



# SCImago and ISI's Journal Citation Reports(JCR) role in Bibliometric Mapping Studies

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## Introduction

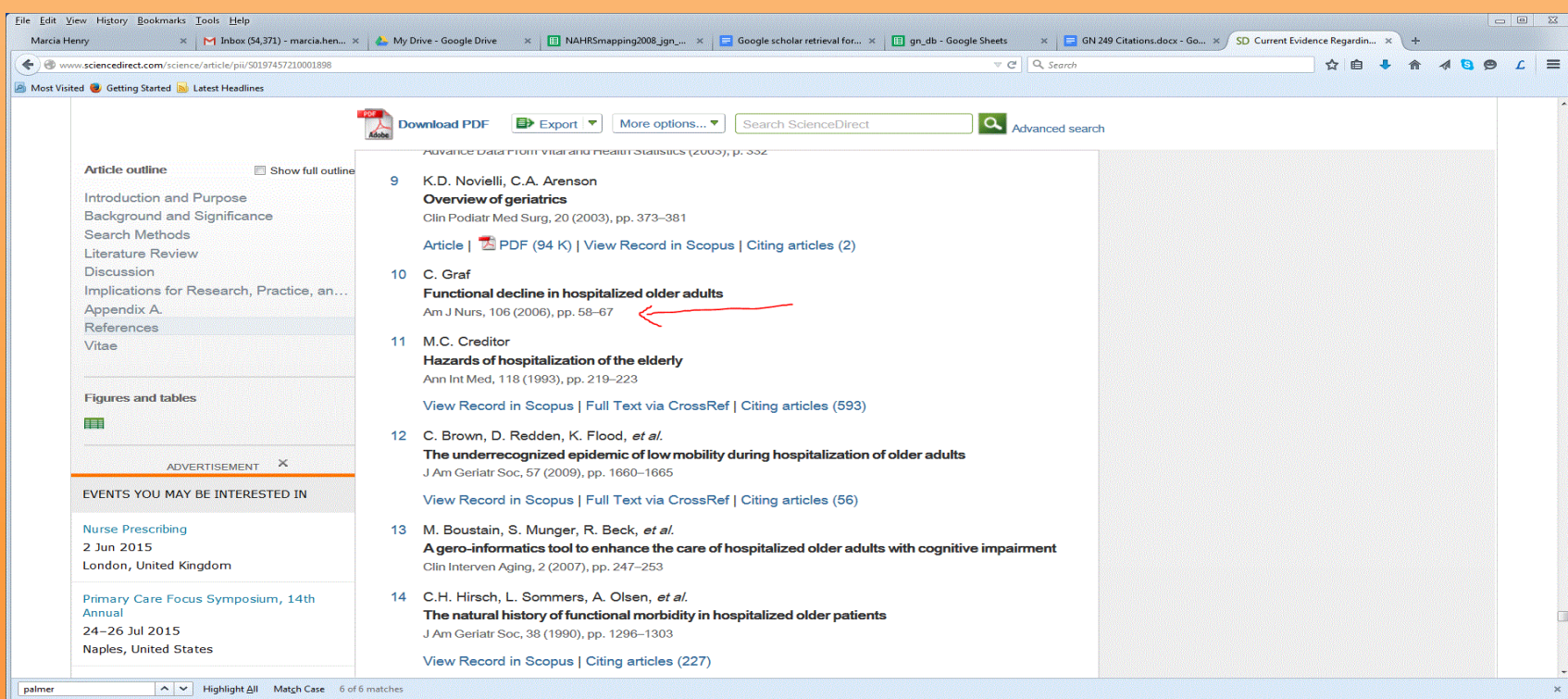
This study investigates whether SCImago and/or JCR may complement the findings of manual citation mapping studies conducted on gerontological nursing journals in 1996-98 and 2008-2010 for two journals: *Geriatric Nursing* and *Journal of Gerontological Nursing*. This poster was presented, in part, at the INANE Meeting 2014.

## Objectives

- Identify newer frequently cited journals useful for gerontology/nursing and compare results to Journal Citation Reports (JCR), SCImago Journal Ranking (SJR), NAHRS Selected List of Journals, Google Metrics
- Study inaccurate citations in *Geriatric Nursing* and start a dialog with the publisher (Elsevier) on possibility of manual mapping studies can help improve cited references.

## Example of missing Scopus link

- Manual review of citations of *Geriatric Nursing* shows there are outstanding non linked cited references which have been highly cited but the Scopus link is missing. In the example below, the last page number is wrong.



## References

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**Data Collection:** Dorice Vieira, NYU School of Medicine conducted the first mapping study, 1996-1998 in two journals.

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## Methods

- Several methodologies were employed to determine high impact journals.
- Two mapping studies, 1996-1998 (Vieira 2006) and 2008-2010 (Henry, Antunez, Vieira, & Randell 2013) examined citations in *Geriatric Nursing* and *Journal of Gerontological Nursing* - Cited references in these articles were populated into an Excel spreadsheet containing article characteristics (e.g., source journal, source year). When possible, journal title changes were corrected and the National Library of Medicine (NLM)'s Journal Database was used to standardize the journal title abbreviations. The list of cited references was analyzed and divided into two zones (Zones 1 and 2) according to Bradford's Law of Scattering in the NAHRS Mapping the Literature of Nursing Project Protocol.
  - Authors reviewed highly cited titles in Journal Citation Reports (JCR- a subscription database from ISI) and SCImago (free web tool which gathers information from the Scopus database, a subscription database from Elsevier, as well as Google Metrics.
  - Data also extracted from Holkup P.A. (2001) article, published in *Journal of Gerontological Nursing*. The authors examined if heavily cited titles are listed in the NAHRS 2012 Selected List of Nursing Journals.

## Results

**Table 2. Selective list of highly cited journal titles in gerontological nursing (Update to Holkup June 2001 article in *Journal of Gerontological Nursing*)**

Journal Title and Comments	Bibliometric Tools and Lists				
	Start Print Year/ Online Year	JCR 2013	SCImago	NAHRS	Google Metrics
<i>International Journal of Geriatric Psychiatry (Wiley)</i>	1986	✓	✓		✓
<i>Age and Ageing (Oxford University Press)</i>	1972	✓	✓		✓
<i>Aging and Mental Health</i>	1997	✓	✓		✓
<i>Alzheimer Disease and Associated Disorders (CINAHLPlus 2008- )</i>	1987/2008	✓	✓		✓
<i>American Journal of Alzheimer's Disease Other Dementias (LWW)</i>	1987	✓			✓
<i>International Journal of Older People Nursing (Wiley)</i>	1992		✓	✓	✓
<i>Research in Nursing and Health (Wiley) (in CINAHL since 2005)</i>	1978	✓	✓		✓
<i>Cochrane Database of Systematic Reviews (Wiley)</i>	1996	✓	✓		✓
<i>American Journal of Geriatric Psychiatry (Elsevier)</i>	1993	✓	✓		✓
<i>Psychology and Aging (PsychArticles APA)</i>	1986	✓	✓		✓
<i>Archives of Psychiatric Nursing (Science Direct)</i>	1987	✓	✓	✓	✓
<i>Journal of Pain and Symptom Management (ScienceDirect)</i>	1995	✓	✓	✓	✓

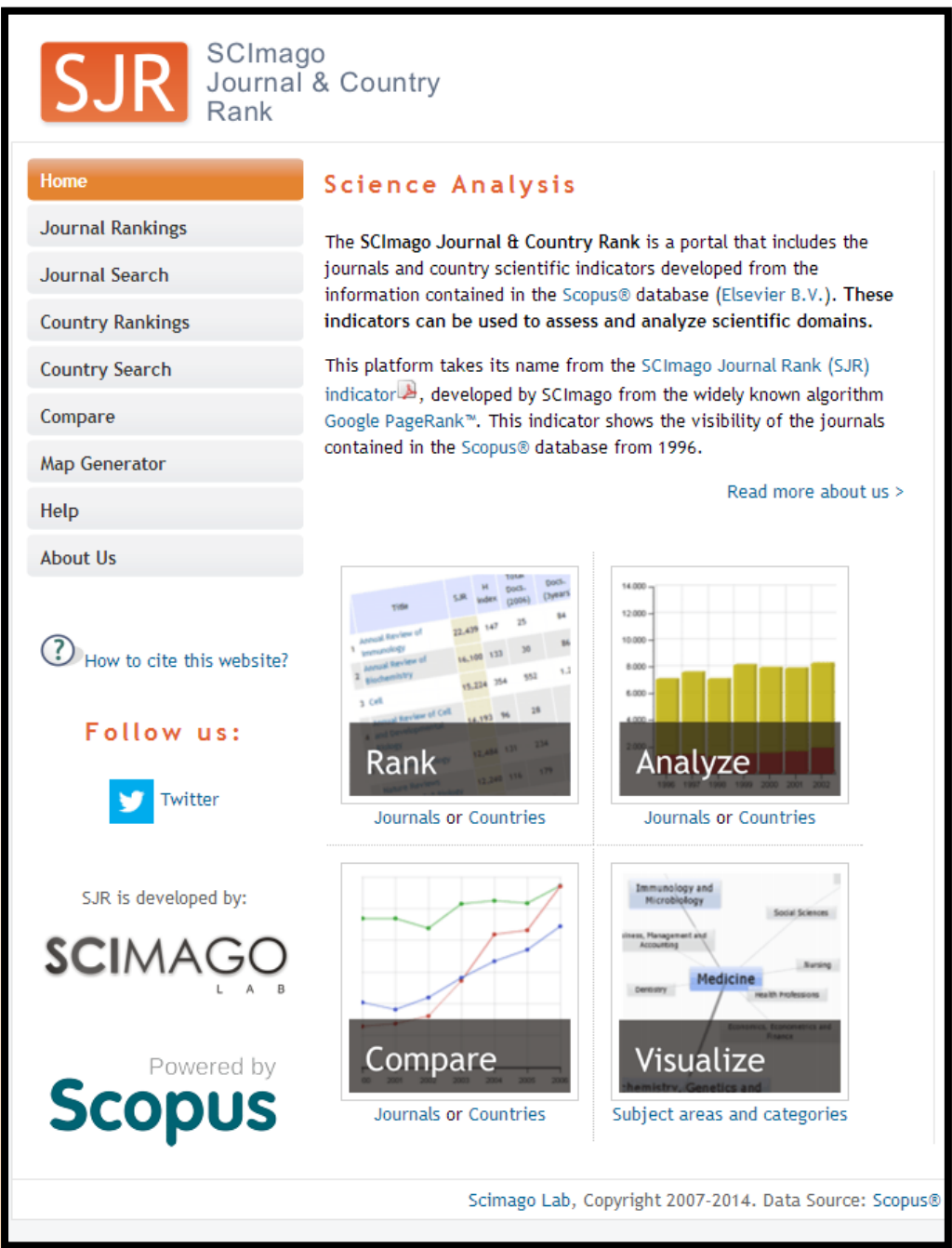
## Discussion

Table 2. "Selective List of Highly Cited Journal Titles in Gerontological Nursing" does NOT include general medical titles, such as *JAMA*, *New England Journal of Medicine*, *Annals of Internal Medicine* nor the established gerontological titles : *Journal of the American Geriatric Society*, *Gerontologist*, *Journal of Gerontology A & B*, *Geriatric Nursing* and *Journal of Gerontological Nursing* because of space limitations. These and other titles have been and still are very highly cited. The goal was to point out titles related to Geriatrics and Gerontology and Nursing especially if they started publication in the last 25 years. Other specialized, highly cited medical, journals, e.g. *Dysphagia*, *Sleep*, *Chest*, are not included in this discussion.

Original poster given at the INANE conference, Portland, ME 2014 reported on JCR 2012, This poster reports availability in JCR 2013, and with the exception of one title, all the other titles are now in the latest JCR

Recently more home pages of journals offer journal metrics such as journal impact factor and where the journal is indexed. Some publishers give guidance on how to cite each article. This makes journal titles or abbreviations more consistent.

## Bibliometric Tools, Lists: Snapshots and Features



## SCImago

SJR rankings alternative to IF

Metrics for 20,000 journals

Related to Scopus from Elsevier

## 2012 NAHRS Selected List of Nursing Journals

- Acceptance rates
- Turn around time
- Publisher home page links
- Average number of reviewers

Medical Library Association (MLA)		Information on article review process from the NAHRS/INANE Survey of Nursing – 2011					
Nursing and Allied Health Resources Section (NAHRS) <a href="http://nahrs.mlanet.org">http://nahrs.mlanet.org</a>		Responses for titles on the Selected list. Based on annual number/average reported, using median when possible. Range requested/reported for last column. NR = No Response to question. Blank row indicates no Editors/publishers. Please email pegallen67@gmail.com to update your information or request survey link					
2012 NAHRS Selected List of Nursing Journals		Reviewers @ Article	Electronic Process	Articles Submitted	Articles Accepted	Acceptance Rate	Time to Review
Current Title	Journal URL						Acceptance % Publication Print/Online
Journal of Family Nursing 1995-	<a href="http://www.sagepub.com/journals/fam">http://www.sagepub.com/journals/fam</a>	4 or more	Yes	100	25	25%	8 wks 24/24 wks
Journal of Gerontological Nursing 1975-	<a href="http://www.slackjournals.com/journals/jgn">http://www.slackjournals.com/journals/jgn</a>	2	Yes	123	38	31%	8 wks 12/10 wks
Journal of Holistic Nursing 1983-	<a href="http://www.sagepub.com/journals/hln">http://www.sagepub.com/journals/hln</a>						
Journal of Hospice and Palliative Nursing 1999-	<a href="http://edmgr.evid.com/jhpn">http://edmgr.evid.com/jhpn</a>	2	Yes	62	48	77%	3 wks 36/30ks

## Conclusions and Solutions

JCR (a subscription database) identified comparable ranks for highly cited journals in our two source journals, *Geriatric Nursing* and *Journal of Gerontological Nursing*. The Henry, Antunez, Vieira, & Randell's (2013) manual mapping study which used the Medical Library's Association's NAHRS mapping protocol includes correcting citations and therefore often identifies higher numbers for times cited. Manual citation mapping of online journals is a clear reminder of the importance of using a consistent citing style and journal abbreviations. When the authors have started a conversation with Elsevier, publisher of *Geriatric Nursing*. The reassurance is "Scopus has more elaborate reference matching technology than Science Direct's reference matching," and the hope is the fuzzy logic program will be extended to improve the missing links in the online journals- "human matching is not realistically possible. We use highly automated routines."