

Background

The otorhinolaryngology nursing specialty journal, *ORL-Head and Neck Nursing (ORL-HNN)*, is celebrating its 25th anniversary in 2007. The journal staff established the goals of archiving and analyzing all published content to assess the journal's impact.

Objectives

- Determine the most highly-cited articles published in *ORL-HNN*.
- Identify other clinical and academic specialties using or citing articles from *ORL-HNN*.
- Inform SOHN members of reasons to track citations and citation tracking resources.

Methods

1. An EndNote® library was created of all articles published in *ORL-HNN* between 1982 and 2007. "Article" was defined by inclusion as a citation in Medline® (PubMed®) or the Cumulative Index to Nursing and Allied Health Literature (CINAHL®).
2. Citations to all articles published in *ORL-HNN* from 1982 to 2007 were searched using 4 databases and 1 search engine:
 - Web of Science®
 - Scopus®
 - CINAHL®
 - PsycINFO®
 - Google Scholar®
3. The records for each cited article, including data on the citing articles, were downloaded to separate EndNote® libraries. Duplicate citations were removed to determine the number of unique citations for each original article.
4. To determine the *most-cited papers*, the unique citations to each paper were summed. To determine the *most-cited authors*, the unique citation counts for each article were summed to derive an overall citation count for each author.
5. To determine the *most prolific author*, all articles published were counted (excluding editorials, media reviews, presidential addresses/perspectives, consultation forum, and letters to the editor).
6. The subject categories of journals citing *ORL-HNN* articles were determined using *ISI Journal Citation Reports® (JCR)* and *Ulrich's Periodicals Directory®*.

Results

- 682 articles have been published in *ORL-HNN* from 1982 v.1 to 2007 v.1
- *Most-cited paper*: Susan Rudy (30 times) "A Review of Delphi Surveys" (1996)
- *Most-cited first author*: Mary Jo Dropkin (51 times)
- *Most prolific author*: Linda Clarke (27 articles)
- In order of retrieval of number of citations to *ORL-HNN* articles: CINAHL®, Scopus™, Web of Science™, Google Scholar™ & PsycINFO™
- 74 different subject categories of journals cited *ORL-HNN* articles

Conclusion

Citations studies can demonstrate that articles have a wide impact both within the journal's primary academic discipline and beyond it. While the citation index published by ISI *Web of Knowledge* remains an important tool for identifying related articles, other resources may also identify unique citations.



Most-Cited *ORL-HNN* Articles

Times Cited	Article Citation
30	Rudy, S.F. (1996). Research forum: A review of Delphi surveys conducted to establish research priorities by specialty nursing organizations from 1985 to 1995. <i>ORL-Head and Neck Nursing</i> , 14(2), 16-24.
26	Dropkin, M.J. (1997). Coping with disfigurement/dysfunction and length of hospital stay after head and neck cancer surgery. <i>ORL-Head and Neck Nursing</i> , 15(1), 22-26.
18	Dropkin, M.J. & Ward, D.W. (1983). Body image reintegration and coping effectiveness after head and neck surgery. <i>Journal: Society of Otorhinolaryngology Head-Neck Nurses</i> , 2(1), 7-16.

Most-Cited First Authors in *ORL-HNN*

Times Cited	First Author	Articles Cited Most Frequently
51	Mary Jo Dropkin	"Coping w/disfigurement" (1997) & "Body image reintegration" (1983)
47	Susan F. Rudy	"Review of Delphi studies" (1996) & "SOHN Delphi survey results" (1998)
21	Michael H. Ackerman	"The effect of normal saline bolus instillation in artificial airways" (1990)
12	Helene J. Krouse	"Endoscopic sinus surgery" (1997) & "Impact of tracheostomy" (2004)
12	Mary-Ann Minsley	"Long-term care of trach patient" (1996) & "Nursing management" (1997)

Journals Most Frequently Citing *ORL-HNN* Articles

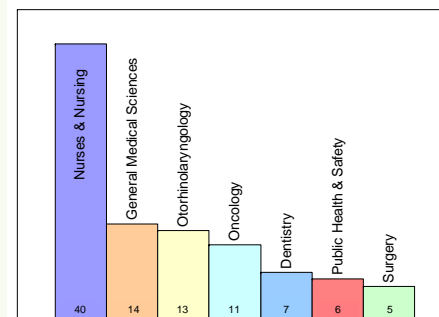
ORL-Head and Neck Nursing	33
American Journal of Critical Care	7
Cancer Nursing	5
Clinical Journal of Oncology Nursing	5
Journal of Laryngology and Otology	5
Journal of Advanced Nursing	4
Journal of Prosthetic Dentistry	4
Laryngoscope	4
Critical Care Nurse	3
Int'l Jnl of Oral & Maxillo Surg	3
Otolaryngology-Head & Neck Surg	3

Nursing Journals =
 Other Journals =

Languages of Journals Citing *ORL-HNN* Articles



Subjects of Journals Most Frequently Citing *ORL-HNN*



156 Journals from 74 Subject Categories Cited *ORL-HNN* Articles

Examples of Non-Nursing Subjects Journals Citing *ORL-HNN*

Aeronautics & Space Flight	Insurance
Alternative Medicine	Linguistics
Engineering	Orthopedics
Environmental Studies	Pharmacology
Gerontology	Psychology
Health Care Sciences	Toxicology

Calculating the Impact of *ORL-HNN*

2006 calculated Impact Factor* for *ORL-HNN* = 0.3556

2006 calculated h-index** for *ORL-HNN* = 11

Nursing journals ranked by ISI have impact factors ranging from 2.058 (*Birth Issues in Perinatal Care*) to 0.373 (*Geriatric Nursing*). ISI calculates an impact factor for 36 nursing journals.

*The annual JCR impact factor is a ratio between citations and recent citable items published. Thus, the impact factor of a journal is calculated by dividing the number of current year citations to the source items published in that journal during the previous two years by the number of published articles in that journal during the previous two years.
 **The h-index was proposed by Jorge Hirsch in 2005 as an alternative to the impact factor. The h-index quantifies scientific productivity and the impact of a scientist based on the set of his/her most quoted papers and the number of citations that they have received in other people's publications. For example, an author or journal with an h-index of 30 has written at least 30 papers that have each had at least 30 citations. This metric is useful because it takes into account the uneven weight of highly cited papers or papers that have not yet been cited.