

# Auto-citação – distribuição global

## Seminário sobre o desempenho dos periódicos brasileiros no JCR 2009

Félix de Moya Anegón  
SCImago Research Group  
CSIC/CCHS/IPP  
SPAIN



# The self citation following ISI

- ▶ We found that self-citation rate shows only a weak correlation with the impact and subject of a journal. There is also a weak correlation between self-citation rate and the size or specificity of the category (categories) assigned to a journal. Self-citation appears to be a characteristic largely at the level of the individual title, and must be considered only in the context of the title's particular content and history. **The removal of self-citations from Impact Factor calculation had little effect on the relative rank of high impact journals.** Some journals with lower Impact Factors and rank in category did show more dependence on the contribution of self-citations, but **only a small proportion of journals show significant changes in quartile rank following the removal of self-citations.**



# The self citation following ISI

- ▶ Thomson Reuters is aware that some journals have used extensive reference to their prior content to influence their citation metrics. The contribution of so-called journal self-citation has been included in *Journal Citation Reports* since it first appeared in 1975. In recent years, these data have been made more prominent to inform our subscribers of the effects of journal self-citation.

Thomson Reuters also **reviews self-citation data for journals in which an exceptionally high self-citation rate artificially influences the impact factor and therefore belies its contribution to the scientific literature**. The role of a journal's impact factor as an objective and integral measure becomes questionable at this level of self-citation.

Some journals received no listing in *Journal Citation Reports* last year because of exceptionally high self-citation counts; their titles are listed in the Notices file on the journal's website. Journal self-citations will be reviewed each year. Once the problem of excessive self-citation resolves and we can publish an accurate impact factor, the titles will again appear in the journal.



# The self citation following ISI

- ▶ Due to the significant effect of self citations on their Impact Factors, metrics for a number of titles were not published in the 2009 JCR. Suppressed titles were found to have exceptionally high self citation rate, some over 90% This level of self citation has a profound effect on the rank of the journal in its category and does not reflect accurately the journal's true participation, by way of citation, in the scholarly literature of its subject. **The meaning of Impact Factor as an objective and integral measure of a journal's participation in the scholarly literature on a particular subject becomes questionable at this level of self citation.** JCR Staff will monitor these journals going forward and the titles will be re-listed in a future edition of JCR when the problem of excessive self citations has been resolved. In the meantime, coverage of these journals in Web of Science and other Thomson Reuters products is not changed.
- ▶ (\*) The current notice in the JCR include a list of 26 suppressed journals



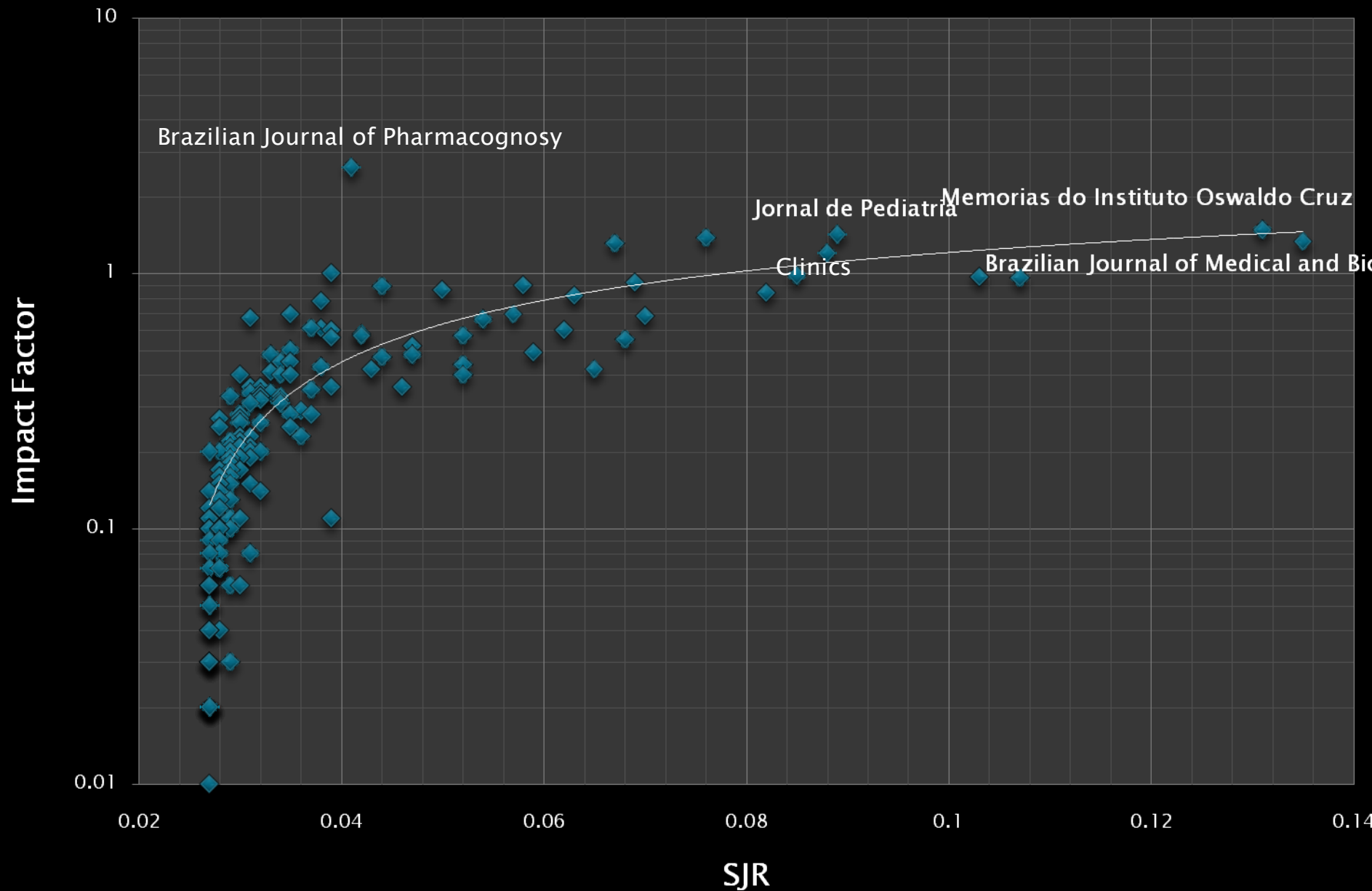
# Alternatives:

## The SJR indicator and the self citation





















- ▶ We limit the self citation with the following method:
  - The limit is the 50% of citation excluding the self citation
  - Therefore, the SJR permit until the 33% of self referencing
- ▶ Is important limit in the future the journal self referencing (33%) in any case to avoid the excessive self citation in the high level journals.

Revistas brasileiras em el SJR							
Revistas brasileiras em el SJR	CITAS TOTALES	AUTOCITAS	MAXAUTOCITAS PERMITIDA	CITAS_TOTALES CORR	AUTOCITAS CORR	AUTOCITACION	AUTOCITACION CORR
Brazilian Journal of Pharmacognosy	230	209	10	31	10	90,87	32,26
Revista Brasileira de Ensino de Fisica	18	16	1	3	1	88,89	33,33
Planta Daninha	133	114	9	28	9	85,71	32,14
Brazilian Journal of Cardiovascular Surgery	28	24	2	6	2	85,71	33,33
Radiologia Brasileira	52	44	4	12	4	84,62	33,33
Journal of Epilepsy and Clinical Neurophysiology	27	22	2	7	2	81,48	28,57
Revista da Escola de Enfermagem da U S P	77	61	8	24	8	79,22	33,33
Online Brazilian Journal of Nursing	13	10	1	4	1	76,92	25
Educacao e Sociedade	16	12	2	6	2	75	33,33
IRRIGA	4	3	0	1	0	75	0
Psicologia e Sociedade	7	5	1	3	1	71,43	33,33
Revista Brasileira de Ginecologia e Obstetricia	32	22	5	15	5	68,75	33,33
Revista Brasileira de Zootecnia	414	274	70	210	70	66,18	33,33
Arquivo Brasileiro de Medicina Veterinaria e Zootecnia	272	176	48	144	48	64,71	33,33
Controle and Automacao	5	3	1	3	1	60	33,33
Journal of Venomous Animals and Toxins Including Tropical Diseases	34	20	7	21	7	58,82	33,33
Ceramica	29	17	6	18	6	58,62	33,33
Jornal Vascular Brasileiro	45	26	9	28	9	57,78	32,14
Revista Brasileira de Anestesiologia	48	27	10	31	10	56,25	32,26
Revista Brasileira de Fruticultura	52	29	11	34	11	55,77	32,35






















# Relación Factor de Impacto/SJR





	Title	SJR	H index	Total Docs. (2008)	Total Docs. (3years)	Total Refs.	Total Cites (3years)	Citable Docs. (3years)	Cites / Doc. (2years)	Ref. / Doc.	Country
1	Brazilian Journal of Pharmacognosy	0,041	12	123	93	4.642	231	89	2,60	37,74	
2	Memorias do Instituto Oswaldo Cruz	0,131	37	151	610	4.790	955	594	1,48	31,72	
3	Jornal de Pediatria	0,089	13	113	397	3.014	376	295	1,42	26,67	
4	Journal of the Brazilian Chemical Society	0,076	30	232	674	7.467	896	649	1,38	32,19	
5	Brazilian Journal of Medical and Biological Research	0,135	40	178	628	5.272	921	618	1,33	29,62	
6	Revista Brasileira de Psiquiatria	0,067	16	107	372	2.881	310	216	1,31	26,93	
7	Clinics (São Paulo, Brazil)	0,088	15	151	313	4.083	301	224	1,20	27,04	
8	Annual Review of Biomedical Sciences	0,039	5	20	14	1.584	10	12	1,00	79,20	
9	Revista do Instituto de Medicina Tropical de Sao Paulo	0,085	23	76	225	1.898	242	220	0,98	24,97	
10	Brasílian Journal of Plant Physiology	0,103	17	24	125	988	186	102	0,97	41,17	
11	Anais da Academia Brasileira de Ciencias	0,107	22	65	179	2.720	214	177	0,96	41,85	
12	Revista de Saude Publica	0,069	26	196	559	3.042	591	484	0,92	15,52	
13	Cadernos de saúde pública / Ministério da Saúde, Fundação Oswaldo Cruz, Escola Nacional de Saúde Pública	0,058	24	390	916	10.849	882	821	0,90	27,82	
14	Neotropical Ichthyology	0,044	7	73	112	2.208	99	111	0,89	30,25	
15	Química Nova	0,050	24	381	791	14.089	689	765	0,86	36,98	
16	International Braz J Urol	0,082	10	310	782	1.961	216	245	0,84	6,33	
17	Revista da Sociedade Brasileira de Medicina Tropical	0,063	21	166	445	3.377	367	431	0,82	20,34	
18	Phyllomedusa	0,038	4	10	42	333	29	41	0,78	33,30	
19	São Paulo medical journal = Revista paulista de medicina	0,057	16	78	283	1.627	160	244	0,69	20,86	
20	Revista Brasileira de Ciencia do Solo	0,035	12	215	375	7.024	318	373	0,69	32,67	



21	Genetics and Molecular Research	0,070	16	150	305	3.683	238	298	0,68	24,55	
22	Planta Daninha	0,031	6	101	199	2.529	133	199	0,67	25,04	
23	Arquivos brasileiros de endocrinologia e metabologia	0,054	10	206	500	7.459	301	436	0,66	36,21	
24	Scientia Agricola	0,038	7	112	175	3.092	104	171	0,61	27,61	
25	Pesquisa Agropecuaria Brasileira	0,037	16	240	671	5.692	427	669	0,61	23,72	
26	Genetics and Molecular Biology	0,062	20	154	400	5.175	279	394	0,60	33,60	
27	Ciencia e Saude Coletiva	0,039	7	253	325	6.484	162	272	0,60	25,63	
28	Jornal Brasileiro de Pneumologia	0,042	7	171	309	4.095	149	266	0,58	23,95	
29	Brazilian Journal of Microbiology	0,042	16	144	324	3.842	197	323	0,57	26,68	
30	Pesquisa odontologica brasileira = Brazilian oral research	0,052	10	70	175	1.501	121	167	0,57	21,44	
31	Bulletin of the Brazilian Mathematical Society	0,039	6	29	89	516	53	88	0,56	17,79	
32	The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases	0,068	17	125	326	3.104	238	313	0,55	24,83	
33	Brazilian dental journal	0,047	15	60	175	0	116	175	0,52	0,00	
34	Revista Brasileira de Zoologia	0,035	6	100	303	3.172	151	303	0,50	31,72	
35	Brazilian Journal of Physics	0,059	22	100	743	2.624	353	729	0,49	26,24	
36	Arquivo Brasileiro de Medicina Veterinaria e Zootecnia	0,033	10	244	583	4.932	274	583	0,48	20,21	
37	Brazilian Journal of Chemical Engineering	0,047	14	76	184	1.970	138	184	0,48	25,92	
38	Acta Cirurgica Brasileira	0,044	7	127	403	2.493	159	387	0,47	19,63	
39	Revista Brasileira de Botanica	0,034	5	72	138	2.726	59	131	0,45	37,86	
40	Pesquisa Veterinaria Brasileira	0,035	12	105	174	2.917	81	167	0,45	27,78	
41	Arquivos de Neuro-Psiquiatria	0,052	22	227	728	4.488	372	689	0,44	19,77	
42	Neotropical Entomology	0,038	13	120	435	3.034	236	414	0,43	25,28	
43	Brazilian Archives of Biology and Technology	0,043	13	151	380	4.413	225	380	0,42	29,23	
44	Arquivos de Gastroenterologia	0,065	11	65	183	1.795	114	170	0,42	27,62	