



Curso de extensão  
**Pesquisa e Uso da  
Informação Científica**



# O Qualis CAPES e os indicadores baseados em publicações científicas

Dra. Letícia Strehl

**Área de avaliação:  
Psicologia**

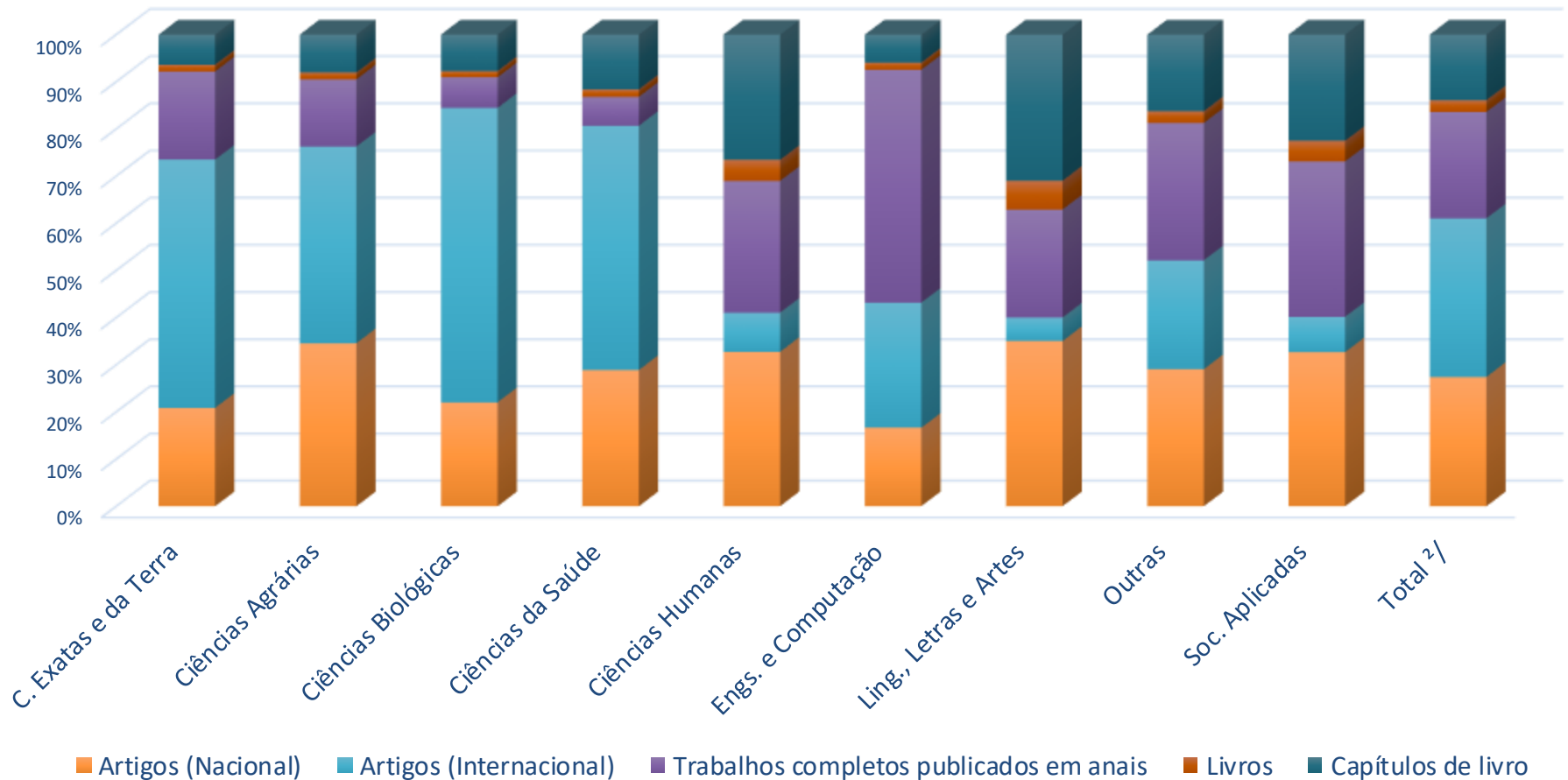
# Sumário

- As diferentes áreas e as características das publicações
- O Qualis CAPES
- Os indicadores quantitativos de avaliação
  - Periódicos
    - Fator de impacto
    - SJR
  - Autores
    - Índice H

A diagram of the solar system. The Sun is a large, glowing orange sphere on the left. Several planets are shown on elliptical orbits around it. From left to right, the planets are: Mercury (small, grey), Venus (orange), Earth (blue and green), Mars (red), Jupiter (large, orange and white striped), Saturn (yellow and white striped), Uranus (light blue), and Neptune (dark blue). The background is a dark blue space filled with many small white stars.

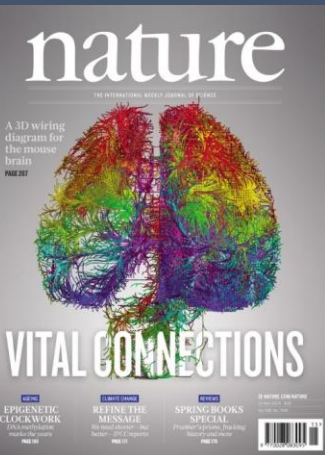
As diferentes áreas como  
diferentes planetas?

# Tipo de documentos por área do grande área do conhecimento



# Planetas diferentes

Parâmetro tradicional:  
tipos de documentos



Parâmetro presente/futuro

Pré-prints

Impacto no  
conteúdo  
científico

Dados de pesquisa

**Visualizing a Field of Research: A Methodology of Systematic Scientometric Reviews**

Chaoxue Chen<sup>1</sup> and Min Song<sup>2</sup>  
<sup>1</sup>Department of Information Science, College of Computing and Informatics, Drexel University  
<sup>2</sup>Department of Information Science, Jinan University

Systematic scientometric reviews, empowered by scientometric and visual analytic techniques, offer opportunities to improve the timeliness, accessibility, and reproducibility of conventional systematic reviews. While increasingly accessible science mapping tools enable end users to visualize the structure and dynamics of a research field, a common bottleneck in the current practice is the construction of a collection of scholarly publications as the input of the subsequent scientometric analysis and visualization. End users often have to face a dilemma in the preparation process: the more they know about a knowledge domain, the easier it is for them to find the relevant data to meet their needs adequately; the little they know, the harder the problem is. What can we do to avoid missing something valuable but beyond our initial description? In this article, we introduce a flexible and generic methodology, cascading citation expansion, to increase the quality of constructing a bibliographic dataset for systematic reviews. Furthermore, the methodology simplifies the conceptualization of globalism and localism in science mapping and unifies them on a consistent and continuous spectrum. We demonstrate an application of the methodology to the research of literature-based discovery and compare five datasets constructed based on three use scenarios, namely a conventional keyword-based search (one dataset), an expansion process starting with a groundbreaking article of the knowledge domain (two datasets), and an expansion process starting with a recently published review article by a prominent expert in the domain (two datasets). The unique coverage of each of the datasets is inspected through network visualization overlays with reference to other datasets in a broad and integrated context.

**Keywords:** cascading citation expansion, systematic reviews, scientometrics, literature-based discovery, CiteSpace

**Introduction**

Systematic reviews play a critical role in scholarly communication (1). Systematic reviews typically synthesize findings from original research in a field of study, assess the degree of consensus or the lack of it concerning the state of the art in the field, and identify challenges and future directions. For newcomers to a field of study, a timely and comprehensive systematic review can provide a valuable overview of the intellectual landscape such that new researchers may find research topics to pursue effectively. For experienced and active researchers, systematic reviews can be instrumental in keeping their knowledge of the field up to date, especially when involving areas that are potentially relevant but fall outside the

**Eating Biodiversity: An Investigation of the Links between Quality Food Production and Biodiversity Protection, 2005-2007**

Details Documentation Resources Access

Details

Title: Eating Biodiversity: An Investigation of the Links between Quality Food Production and Biodiversity Protection, 2005-2007

Study number (SN): 6159

Persistent Identifier (DOI): 10.5255/URDA-SN-6159-1

Principal Investigator(s): Buller, H., University of Exeter, Department of Geography

Study Number 6159  
Eating Biodiversity: An Investigation of the Links between Quality Food Production and Biodiversity Protection, 2005-2007, Buller, H.

Interview ID	Name	Gender	Occupation of Interviewee	Size of Farm	Organic or not
1	Beef Farm A	Male	Beef farmer	95 acres	Organic
2	Beef Farm B	Female	Beef farmer	1200 acres	Organic
3	Beef Farm C	1 Male and 1 female	Beef farmer	180 acres	Not organic
4	Beef Farm D	Males	Beef farmer	550 acres	Not organic
5	Beef Farm E	12 Males	Beef farmer	114 acres	Not organic
6	Beef Farm F	Male	Beef farmer	123 acres	Not organic
7	Beef Farm G	Male	Beef farmer	880 acres	-
8	Beef Farm H	12 Males	Beef farmer	120 acres	Not organic
9	Beef Farm I	Male	Beef farmer	650 acres	Organic
10	Beef Farm J	Male	Beef farmer	410 acres	Organic
11	Beef Farm K	Male	Beef farmer	260 acres	Not organic
12	Beef Farm L	2 Males	Beef farmer	300 acres	-
13	Beef Farm M	12 Males	Beef farmer	98 acres	Organic
14	JO	Male	English Nature Officer	-	-
15	SB	Male	County Council Officer, Food and Farming Co-ordinator	-	-
16	JOH	Male	Local Food Links Officer	-	-
17	ES	Female	National Park Officers	-	-
18	CH, SD	2 Females	National Trust Advisors	-	-
19	JH, SF	2 Males	National Trust Advisors	-	-
20	LK	Female	Wildlife Trust Officer	-	-
21	REB	Female	English Nature Officer	-	-

# Novos meios de comunicação, novos indicadores

## Indicadores webométricos: acessos, downloads e redes sociais

## Pré-prints e dados abertos de pesquisa

CHIKUNGUNYA: UMA ARBOVIROSE EM ESTABELECIMENTO E EXPANSÃO NO BRASIL

SciELO

Disponível para leitura

### AUTORES

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Calvet, Guilherme Amaral

Brasil, Patrícia

LEIA O ARTIGO COMPLETO

SciELO

### DO ARTIGO

252  
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3300  
Acessos

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favoritar

### Visualizing a Field of Research: A Methodology of Systematic Scientometric Reviews

Chaochen Chen<sup>1,2</sup> and Min Song<sup>2</sup>  
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2913

### Mentioned by

- 97 news outlets
- 59 blogs
- 2289 tweeters
- 10 weibo users
- 164 Facebook pages
- 3 Wikipedia pages
- 77 Google+ users
- 1 research highlight platform
- 1 Q&A thread
- 3 video uploaders



### Usage

Bitty - Clicks: 63  
Bitty - Clicks: 10  
Bitty - Clicks: 3  
Bitty - Clicks: 1  
D-Scholarship@Pitt - Downloads: 270  
EBSCO - Abstract Views: 174  
EBSCO - PDF Views: 63  
EBSCO - HTML Views: 44  
EBSCO - Link-outs: 1  
PLOS - HTML Views: 22923  
PLOS - PDF Views: 2098  
PubMedCentral - HTML Views: 1295  
PubMedCentral - PDF Views: 696

### Social Media

Facebook - Shares, Likes & Comments: 197  
Google+ - +1s: 7  
Twitter - www.plosone.org: 32  
Twitter - www.ncbi.nlm.nih.gov: 1

### Captures

Delicious - Bookmarks: 1  
EBSCO - Exports-Saves: 15  
Mendeley - Readers: 108

### Mentions

Blog - www.plosone.org: 1

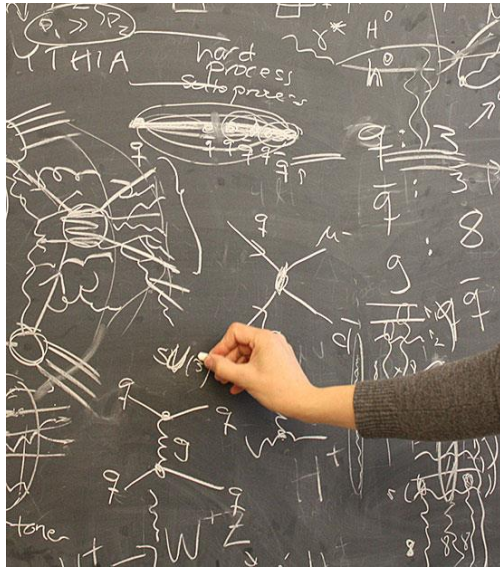
### Citations

CrossRef - Citation Indexes: 63  
PMC Europe - Citation Indexes: 16  
PubMed - Citation Indexes: 18  
Scopus - Citation Indexes: 63

PLUMX - see details



Pesquisadores muito produtivos de (sub)áreas diferentes publicam o mesmo número de artigos por ano?



<https://www.physics.uu.se/research/high-energy-physics/research-groups/thep/>



<https://www.lancaster.ac.uk/media/lancaster-university/content-assets/images/fst/hero/Hero-Physics-LHC.jpg>



<https://www.socanth.cam.ac.uk/current-students/phd-course/phd-fieldwork>

Artigos excelentes de áreas diferentes receberão o mesmo número de citações no mesmo período de tempo?

Global Cancer Statistics, 2012

By: Torre, Lindsey A.; Bray, Freddie; [Siegel, Rebecca L.](#); et al.  
CA-A CANCER JOURNAL FOR CLINICIANS Volume: 65 Issue: 2 Pages: 87-108 Published: MAR-APR 2015

Oncology

An Index and Test of Linear Moderated Mediation

By: Hayes, Andrew F.  
MULTIVARIATE BEHAVIORAL RESEARCH Volume: 50 Issue: 1 Pages: 1-22 Published: JAN 2 2015

Psychology

2016	2017	2018	2019	2020	Total	Average Citations per Year
2623	3979	4551	3606	4	15207	3041.40
83	177	191	233	0	698	139.60



# Sistema de distinção social dos pesquisadores

- Você acha que a pergunta principal é:
  - O que fulano de tal descobriu?
- Não, MUITO FREQUENTEMENTE, a pergunta é:
  - Onde fulano de tal publicou?
    - A grife que distingue é dada pelo valor do Fator de Impacto do periódico
    - OU, no Brasil, por seu Qualis



Em certas áreas Fator de Impacto e Qualis são sinônimos

# O Qualis CAPES para “periódico”

Avaliação da produção científica na pós-graduação

# O Qualis CAPES para “periódico”

- É o conjunto de procedimentos utilizados pela Capes para estratificação da qualidade da produção intelectual dos programas de pós-graduação.
- O Qualis afere a qualidade [sic] de um artigo pela qualidade [sic] do periódico científico que o publicou.
- A classificação de periódicos é realizada pelas áreas de avaliação e passa por processo anual de atualização.
- Os periódicos são enquadrados em estratos indicativos da qualidade [sic] - A1, o mais elevado; A2; B1; B2; B3; B4; B5; C - com peso zero.
- Um mesmo periódico, ao ser classificado em duas ou mais áreas distintas, pode receber diferentes avaliações.
- O aplicativo que permite a classificação e consulta ao Qualis é o WebQualis.



### Nossas Ações

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reais](#)

[Dados Bancários](#)

[Concurso Público CAPES  
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[Servidores](#)

[Informações Classificadas](#)

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Cidadão](#)

[Termos de Execução  
Descentralizada](#)

[Perguntas Frequentes](#)

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[Bolsistas em destaque](#)

[Legislação](#)

[Licitações e contratos](#)

[Prêmio CAPES Talento  
Universitário](#)

[Editais abertos da CAPES](#)

## Qualis Periódicos

**\* Evento de Classificação:**

CLASSIFICAÇÕES DE PERIÓDICOS QUADRIÊNIO 2013-2016 ▼

**Área de Avaliação:**



PSICOLOGIA

**ISSN:**



**Título:**



**Classificação:**



-- SELECIONE -- ▼

# Critérios e enquadramento em estratos

## Critérios Qualis

### Psicologia

Publicado: Sexta, 24 Junho 2011 17:48 , Última Atualização: Quinta, 07 Novembro 2019 15:50

#### Qualis

Disponibilizado na WEB	Nome do documento	Formatos disponíveis
19/07/2019	Relatório Critérios Qualis Periódicos Referência 2017/18	PDF 265 KB

## Classificação



The screenshot shows the Sucupira PLATAFORMA interface for Qualis Periódicos. The header includes the Sucupira logo and navigation links: INÍCIO >> Qualis >> Qualis Periódicos. The main content area is titled 'Qualis Periódicos' and contains a form for classification. The form includes a dropdown menu for 'Evento de Classificação' (CLASSIFICAÇÕES DE PERIÓDICOS QUADRIÊNIO 2013-2016), a checkbox for 'Área de Avaliação' (PSICOLOGIA), and input fields for 'ISSN', 'Título', and 'Classificação' (with a dropdown menu for '-- SELECIONE --').





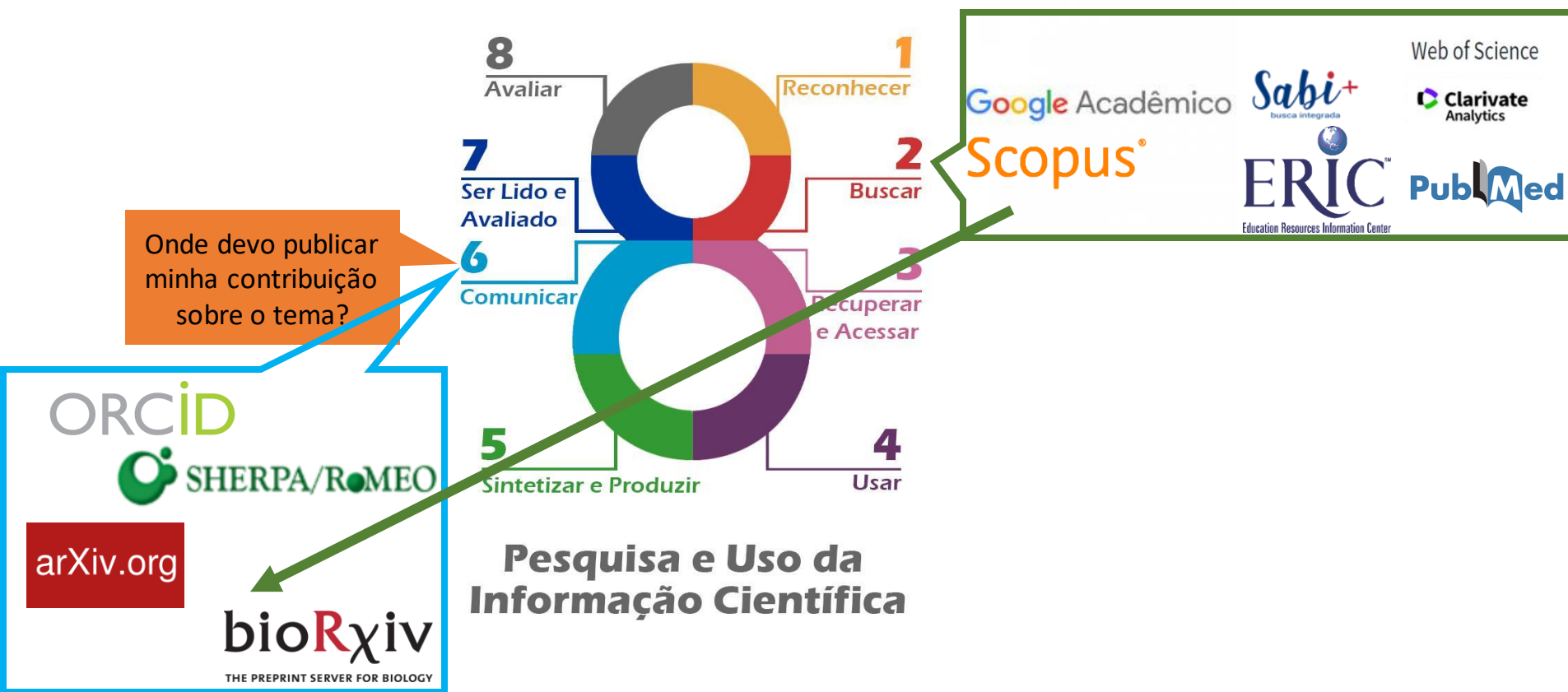
**Ser lido e avaliado**

Os indicadores quantitativos de avaliação

# Avaliação da produção científica (1)

- Quantos artigos foram publicados?
- Quantos destes artigos publicados são indexados em bases de dados importantes para os pares?
  - Exemplo: artigos publicados em periódicos indexados na Scopus

# Super



# A busca em bases de dados ou motores de busca?

The screenshot shows the Web of Science interface. A search bar at the top contains the text "developing countries". Below the search bar, a blue box highlights the text "Results: 39 (from Web of Science Core Collection)". The main results area shows a list of articles, with the first article titled "Transportation carbon dioxide emissions in developing countries" by Wang, Yuesong, Yang, Liu, Han, Sunsheng, et al. The article is from the "JOURNAL OF KIRISHNA INSTITUTE OF MEDICAL SCIENCES UNIVERSITY" Volume 5 Issue 3 Pages 136-141, published in JUL, SEP 2016. The article is available in PDF format and has a "View Abstract" button.

Web of Science

Results: 39  
(from Web of Science Core Collection)

Refine Results

Search within results for...

Publication Years

- ☐ 2016 (6)
- ☐ 2015 (6)
- ☐ 2013 (6)
- ☐ 2009 (3)
- ☐ 2007 (2)

more options / values ...

Refine

Transportation carbon dioxide emissions in developing countries

By Wang, Yuesong, Yang, Liu, Han, Sunsheng, et al.  
JOURNAL OF KIRISHNA INSTITUTE OF MEDICAL SCIENCES UNIVERSITY Volume 5 Issue 3 Pages 136-141  
Published: JUL, SEP 2016

View Abstract

2. Where to Publish? Choosing the Right Journal for Research Work

By Nagoba, Basavaraj, Selkar, Sohan, Mumbra, Sachin, et al.  
JOURNAL OF KIRISHNA INSTITUTE OF MEDICAL SCIENCES UNIVERSITY Volume 5 Issue 3 Pages 136-141  
Published: JUL, SEP 2016

View Abstract

3. Globalization and Health: developing the journal to advance the field

By Martin, Greg, MacLachlan, Malcolm, Labonte, Ronald, et al.  
GLOBALIZATION AND HEALTH Volume 12 Article Number 6 Published: MAR 9 2016

Full Text from Publisher View Abstract

The screenshot shows the Google Acadêmico interface. A search bar at the top contains the text "impact factor" "developing countries". Below the search bar, a blue box highlights the text "Aproximadamente 47.900 resultados (0,23 s)". The main results area shows a list of articles, with the first article titled "Scientific publishing in developing countries: Challenges for the future" by E. Salazar-Meyer. The article is from the "Journal of English for Academic Purposes" 2008 - Elsevier. The article is available in PDF format and has a "View Abstract" button.

Google Acadêmico

"impact factor" "developing countries"

Aproximadamente 47.900 resultados (0,23 s)

Artigos

A qual...

Desde 2...

Desde 2...

Desde 2...

Período específico...

Classificar por relevância

Classificar por data

Em qualquer idioma

Pesquisar páginas em Português

☒ incluir patentes

☒ incluir citações

☐ Criar alerta

at ...

H. Busse, EA Aboneh, G Tefera - Globalization ..., 2014 - globalizationandhealth ...

... Impact Factor 2 540. Main menu ... Research. Open Access. Learning from developing countries in strengthening health systems: an evaluation of personal and professional impact among global health volunteers at Addis Ababa University's Tikur Anbessa Specialized Hospital ...

☆ Citado por 257 Artigos relacionados Todas as 20 versões

Scientific publishing in developing countries: Challenges for the future

E. Salazar-Meyer - Journal of English for Academic Purposes, 2008 - Elsevier

... political factors, building one requires the publication and dissemination of research results, and here also developing countries experience problems ... Obviously, then, these journals' Impact factor (the so-called 'currency of science') 3 and citation frequency are extremely low ...

☆ Citado por 244 Artigos relacionados Todas as 6 versões

HTML Measuring health inequality among children in developing countries: does the choice of the indicator of economic status matter?

TAJ Houweling, AE Kunst, ... for equity in ..., 2003 - equityhealthy.biomedcentral.com

... Search BioMed Central articles Search. International Journal for Equity in Health. Impact Factor 2 378. Main menu ... Research. Open Access. Measuring health inequality among children in developing countries: does the choice of the indicator of economic status matter? ...

☆ Citado por 280 Artigos relacionados Todas as 24 versões

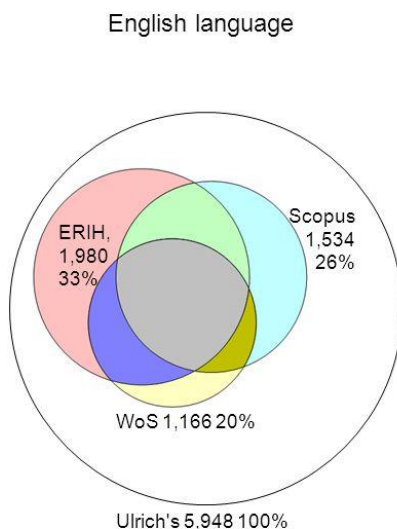
# Qualis Psicologia

**Tabela 6.** Critérios de estratificação a partir da presença dos veículos em bases indexadoras.

Estrato	Critérios
A1	Presença em (PsycInfo e Web of Science) ou (PsycInfo e Scopus).
A2	Presença em PsycInfo ou Web of Science ou Scopus.
A3A4	Presença em ao menos 4 dentre as seguintes bases indexadoras: Scielo, Redalyc, Ebsco, Psycodoc, Lilacs, Latindex, Doaj e Pepsic.
B1B2	Presença em ao menos 2 dentre as seguintes bases indexadoras: Scielo, Redalyc, Ebsco, Psycodoc, Lilacs, Latindex, Doaj e Pepsic.
B3B4	Presença em ao menos 1 dentre as seguintes bases indexadoras: Scielo, Redalyc, Ebsco, Psycodoc, Lilacs, Latindex, Doaj e Pepsic.

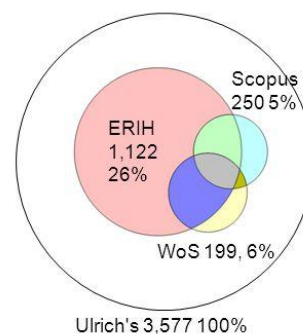
# Diferentes coberturas de bases de datos

## ERIH coverage



Venn diagrams plotted using: Littlefield & Monroe, Venn Diagram Plotter, US Department of Energy, PNNL, Richland, WA, 2004-2007.

European language, not English

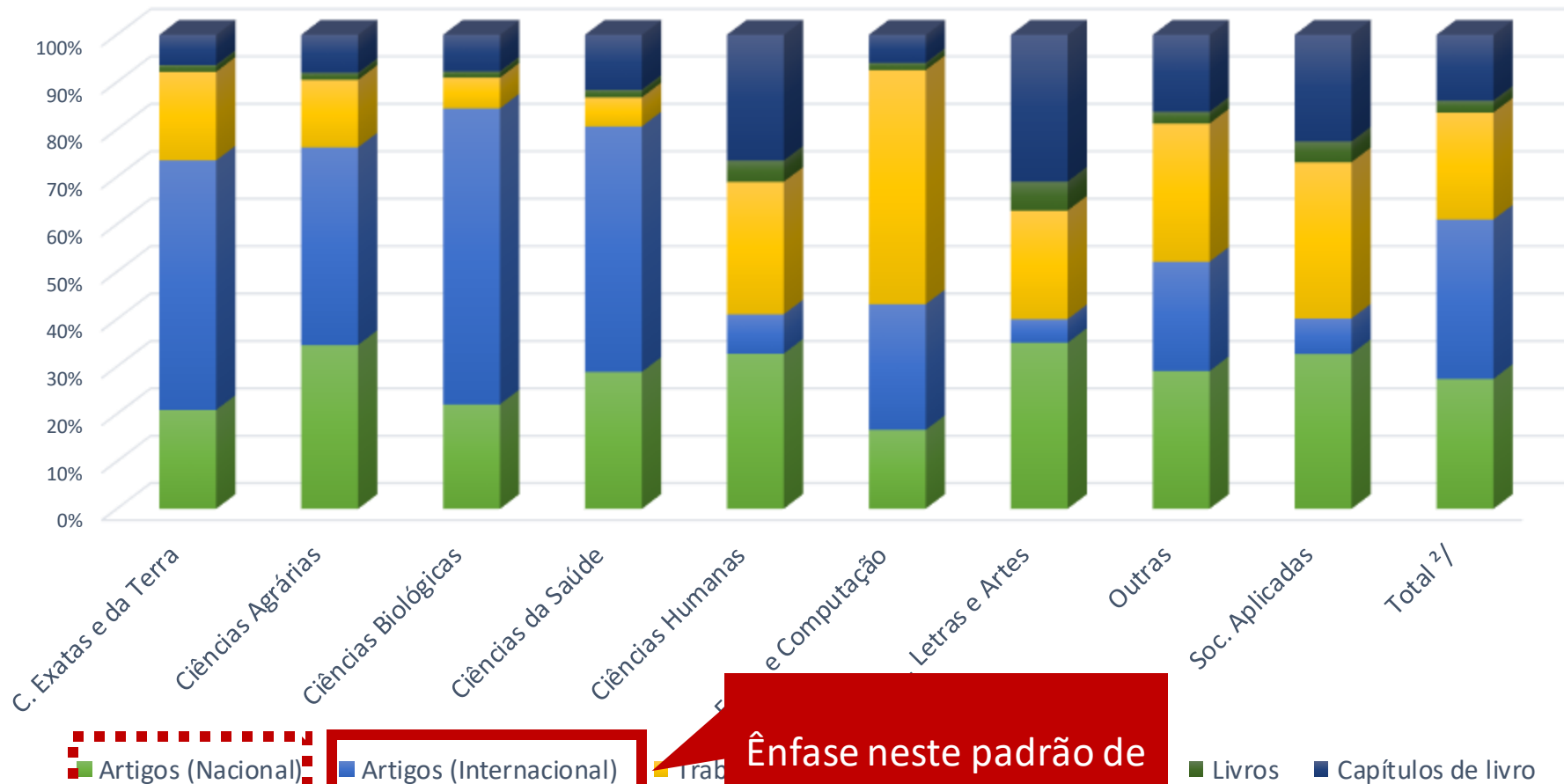


Journals counted are:  
ERIH fields  
active (not ceased) & published regularly  
identified as academic/scholarly by Ulrich's  
published in a European country or U.S.

<http://slideplayer.com/slide/4991000/>



# Tipo de documentos por área do grande área do conhecimento



Ênfase neste padrão de comunicação

Poucos periódicos indexados

# Avaliação da produção científica (2)

Qual é a visibilidade dos periódicos que publicam estes artigos segundo indicadores dessas bases de dados?

Estratos	Faixas de FI por área de avaliação
	Medicina I
A1	$\geq 4,3$
A2	Entre 4,29 e 3,13
B1	Entre 3,12 e 1,85
B2	Entre 1,84 e 0,8
B3	Entre 0,79 e 0,2
B4	Outros critérios



Como posso ampliar a visibilidade de minha publicação?

# Super



## Pesquisa e Uso da Informação Científica

# Indicadores: tipos e níveis de abrangência

- Indicadores bibliométricos

## Periódico

- De impacto (número de citações por artigo): Fator de Impacto, Citações por Artigo (Scimago)

## Autores

- De produtividade e impacto: Índice H

Todavia, todos esses indicadores criados, originalmente, para medir padrões de comunicação científica nos níveis acima destacados, são aplicáveis em diferentes contextos: países, instituições, departamentos, áreas, PPGs, etc.

**Periódico**

# Indicadores de impacto

Média de citações por artigo de um periódico

O nome do indicador depende da fonte de dados

## Fator de impacto

## SCI E SSCI NA WEB OF SCIENCE

WEB OF KNOWLEDGE™ | DISCOVERY STARTS HERE

Sign In | Marked List (0) | My EndNote Web | My ResearcherID | My Citation Alerts | My

All Databases | Select a Database | Web of Science | Additional Resources

Search | Search History | Compound Marked List (0)

All Databases

<< Return to Web of Science®

Results Publication Name=(lancet)

Timespan=All Years

Search language=English Lemmatization=On

Results: Approximately 182,654

Page 1 of 10,000

Sort by:

Refine Results

Search within results for

Databases

General Categories Refine

SCIENCE TECHNOLOGY

Subject Areas Refine

GENERAL INTERNAL MEDICINE

Document Types

Authors

1. Title: Identification of IL6R and chromosome 11q13.5 as risk loci for asthma  
Author(s): Ferreira Manuel A. R.; Matheson Melanie C.; Duffy David L., et al.  
Group Author(s): Australian Asthma Genetics Consortium  
Source: LANCET Volume: 378 Issue: 9795 Pages: 1006-1014 Published: SEP 10 2011  
Times Cited: 1 (from All Databases)  
Full Text | View abstract

2. Title: Chronic Obstructive Pulmonary Disease 1 New Insights into the Immunology of chronic obstructive pulmonary disease  
Author(s): Brussel Guy G.; Jose Guy F.; Bracke Ken R.  
Source: LANCET Volume: 378 Issue: 9795 Pages: 1015-1026 Published: SEP 10 2011  
Times Cited: 0 (from All Databases)  
Full Text | View abstract

## JOURNAL CITATION REPORTS

ISI Web of Knowledge<sup>SM</sup>

Journal Citation Reports<sup>®</sup>

WELCOME ? HELP

Journal Summary List

Journals from: search Full Journal Title for 'LANCET'

Sorted by: Journal Title SORT AGAIN

Journals 1 - 1 (of 1)

MARK ALL UPDATE MARKED LIST

Ranking is based on your

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	Total Cites	Impact Factor
<input type="checkbox"/>	1	LANCET	0140-6736	155736	33.633



## Citações por Documento e SJR

### Scopus

The screenshot shows the Scopus website interface. At the top, there are logos for SciVerse and Scopus, and navigation links for Hub, ScienceDirect, Scopus, SciTopics, and Applications. Below this is a search bar with the text 'Quick Search' and a 'Search' button. The search results show 'Scopus: 416,159' and a list of search filters including 'More...', 'Web', and 'Patents'. The search query is 'SRCTITLE(lancet)'. Below the search bar, there are links for 'Edit', 'Save', 'Set alert', 'Set feed', and 'View search history'. The main section displays 'Document results: 416,159' and a list of document titles with their respective citation counts. The first document is 'Erratum (DOI:10.1016/S1473-3099(11)70196-7)' with 1 citation. The second document is 'Royal Colleges must act over Health and Social Care Bill' with 2 citations. The third document is 'Dampening the effect of drug resistance in HIV: a leap forward' with 3 citations. The interface also includes a 'Refine results' section with a 'Limit to' button and a 'Year' filter showing a list of years from 2011 to 2007 with their respective citation counts.

### Scimago

The screenshot shows the Scimago Journal & Country Rank website. The top section features the 'SJR' logo and the text 'Scimago Journal & Country Rank'. Below this is a navigation menu with links for Home, Journal Rankings, Journal Search, Country Rankings, Country Search, Compare, Map Generator, Help, and About Us. The 'Journal Search' section is active, showing a search query 'Lancet, The' and a list of search filters including 'Country: United Kingdom', 'Subject Area: Medicine', 'Subject Category: Medicine (miscellaneous)', 'Publisher: The Lancet Publishing Group', 'Publication type: Journals', 'ISSN: 01406736, 1474547X', 'Coverage: 1823-2010', 'H Index: 421', and 'Scope: The Lancet is the world leading independent general medical journal. The journal coverage is international in focus to [...]'. The 'Show full scope' button is visible. The bottom section displays a chart showing the 'SJR' indicator for the journal 'Lancet, The' from 2003 to 2010, with a value of 1.69. The chart also shows the 'Cites' indicator with a value of 14.16.

# THE LANCET

## InCites™ Journal Citation Reports®

### Journal Impact Factor

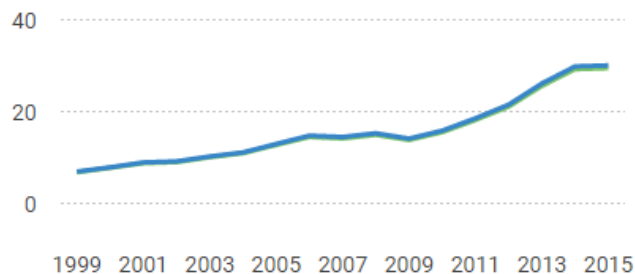
Cites in 2015 to items published in:		2014 = 11651	Number of items published in:		2014 = 271
		2013 = 12418			2013 = 276
		Sum: 24069			Sum: 547
Calculation=	Cites to recent items	24069	= <b>44.002</b>		
	Number of recent items	547			

2 anos

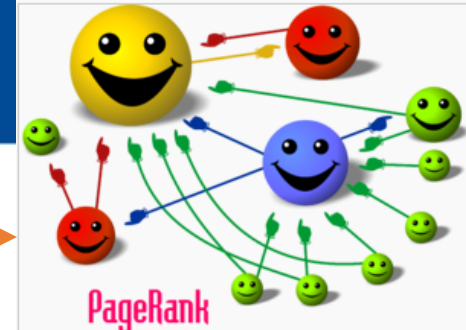
SJR

Scimago Journal & Country Rank

● External Cites per Doc ● Cites per Doc +



3 anos



Nessa ilustração, uma simplificação do sistema do PageRank, cada bola representa uma página e o tamanho de cada uma a sua importância (PageRank). Quanto maior a bola, mais valor tem seu voto: repare que a bola superior vermelha é grande mesmo recebendo só um voto, pois o voto que ela recebe, da bola maior amarela, tem mais valor. Imagem CC-by-SA retirada do F3-Clube do Google

## Journal Indicators

### Ranking Parameters

Subject Area:

Subject Category:

Country:  Year:

Order By:

Display journals with at least:  Citable Docs. (3 years)

Subject Category: **Civil and Structural Engineering.**  
Year: **2007.**



[Download data in MS Excel format \(22 Kb\)](#)

1 - 50 of 102 << First | < Previous | [Next >](#) | Last >>

	Title	SJR	H index	Total Docs. (2007)	Total Docs. (3years)	Total Refs.	Total Cites (3years)	Citable Docs. (3years)	Cites / Doc. (2years)	Ref. / Doc.	Country
1	<a href="#">Applied Mechanics Reviews</a>	0,109	44	18	60	3.940	165	57	2,45	218,89	UNITED STATES
2	<a href="#">IEEE Transactions on Intelligent Transportation Systems</a>	0,085	24	64	130	1.689	315	127	2,24	26,39	UNITED STATES
3	<a href="#">Journal of Composites for Construction</a>	0,077	25	72	185	1.393	222	178	0,94	19,35	UNITED STATES

# ○ SJR e o FI podem ser considerados equivalentes?

TABLE 3. Correlations among the Impact Factor, Immediacy Index, and SJR in the overlap between the journals included in the ISI database and Scopus.

		Impact factor	Immediacy index	SJR
Impact factor	Pearson correlation	1	.877(**)	.796(**)
	Sig. (2-tailed)		.000	.000
	N	6158	6102	6158
Immediacy index	Pearson correlation	.877(**)	1	.671(**)
	Sig. (2-tailed)	.000		.000
	N	6102	6104	6104
SJR	Pearson correlation	.796(**)	.671(**)	1
	Sig. (2-tailed)	.000	.000	
	N	6158	6104	6160

\*\* Correlation is significant at the 0.01 level (2-tailed).

Sim!

# A utilização do FI e do SJR para o Qualis

# Impacto de dois periódicos de mais alto de áreas diversas

Periódico	Área	FI
Ca-A Cancer Journal for Clinicians	Oncologia	131,723
Acta Numerica	Matemática	9,000



## O uso do FI para definição do Qualis dos periódicos nas áreas “Medicina” de 1 a 3 na CAPES

Estratos	Faixas de FI por área de avaliação		
	Medicina I	Medicina II	Medicina III
A1	$\geq 4,3$	$\geq 4,4$	$>4$
A2	Entre 4,29 e 3,13	Entre 4,39 e 3,15	Entre 2,9 e 4
B1	Entre 3,12 e 1,85	Entre 3,14 e 1,98	Entre 1,63 e 2,8
B2	Entre 1,84 e 0,8	Entre 1,97 e 0,8	Entre 0,95 e 1,62
B3	Entre 0,79 e 0,2	Entre 0,2 e 0,79	$< 0,95$
B4	Outros critérios	$< 0,19$	Outros critérios

# Os diferentes padrões de FI das subáreas de uma mesma área de avaliação

Subárea da Medicina	Áreas do JCR	Mediana do FI
CANCEROLOGIA	ONCOLOGY	2,915
CARDIOLOGIA	CARDIAC & CARDIOVASCULAR SYSTEMS	2,186
DERMATOLOGIA	DERMATOLOGY	1,568
ENDOCRINOLOGIA	ENDOCRINOLOGY & METABOLISM	2,955
GASTROENTEROLOGIA	GASTROENTEROLOGY & HEPATOLOGY	2,728
MEDICINA LEGAL E DEONTOLOGIA	MEDICINE, LEGAL	1,442
PNEUMOLOGIA	RESPIRATORY SYSTEM	2,330

## ○ Fator de impacto do **Periódico** para o **Autor** **?**

- Divide-se o número de citações recebidas por um dado autor pelo número de artigos que ele publicou
- Sabidamente é um índice que não funciona, o tamanho da amostragem dos dados não é suficiente para eliminar possíveis distorções

# Indicadores de produção & impacto: Índice H

# O que é o Índice H

- Relação entre a produção (número de trabalhos) do pesquisador e o impacto (número de citações)
- 1 fórmula, várias fontes de dados



# O que é o índice H

- h é o número de artigos publicados por um pesquisador que obtenham um total de citações igual ou superior a h

## Exemplo de índice H: Stephen Hawking

- Stephen Hawking, autor de "Uma Breve História do Tempo": seu h é 74, ou seja, ele já publicou 74 trabalhos que receberam pelo menos 74 citações.

índice H calculado na **WEB OF SCIENCE**



# Stephen W. Hawking

Director of Research, Centre for Theoretical Cosmology, DAMTP  
[applied mathematics](#) - [theoretical physics](#) - [relativity](#) - [quantum theory](#)  
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## Hawking, Stephen W.

Find p

### Personal

Name	Hawking, Stephen W.
Other formats	Hawking, S. W. Hawking, Stephen
Author ID	6701475619
Affiliation	University of Cambridge, Cambridge United Kingdom

### Research

Documents	124	View Author Evaluator    Add to my list    Set alert    Set feed
References	585	
Citations	15841 total citations by 10273 documents  View citation overview    Set alert	
h Index	23	View h-Graph The h Index considers Scopus articles published after 1995.



# Trabalhos ordenados pelo número de citações em ordem decrescente

Publication		Times Cited
1	-----	87
2	-----	70
3	-----	46
4	-----	32
5	-----	19
6	-----	15
7	-----	10
8	-----	9
<hr/>		
9	-----	8
10	-----	6
11	-----	4
12	-----	1

Cut-off

# Para visualizar como é obtido o índice H

- Os artigos de um autor são ordenados de modo decrescente por número de citações, quando o número de artigos coincidir com o número de citações obtem-se o índice H

26. Title: GENETIC STUDIES OF MACUSHI AND WAPISHANA INDIANS .2. DATA ON 12 GENETIC POLYMORPHISMS OF RED-CELL AND SERUM-PROTEINS - GENE FLOW BETWEEN TRIBES  
Author(s): NEEL JV, GERSHOWITZ H, SPIELMAN RS, et al.  
Source: HUMAN GENETICS Volume: 37 Issue: 2 Pages: 207-219 Published: 1977

27. Title: EFFECT OF SEX, AGE AND CULTIVATION TIME ON NUMBER OF SATELLITES AND ACROCENTRIC ASSOCIATIONS IN MAN  
Author(s): MATTEVI MS, SALZANO FM  
Source: HUMANGENETIK Volume: 29 Issue: 4 Pages: 265-270 Published: 1975

28. Title: ABNORMAL HEMOGLOBINS IN A BRAZILIAN NEGRO POPULATION  
Author(s): TONDO CV, SALZANO FM  
Source: AMERICAN JOURNAL OF HUMAN GENETICS Volume: 14 Issue: 4 Pages: 401-& Published: 1962

29. Title: Further evidence for the existence of a major founder Y-chromosome haplotype in Amerindians  
Author(s): Santos FR, Hutz MH, Coimbra CEA, et al.  
Source: BRAZILIAN JOURNAL OF GENETICS Volume: 18 Issue: 4 Pages: 669-672 Published: DEC 1995

30. Title: SKIN COLOUR OF CAINGANG AND GUARANI INDIANS OF BRAZIL  
Author(s): HARRISON GA, SALZANO FM  
Source: HUMAN BIOLOGY Volume: 38 Issue: 2 Pages: 104-& Published: 1966

0	0	1	0	0	32	1.00
0	0	0	0	0	32	0.94
0	0	0	0	0	32	0.68
1	1	1	1	0	30	2.31
0	0	1	0	0	30	0.70

# Google citations





## Bruce Bartholow Duncan

Universidade Federal do Rio Grande do Sul

E-mail confirmado em ufrgs.br

[Epidemiology](#) [Diabetes](#) [Cardiovascular disease](#) [Obesity](#)

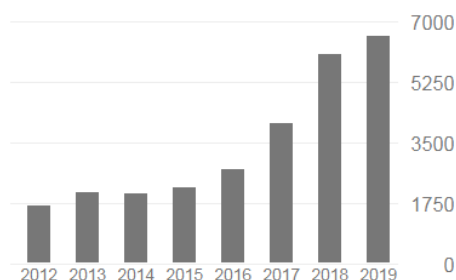
 SEGUIR

TÍTULO	CITADO POR	ANO
<a href="#">Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990–2015: a systematic ...</a> MH Forouzanfar, A Afshin, LT Alexander, HR Anderson, ZA Bhutta, ... The Lancet 388 (10053), 1659-1724	2867 *	2016
<a href="#">Chronic non-communicable diseases in Brazil: burden and current challenges</a> MI Schmidt, BB Duncan, AM Menezes, CA Monteiro, SM Barreto, D Chor, ... The lancet 377 (9781), 1949-1961	1497	2011
<a href="#">Global, regional, and national life expectancy, all-cause mortality, and cause-specific mortality for 249 causes of death, 1980–2015: a systematic analysis for the Global ...</a> H Wang, M Naghavi, C Allen, RM Barber, ZA Bhutta, A Carter, DC Casey, ... The lancet 388 (10053), 1459-1544	1426	2016
<a href="#">Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990–2015: a systematic analysis for the Global Burden of ...</a> T Vos, C Allen, M Arora, RM Barber, ZA Bhutta, A Brown, A Carter, ... The Lancet 388 (10053), 1545-1602	1225	2016
<a href="#">Markers of inflammation and prediction of diabetes mellitus in adults (Atherosclerosis Risk in Communities study): a cohort study.</a> MI Schmidt, BB Duncan, AR Sharrett, G Lindberg, PJ Savage, ... Lancet 353 (9165), 1649	1164	1999

Citado por

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	Todos	Desde 2014
Citações	37253	23872
Índice h	94	64
Índice i10	261	221



# Fator de impacto e Índice H

FI	H					FI	H
Alto	Alto	+	Produtivos	+	Produtivos	Baixo	
	Baixo	+	Citados	-	Citados		
Baixo	Alto	-	Produtivos	-	Produtivos		
	Baixo	+	Citados	-	Citados		

Legenda:

FI= Fator de Impacto

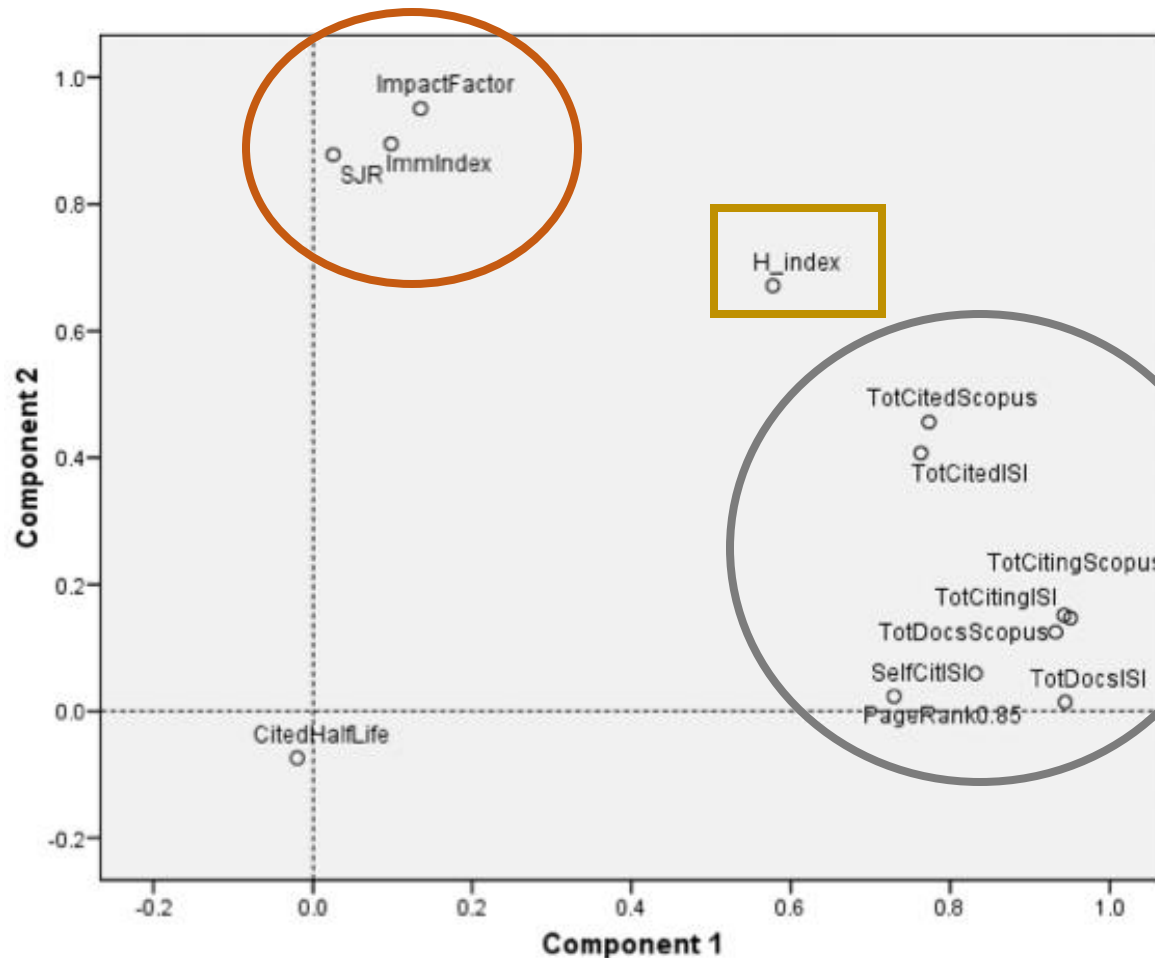
H = Índice H

Alto

Baixo

# O que medem os diferentes indicadores?

Impacto



Produção

# A utilização do Índice H para o Qualis

## ○ Índice H do **Autor** para o **Periódico** **?**

- Eu posso deduzir o impacto de um artigo pela relação entre a produção-e-o-impacto de um periódico?



# Isso faz sentido para o Qualis?

**Não!**

← CA: A Cancer Journal for Clinicians

Índice h5:64   Mediana h5:164

Título / Autor	Citado por	Ano
<a href="#">Cancer statistics, 2016</a> RL Siegel, KD Miller, A Jemal CA: A Cancer Journal for Clinicians 66 (1), 7-30	<u>27236</u>	2016
<a href="#">Cancer statistics, 2014</a> R Siegel, J Ma, Z Zou, A Jemal CA: A Cancer Journal for Clinicians 64 (1), 9-29	<u>25802</u>	2014
<a href="#">Global cancer statistics, 2012</a> LA Torre, F Bray, RL Siegel, J Ferlay, J Lortet-Tieulent, A Jemal CA: A Cancer Journal for Clinicians 65 (2), 87-108	<u>19091</u>	2015
<a href="#">Cancer statistics, 2015</a> RL Siegel, KD Miller, A Jemal CA: A Cancer Journal for Clinicians 65 (1), 5-29	<u>11620</u>	2015
<a href="#">Cancer statistics in China, 2015</a> W Chen, R Zheng, PD Baade, S Zhang, H Zeng, F Bray, A Jemal, XQ Yu, ... CA: A Cancer Journal for Clinicians 66 (2), 115-132	<u>7734</u>	2016

Sequenciamento pelo Percentil de h5 (Classificação 1)	Sequenciamento pela presença em bases indexadoras (Classificação 2)	Estratificação do Qualis 2019 da Área-Mãe Psicologia
B1	A1	A3
B1	A2	A4
B1	A3A4	B1
B1	B1B2	B1
B1	B3B4	B2
B1	C	B3
B2	A1	A4
B2	A2	B1
B2	A3A4	B1
B2	B1B2	B2
B2	B3B4	B2

Qualis para que?

# O Qualis era importante quando não tínhamos tecnologia para coletar facilmente dados de citações para artigos



Resultado da Busca


DOI é um exemplo

13. [doi>](#) Acuna-Alonzo, V. ; Flores-Dorantes, T. ; Kruit, J. K. ; Villarreal-Molina, T. ; Arellano-Campos, O. ; Hunemeier, T. ; Moreno-Estrada, A. ; Ortiz-Lopez, M. G. ; Villamil-Ramirez, H. ; Leon-Mimila, P. ; Villalobos-Comparan, M. ; Jacobo-Albavera, L. ; Ramirez-Jimenez, S. ; Sikora, M. ; Zhang, L.-H. ; Pape, T. D. ; Granados-Silvestre, M. d. A. ; Montufar-Robles, I. ; Tito-Alvarez, A. M. ; Zurita-Salinas, C. ; Bustos-Arriaga, J. ; Cedillo-Barron, L. ; Gomez-Trejo, C. ; Barquera-Lozano, R. ; Vieira-Filho, J. P. ; Granados, J. ; Romero-Hidalgo, S. ; Huertas-Vazquez, A. ; Gonzalez-Martin, A. ; Gorostiza, A. ; BONATTO, S. L. ; Rodriguez-Cruz, M. ; Wang, L. ; Tusie-Luna, T. ; Aguilar-Salinas, C. A. ; Lisker, R. ; Moises, R. S. ; Menjivar, M. ; Salzano, F. M. ; Knowler, W. C. . A functional ABCA1 gene variant is associated with low HDL-cholesterol levels and shows evidence of positive selection in Native Americans. Human Molecular Genetics <sup>JCR</sup>, v. 19, p. 2877-2885, 2010.   
Citado 8 vezes no WEB OF SCIENCE™ Citado 9 vezes no SCOPUS
14. [doi>](#) SALZANO, FM . Genomics and Evolution A Personal Appraisal. Cytogenetic and Genome Research, v. 128, p. 99-104, 2010.
15. [doi>](#) Folle, Gustavo A. ; Salzano, Francisco M. . Laudatio Máximo E. Drets. Cytogenetic and Genome Research, v. 128, p. 6-7, 2010.
16. [doi>](#) TOVO-RODRIGUES, L. ; CALLEGARI-JACQUES, SM ; PETZL-ERLER, ML ; TSUNETO, L.T. ; SALZANO, FM ; HUTZ, MH . Dopamine Receptor D4 allele distribution in Amerindians: a reflection of past behavior differences?. American Journal of Physical Anthropology <sup>JCR</sup>, v. 143, p. 458-464, 2010.   
Citado 1 vez no WEB OF SCIENCE™ Citado 1 vez no SCOPUS
17. [doi>](#) HAAG, T. ; SANTOS, A. S. ; SANA, D. A. ; MORATO, R. G. ; CULLEN JR, L. ; CRAWSHAW JR, P. G. ; DE ANGELO, C. ; DI BITE TI, M. S. ; Salzano, F. M. ; EIZIRIK, E. . The effect of habitat fragmentation on the genetic structure of a top predator: loss of diversity and high differentiation among remnant populations of Atlantic Forest jaguars (Panthera onca). Molecular Ecology (Print) <sup>JCR</sup>, v. 19, p. 4906-4921, 2010.   
Citado 2 vezes no WEB OF SCIENCE™ Citado 3 vezes no SCOPUS
18. [doi>](#) Hünemeier, Tábita ; Ruiz-Linares, Andres ; Silveira, Álvaro ; Paixão-Côrtes, Vanessa Rodrigues ; Salzano, Francisco M. ; Bortolini, Maria Cátira . Brief communication: Population data support the adaptive nature of HACNS1 sapiens/neandertal-chimpanzee differences in a limb expression domain. American Journal of Physical Anthropology <sup>JCR</sup>, v. 143, p. 478-481, 2010.   
Citado 1 vez no WEB OF SCIENCE™ Citado 1 vez no SCOPUS



# Muito Obrigada!

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