

Lições aprendidas com a
*Materials Research (Brazilian & Ibero-
American)*
e o
J. Non-Crystalline Solids (International)

3ª semana de escrita científica

IFSC – USP

7 de novembro de 2012

“Revistas científicas brasileiras ainda têm baixo impacto internacional”

Agência Fapesp **16/10/2012**

O número de revistas científicas brasileiras presentes em índices internacionais, como o *Journal Citation Report*, vem aumentando nos últimos anos. Entretanto, o número médio de citações dos artigos científicos publicados em um periódico – ainda é baixo e não atingiu a média mundial...

- De acordo com especialistas presentes no evento, um dos fatores que também contribuem para a baixa citação internacional dos artigos científicos brasileiros é a pouca participação de cientistas de outros países nesses trabalhos.

Mat. Res.: Why? To whom?

Why? Significant growth of MSE in Brazil in the 90s (started in the 70s), but no international tradition and no MSE journal existed.

Driving force: “*Lost Science in the Third World*”
Scientific American (August 1995)

Objective: To expose the Brazilian MSE to the world

To whom? Graduate students and young researchers having a hard time to publish in the most prestigious materials science and engineering journals

Mat. Res - Judicious* and Educative!

***Judicioso:** *que é perspicaz e justo em seus julgamentos; que demonstra sensatez; acertado*

MATERIALS RESEARCH IBERO-AMERICAN JOURNAL OF MATERIALS

desde 1998



Corpo editorial

W.J. Botta F. - Editor – out. 2010
(substituindo E.D. Zanotto)

F.C. Rizzo (**ABM**),
J.C. Bressiani (**ABCeram**)
L.A. Pessan (**ABPol**) Editores adjuntos

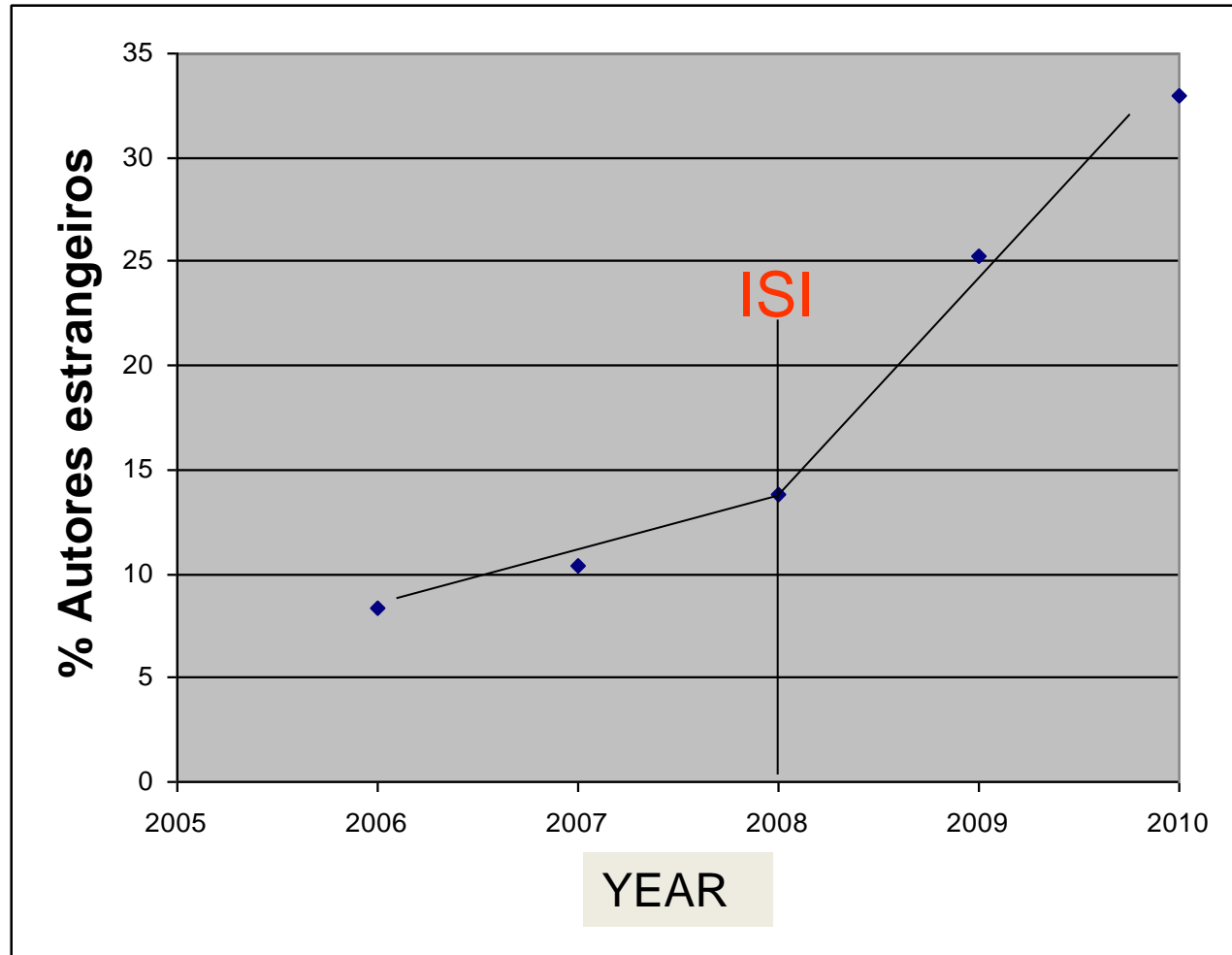
Partner societies: **SBCC, SBPMat, SBCr, SBMM**

Números relevantes (em 13 anos, até 2010)

- ~810 artigos publicados
- ~480 rejeitados
- 3,7 autores/artigo = 3.000 autores
- ~1600 revisores
- Downloads do Scielo (leitores) > **milhares!**

1998-2010: 810 papers

- Since 2003
- **Brazil** (...)
- **USA** (70)*
- **Argentina** (53)
- **Germany** (51)*
- India (41)
- China (34)
- **Portugal** (30)
- **France** (30)*
- **Spain** (19)
- Nigeria (16)
- **Mexico** (14)
- **Cuba** (13)
- **Colombia** (8)
- **Venezuela** (1)
- -----
- * Brazilian co-authors
Ibero-american

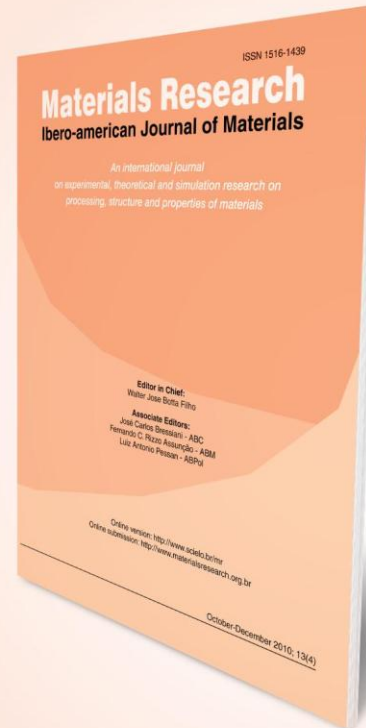


Indexada pelo ISI
em 2008

2012- FI ~ 0.5

Materials Research

Ibero-american Journal of Materials



Abstracted/Indexed in

Chemical Abstracts, World Ceramic Abstracts, International Pool of Glass Abstracts, Scopus, Scielo - Scientific Electronic Library Online, ISI, Materials Sciences Citation Index and Science Citation Index - Expanded (Web-of-Science)

Online Version

SciELO
www.scielo.br/mr

Online Submission

Mat.Res.

<http://materialsresearch.org.br>

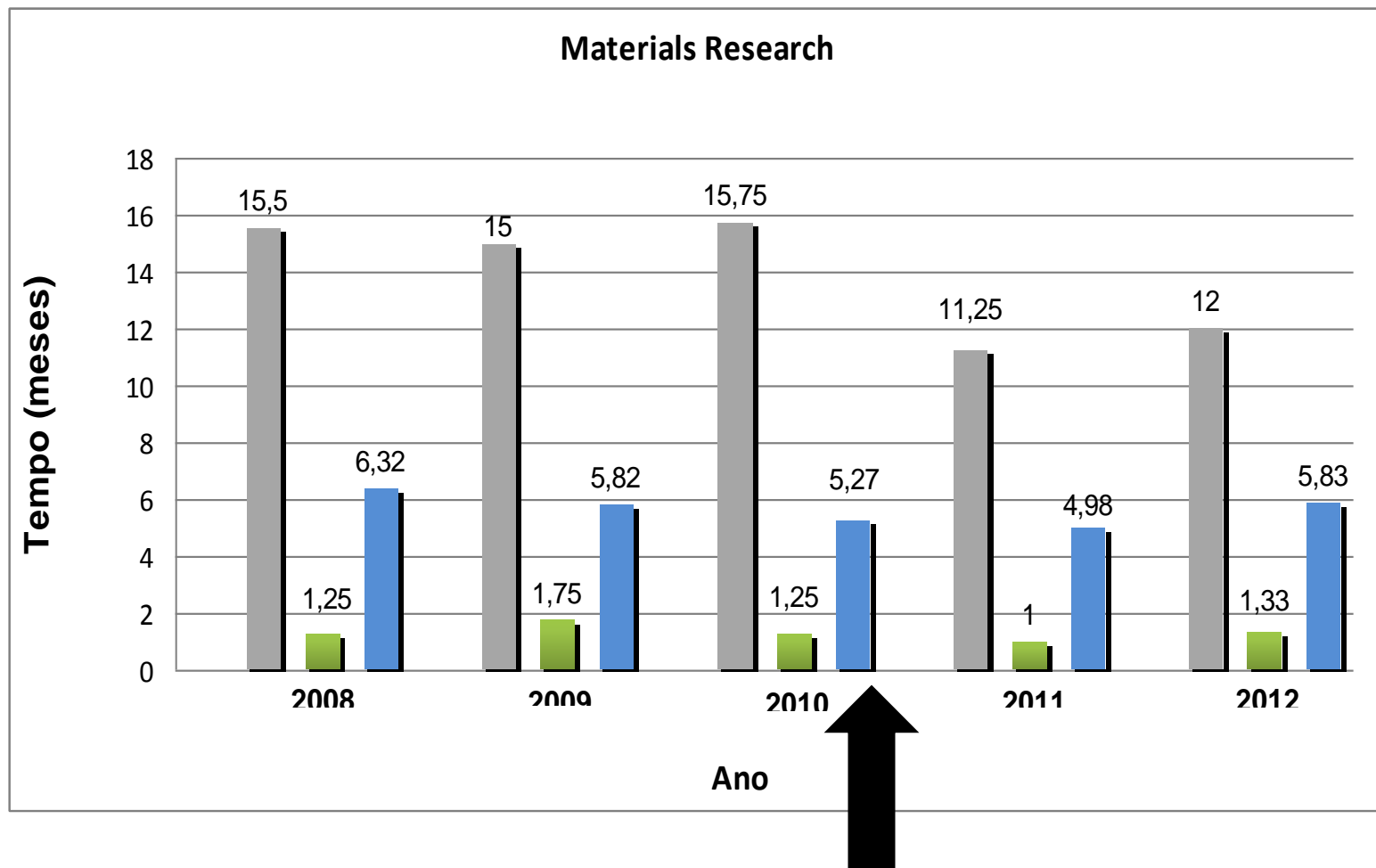
FOUNDING SOCIETIES



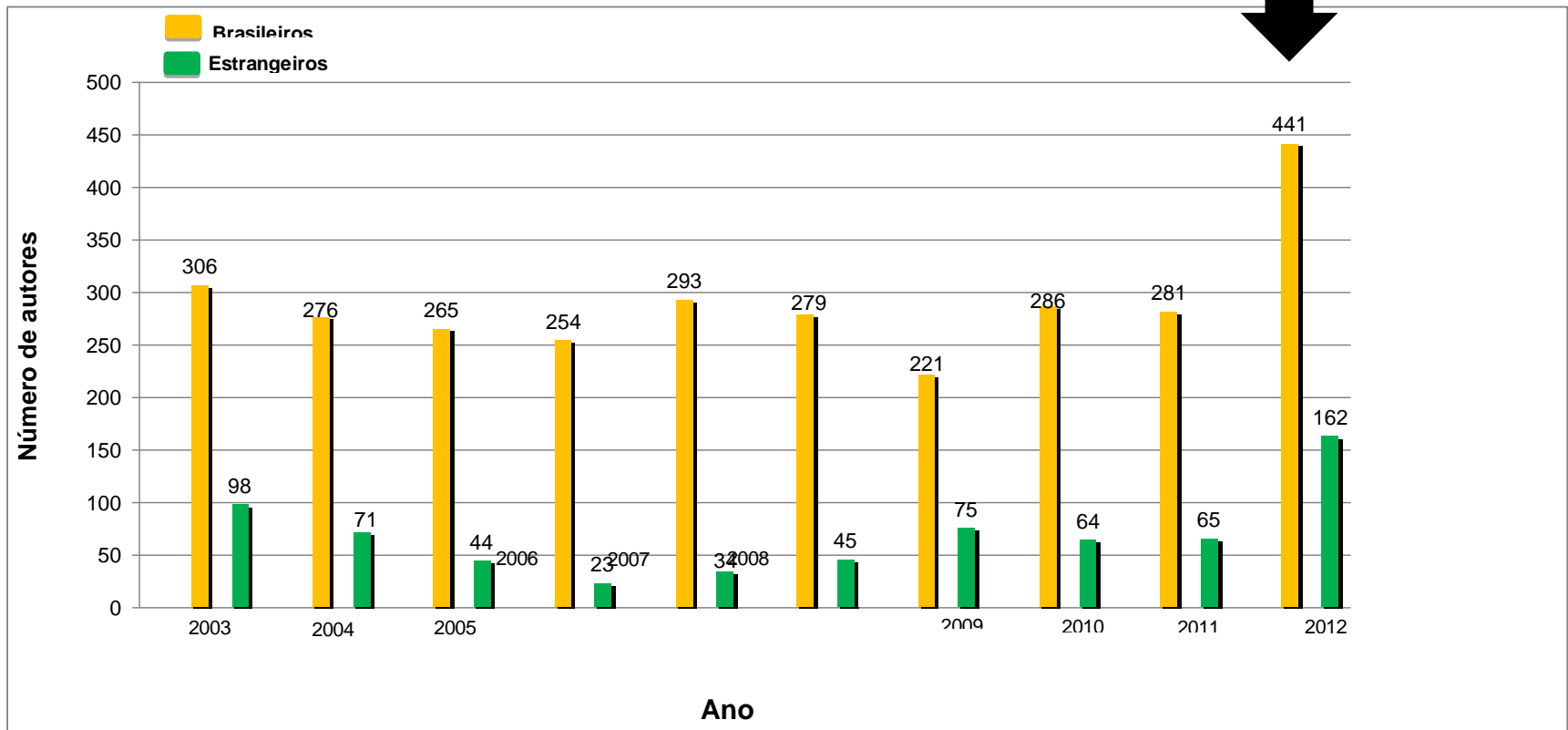
PARTNER SOCIETIES



Tempos máximos, mínimos e médios entre a submissão e o aceite



Número de Autores



Perspectivas

- elevar o padrão dos artigos
- renovar o corpo editorial
- valorizar junto aos Comitês do CNPq e CAPES
- minimizar os tempos de análise
- aumentar a visibilidade
 - (números temáticos, assinantes, *web page*, etc)
 - Pre-publish *on-line* os artigos aceitos
- aumentar o número de artigos
 - (06 volumes por ano?)

Visibilidade da Mat. Res. open accesses via Scielo (cumulative 1999-2010)

- 16.648?** [BIANCHI, Eduardo Carlos](#), [SILVA, Eraldo Jannone da](#), [CEZAR, Fabio Andreassa Guedes](#) *et al.* **Aspectos microscópicos da influência dos processos de esterilização em pontas diamantadas.** *Mat. Res.*, 2003, vol.6, no.2, p.203-210.
- 11.145?** [BOTELHO, Edson Cocchieri](#), [SILVA, Rogério Almeida](#), [PARDINI, Luiz Cláudio](#) *et al.* **A review on the development and properties of continuous fiber/epoxy/aluminum hybrid composites for aircraft structures.** *Mat. Res.*, 2006, vol.9, no.3, p.247-256.
- 11.061?** [SCHNEIDER, Sergio](#), [SCHNEIDER, Sandra Giacomini](#), [SILVA, Helena Marques da](#) *et al.* **Study of the non-linear stress-strain behavior in Ti-Nb-Zr alloys.** *Mat. Res.*, 2005, vol.8, no.4, p.435-438.
- 10.447?** [FURTADO, Heloisa Cunha](#) e [MAY, Iain Le.](#) **High temperature degradation in power plants and refineries.** *Mat. Res.*, 2004, vol.7, no.1, p.103-110.
- 9.418?** [ROGERO, Sizue Ota](#), [LUGÃO, Ademar Benévolo](#), [IKEDA, Tamiko Ichikawa](#) *et al.* **Teste in vitro de citotoxicidade: estudo comparativo entre duas metodologias.** *Mat. Res.*, 2003, vol.6, no.3, p.317-320.
- 8.544?** [COTA, André Barros](#), [OLIVEIRA, Fernando Lucas Gonçalves](#), [BARBOSA, Anderson Luiz da Rocha](#) e *et al.* **Microstructure and mechanical properties of a microalloyed steel after thermal treatments.** *Mat. Res.*, 2003, vol.6, no.2, p.117-121.
- 8.475?** [SEIDEL, Juliana Matos](#) e [MALMONGE, Sônia Maria](#). **Synthesis of polyHEMA hydrogels for using as biomaterials. Bulk and solution radical-initiated polymerization techniques.** *Mat. Res.*, 2000, vol.3, no.3, p.79-83.
- 8.397?** [REIS, Elizabeth Fonseca dos](#), [CAMPOS, Fábica S.](#), [LAGE, Andrey Pereira](#) *et al.* **Synthesis and characterization of poly (vinyl alcohol) hydrogels and hybrids for rMPB70 protein adsorption.** *Mat. Res.*, 2006, vol.9, no.2, p.185-191.
- 8.297?** [PAIVA, Jane Maria Faulstich de](#), [MAYER, Sérgio](#) e [REZENDE, Mirabel Cerqueira](#). **Comparison of tensile strength of different carbon fabric reinforced epoxy composites.** *Mat. Res.*, 2006, vol.9, no.1, p.83-90.
- 8.196?** [MELO, Rogério A.A.](#), [GIOTTO, Marcus V.](#), [ROCHA, João](#) *et al.* **MCM-41 ordered mesoporous molecular sieves synthesis and characterization.** *Mat. Res.*, 1999, vol.2, no.3, p.173-179.

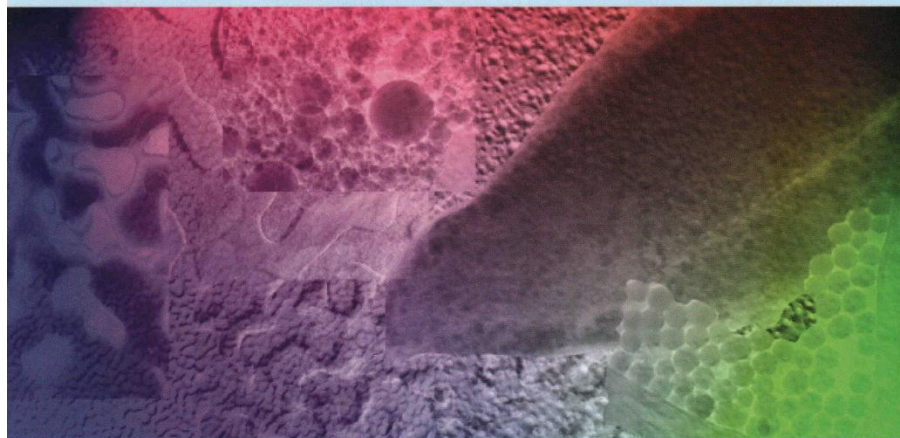


Volume 358, Issue 16, 15 August 2012

ISSN 0022-3093

JOURNAL OF NON-CRYSTALLINE SOLIDS

Editors: **B.G. Potter**, *Tucson, AZ, USA*
E.D. Zanotto, *São Carlos, SP, Brazil*
J.W. Zwanziger, *Halifax, Nova Scotia, Canada*



Available online at www.sciencedirect.com

SciVerse ScienceDirect

Since 1968

JNCS – Recent data

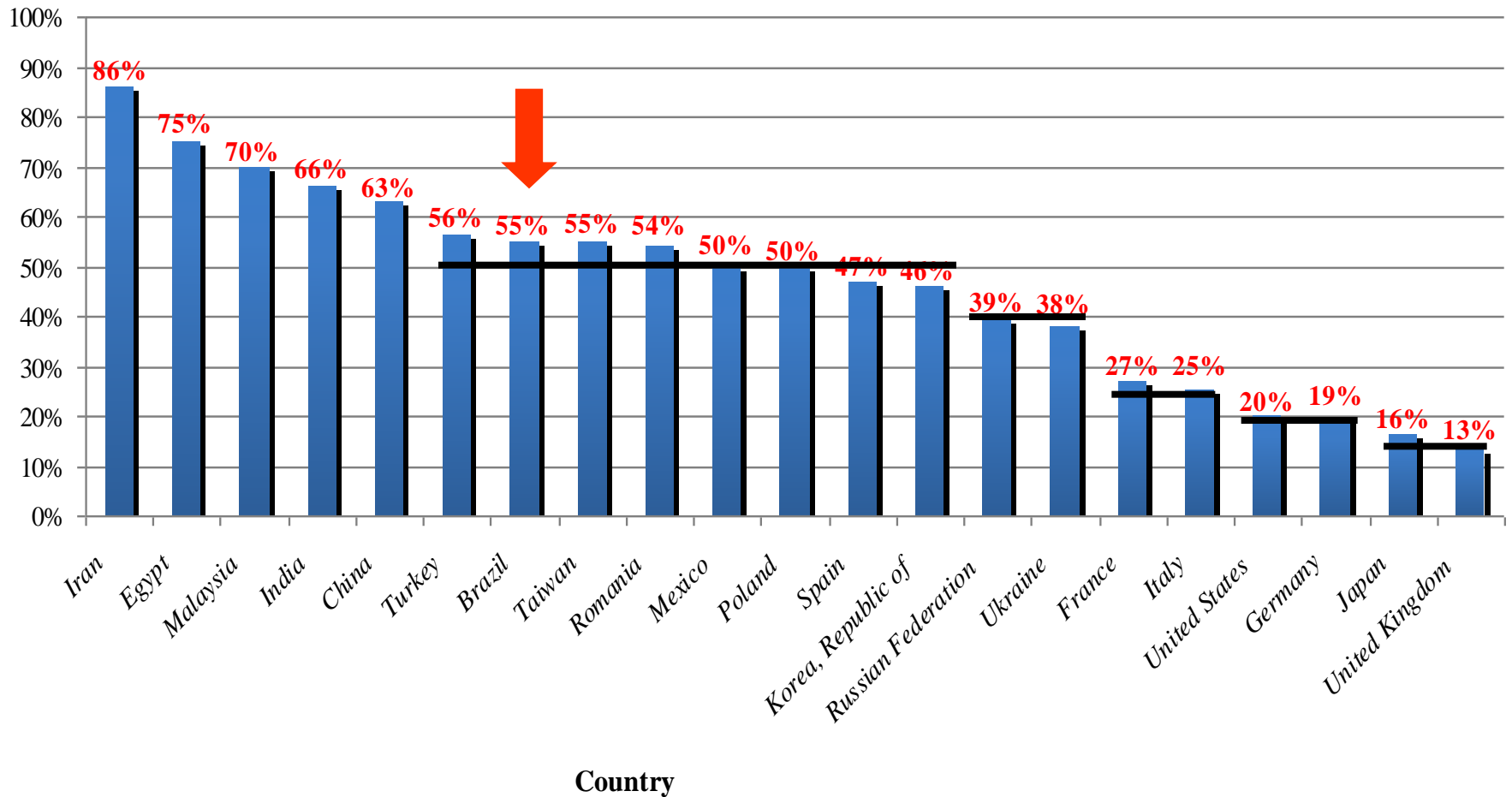
| Year | Submission to 1st decision (months) | Rejection (%) |
|-------------|---|----------------------|
| 2007 | 6 | 18 |
| 2008 | 4 | 31 |
| 2009 | 7 | 32 |
| 2010* | 5 | 41 |
| 2011 | 3 | 52 |
| 2012 | 1.5 | 60 |

| Year | Impact factor |
|-------------|----------------------|
| 2007 | 1.32 |
| 2008 | 1.45 |
| 2009 | 1.25 |
| 2010* | 1.48 |
| 2011 | 1.56 |

* New editors

JNCS - % Rejected papers in 2011

Per Country



SCIMAGO Lab
Journal Rank
MS (ceramics
& composites)
in 2011

| Title | SJR | H index from 96 | Total Docs. (3years) | Cites / Doc. (2years) |
|--|-------|--------------------|-------------------------|-----------------------------|
| J American Ceramic Soc. | 0,179 | 109 | 2.036 | 1,4 |
| Composites Science Techn | 0,178 | 84 | 1.117 | 2,0 |
| Journal Non-Cryst. Solids* | 0,165 | 80 (112) | 2.046 | 1,0 |
| J European Ceramic Society | 0,153 | 70 | 1.255 | 1,6 |
| Materials Research Bulletin | 0,139 | 55 | 1.227 | 1,4 |
| Cement Concrete Research | 0,124 | 65 | 502 | 2,2 |
| Measurement Science Tech | 0,123 | 69 | 1.338 | 0,8 |
| J. Sol-Gel Science Techn | 0,12 | 50 | 667 | 0,9 |
| Ceramics International | 0,11 | 43 | 1.248 | 1,3 |
| Cement Concrete Compos | 0,098 | 40 | 308 | 2,1 |
| CompositesB -Engineering | 0,088 | 46 | 293 | 1,3 |
| Journal of Electroceramics | 0,084 | 39 | 520 | 0,8 |
| Composite Structures | 0,083 | 49 | 860 | 1,5 |

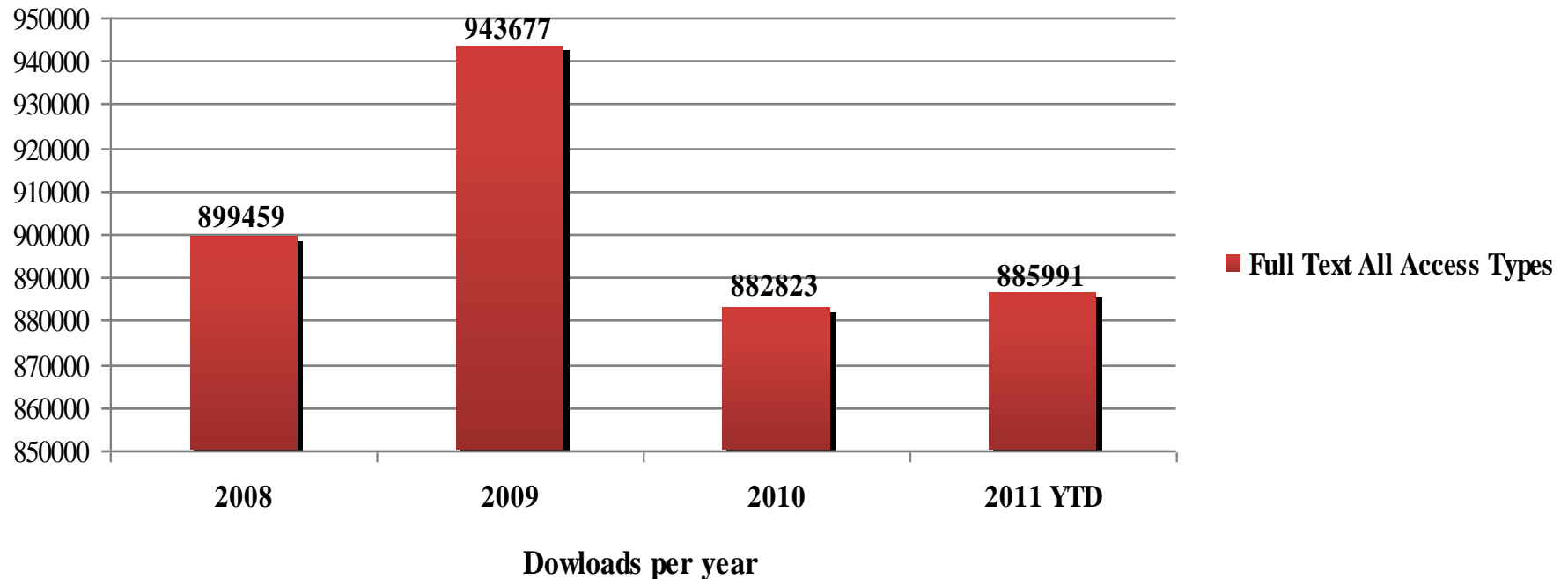
What is an accepted % of similarity

- A CrossRef check of some of my own papers (that are not cases of self-plagiarism) revealed about 7-15% similarity.
- So, I have been asking authors with more than about 20% to explain or change their manuscripts...

Visibility

JNCS - Downloads

Previous years



OBRIGADO!



LAMAV

Vitreous Materials
Laboratory





Plagiarism in the JNCS?

Dear Edgar,

I have not found a real case of plagiarism in JNCS, fortunately!

This is possibly because within the ([small](#)) JNCS community people know each other and this prevents unethical behavior among them.

I also hope the [CrossCheck](#) tool will help preventing to accept/publish unethically written papers.

Best regards,

Karien VanWetering
ELSEVIER Publishers

•We actually do have the ongoing discussion about the complaint of Professor Rao, “ Dielectric properties of natural rubber/chitosan blends: Effects of blend ratio and compatibilization, JNCS 357 Pages 1816-1821 J Johns, C Nakason”

Normally we will ask our ScienceDirect legal panel for a [retraction](#) when we have discovered papers containing plagiarism. A retracted paper will always remain visible, only the word “ retracted” will be watermarked in red over the article, and the reason for retraction is given.

How you deal with the increasingly difficult review process?

- **Elsevier Reviewer Badges and Rewards** scheme by Simon Gosling
- **REVIEWS CAN TAKE A LONG TIME TO COMPLETE WELL. TOO OFTEN, THERE IS LITTLE INCENTIVE TO ACADEMICS WITH FULL SCHEDULES TO COMPLETE REVIEWS. OFFERS OF 30-DAY FREE ACCESS TO A JOURNAL ARE USUALLY UNHELPFUL BECAUSE INSTITUTIONS PROVIDE ACCESS TO STAFF AND STUDENTS ANYWAY THROUGH LICENSE AGREEMENTS. MOREOVER, THE EFFORTS THAT GO INTO WRITING A REVIEW, DO NOT USUALLY PRESENT ANYTHING TANGIBLE THAT CAN BE INCLUDED ON A CV, OR PUT IN A PORTFOLIO, OR EVEN ON AN OFFICE WALL. THIS IS ESPECIALLY FRUSTRATING FOR EARLY CAREER RESEARCHERS, FOR WHOM THE LENGTHY PROCESS OF PEER REVIEWING ARTICLES CAN GO UN-NOTICED.**
- **MY SUGGESTION FOR ELSEVIER IS TO INTRODUCE AN “ELSEVIER REVIEWER BADGES AND REWARDS” SCHEME. THIS WOULD PROVIDE A STANDARDISED TANGIBLE RECOGNITION SYSTEM. THIS WOULD BE FACILITATED BY THE AWARDING OF “ELSEVIER BADGES” AND SUBSEQUENT “ELSEVIER REWARDS”.**
- **ANYTIME SOMEONE CONDUCTS A REVIEW FOR AN ELSEVIER JOURNAL, THEY WILL BE AWARDED AN “ELSEVIER CONTRIBUTOR POINT”. THESE POINTS CAN BE ACCUMULATED AND AFTER ACCUMULATING A CERTAIN AMOUNT OF POINTS, A REVIEWER WILL RECEIVE AN “ELSEVIER BADGE”. THE FIRST BADGE WOULD BE CALLED AN “OCCASIONAL REVIEWER BADGE”. AS A REVIEWER ACCUMULATES MORE AND MORE ELSEVIER CONTRIBUTOR POINTS, SO THEY ARE AWARDED NEW BADGES. IN THE FIRST INSTANCE, BADGES COULD BE AWARDED FOR; UP TO 5 REVIEWS (“OCCASIONAL REVIEWER BADGE”), UP TO 10 REVIEWS (“REGULAR REVIEWER BADGE”), AND 20 OR MORE REVIEWS (“SENIOR REVIEWER BADGE”). OTHER BADGES COULD BE AWARDED AT THE JOURNAL EDITOR’S DISCRETION. FOR INSTANCE, A BADGE COULD BE AWARDED ANNUALLY FOR THE “MOST COMPREHENSIVE REVIEW”, ANOTHER FOR THE “MOST HELPFUL REVIEW”, AND ONE FOR THE “MOST CONTRIBUTIONS IN A YEAR”, FOR INSTANCE. PEOPLE AT ELSEVIER MAY HAVE IDEAS FOR OTHER BADGES THAT COULD BE INTRODUCED. THE BADGES WOULD APPEAR**

Country

- Brazil 566
- India 24
- Argentina 20
- Germany 20
- United States 18
- China 13
- Iran 11
- Spain 11
- Nigeria 9
- Portugal 9
- + 35 other countries

| | Country 96-2010 | Citable documents | Citations per Document | H index |
|----------|----------------------------|------------------------------|-----------------------------------|--------------------|
| 1 | United States | 4.972.679 | 20,18 | 1.229 |
| 2 | China | 1.833.463 | <u>5,66</u> | 316 |
| 3 | Japan | 1.429.881 | 11,72 | 568 |
| 4 | United Kingdom | 1.392.982 | 17,42 | 750 |
| 5 | Germany | 1.321.606 | 15,79 | 657 |
| 6 | France | 964.320 | 15,09 | 604 |
| 7 | Canada | 748.787 | 17,55 | 580 |
| 8 | Italy | 720.911 | 14,45 | 515 |
| 9 | Spain | 547.858 | 13,12 | 412 |
| | India | 507.792 | <u>7,27</u> | <u>256</u> |
| | Australia | 485.249 | 16 | 450 |
| | Russian Federation | 476.490 | <u>5,21</u> | <u>285</u> |
| | South Korea | 422.745 | <u>9,82</u> | <u>287</u> |
| | Netherlands | 409.982 | 20,05 | 509 |
| 1 | | | | |
| 5 | Brazil | 318.294 | <u>9,57</u> | 262 |