



REUTERS/Kim Kyung Hoon

# Journal Citation Reports (JCR) 이용안내

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JCR, Pathfinder for Evaluating Research Journal

Stop Searching, Start Discovering



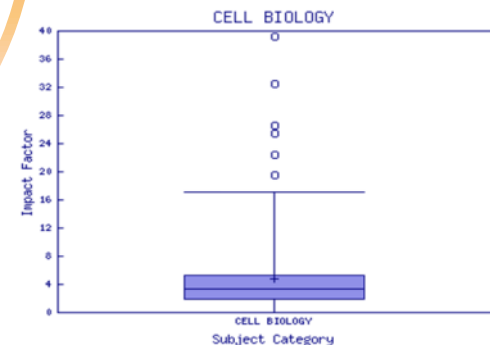
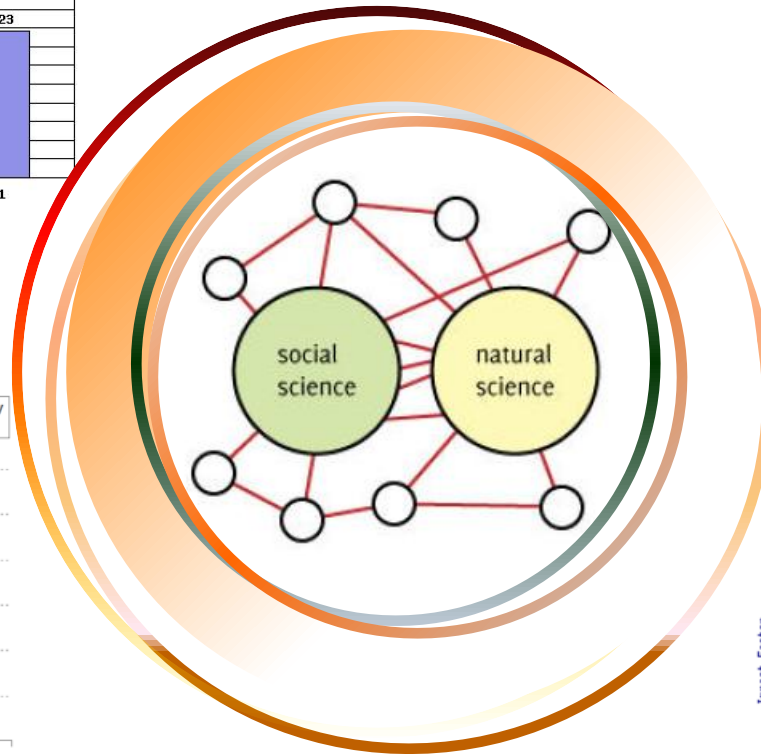
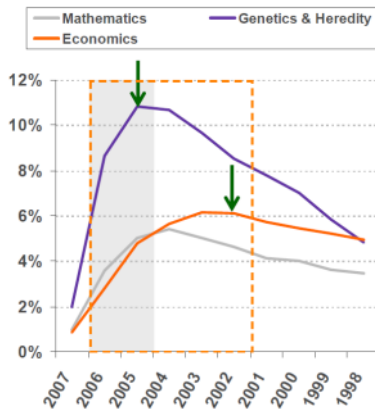
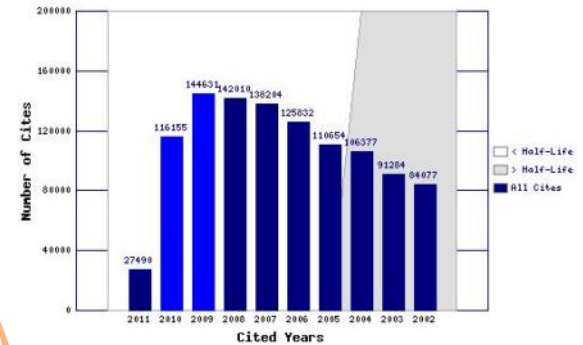
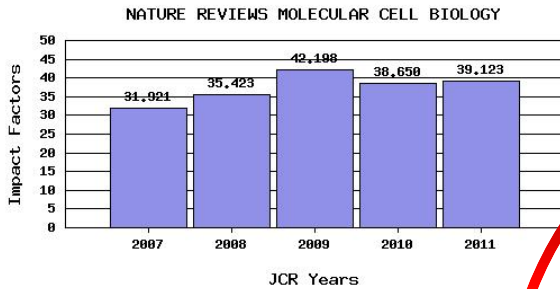
THOMSON REUTERS



어떤 저널에 Submit 할까?

# Journal Citation Reports (JCR) ?

- 전 세계 3,300여 출판사들이 200개 이상의 분야에서 발행하는 11,000여 저널에 대한 인용 정보를 제공.



## 용어

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- Journal Impact Factor
- Immediacy Index
- Cited Half Life
- 5 Year Journal Impact Factor



# Journal Impact factor

- Journal Impact Factor ?

해당 저널에서 지난 2년간 발행된 논문이 해당년도에 인용된 수의 평균값.

$$\text{Impact Factor (2012)} = \frac{\text{Cites in 2012 to 2010 and 2011 papers}}{\text{Papers published in 2010 and 2011}}$$

Ex> Cites in 2012 to items published in: 2011 = 210    Number of items published in: 2011 = 49  
 2010 = 386    2010 = 102  
 Sum: 596    Sum: 151

Calculation:  $\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{596}{151} = 3.947$



Journals 1 - 20 (of 81)

Navigation icons: <<< [ 1 | 2 | 3 | 4 | 5 ] >>>

Page 1 of 5

MARK ALL    UPDATE MARKED LIST

Ranking is based on your journal and sort selections.

Mark	Rank	Abbreviated Journal Title <small>(linked to journal information)</small>	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	<a href="#">MIS QUART</a>	0276-7783	4329	5.826	9.257	0.533	30	9.4	0.01128	3.567
<input type="checkbox"/>	2	<a href="#">ACAD MANAGE_J</a>	0001-4273	9555	5.017	6.209	2.231	65	>10.0	0.02466	3.583
<input type="checkbox"/>	3	<a href="#">ACAD MANAGE REV</a>	0363-7425	8341	4.372	6.446	1.091	55	>10.0	0.01453	3.572



# Journal Immediacy Index

- Journal Immediacy Index

해당저널에서 해당연도에 발행된 논문이 발행연도에 인용되는 수

$$\text{Immediacy Index (in current year)} = \frac{\text{no. of citations (in current year)}}{\text{no. of articles (in current year)}}$$

Ex> Cites in 2012 to items published in 2012 = 81  
 Number of items published in 2012 = 105  
 Calculation:  $\frac{\text{Cites to current items } 81}{\text{Number of current items } 105} = 0.771$

Journals 1 - 20 (of 81)

Navigation icons: back, forward, search, etc.

Page 1 of 5

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 <sup>i</sup>						Eigenfactor™ Metrics <sup>i</sup>	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor™ Score	Article Influence™ Score
<input type="checkbox"/>	1	<a href="#">MIS QUART</a>	0276-7783	4329	5.826	9.257	0.533	30	9.4	0.01128	3.567
<input type="checkbox"/>	2	<a href="#">ACAD MANAGE J</a>	0001-4273	9555	5.017	6.209	2.231	65	>10.0	0.02466	3.583
<input type="checkbox"/>	3	<a href="#">ACAD MANAGE REV</a>	0363-7425	8341	4.372	6.446	1.091	55	>10.0	0.01453	3.572

# Journal Cited Half Life

- Journal Cited Half Life?

해당저널에서 발행된 모든 논문이 발생시킨 총 인용의 50%에 해당하는 인용이 발생한 구간(시간)

### 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

**Cited Half-Life: 6.5 years**

Breakdown of the citations *to the journal* by the cumulative percent of 2012 cites to items published in the following years:

Cited Year	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002-all
# Cites from 2012	81	210	386	402	276	346	166	146	217	81	1253
Cumulative %	2.27	8.16	19.00	30.27	38.02	47.73	52.38	56.48	62.57	64.84	100

Total Cites	3564
Cites to Years Used in Impact Factor Calculation	596
Impact Factor	3.947

Journals 1 - 20 (of 81)

Navigation icons: |<<< [ 1 | 2 | 3 | 4 | 5 ] >>>|

Page 1 of 5

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 ⓘ					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	<a href="#">MIS QUART</a>	0276-7783	4329	5.826	9.257	0.533	30	9.4	0.01128	3.567
<input type="checkbox"/>	2	<a href="#">ACAD MANAGE J</a>	0001-4273	9555	5.017	6.209	2.231	65	>10.0	0.02466	3.583
<input type="checkbox"/>	3	<a href="#">ACAD MANAGE REV</a>	0363-7425	8341	4.372	6.446	1.091	55	>10.0	0.01453	3.572



# 5 Year Journal Impact Factor

- 5 Year Journal Impact Factor ?

해당 저널에서 지난 5년간 발행된 논문이 해당년도에 인용된 수의 평균값.

$$\text{Impact Factor (2012)} = \frac{\text{Cites in 2012 to 2007 ~ 2011 papers}}{\text{Papers published in 2007 ~ 2011}}$$

Ex> Cites in {2012} to items published in: 2011 =210    Number of items published in: 2011 =49  
 2010 =386    2010 =102  
 2009 =402    2009 =89  
 2008 =276    2008 =88  
 2007 =346    2007 =116  
 Sum: 1620    Sum: 444

Calculation:  $\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{1620}{444} = 3.649$

Journals 1 - 20 (of 81)

Navigation icons: <<< [ 1 | 2 | 3 | 4 | 5 ] >>>

Page 1 of 5

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 <sup>i</sup>						Eigenfactor™ Metrics <sup>i</sup>	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor™ Score	Article Influence™ Score
<input type="checkbox"/>	1	<a href="#">MIS QUART</a>	0276-7783	4329	5.826	9.257	0.533	30	9.4	0.01128	3.567
<input type="checkbox"/>	2	<a href="#">ACAD MANAGE J</a>	0001-4273	9555	5.017	6.209	2.231	65	>10.0	0.02466	3.583
<input type="checkbox"/>	3	<a href="#">ACAD MANAGE REV</a>	0363-7425	8341	4.372	6.446	1.091	55	>10.0	0.01453	3.572



# Journal Citation Reports 접속화면

WEB OF KNOWLEDGE<sup>SM</sup> | DISCOVERY STARTS HERE

THOMSON REUTERS

Sign In | Marked List (0) | My EndNote Web | My ResearcherID | My Citation Alerts | My Journal List | My Saved Searches | Log Out | Help

All Databases | Select a Database | Web of Science | Additional Resources

## Analytical Tools:

### Journal Citation Reports<sup>®</sup>

Journal performance metrics offer a systematic, objective means to critically evaluate the world's leading journals

- Delivers quantifiable statistical information based on citation data
- Provides a variety of impact and influence metrics, including the Journal Impact Factor and *Eigenfactor*<sup>®</sup>
- Includes rank-in-category tables, journal self-citations, and boxplots

### Essential Science Indicators<sup>SM</sup>

In-depth analytical tool offering data for ranking scientists, institutions, countries, and journals.

- Explore science performance statistics and science trends data, based on journal article publication counts and citation data
- Determine research output and impact in specific fields of research
- Evaluate potential employees, collaborators, reviewers, and peers

## Web Search Tools:

### Scientific WebPlus

## Web Sites:

### BiologyBrowser

A free database of resources and links for the life sciences information community.

### Index to Organism Names

The world's largest online database of scientific organism names.

### ResearcherID.com

ResearcherID provides the global research community with an invaluable index to author information. Each author listed is assigned a unique number, which serves as a fast, easy identifier.

### Thomson Reuters

Find out more about Thomson Reuters business, and R&D

Thomson Reuters - IP and Science



## How can I use these resources?

These products and Web sites provide a variety of data and analysis relevant to research.

Note: All of the resource links will open in a second browser window.

Step 1:

Web of Knowledge

(www.webofknowledge.com)

> Additional Resources

> Journal Citation Reports ←

# 검색 초기 화면

ISI Web of Knowledge<sup>SM</sup>

Journal Citation Reports<sup>®</sup>

[Information for New Users](#)

Select a JCR edition and year:	Select an option:
<input checked="" type="radio"/> JCR Science Edition <input type="text" value="2007"/>	<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="2007"/>	<input type="radio"/> Search for a specific journal
	<input type="radio"/> View all journals
<input type="button" value="SUBMIT"/>	

## Step 2:

아래 분류별로 선택하여  
검색하실 수 있습니다.

- Subject Category
- Publisher
- Country/Territory

# 검색 대상 연구 분야 선택

## Journal Citation Reports®



2007 JCR Science Edition

### Subject Category Selection

[Subject Category Scope Notes](#)

<b>1) Select one or more categories from the list.</b> <a href="#">(How to select more than one)</a>	<ul style="list-style-type: none"><li>BIODIVERSITY CONSERVATION</li><li><b>BIOLOGY</b></li><li>BIOPHYSICS</li><li>BIOTECHNOLOGY &amp; APPLIED MICROBIOLOGY</li><li>CARDIAC &amp; CARDIOVASCULAR SYSTEMS</li><li><b>CELL BIOLOGY</b></li><li>CHEMISTRY, ANALYTICAL</li><li>CHEMISTRY, APPLIED</li><li>CHEMISTRY, INORGANIC &amp; NUCLEAR</li></ul>
<b>2) Select to view Journal data or aggregate Category data.</b>	<p><input checked="" type="radio"/> <b>View Journal Data</b> - sort by: <input type="text" value="Journal Title"/></p> <p><input type="radio"/> <b>View Category Data</b> - sort by: <input type="text" value="Category Title"/></p>
<input type="button" value="SUBMIT"/>	

**Step 3:** “Ctrl” key 와 함께 클릭을 하시면 복수개의 저널을 한꺼번에 지정하실 수 있습니다.

# 관심있는 값 기준으로 재 배열하기

## Journal Citation Reports®

WELCOME ? HELP 2007 JCR Science Edition

**Journal Summary List** [Journal Title Changes](#)

Journals from: **subject categories CELL BIOLOGY** [VIEW CATEGORY SUMMARY LIST](#)

Sorted by: **Impact Factor** [SORT AGAIN](#)

Journals 1 - 20 Page 1 of 8

MARK ALL UPDATE Navigation: [1 | 2 | 3 | 4 | 5 | 6 | 7 | 8] >>>

*Sorting is based on your journal and sort selections.*

Mark	Rank	Journal Title (linked to journal information)	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Current Articles	Cited Half-Life	5-Year Cited Half-Life	Eigenfactor(TM) Score	ArticleInfluence(TM) Score
<input type="checkbox"/>	1	<a href="#">NAT REV MOL CELL BIO</a>	1471-0072	16584	31.921	32.422	6.342	119	5.7	0.25169	12.715	10.978
<input type="checkbox"/>	2	<a href="#">CELL</a>	0092-8674	136514	29.887	28.779	6.342	119	5.7	0.25169	12.715	10.978
<input type="checkbox"/>	3	<a href="#">NAT MED</a>	1078-8956	45986	26.382	29.567	6.342	119	5.7	0.25169	12.715	10.978
<input type="checkbox"/>	4	<a href="#">ANNU REV CELL DEV BI</a>	1081-0706	7867	23.545	25.642	1.320	25	6.7	0.05289	16.606	10.978
<input type="checkbox"/>	5	<a href="#">NAT CELL BIOL</a>	1465-7392	20639	17.623	17.332	4.347	147	4.9	0.18735	10.978	10.978

Step 4: Impact Factor, Immediacy Index 등 원하는 분류조건으로 저널을 재정렬 시킬 수 있습니다.

# 인용 분석을 통한 저널 및 연구분야 탐색

## Journal Citation Reports®

WELCOME HELP

### Journal Summary List

Journals from: **subject categories MANAGEMENT** VIEW CATEGORY SUMMARY LIST

Sorted by: **Impact Factor** SORT AGAIN

Journals 1 - 20 (of 81)

Navigation: [ 1 | 2 | 3 | 4 | 5 ]

MARK ALL UPDATE MARKED LIST

Ranking is based on your journal and sort selections.

Step 5: 각종 지수를 검토해 보고 submit할 우수한, 적합한 저널을 선택할 수 있습니다.

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	MIS QUARTERLY	0276-7345	4329	5.826	9.257	0.533	30	9.4	0.01128	3.567
<input type="checkbox"/>	2	ACM SIGMIS DATABASE	1548-7649	9555	5.017	6.209	2.231	65	>10.0	0.02466	3.583
<input type="checkbox"/>	3	COMMUNICATIONS OF THE ACM	0002-0712	8341	4.372	6.446	1.091	55	>10.0	0.01453	3.572
<input type="checkbox"/>	4	COMMUNICATIONS OF THE ACM	0002-0712	5137	3.130	5.596	0.672	58	9.2	0.01662	3.136
<input type="checkbox"/>	5	COMMUNICATIONS OF THE ACM	0002-0712	7123	2.912	6.345	0.500	12	>10.0	0.00980	4.847
<input type="checkbox"/>	6	COMMUNICATIONS OF THE ACM	0002-0712	9512	2.829	5.090	0.441	68	>10.0	0.01963	2.461

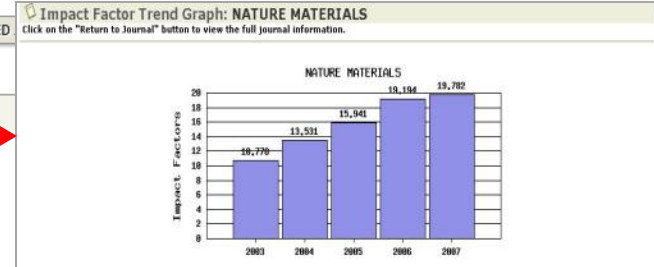
Note: 연구분야에 따라 Impact Factor보다 5year Impact Factor가 더 높은 경향이 나타날 수도 있습니다. 이럴 경우, 연구논문의 발표이후 성숙 및 발전에 비교적 오랜시간이 걸리는 학문분야 특성에 기인하는 것이므로, 학문분야별로 특성에 맞추어 지수를 검토하는 것이 필요합니다.

# 자세한 저널정보 이용하기

## Journal: NATURE MATERIALS

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"/>	<a href="#">NAT MATER</a>	1476-1122	13606	<a href="#">19.782</a>	<a href="#">22.720</a>	<a href="#">5.278</a>	133	<a href="#">3.2</a>	<a href="#">4.8</a>

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



### Journal Information

**Full Journal Title:** NATURE MATERIALS  
**ISO Abbrev. Title:** Nat. Mater.  
**JCR Abbrev. Title:** NAT MATER  
**ISSN:** 1476-1122

**Issues/Year:** 12

**Language:** ENG

**Journal Country/Territory:** ENG

**Publisher:** NAT

**Publisher Address:** MACMILLAN BOOKS, 325 Chestnut St., London W1 3AW, ENGLAND

**Subject Categories:** CHEMISTRY, PHYSICAL

MATERIALS SCIENCE, MULTIDISCIPLINARY

PHYSICS, APPLIED

PHYSICS, CONDENSED MATTER

VIEW JOURNAL SUMMARY LIST VIEW CATEGORY DATA

VIEW JOURNAL SUMMARY LIST VIEW CATEGORY DATA

VIEW JOURNAL SUMMARY LIST VIEW CATEGORY DATA

VIEW JOURNAL SUMMARY LIST VIEW CATEGORY DATA

저널이 속한 subject categories에 대한 설명을 볼 수 있습니다.

최근 5년의 Journal Impact factor 추세를 그래프로 확인할 수 있습니다.

SCOPE NOTE

VIEW JOURNAL SUMMARY LIST

VIEW CATEGORY DATA

SCOPE NOTE

VIEW JOURNAL SUMMARY LIST

VIEW CATEGORY DATA

SCOPE NOTE

VIEW JOURNAL SUMMARY LIST

VIEW CATEGORY DATA

SCOPE NOTE

VIEW JOURNAL SUMMARY LIST

VIEW CATEGORY DATA

View related journal list

Journal Rank in Categories: JOURNAL RANKING

저널이 속한 연구분야 내에서 해당 저널의 위치를 확인하실 수 있습니다.





**Thank you !**

**Thomson Reuters 한국지사 고객지원센터**

**[ts.support.korea@thomsonreuters.com](mailto:ts.support.korea@thomsonreuters.com)**

**무료통화번호 080-010-8100**