

如何計算期刊名稱變更後的Impact Factor

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期刊刊名經常會有合併改隸的問題，當使用者利用Journal Citation Reports（以下簡稱JCR）資料庫查詢期刊的Impact Factor（以下簡稱IF值）時，如遇到期刊刊名變更的情況，可能會發現變更後的新刊名，其IF值可能會較變更前的IF值來得低，而IF值對許多使用者而言，是會影響到績效或升等的結果，因此，使用者便會希望選擇IF值較高的那一筆。

事實上，期刊刊名的變更的確會影響到期刊IF值的計算結果，而且ISI公司並不會將新舊期刊的資料予以合併，但為使期刊IF值的計算結果達到連貫性，使用者可以將新舊期刊的IF值加以合併計算，以獲取一個整合性的影響係數，而非去挑選IF值較高的結果。本文將以範例來說明如何針對新舊期刊的IF值進行合併計算。

一、如何確知期刊刊名之變更

◎於JCR中點選「Journal Title Changes」，即可看到期刊刊名變更清單。

Journal Citation Reports®

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2007 JCR Science Edition

Journal Title Changes

Journal Summary List

Journals from: All Journals

Sorted by: Journal Title SORT AGAIN

Journals 1 - 20 (of 6417)

Ranking is based on your journal and sort selections.

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	Total Cites	Impact Factor	Immediacy Index	Articles	Cited Half-life
<input type="checkbox"/>	1	AAPG BULL	0149-1423	5002	1.273	0.373	75	>10.0
<input type="checkbox"/>	2	AAPS J	1550-7416	686	3.756	0.605	38	2.0
<input type="checkbox"/>	3	AAPS PHARMSCITECH	1530-9932	628	1.351	0.043	94	3.7
<input type="checkbox"/>	4	AATCC REV	1532-8813	311	0.478	0.055	55	4.5

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JOURNAL TITLE CHANGES - 2007 Science Edition

A listing of journal title changes are provided below for all changes occurring in the past two years (the JCR Edition year and one preceding year). The listing is in alphabetical order by journal title. The following information is provided for each journal.

- New title(s)
- Superseded title(s)
- Type of change (change, split, merge)
- Year change occurred

Journal titles may change frequently. Some journals cease but are replaced by others, some may grow and split into sections, and others may narrow their interest and merge with other journals under old or new titles. These changes can be problematic as we seek to describe journal relationships over periods of time. Impact factors, for example, are affected when journal titles change, as discussed in detail in [Using the JCR Wisely](#). In the event of a title change, we refrain from combining data on the basis of lineage, except where a title change has been so minor that it does not affect the title's position alphabetically.

ACTA PHYSIOL	changed from	ACTA PHYSIOL SCAND	2006
ACTA PHYSIOL SCAND	changed to	ACTA PHYSIOL	2006
ANAT EMBRYOL	changed to	BRAIN STRUCT FUNCT	2007
ANIM RES	merged into	ANIMAL	2007
ANIM SCI	merged into	ANIMAL	2007
ANIMAL	merged from	ANIM RES	2007
ANIMAL	merged from	ANIM SCI	2007

二、如何查詢期刊的IF值

◎以ACTA PHYSIOL為例，其刊名變更情況如下表所示：

ACTA PHYSIOL	changed from	ACTA PHYSIOL SCAND	2006
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◎分別以ACTA PHYSIOL和ACTA PHYSIOL SCAND進行查詢，以取得新舊刊名之IF值

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	Total Cites	Impact Factor	Immediacy Index	Articles	Cited Half-life
<input type="checkbox"/>	1	ACTA PHYSIOL	1748-1708	206	1.602	0.304	102	1.5

Journal Impact Factor ⓘ								
Cites in 2007 to articles published in: 2006 =157 Number of articles published in: 2006 =98								
2005 =0 2005 =0								
Sum: 157 Sum: 98								
Calculation: $\frac{\text{Cites to recent articles}}{\text{Number of recent articles}} = \frac{157}{98} = 1.602$								

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	Total Cites	Impact Factor	Immediacy Index	Articles	Cited Half-life
<input type="checkbox"/>	1	ACTA PHYSIOL SCAND	0001-6772	6338	2.554		0	>10.0

Journal Impact Factor ⓘ								
Cites in 2007 to articles published in: 2006 =6 Number of articles published in: 2006 =0								
2005 =252 2005 =101								
Sum: 258 Sum: 101								
Calculation: $\frac{\text{Cites to recent articles}}{\text{Number of recent articles}} = \frac{258}{101} = 2.554$								

三、以ACTA PHYSIOL為例，合併計算新舊刊名之IF值為2.085

◎依照IF值的公式，將新舊刊名的數值合併計算：

$$\frac{\text{Cites to recent articles}}{\text{Number of recent articles}} \rightarrow \frac{157+258}{98+101} = \frac{415}{199} = 2.085$$