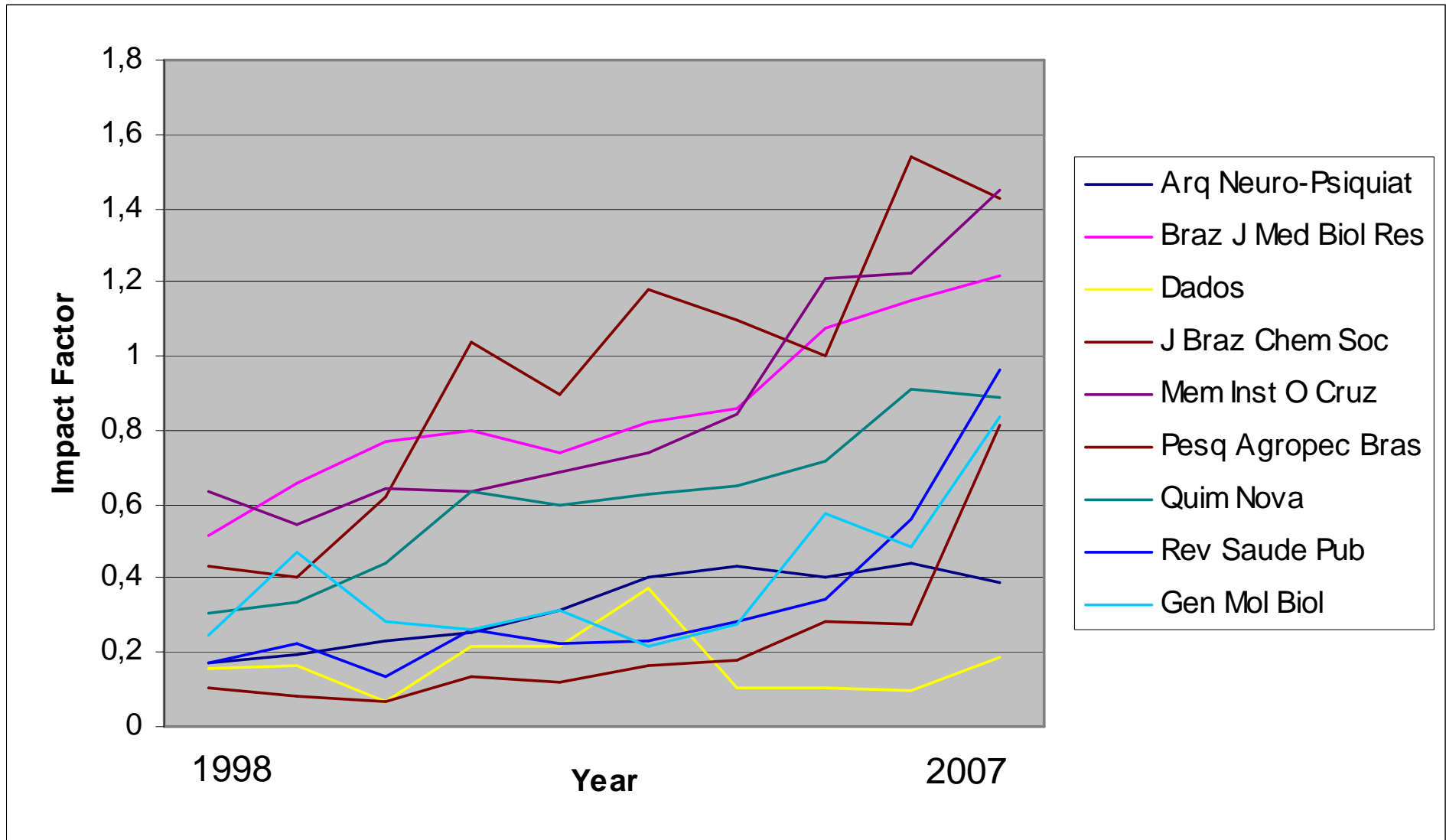
SciELO - evolution of number of titles



Country collection	number of titles		
	total	IF Up	%
Brazil	192	164	85%
Chile	69	61	88%
Argentina	59	55	93%
Colombia	51	50	98%
Venezuela	37	27	73%
Spain	34	32	94%
Cuba	25	19	76%

Número de artigos visitados por mes (log scale)





Distribution of the JCR Impact Factor of SciELO journals in JCR from 1998 to 2007, with an average increase of 244%.

Journal title indexed in JCR	Impact Factor 2008					
	JCR	SciELO	JCR + SciELO	% added by SciELO non JCR	#	Per - centil
DADOS REVISTA DE CIENCIAS SOCIAIS	0,189	0,302	0,396	110%	1	4%
REVISTA DE SAUDE PUBLICA	0,963	0,787	1,574	63%	2	7%
IHERINGIA SERIE ZOOLOGIA	0,194	0,137	0,295	52%	3	11%
REVISTA BRASILEIRA DE ZOOLOGIA	0,403	0,228	0,505	25%	4	14%
NEOTROPICAL ENTOMOLOGY	0,460	0,179	0,572	24%	5	18%
PESQUISA AGROPECUARIA BRASILEIRA	0,645	0,500	0,788	22%	6	21%
REVISTA BRASILEIRA DE PSIQUIATRIA	1,318	0,752	1,597	21%	7	25%
REVISTA BRASILEIRA DE CIENCIA DO SOLO	0,660	0,732	0,777	18%	8	29%
REVISTA BRASILEIRA DE ENTOMOLOGIA	0,354	0,197	0,415	17%	9	32%
NEOTROPICAL ICHTHYOLOGY	0,856	0,423	0,991	16%	10	36%
ARQUIVOS DE NEURO-PSIQUIATRIA	0,388	0,164	0,443	14%	11	39%
REVISTA DA SOCIEDADE BRASILEIRA DE MEDICINA TROPICAL	0,914	0,366	1,041	14%	12	43%
SCIENTIA AGRICOLA	0,700	0,359	0,782	12%	13	46%
REVISTA BRASILEIRA DE ZOOTECNIA	0,463	0,405	0,517	12%	14	50%
PESQUISA VETERINARIA BRASILEIRA	0,425	0,323	0,465	9%	15	54%
QUIMICA NOVA	0,891	0,434	0,954	7%	16	57%
MEMORIAS DO INSTITUTO OSWALDO CRUZ	1,450	0,432	1,548	7%	17	61%
ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS	0,881	0,167	0,937	6%	18	64%
BRAZILIAN JOURNAL OF MEDICAL AND BIOLOGICAL RESEARCH	1,215	0,179	1,287	6%	19	68%
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY	0,353	0,150	0,373	6%	20	71%
ARQUIVO BRASILEIRO DE MEDICINA VETERINARIA E ZOOTECNIA	0,499	0,417	0,525	5%	21	75%
GENETICS AND MOLECULAR BIOLOGY	0,576	0,132	0,603	5%	22	79%
BRAZILIAN JOURNAL OF MICROBIOLOGY	0,548	0,230	0,571	4%	23	82%
BRAZILIAN JOURNAL OF OCEANOGRAPHY	0,482	0,179	0,500	4%	24	86%
JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY	1,430	0,328	1,456	2%	25	89%
BRAZILIAN JOURNAL OF CHEMICAL ENGINEERING	0,475	0,085	0,483	2%	26	93%
BRAZILIAN JOURNAL OF PHYSICS	0,512	0,029	0,512	0%	27	96%
JOURNAL OF VENOMOUS ANIMALS AND TOXINS INCLUDING	0,337	0,214	0,337	0%	28	100%
BULLETIN OF THE BRAZILIAN MATHEMATICAL SOCIETY	0,007	0,000	0,007	0%	29	100%

New developments

SciELO Online submission system

SciELO eBooks

SciELO Biodiversity

Thank you !