

# 学术影响力评价指标之间的相关性分析—— 基于医学领域某一细分学科的视角

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## 摘要

随着科学计量学和科研评价实践的发展, 以h指数为代表的学术影响力评价指标不断发展完善, 诸多学者对其与以影响因子为代表的传统计量学指标的相关性进行了研究。然而很多或未严格考虑研究对象的一致性(如期刊在相同时间区域的载文), 或未考虑跨学科比较的差异性等。本研究选择JCR 2009年版收录的心脏与心血管系统学科下的期刊为对象, 统计各期刊的载文量、总被引次数、影响因子、特征因子、h指数和相对h指数6个指标数据, 并对其进行相关性分析, 从而了解医学领域某一细分学科学术影响力指标之间的相互关系, 以期为实际应用时提供理论基础与事实依据。

## 关键词

期刊h指数, 相对h指数, 特征因子, 学术影响力, 相关性分析

## Abstract

With the development of scientometrics and scientific evaluation practice, the academic influence evaluation indicators represented by h-index continued to evolve, and were compared with the traditional bibliometrics evaluation indicators such as impact factor by many scholars. However, many of those studies didn't strictly consider the consistency of research objects (such as journal papers in the same time zone), or not consider the differences between the cross disciplinary and so on. This paper selected all journals of Cardiac & Cardiovascular Systems included by JCR 2009, and gathered statistics of journal papers, total citation counts, impact factor, eigenfactor, h-index, and relative h-index as well as the relationship among them, so as to understand the relationship between indicators in specific discipline and to provide theoretical foundation and basis for the practical application.

## Keywords

Journals H-Index, Relative H-Index, Eigenfactor, Academic Influence, Correlation Analysis

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