

Journal Citation Reports® 2013年

期刊引文分析報告的使用和檢索

碩睿資訊有限公司
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大綱

- **學術期刊評估性工具的重要**
- **Journal Citation Reports 的簡介**
- **Journal Citation Reports 的檢索**
- **Journal Citation Reports 指標介紹**
- **Journal Citation Reports 用途與結論**

JCR

了解學術期刊的評估性工具

研究發表工具之利用

讓您的發表與國際研究社群接軌

ResearcherID.com

引文索摘分析工具

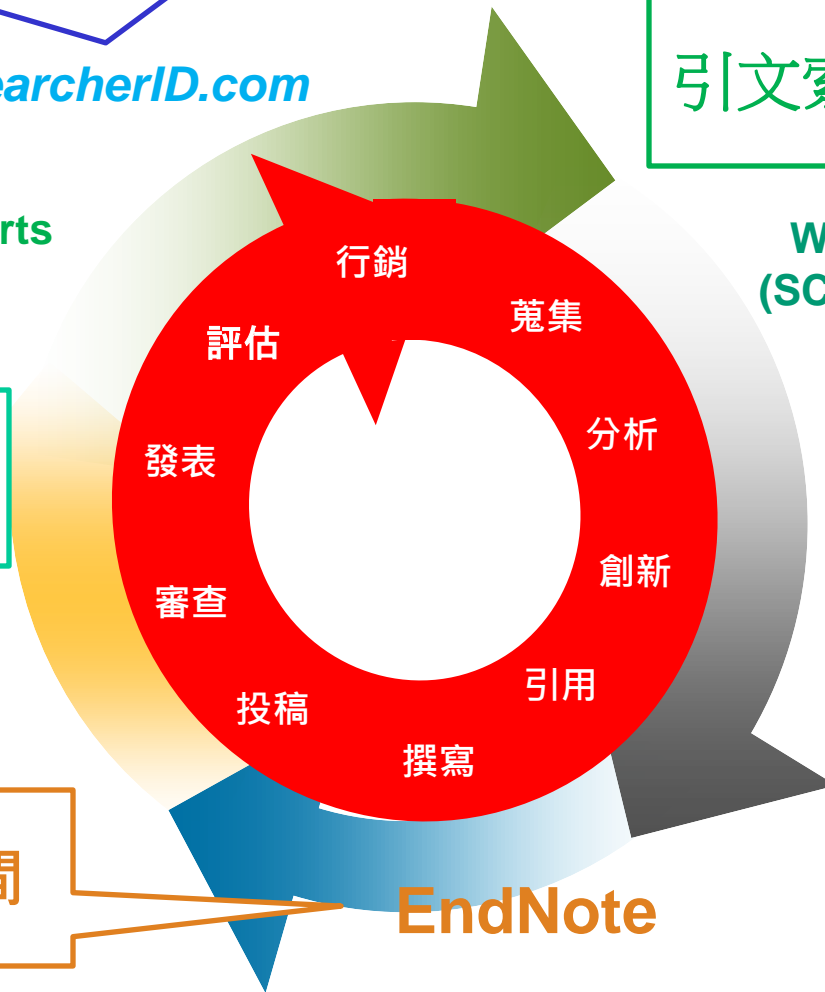
Web of Science
(SCIE, SSCI, AHCI)

Journal Citation Reports
(JCR)

發表評估的工具

加速您的發表時間

EndNote



利用JCR了解學術期刊的重要性

- 某個學科領域中，哪些期刊在學科領域中**影響力最大**？
- 哪些期刊是**綜合學科性的期刊**？
- 哪些期刊是被學者們經常利用和引用的？
- 哪些期刊是熱門期刊(引用&被引用)？
- 指導研究人員有選擇的瀏覽學術期刊，並且結合實際有選擇的投稿。
- 可以為圖書館的**選刊工作**提供依據，並可以為每種期刊存放多久後即可歸檔，提供一個合適的時間參考。

JCR

收錄內容簡介

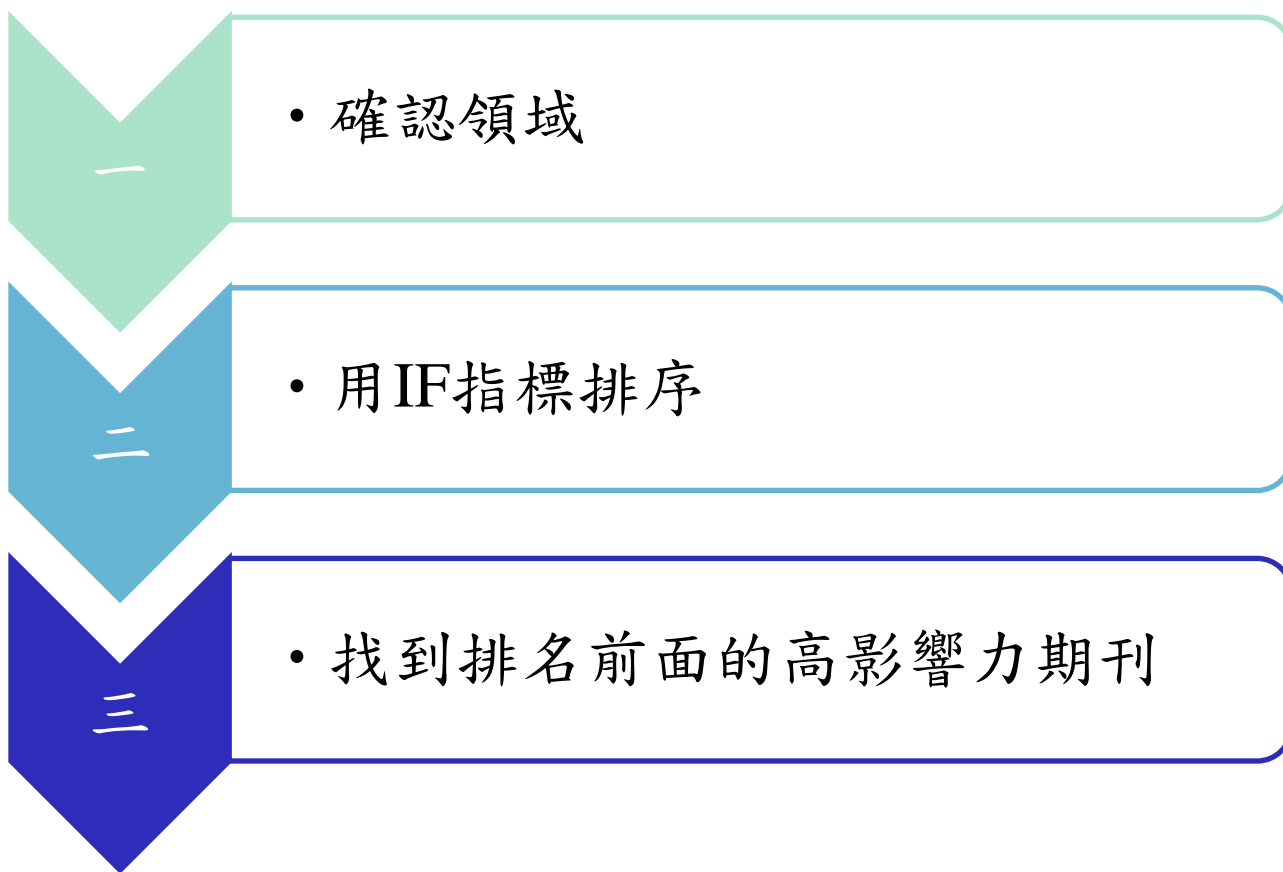
Journal Citation Reports

- 內容分為兩個版本
 - **JCR Science Edition**：提供科學專輯**175**個領域**8474**本期刊的引文分析資訊
 - **JCR Social Sciences Edition**：提供社會科學專輯中所收錄的社會科學**57**個學科領域**3045**本期刊的引文分析資訊
 - 將近2,600家出版社，來自83個國家的代表資料

Journal Citation Reports

- JCR對每種被收錄的期刊，都會提供以下的統計數據：
 - 引文和論文數量，影響指數，立即指數，被引用半衰期，引用半衰期，期刊原始資料，引用期刊列表，被引用期刊列表，主題分類，出版社資訊，期刊刊名變化等

- 情境一：我想知道我所屬的領域中，哪些是高影響力的期刊？



Select a JCR edition and year:	Select an option:
<input checked="" type="radio"/> JCR Science Edition <input type="text" value="2013"/> ▾	<input checked="" type="radio"/> View a group of journals by <input type="text" value="Subject Category"/> ▾
<input type="radio"/> JCR Social Sciences Edition <input type="text" value="2013"/> ▾	<input type="radio"/> Search for a specific journal
	<input type="radio"/> View all journals
<input type="button" value="SUBMIT"/>	

This product is best viewed in 800x600 or higher resolution

The Notices file was last updated Thu Sep 4 10:03:31 2014

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Journals in ENGINEERING, BIOMEDICAL

ISI Web of KnowledgeSM

Journal Citation Reports[®]



2013 JCR Science Edition

Journal Summary List

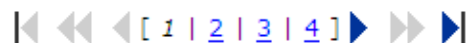
[Journal Title Changes](#)

Journals from: **subject categories ENGINEERING, BIOMEDICAL**

[VIEW CATEGORY SUMMARY LIST](#)

Sorted by:

Journals 1 - 20 (of 77)



Page 1 of 4

Ranking is based on your journal and sort selections.

Mark	Rank	Abbreviated Journal Title <i>(linked to journal information)</i>	ISSN	JCR Data ⁱ						Eigenfactor [®] Metrics ⁱ	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
<input type="checkbox"/>	1	ANNU REV BIOMED ENG	1523-9829	3486	12.450	15.000	0.737	19	7.3	0.00778	5.606
<input type="checkbox"/>	2	BIOMATERIALS	0142-9612	81229	8.312	8.911	1.425	991	6.3	0.13731	1.959
<input type="checkbox"/>	3	ACTA BIOMATER	1742-7061	14631	5.684	6.191	1.089	504	3.4	0.04612	1.367
<input type="checkbox"/>	4	EUR CELLS MATER	1473-2262	2096	4.887	5.991	0.449	49	4.5	0.00542	1.515
<input type="checkbox"/>	5	J TISSUE ENG REGEN M	1932-6254	2111	4.428	4.019	0.980	99	3.0	0.00669	0.954
<input type="checkbox"/>	6	BIOFABRICATION	1758-5082	530	4.302	4.319	0.808	52	2.7	0.00201	1.062

- 情境二：我想知道我常常閱讀的期刊或是我有意想投稿的期刊是否為熱門期刊？



Journal: BIOMATERIALS

Mark	Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
<input type="checkbox"/>	BIOMATERIALS	0142-9612	81229	8.312	8.911	1.425	991	6.3	5.8
Cited Journal Citing Journal Source Data Journal Self Cites									

CITED JOURNAL DATA

CITING JOURNAL DATA

IMPACT FACTOR TREND

RELATED JOURNALS

Journal Information ⓘ

Full Journal Title: BIOMATERIALS**ISO Abbrev. Title:** Biomaterials**JCR Abbrev. Title:** BIOMATERIALS**ISSN:** 0142-9612**Issues/Year:** 36**Language:** ENGLISH**Journal Country/Territory:** NETHERLANDS**Publisher:** ELSEVIER SCI LTD**Publisher Address:** THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, OXON, ENGLAND**Subject Categories:** ENGINEERING, BIOMEDICAL

SCOPE NOTE

VIEW JOURNAL SUMMARY LIST

VIEW CATEGORY DATA

MATERIALS SCIENCE, BIOMATERIALS

SCOPE NOTE

VIEW JOURNAL SUMMARY LIST

VIEW CATEGORY DATA

Eigenfactor® Metrics**Eigenfactor® Score**

0.13731

Article Influence®

Score

1.959

Additional Links

GO TO ULRICH'S

GO TO CC CONNECT

Holdings GO**Journal Rank in Categories:** JOURNAL RANKING**Journal Ranking** ⓘFor **2013**, the journal **BIOMATERIALS** has an Impact Factor of **8.312**.

This table shows the ranking of this journal in its subject categories based on Impact Factor.

Category Name	Total Journals in Category	Journal Rank in Category	Quartile in Category
ENGINEERING, BIOMEDICAL	77	2	Q1
MATERIALS SCIENCE, BIOMATERIALS	32	1	Q1

- 情境三：我在幾本期刊之間猶豫，不知道該投稿到哪本期刊比較好？



Article Influence Score

ISI Web of KnowledgeSM

Journal Citation Reports[®]

WELCOME HELP MARKED LIST

2013 JCR Science Edition

Journal Summary List

[Journal Title Changes](#)

Journals from: **subject categories ENGINEERING, BIOMEDICAL** [VIEW CATEGORY SUMMARY LIST](#)

Sorted by: **ArticleInfluence[®] Score** SORT AGAIN

Journals 1 - 20 (of 77)

MARK ALL UPDATE MARKED LIST

- Journal Title
- Total Cites
- Impact Factor
- Immediacy Index
- Current Articles
- Cited Half-Life
- 5-Year Impact Factor
- Eigenfactor[®] Score
- ArticleInfluence[®] Score**

Navigation icons: [1 | 2 | 3 | 4]

Page 1 of 4

g is based on your journal and sort selections.

Mark	Rank	Abbr	JCR Data ⁱ	JCR Data ⁱ						Eigenfactor [®] Metrics ⁱ	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
<input type="checkbox"/>	1	ANNU REV BIOMED ENG	1523-9829	3486	12.450	15.000	0.737	19	7.3	0.00778	5.606
<input type="checkbox"/>	2	BIOMATERIALS	0142-9612	81229	8.312	8.911	1.425	991	6.3	0.13731	1.959
<input type="checkbox"/>	3	MED IMAGE ANAL	1361-8415	3925	3.681	4.777	0.505	91	6.8	0.01017	1.634
<input type="checkbox"/>	4	IEEE T MED IMAGING	0278-0062	12890	3.799	4.575	0.544	193	9.5	0.02327	1.595
<input type="checkbox"/>	5	EUR CELLS MATER	1473-2262	2096	4.887	5.991	0.449	49	4.5	0.00542	1.515

Immediacy Index

Journals from: **subject categories ENGINEERING, BIOMEDICAL** [VIEW CATEGORY SUMMARY LIST](#)

Sorted by: **Immediacy Index** [SORT AGAIN](#)

Journals 1 - 20 (of 77)

Navigation: [|<<](#) [|<](#) [\[1 | 2 | 3 | 4 \]](#) [|>](#) [|>>](#)

Page 1 of 4

[MARK ALL](#) [UPDATE MARKED LIST](#)

Ranking is based on your journal and sort selections.

Mark	Rank	Abbreviated Journal Title <i>(linked to journal information)</i>	ISSN	JCR Data ⁱ						Eigenfactor [®] Metrics ⁱ	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
<input type="checkbox"/>	1	BIOMATERIALS	0142-9612	81229	8.312	8.911	1.425	991	6.3	0.13731	1.959
<input type="checkbox"/>	2	ACTA BIOMATER	1742-7061	14631	5.684	6.191	1.089	504	3.4	0.04612	1.367
<input type="checkbox"/>	3	J TISSUE ENG REGEN M	1932-6254	2111	4.428	4.019	0.980	99	3.0	0.00669	0.954
<input type="checkbox"/>	4	BIOFABRICATION	1758-5082	530	4.302	4.319	0.808	52	2.7	0.00201	1.062
<input type="checkbox"/>	5	BIOMED MATER	1748-6041	1716	2.922	2.898	0.803	71	4.3	0.00490	0.647

Journal Immediacy Index ⁱ

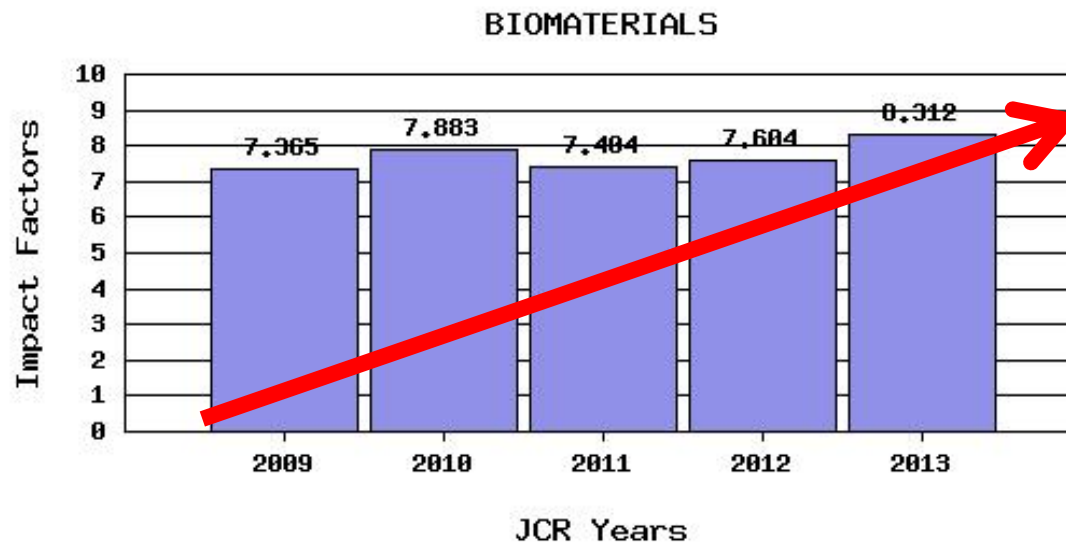
Cites in 2013 to items published in 2013 = 1412

Number of items published in 2013 = 991

Calculation: $\frac{\text{Cites to current items}}{\text{Number of current items}} = \frac{1412}{991} = 1.425$

Impact Factor Trend Graph: BIOMATERIALS

Click on the "Return to Journal" button to view the full journal information.



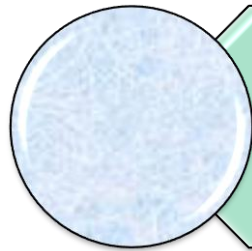
Journal Self Cites ⁱ

The tables show the contribution of the journal's self cites to its impact factor. This information is also represented in the [cited journal graph](#).

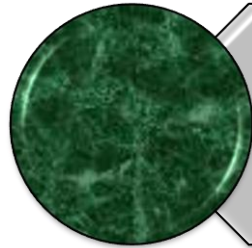
Total Cites	81229
Cites to Years Used in Impact Factor Calculation	15835
Impact Factor	8.312

Self Cites	4507 (5% of 81229)
Self Cites to Years Used in Impact Factor Calculation	1660 (10% of 15835)
Impact Factor without Self Cites	7.441

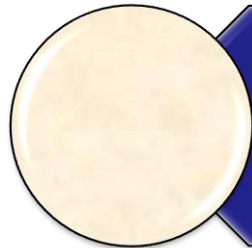
重點整理



不是所有的期刊都會被收進JCR



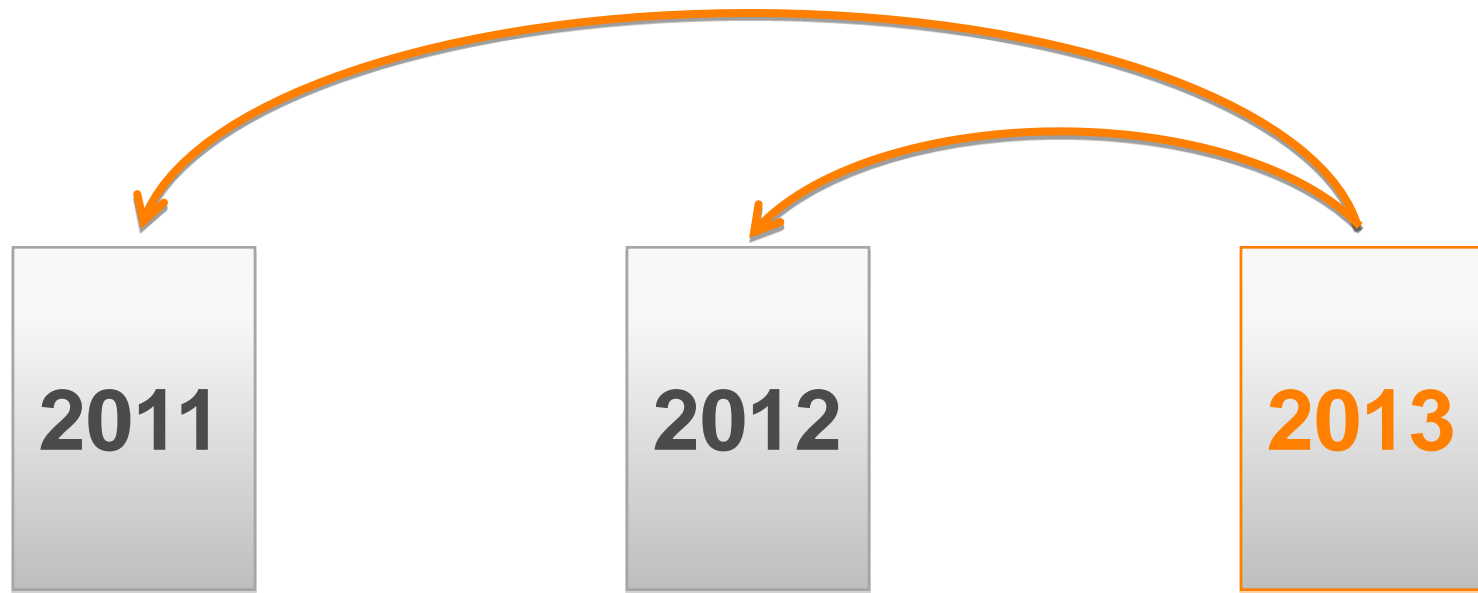
請在同一個領域下比較各項指標



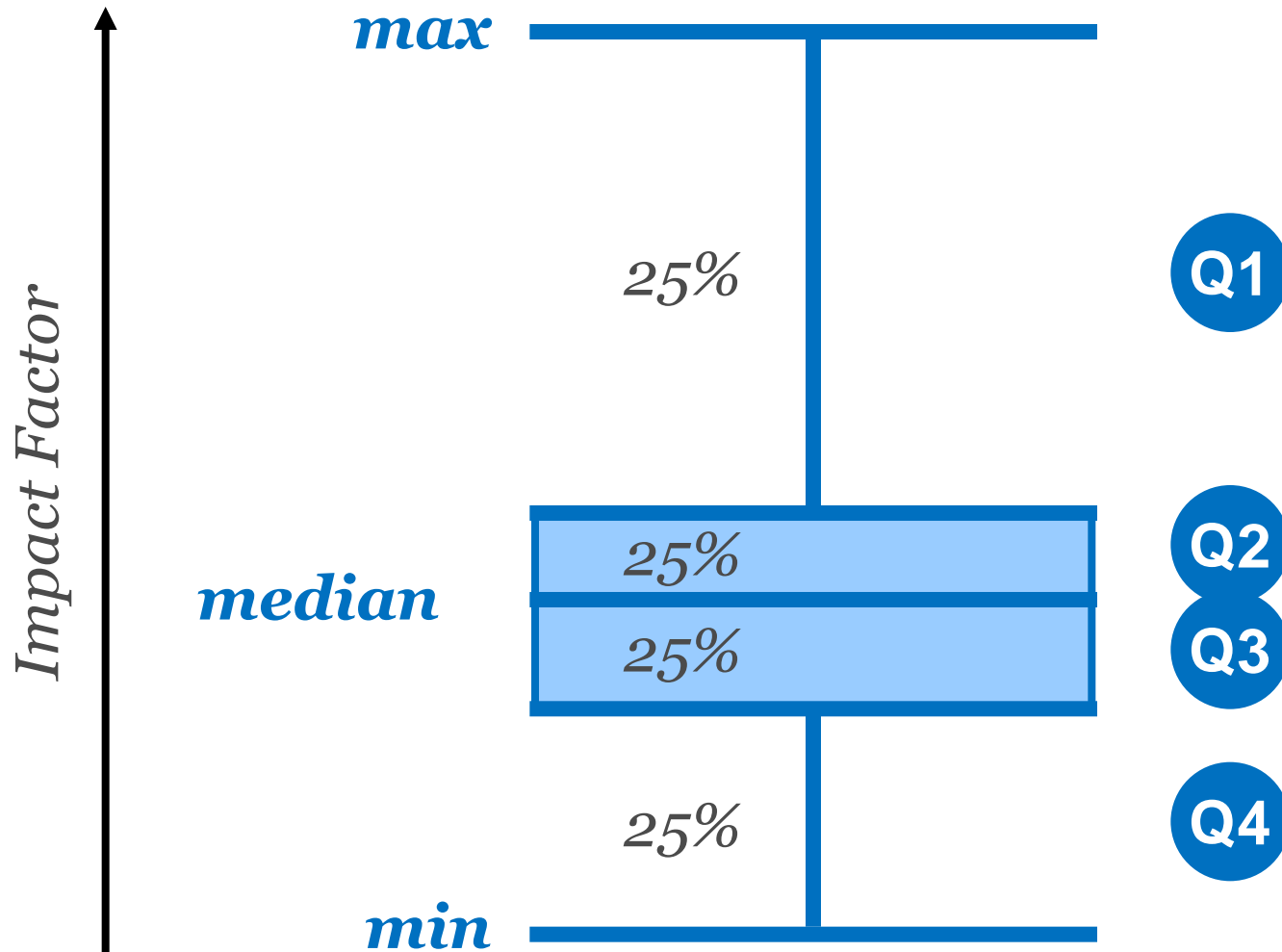
善用各項指標交叉比對以減少風險

The world well-known **Journal Impact Factor**

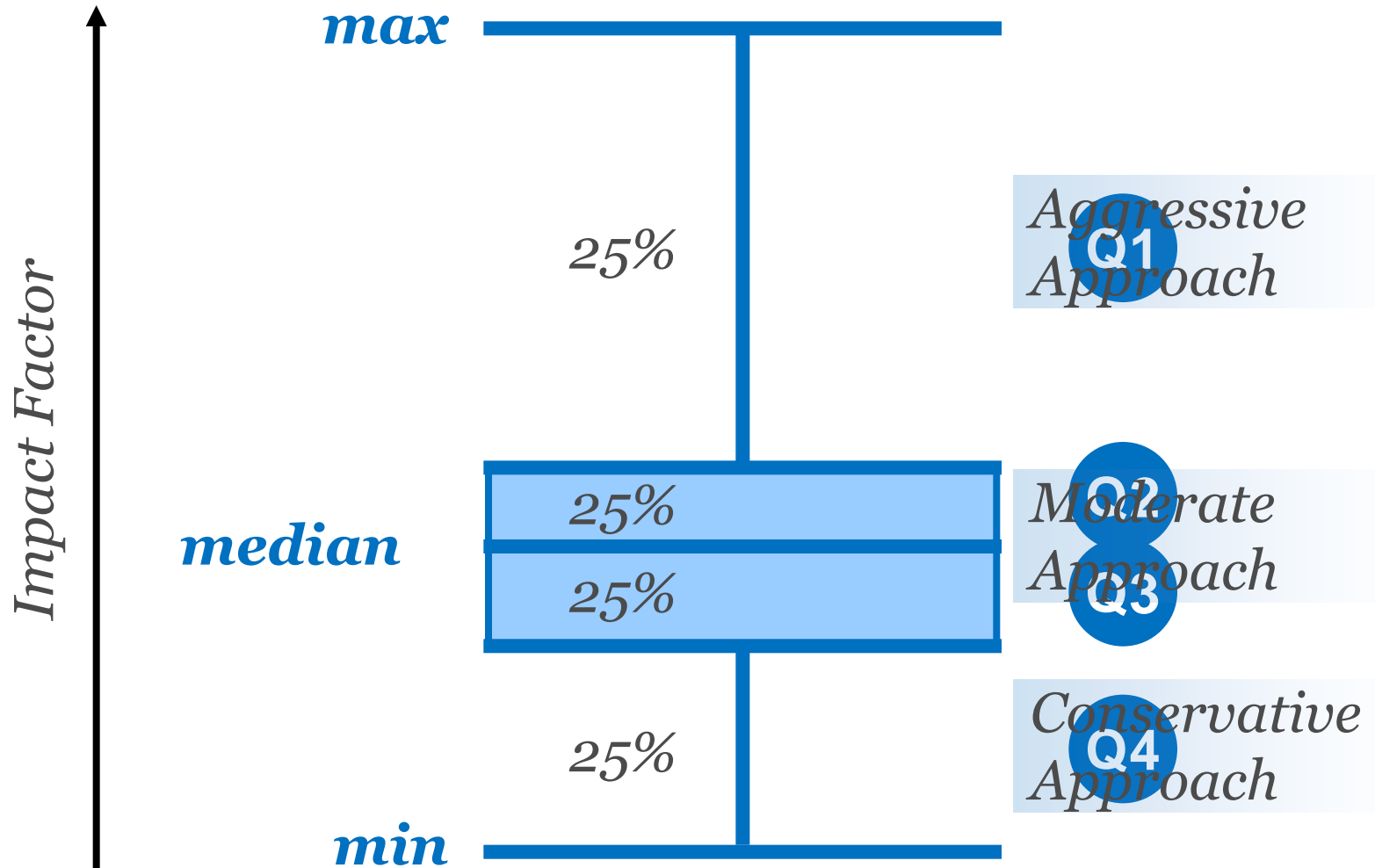
$$IF_{2013} = \frac{\text{times cited in 2013}}{\text{total publications in 2011 and 2012}}$$



Subject category at a glance



Three scenarios for publication strategy



如何利用JCR來做為投稿選刊參考

JCR檢索方式

選擇專輯

選擇檢索方式：

1. 瀏覽主題、出版社、國家/區域
2. 查詢期刊名稱，ISSN等
3. 瀏覽專輯內所有期刊

[for New Users](#)

Select a JCR edition and year:	Select an option:
<input checked="" type="radio"/> JCR Science Edition <input type="text" value="2013"/>	<input checked="" type="radio"/> View a group of journals by <input type="text" value="Subject Category"/>
<input type="radio"/> JCR Social Sciences Edition <input type="text" value="2013"/>	<input type="radio"/> Search for a specific journal
	<input type="radio"/> View all journals
<input type="button" value="SUBMIT"/>	

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選擇完畢後點選Submit

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瀏覽主題、出版社、國家/區域

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Select a JCR edition and year:	Select an option:
<input checked="" type="radio"/> JCR Science Edition <input type="text" value="2013"/>	<input checked="" type="radio"/> View a group of journals by <input type="text" value="Subject Category"/>
<input type="radio"/> JCR Social Sciences Edition <input type="text" value="2013"/>	<input type="radio"/> Search for a specific journal
	<input type="radio"/> View all journals
<input type="button" value="SUBMIT"/>	

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在此功能下可以選擇瀏覽Web of Science核心合輯資料庫中收錄的某個學科領域的期刊，某個出版社的期刊，某個國家或區域的期刊等

依照學科瀏覽：Subject Category Selection

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Journal Citation Reports[®]

WELCOME HELP

選擇一個或多個學科

2013 JCR Science Edition


[Subject Category Scope Notes](#)


Subject Category Selection

1) Select one or more categories from the list.
[\(How to select more than one\)](#)

ACOUSTICS
AGRICULTURAL ECONOMICS & POLICY
AGRICULTURAL ENGINEERING
AGRICULTURE, DAIRY & ANIMAL SCIENCE
AGRICULTURE, MULTIDISCIPLINARY
AGRONOMY
ALLERGY
ANATOMY & MORPHOLOGY
ANDROLOGY

2) Select to view Journal data or aggregate Category data.

 **View Journal Data** - sort by:

 **View Category Data** - sort by:

SUBMIT

點選Submit

瀏覽期刊資料

選擇期刊排序方式：

依照期刊字母順序、總引用次數、影響指數、立即指數、當年發表文章數、被引用半衰期、五年影響指數、Eigenfactor、Article influence

Subject Category Scope Note

Scope Notes

2013

Science Citation Index
Science Citation Index Expanded

Category Name:

Acoustics

Category Description:

Acoustics covers resources on the study of the generation, control, transmission, reception, and effects of sounds. Relevant subjects include linear and nonlinear acoustics; atmospheric sound; underwater sound; the effects of mechanical vibrations; architectural acoustics; audio engineering; audiology; and ultrasound applications.

Category Name:

Agricultural Economics & Policy

Category Description:

Agricultural Economics & Policy covers resources concerning the production, distribution, and consumption of agricultural commodities as well as the managerial and policy decisions concerning these commodities.

Category Name:

Agricultural Engineering

Category Description:

Agricultural Engineering covers resources concerning many engineering applications in agriculture, including the design of machines, equipment, and buildings; soil and water engineering; irrigation and drainage engineering; crop harvesting, processing, and storage; animal production technology, housing, and equipment; precision agriculture; post-harvest processing and technology; rural development; agricultural mechanization; horticultural engineering; greenhouse structures and engineering, bioenergy and aquacultural engineering.

Category Name:

Agriculture, Dairy & Animal Science

運用範疇參考：跨學科關鍵字檢索，找到所屬的期刊種類

依照出版社瀏覽：Publisher Selection

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WELCOME HELP

選擇一個或多個出版社

2013 JCR Science Edition

Publisher Selection

1) Select one or more publishers from the list to filter journals.
[\(How to select more than one\)](#)

A V A AGRARVERLAG
A V S AMER INST PHYSICS
AACC INTERNATIONAL
AB SVENSK PAPPERSTIDNING
ABCM BRAZILIAN SOC MECHANICAL SCIENCES & ENGINEERING
ACAD BRASILEIRA DE CIENCIAS
ACAD ECONOMIC STUDIES
ACAD MANAGED CARE PHARMACY
ACAD MEDICAL SCIENCES I R IRAN

Journal Title

SUBMIT

選擇排序方式：
依照期刊期刊字母順序、
總引用次數、影響指數、
立即指數、當年發表文章數、
被引用半衰期、五年影響指數、
Eigenfactor、Article influence

點選Submit

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依照國家瀏覽：Country / Territory Selection

Country/Territory Selection

選擇一個或多個國家

1) Select one or more countries/territories from the list to filter journals.
[\(How to select more than one\)](#)

ARGENTINA
ARMENIA
AUSTRALIA
AUSTRIA
AZERBAIJAN
BAHRAIN
BANGLADESH
BELGIUM
BOSNIA & HERCEG

2) Sort journals by: Journal Title

SUBMIT

選擇期刊排序方式：
依照期刊期刊字母順序、
總引用次數、影響指數、
立即指數、當年發表文章
數、被引用半衰期、五年
影響指數、Eigenfactor、
Article influence

點選Submit

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查找某一特定期刊

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[Information for New Users](#)

Select a JCR edition and year:	Select an option:
<input checked="" type="radio"/> JCR Science Edition <input type="text" value="2013"/>	<input type="radio"/> View a group of journals by <input type="text" value="Country"/>
<input type="radio"/> JCR Social Sciences Edition <input type="text" value="2013"/>	<input checked="" type="radio"/> Search for a specific journal
	<input type="radio"/> View all journals
<input type="button" value="SUBMIT"/>	

選擇查找某一特定期刊的選項

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依照刊名檢索：Journal Search

瀏覽期刊名稱變化情況

選擇檢索欄位：期刊全名、期刊縮寫名稱、期刊刊名、關鍵字、SSN

1) Search by:	2) Type search term:
Full Journal Title	Enter words from journal title or ISSN (view list of full journal titles)
	<input type="text"/>
	<input type="button" value="SEARCH"/>

輸入檢索詞彙

Search Examples:
Full Journal Title: Enter JOURNAL OF CELLULAR PHYSIOLOGY or JOURNAL OF CELL* ([more examples](#))
Abbreviated Journal Title: Enter J CELL PHYSIOL or J CELL * ([more examples](#))
Title Word: Enter CELLULAR or CELL* ([more examples](#))
ISSN: Enter 0021-9541 or other ISSN ([more examples](#))

Journal Title Changes

ISI Web of KnowledgeSM

Journal Citation Reports[®]

[Close Window](#)

JOURNAL TITLE CHANGES - 2013 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.

AAOHN J	changed to	WORKPLACE HEALTH SAF	2012
AGR SCI CHINA	changed to	J INTEGR AGR	2012
AGROECOL SUST FOOD	changed from	J SUSTAIN AGR	2012
ANDROLOGY-US	merged from	INT J ANDROL	2013
ANDROLOGY-US	merged from	J ANDROL	2013
ANN LAB MED	changed from	KOREAN J LAB MED	2012
ANN TROP MED PARASIT	changed to	PATHOG GLOB HEALTH	2012
ANN TROP PAEDIATR	changed to	PAEDIATR INT CHILD H	2012
APPL NEUROPSYCH-ADUL	changed from	APPL NEUROPSYCHOL	2012

瀏覽所有期刊

ISI Web of KnowledgeSM

Journal Citation Reports[®]

[Information for New Users](#)

Select a JCR edition and year:	Select an option:
<input type="radio"/> JCR Science Edition <input type="text" value="2013"/>	<input type="radio"/> View a group of journals by <input type="text" value="Subject Category"/>
<input checked="" type="radio"/> JCR Social Sciences Edition <input type="text" value="2013"/>	<input type="radio"/> Search for a specific journal
	<input checked="" type="radio"/> View all journals
<input type="button" value="SUBMIT"/>	

點選Submit會進入到選擇專輯下的所有期刊

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14:48 2014

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JCR多元指標提供投稿、館藏策略時之運用

JCR指標介紹

檢索結果頁面

ISI Web of KnowledgeSM

Journal Citation Reports[®]

 WELCOME  HELP

2013 JCR Science Edition

Journal Summary List

[Journal Title Changes](#)

Journals from: search Full Journal Title for 'NATURE'



Sorted by:

Journals 1 - 1 (of 1)

Navigation icons: back, forward, search, etc.

Page 1 of 1

Ranking is based on your journal and sort selections.

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data 						Eigenfactor [®] Metrics 	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
<input type="checkbox"/>	1	NATURE	0028-0836	590324	42.351	40.783	8.457	857	9.8	1.60419	22.110

Journals 1 - 1 (of 1)

Navigation icons: back, forward, search, etc.

Page 1 of 1

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檢索結果記錄：

影響指數

五年影響指數

立即指數

論文數量

被引用半衰期

EigenfactorTM

Article InfluenceTM



JCR中常用的幾個評估指標

- ***Total Cites*** : 在選定的年限裡對某一領域期刊中所有文章的被引用次數的總和
- ***Impact Factor*** : 用該期刊前兩年發表論文在當年被引用的次數除以該期刊前兩年發表論文的總數所得到的值。可以用來評估同一研究領域不同期刊的相對重要性
- ***5-Year Impact Factor*** : 對於社會科學領域的期刊該指數較能看出其期刊影響力 (需經過較久的時間引用才會達到高峰)
- ***Immediacy Index*** : 用某一年中發表的文章在當年被引用次數除以同年發表文章的總數得到的指數。用於評估特定期刊在當年被引用的速度

JCR中常用的幾個評估指標

- *Articles* : 某特定期刊當年發表的文章總數。
- *Cited Half-life* : 指期刊達到50%被引用率所需要的時間。該數值有助於圖書館確定期刊的館藏和存檔的策略。
- *EigenfactorTM* : 可了解特定期刊在學術引用社群的總影響力，利用期刊引用網絡(citation network)找出評估較具權威性的期刊
- *Article InfluenceTM* : 可提供該期刊平均每篇文章的影響力。

全記錄頁面

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Journal Citation Reports[®]

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2013 JCR Science Edition

Journal: NATURE

Mark	Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
<input type="checkbox"/>	NATURE	0028-0836	590324	42.351	40.783	8.457	857	9.8	5.4

[Cited Journal](#) [Citing Journal](#) [Source Data](#) [Journal Self Cites](#)

[CITED JOURNAL DATA](#)

[CITING JOURNAL DATA](#)

[IMPACT FACTOR TREND](#)

[RELATED JOURNALS](#)

Journal Information

Full Journal Title: NATURE

ISO Abbrev. Title: Nature

JCR Abbrev. Title: NATURE

ISSN: 0028-0836

Issues/Year: 51

Language: ENGLISH

Journal Country/Territory: ENGLAND

Publisher: NATURE PUBLISHING GROUP

Publisher Address: MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND

Subject Categories: MULTIDISCIPLINARY SCIENCES

[SCOPE NOTE](#)

[VIEW JOURNAL SUMMARY LIST](#)

[VIEW CATEGORY DATA](#)

Journal Rank in Categories: [JOURNAL RANKING](#)

Journal Impact Factor

全記錄：

影響指數

五年影響指數

期刊自我引用

立即指數

論文數量

被引用半衰期

引用半衰期

期刊原始資料

被引用期刊列表

引用期刊列表

五年影響指數趨勢圖

相關期刊

Impact Factor影響指數

- 影響指數是指該期刊於早2年所出版的文獻數，在某一特定年份被其它文章引用的平均數。而這是提供比較相同研究領域中，期刊相對重要程度的方法。
- 即【該期刊早2年被收錄於ISI資料庫的文獻被引用次數的和】除以【該期刊早2年所有出版文獻總數】

Journal Impact Factor ⓘ

Cites in 2013 to items published in	2012 = 34778 2011 = 37642 Sum: 72420	Number of items published in	2012 = 869 2011 = 841 Sum: 1710
-------------------------------------	--	------------------------------	---------------------------------------

Calculation:	<u>Cites to recent items</u>	<u>72420</u>	=	42.351
	Number of recent items	1710		

5-Year Journal Impact Factor 5年影響指數

- 5年影響指數是指該期刊於早5年所出版的文獻數在某一特定年份被其它文章引用的平均數。提供年代更長的期刊引用趨勢，引用活動的查看範圍因而隨之放大，使用者更能夠快速瀏覽豐富的資料
- 即【該期刊早5年被收錄於ISI資料庫的文獻被引用次數的而這是提供比較相同研究領域中，期刊相對重要程度的方法和】除以【該期刊早5年所有出版文獻總數】

5-Year Journal Impact Factor ⓘ

Cites in {2013} to items published in:

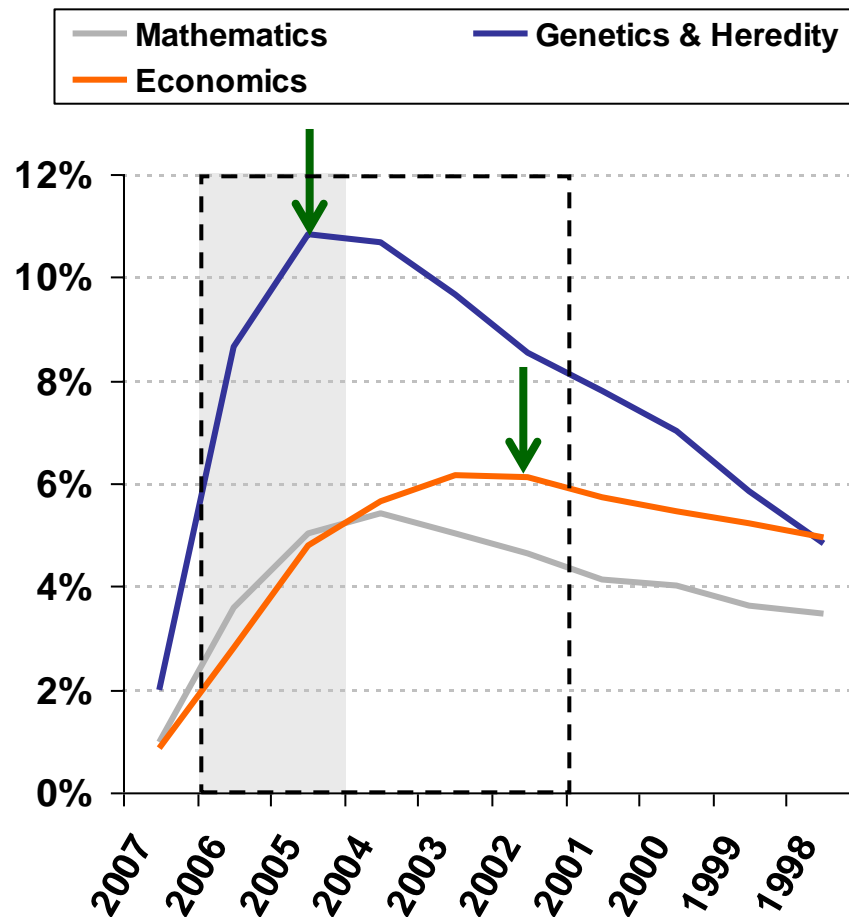
2012 = 34778
2011 = 37642
2010 = 35633
2009 = 34055
2008 = 34769
Sum: 176877

Number of items published in:

2012 = 869
2011 = 841
2010 = 862
2009 = 866
2008 = 899
Sum: 4337

Calculation: $\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{176877}{4337} = 40.783$

Citation Behavior, variance among disciplines:



There are inherent differences between different fields with regards to citation behavior. For some fields such as Mathematics or Economics it takes longer to reach the peak of citation activity.

Immediacy Index立即指數

- 立即指數為該期刊於當年所出版的文獻數在當年度被其它文章引用的平均數。可以評量一本期刊中，所收文章在發表同一年內被引用的頻率
- 即【該期刊當年被收錄於ISI資料庫的文獻被引用次數的和】除以【該期刊當年所有出版文獻總數】

Journal Immediacy Index

Cites in 2013 to items published in 2013 = 7248

Number of items published in 2013 = 857

Calculation: $\frac{\text{Cites to current items}}{\text{Number of current items}} = \frac{7248}{857} = 8.457$

Cited Half-Life被引用半衰期

- 被引用半衰期是指從最近一年算起，一期刊被引用次數達到全部被引用次數的50%時所需之時間
- 被引用半衰期有二規定：該期刊必須被引用100次以上才列出；當10年內其被引用次數未達總被引用次數的50%時，以>10.0表示

Journal Cited Half-Life ⓘ

The cited half-life for the journal is the median age of its items cited in the current JCR year. Half of the citations to the journal are to items published within the cited half-life.

Cited Half-Life: 9.8 years

Breakdown of the citations *to the journal* by the cumulative percent of 2013 cites to items published in the following years:

Cited Year	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003-all
# Cites from 2013	7248	34778	37642	35633	34055	34769	29406	31328	30899	24612	289954
Cumulative %	1.23	7.12	13.50	19.53	25.30	31.19	36.17	41.48	46.71	50.88	100

Cited Half-Life Calculations:

The cited half-life calculation finds the number of publication years from the current JCR year that account for 50% of citations received by the journal. Read help for more information on the calculation.

用途：
計算某一期刊所刊登的論文平均經過多久時間，仍然還會被引用。

Citing Half-Life引用半衰期

- 引用半衰期是指從最近一年算起，一期刊引用其他期刊次數達到全部引用次數的50%所需的時間。可以了解一本期刊在近十年引用的情況

Journal Citing Half-Life ⓘ

The citing half-life for the journal is the median age of the items the journal cited in the current JCR year. Half of the citations in the journal are to items published within the citing half-life.

Citing Half-Life: 5.4 years

Breakdown of the citations *from the journal* by the cumulative percent of 2013 cites to items published in the following years:

Cited Year	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003-all
# Cites from 2013	2696	4703	4134	3634	3090	2634	2305	1780	1624	1452	10727
Cumulative %	6.95	19.08	29.74	39.11	47.08	53.87	59.82	64.41	68.59	72.34	100

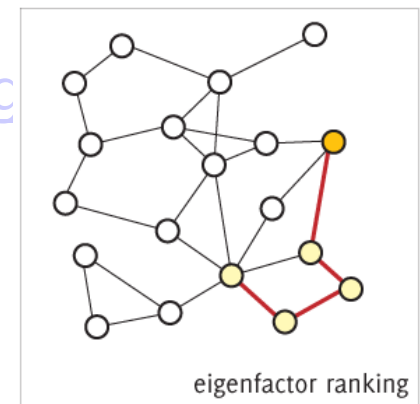
Citing Half-Life Calculations:

The citing half-life calculation finds the number of publication years from the current JCR year that account for 50% of citations in the journal. Read help for more information on the calculation.

用途：
引用半衰期的值越低，表示該期刊所引用之參考文獻時效性越高。

Eigenfactor

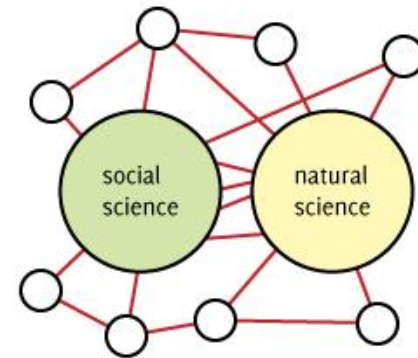
- 可了解特定期刊在學術引用社群的總影響力
- 利用期刊引用網絡(citation network)找出評估較具權威性的期刊
 - 類似Google page Rank的概念
 - 若該期刊被較具影響力之期刊引用，則得到較高的引文值
 - 具有相同引用次數的期刊，A被較具影響力的期刊引用，B被一般期刊引用，則A得到較高的數值
 - 模擬研究者藉由引用行為從A移動至B、C...D期刊的隨機過程
- 採用近五年的citation widow
- 詳細計算公式請參考<http://www.eigenfactor.org>



Eigenfactor

- 特色

- 忽略期刊自我引用
- 將社會科學、自然科學期刊一起計算
- 可考量不同學科領域的引用差異，讓各學科能在同一引文基準點上進行比較
- 出版文章數越多的期刊可能具較高引用次數，能見度較高，通常有較高的Eigenfactor



eigenFACTOR

Eigenfactor Score

Journal Citation Reports®

WELCOME HELP RETURN TO LIST

2013 JCR Science Edition

Journal: NATURE

Mark	Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
	NATURE	0028-0836	590324	42.351	40.783	8.457	857	9.8	5.4

[Cited Journal](#) [Citing Journal](#) [Source Data](#) [Journal Self Cites](#)

CITED JOURNAL DATA CITING JOURNAL DATA IMPACT FACTOR TREND RELATED JOURNALS

Journal Information

Full Journal Title: NATURE
ISO Abbrev. Title: Nature
JCR Abbrev. Title: NATURE
ISSN: 0028-0836

Issues/Year: 51
Language: ENGLISH

Journal Country/Territory: ENGLAND

Publisher: NATURE PUBLISHING GROUP

Publisher Address: MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND

Subject Categories: MULTIDISCIPLINARY SCIENCES

SCOPE NOTE

VIEW JOURNAL SUMMARY LIST

VIEW CATEGORY DATA

Journal Rank in Categories: JOURNAL RANKING

Eigenfactor® Metrics

Eigenfactor® Score

1.60419

Article Influence® Score

22.110

Additional Links

GO TO ULRICH'S

GO TO CC CONNECT

Holdings GO

Article Influence Score

- Article Influence 可提供該期刊平均每篇文章的影響力
 - 計算方式= $(\text{該期刊的Eigenfactor}/\text{該期刊當年文章數}) * 0.01$
 - 在JCR資料庫所有文章的平均值為1
 - 若該期刊Article Influence Score大於1，表示該期刊每篇文章影響力居於JCR資料庫所有文章的平均值以上；反之，小於1則在平均值以下

Article Influence Score

Journal Citation Reports®

WELCOME HELP RETURN TO LIST

2013 JCR Science Edition

Journal: NATURE

Mark	Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
<input type="checkbox"/>	NATURE	0028-0836	590324	42.351	40.783	8.457	857	9.8	5.4

[Cited Journal](#) [Citing Journal](#) [Source Data](#) [Journal Self Cites](#)

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Journal Rank in Categories: JOURNAL RANKING

Eigenfactor® Metrics
Eigenfactor® Score
1.60419

Article Influence® Score
22.110

Additional Links

GO TO ULRICH'S

GO TO CC CONNECT

Holdings GO

Journal Self Cites 期刊自我引用

- Journal self cites
 - 該期刊總引用次數(total cites)中，期刊自我引用次數及比例
- Self Cites to Years Used in Impact Factor Calculation
 - 該期刊在近兩年之引用次數中，期刊自我引用次數及比例
- Impact Factor without Self Cites
 - 該期刊扣除期刊自我引用後之影響係數

Journal Self Cites ⓘ

The tables show the contribution of the journal's self cites to its impact factor. This information is also represented in the [cited journal graph](#).

Total Cites	590324	Self Cites	4504 (0% of 590324)
Cites to Years Used in Impact Factor Calculation	72420	Self Cites to Years Used in Impact Factor Calculation	1198 (1% of 72420)
Impact Factor	42.351	Impact Factor without Self Cites	41.650

Cited Journal 被引用期刊

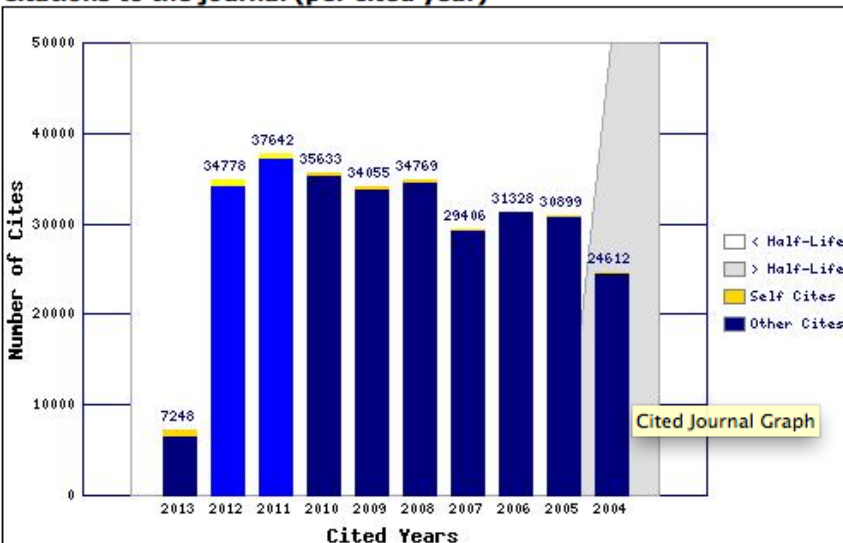
- 被引用期刊圖表提供各年度被其他期刊引用這本期刊文章的分布狀況

Cited Journal Graph

[Click here for Cited Journal data table](#)

This graph shows the distribution by cited year of citations to items published in the journal NATURE.

Citations to the journal (per cited year)



- The white/grey division indicates the cited half-life (if < 10.0). Half of the journal's cited items were published more recently than the cited half-life.
- The top (gold) portion of each column indicates Journal Self Citations: citations to items in the journal from items in the same journal.
- The bottom (blue) portion of each column indicates Non-Self Citations: citations to the journal from items in other journals.
- The two lighter columns indicate citations used to calculate the Impact Factor (always the 2nd and 3rd columns).

白色 / 灰色區塊代表期刊被引用半衰期。
黃色區塊代表期刊自我引用的次數。
深藍色區塊代表期刊非自我引用的次數。
藍色區塊的資料為影響指數的計算依據。

Citing Journal 引用期刊

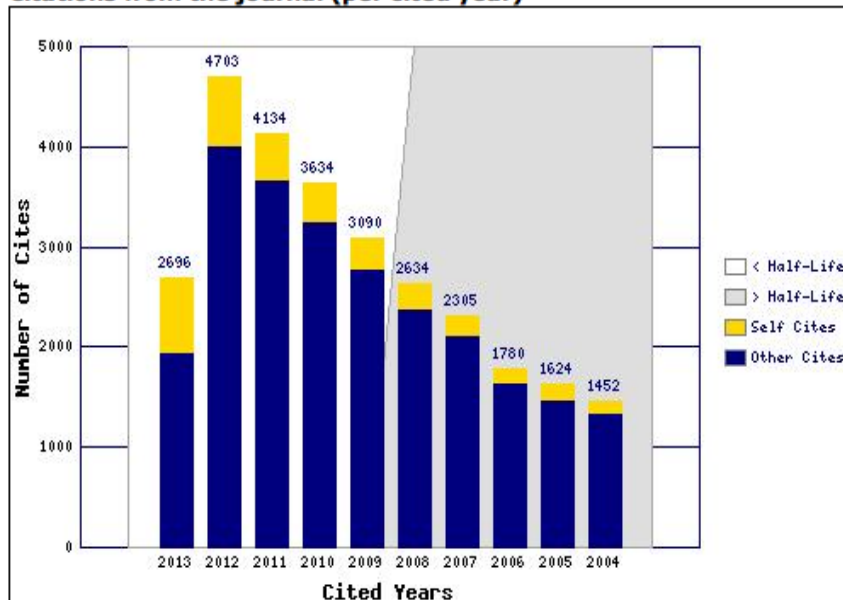
- 引用期刊圖表提供各年度其他期刊引用這本期刊文章的分布狀況

Citing Journal Graph ⓘ

[Click here for Citing Journal data table](#)

This graph shows the distribution by cited year of citations from current-year items in the journal NATURE.

Citations from the journal (per cited year)



- The white/grey division indicates the citing half-life (if < 10.0). Half of the citations from the journal's current items are to items published more recently than the citing half-life.

- The top (gold) portion of each column indicates Journal Self-Citations: citations from items in the journal to items in the same journal.

- The bottom (blue) portion of each column indicates Non-Self Citations: citations from the journal to items in other journals.

Source Data期刊原始資料

- 期刊原始資料是計算一期刊當年的文章篇數(僅原始研究和評論文章) 以及其參考書目數量，並提供每篇文章的平均參考書目數量

Journal Source Data ⓘ

2012年	Citable items			Other items
	Articles	Reviews	Combined	
Number in JCR year 2012 (A)	835	34	869	1782
Number of references (B)	29080	3183	32263	6006.00
Ratio (B/A)	34.8	93.6	37.1	3.4

Journal Source Data ⓘ

2013年	Citable items			Other items
	Articles	Reviews	Combined	
Number in JCR year 2013 (A)	829	28	857	1746
Number of references (B)	29876	2873	32749	6030.00
Ratio (B/A)	36.0	102.6	38.2	3.5

點選Cited Journal Data，即可查看被引用期刊列表

Mark	Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
	NATURE	0028-0836	590324	42.351	40.783	8.457	857	9.8	5.4

[Cited Journal](#)
[Citing Journal](#)
[Source Data](#)
[Journal Self Cites](#)

Cited Journal: NATURE

Number of times articles published in 2013 (in journals below) cited articles published in NATURE (in years below). ([How to read this table](#))

Journals 1 - 20 (of 7478)

[1](#) | [2](#) | [3](#) | [4](#) | [5](#) | [6](#) | [7](#) | [8](#) | [9](#) | [10](#)

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Impact	Citing Journal	Cited Year											
		All Yrs	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	Rest
	All Journals	590324	7248	34778	37642	35633	34055	34769	29406	31328	30899	24612	289954
3.534	PLOS ONE	27152	243	1591	1642	1702	1541	1733	1566	1542	1494	1212	12886
9.809	P NATL ACAD SCI USA	8237	140	669	744	637	594	570	462	444	445	326	3206
4.600	J BIOL CHEM	5302	66	263	385	314	327	260	287	306	236	197	2661
3.664	PHYS REV B	5114	71	352	257	512	405	548	312	342	346	387	1582
42.351	NATURE	4504	767	716	482	398	327	276	204	154	158	124	898
7.728	PHYS REV LETT	4228	76	405	410	449	277	322	239	279	223	248	1300
10.742	NAT COMMUN	3802	58	290	311	330	279	218	211	215	185	1395	
5.078	SCI REP-UK	3718	52	262	254	249	232	299	194	203	222	181	1570
2.991	PHYS REV A	3645	69	293	445	441	266	316	219	174	142	225	1055
6.747	J NEUROSCI	3549	54	218	194	186	219	187	134	181	132	156	1888
3.515	APPL PHYS LETT	3071	40	162	184	173	254	195	136	250	218	281	1178
3.440	J GEOPHYS RES	3067	18	121	168	180	153	153	130	158	223	158	1605
6.280	ASTROPHYS J	3038	49	165	364	287	289	166	117	208	295	69	1029
8.808	NUCLEIC ACIDS RES	2748	19	278	247	257	254	214	175	114	132	113	945
8.167	PLOS GENET	2737	31	245	245	303	217	188	224	136	123	103	922
11.444	J AM CHEM SOC	2629	37	156	222	133	176	203	151	110	138	86	1217
31.477	SCIENCE	2458	130	381	299	208	150	170	140	111	119	71	679
33.116	CELL	2300	104	388	348	246	230	147	150	98	83	54	452

點選Citing Journal Data，
即可查看引用期刊列表

Journal: NATURE

Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
NATURE	0028-0836	590324	42.351	40.783	8.457	857	9.8	5.4

[Cited Journal](#) [Citing Journal](#) [Source Data](#) [Journal Self Cites](#)

CITED JOURNAL DATA

CITING JOURNAL DATA

IMPACT FACTOR TREND

RELATED JOURNALS

Citing Journal: NATURE

Number of times articles published in journals below (in years below) were cited in NATURE in 2013. ([How to read this table](#))

Journals 1 - 20 (of 1617)

Navigation: [1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10]

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Impact	Cited Journal	Cited Year											
		All Yrs	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	Rest
	All Journals	38779	2696	4703	4134	3634	3090	2634	2305	1780	1624	1452	10727
42.351	NATURE	4504	767	716	482	398	327	276	204	154	158	124	898
	ALL OTHERS (2925)	2925	268	303	211	175	153	135	129	130	87	93	1241
31.477	SCIENCE	2341	164	255	249	205	209	167	162	111	125	75	619
9.809	P NATL ACAD SCI USA	1625	83	196	174	186	156	128	116	60	75	62	389
33.116	CELL	1159	79	153	126	86	99	113	74	69	43	31	286
7.728	PHYS REV LETT	755	30	99	85	57	49	54	49	36	25	28	243
4.600	J BIOL CHEM	641	11	46	57	40	39	41	35	31	29	38	274
6.280	ASTROPHYS J	409	38	52	52	32	28	22	22	18	21	10	114
15.982	NEURON	394	13	46	70	33	37	28	36	21	12	15	83
3.440	J GEOPHYS RES	388	13	24	28	39	14	29	20	21	15	10	175
6.747	J NEUROSCI	356	10	23	36	38	29	29	31	15	22	18	105
29.648	NAT GENET	356	30	46	44	33	25	26	33	36	13	9	61
3.534	PLOS ONE	325	29	89	82	50	39	26	7	3	0	0	0
8.808	NUCLEIC ACIDS RES	304	13	47	27	29	29	17	22	10	27	15	68
14.464	MOL CELL	300	20	41	34	54	29	21	16	12	25	7	41
10.748	EMBO J	278	14	22	37	25	12	15	14	16	11	15	97
12.639	GENE DEV	270	5	22	39	21	19	17	17	18	13	14	85
4.724	EARTH PLANET SC LETT	255	7	29	23	27	9	14	11	12	22	19	82
7.232	ACTA CRYSTALLOGR D	250	0	11	20	111	4	8	3	17	3	9	64

點選Impact Factor Trends查看五年影響指數

Journal: NATURE

Mark	Journal Title	ISSN	Total Cites	Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
<input type="checkbox"/>	NATURE	0028-0836	590324	42.351	8.457	857	9.8	5.4

[Cited Journal](#) [Citing Journal](#) [Source Data](#) [Journal Self Cites](#)

[CITED JOURNAL DATA](#) [CITING JOURNAL DATA](#) **[IMPACT FACTOR TREND](#)** [RELATED JOURNALS](#)

ISI Web of KnowledgeSM

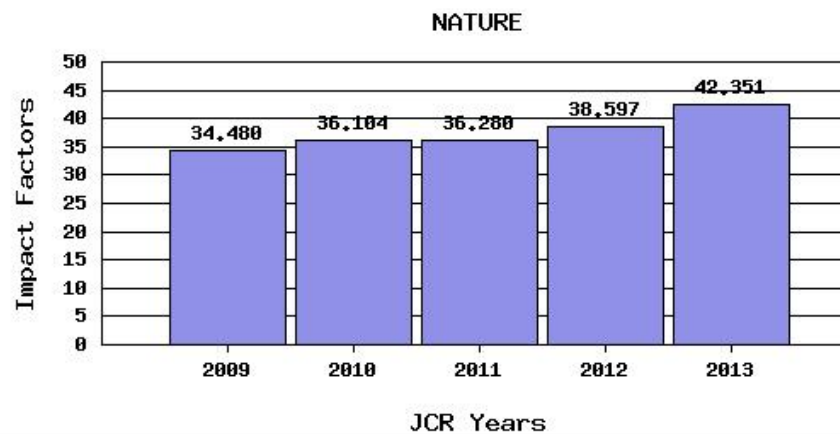
Journal Citation Reports[®]

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2013 JCR Science Edition

Impact Factor Trend Graph: NATURE

Click on the "Return to Journal" button to view the full journal information.



Journal: NATURE

點選Related Journals瀏覽該期刊的相關期刊

Mark	Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
<input type="checkbox"/>	NATURE	0028-0836	590324	42.351	40.783		857	9.8	5.4

[Cited Journal](#) [Citing Journal](#) [Source Data](#) [Journal Self Cites](#)

Related Journals: NATURE

Journal Relatedness is based on the strength of cited and citing relationships. The table below lists journal(s) that likely cover topics related to those covered in NATURE. [More information about these calculations.](#)

Sorted by:


Journals 1 - 20 (of 1276)

Navigation: <<< [1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10] >>>

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R _{max}	Related journal (j)	Relatedness (R)	
		NATURE to j	j to NATURE
135.53	NATURE	135.53	135.53
124.41	CELL STEM CELL	36.51	124.41
114.98	CELL RES	6.77	114.98
112.34	GENOME RES	18.94	112.34
109.80	CELL	69.18	109.80
107.54	NAT REV GENET	47.02	107.54
104.54	CURR OPIN GENET DEV	11.01	104.54
102.58	PALEOCEANOGRAPHY	29.23	102.58
100.86	ANNU REV BIOPHYS	16.90	100.86
100.73	NAT PHYS	24.52	100.73
98.17	NAT STRUCT MOL BIOL	21.68	98.17
96.00	CHROMOSOME RES	1.25	96.00
93.95	NAT GEOSCI	20.54	93.95
93.36	CANCER DISCOV	2.64	93.36
92.60	CANCER CELL	26.98	92.60
90.86	MOL CELL	25.04	90.86
90.33	Q REV BIOPHYS	25.79	90.33
89.72	NAT GENET	43.30	89.72
89.42	NAT REV MOL CELL BIO	43.52	89.42

Journal Rank in Categories

- Journal Ranking **Journal Rank in Categories:**  JOURNAL RANKING
 - 可了解該期刊在各領域的排名情形
 - 係根據各領域之期刊影響係數(Impact Factor)排序後，所得的名次
 - 若該期刊屬多個領域，則有不同的名次
 - 除實際名次外，可知該期刊於該領域的四分位百分比，Q1為該領域影響係數名次前25%，Q2為25%-50%，Q3為50%-75%，Q4則為後75%

Nature期刊排名

Rank in Category: NATURE

Journal Ranking ⁱ

For **2013**, the journal **NATURE** has an Impact Factor of **42.351**.

This table shows the ranking of this journal in its subject categories based on Impact Factor.

總期刊數 影響係數排名 四分位百分比排名

Category Name	Total Journals in Category	Journal Rank in Category	Quartile in Category
MULTIDISCIPLINARY SCIENCES	55	1	Q1

- Nature屬於MULTIDISCIPLINARY SCIENCES領域
- Nature於MULTIDISCIPLINARY SCIENCES領域之影響係數排名第1，為前25%(Q1)

結語

JCR的用途

結語

- 研究人員與學者
 - 了解自己研究領域的期刊
- 作者
 - 找到最適合同時又具一定影響力的期刊，確定投稿方向，擬定投稿策略
- 圖書館
 - 為選刊工作提供依據，同時為期刊歸檔時間、或館藏政策方面提供參考
- 資訊分析專家
 - 從學科計量學角度(如:書目計量學)跟蹤學科發展的動態，研究引文模式
- 出版機構或編輯人員
 - 觀察期刊在其市場中的影響力，適合調整編輯策略

Thank You

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