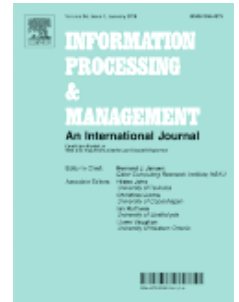


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Top Cited papers from Information Processing & Management

(<https://www.journals.elsevier.com/information-processing-and-management>) Welcome from Jim Jansen

Editor-in-chief, *Information Processing & Management* ↗



This article selection coincides with the 80th Annual Meeting of the Association for Information Science and Technology (ASIS&T) ↗ and the 40th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR) ↗ .

The articles presented here are the two most highly cited articles published in *Information Processing & Management* ↗ during each respective decade from the seventies onward. The articles are based on citations from ScienceDirect ↗ , located by professionals from Elsevier. Although *Information Processing & Management* was founded in 1963, the earliest articles in ScienceDirect are from 1975, so for consistency, we start then.

As I reviewed the titles and read each of the articles, I looked for trends that tied them together, which is a natural tendency with both humans and many of the algorithms that we humans create. At first glance, the manuscripts might seem to be a dichotomous bunch, but there is a trend that speaks well for *Information Processing & Management* as an outlet for a certain type of research manuscript. The phrase that best describes this trend to me is **computational information science**.

Based on the articles here, and many of the other articles published in *Information Processing & Management*, it seems that computational information science shows a respect for mixed methods and the strengths of the combined quantitative and qualitative approaches. An appreciation for both the algorithmic and the heuristic. Esteem for both the number and word. Given this, it is no wonder that these articles are highly cited – they appeal to, and have an impact across many domains!

Please enjoy these impactful and highly cited research articles!

These articles are free for you to access online until 2 April 2018.



A collaborative filtering similarity measure based on singularities ↗

Volume 48, Issue 2, March 2012, Pages 204-217

Jesús Bobadilla, Fernando Ortega, Antonio Hernando

Theories, methods and current research on emotions in library and information science, information retrieval and human–computer interaction ↗

Irene Lopatovska, Ioannis Arapakis

Volume 47, Issue 4, July 2011, Pages 575-592

A systematic analysis of performance measures for classification tasks ↗

Marina Sokolova, Guy Lapalme

Volume 45, Issue 4, July 2009, Pages 427-437

Real life, real users, and real needs: a study and analysis of user queries on the web ↗

Bernard J. Jansen, Amanda Spink, Tefko Saracevic

Volume 36, Issue 2, 1 March 2000, Pages 207-227

Information behaviour: An interdisciplinary perspective ↗

T.D. Wilson

Volume 33, Issue 4, July 1997, Pages 551-572

Task complexity affects information seeking and use ↗

Katriina Byström, Kalervo Järvelin

Volume 31, Issue 2, March–April 1995, Pages 191-213

Recent trends in hierarchic document clustering: A critical review ↗

Peter Willett

Volume 24, Issue 5, 1988, Pages 577-597

Term-weighting approaches in automatic text retrieval ↗

Gerard Salton, Christopher Buckley

Volume 24, Issue 5, 1988, Pages 513-523

Citation influence for journal aggregates of scientific publications: Theory, with application to the literature of physics ↗

Gabriel Pinski, Francis Narin

Volume 12, Issue 5, 1976, Pages 297-312

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