

# Journal Citation Reports on the Web

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## Introduction

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- JCR distills citation trend data for over 10,000 journals from more than 28 million cited references indexed by Thomson Reuters – Science and Scholarly Research division (formally ISI) every year
- Science Edition and Social Science Edition released annually
  - The 2010 edition was released in June 2011
  - The JCR typically takes 6 months to produce
- No Arts and Humanities edition
- No plans for a Book Citation Index Edition
- All journals in JCR appear in Web of Science

## New in 2010 edition

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- 500 titles receiving Impact Factor for the first time
  - 800 regional titles added in past 4 years
- Total of over 10,000 journals representing:
  - 2,200 publishers
  - 230 disciplines
  - 78 countries

## Uses of the JCR

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What do librarians, researchers, and publishers do with the JCR?

- Discover highest-impact journals
- Develop and manage journal collections
- Find related journals
- Identify review journals
- View citation information for subject categories

## Using the JCR Wisely

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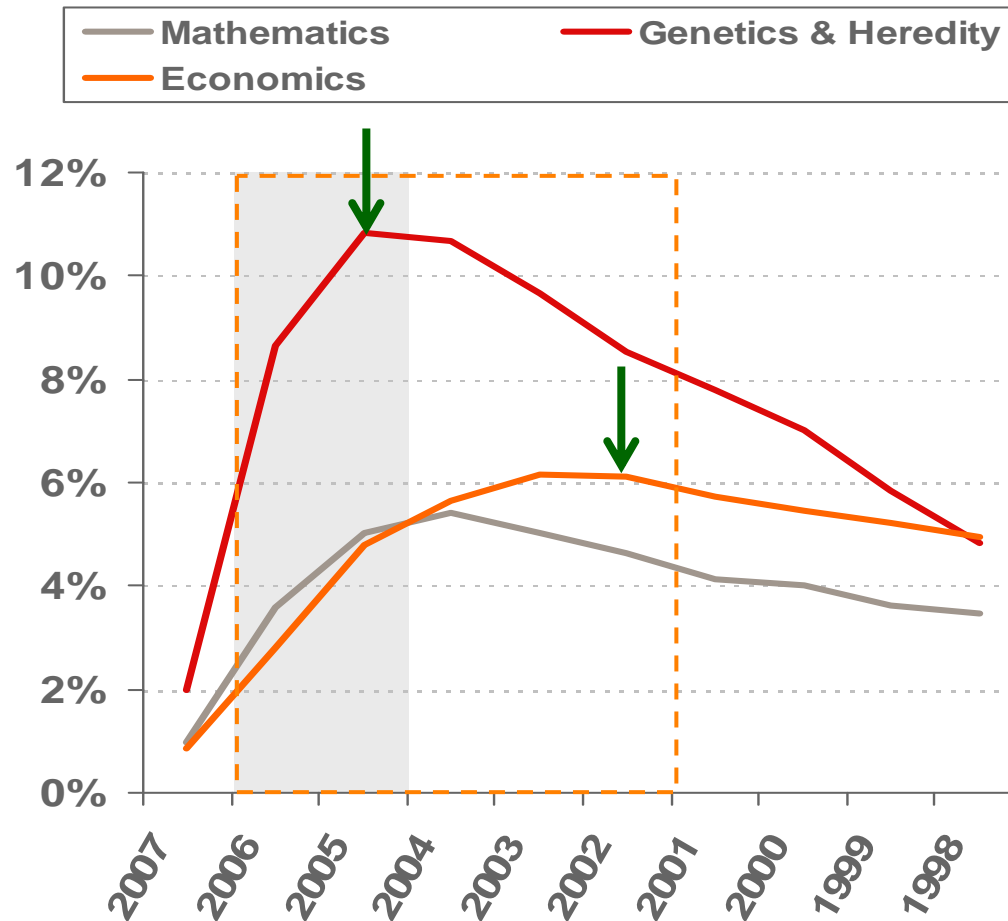
- JCR metrics provide useful perspectives for evaluating journals, but users should not depend solely of citation data when making evaluation (Peer review, local usage, etc.)
- Citation rates and citation patterns are different in different disciplines
- Compare Similar Journals (Journals from same/similar subject categories.)
- Changes in format, frequency of publication, and percentage of original research articles can affect a journal's citation rate
- Language of publication can affect a journal's citation rate
- Impact Factor data should not be used to evaluate individual articles or researchers

## New Metrics (Since 2009)

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- Five year Impact Factor
- Impact factor controlled for self citations
- Rank in Category
- Eigenfactor™ Metrics
- Eigenfactor™ Score
- Article Influence™
  - More information on Eigen Factor metrics at <http://eigenfactor.org/>

## 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.

# JCR Home Page

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 type="radio"/> JCR Science Edition <input type="text" value="2008"/>	<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="2008"/>	<input type="radio"/> Search for a specific journal
	<input checked="" 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 Fri Jun 19 07:25:29 2009*

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Science and Social Science editions must be searched separately

Before starting, click on **Information for New Users** and read "Using the JCR Wisely."



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# Journal Search Screen

**Journal Citation Reports®**

WELCOME HELP

008 JCR Science Edition [Journal Title Changes](#)

**Journal Search**

<b>1) Search by:</b>	<b>2) Type search term:</b>
<input type="text" value="Full Journal Title"/>	<input type="text" value="human*"/>
<ul style="list-style-type: none"><li>Full Journal Title</li><li>Abbreviated Journal Title</li><li><b>Title Word</b></li><li>ISSN</li></ul>	<input type="button" value="SEARCH"/>

**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](#))

You can search by Full Journal Title, Journal Abbreviation, Title Word, or ISSN. Select Title Word from the menu.

# Journal Summary List

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

Journal Citation Reports<sup>®</sup>

WELCOME ? HELP

2008 JCR Science Edition [Journal Title Changes](#)

**Journal Summary List**

Journals from: search Full Journal Title for 'HUMAN\*'

Sorted by:

Journals 1 - 19 (of 19) Page 1 of 1

Ranking is based on *Journal* and sort selections.

Mark	Rank	Abbreviated Journal Title <i>(linked to journal information)</i>	ISSN	JCR Data <i>i</i>						Eigenfactor <sup>TM</sup> Metrics <i>i</i>	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor <sup>TM</sup> Score	Article Influence <sup>TM</sup> Score
<input type="checkbox"/>	1	<a href="#">HUM BIOL</a>	0018-7143	2004	0.807	1.346	0.107	28	>10.0	0.00276	0.426
<input type="checkbox"/>	2	<a href="#">HUM BRAIN MAPP</a>	1065-9471	6602	5.395	6.022	1.205	117	6.7	0.02387	2.387
<input type="checkbox"/>	3	<a href="#">HUM ECOL RISK ASSESS</a>	1080-7039	953	1.290	1.228	0.136	66	6.1	0.00238	0.292
<input type="checkbox"/>	4	<a href="#">HUM EXP TOXICOL</a>	0960-3271	1874	1.456	1.661	0.132	91	7.2	0.00369	0.381
<input type="checkbox"/>	5	<a href="#">HUM FACTOR ERGON MAN</a>	1090-8471	132	0.434	0.477	0.083	36	6.2	0.00046	0.164
<input type="checkbox"/>	6	<a href="#">HUM FACTORS</a>	0018-7208	2471	1.529	1.870	0.146	89	>10.0	0.00407	0.582
<input type="checkbox"/>	7	<a href="#">HUM GENE THER</a>	1043-0342	6357	4.104	4.062	0.991	110	6.9	0.01761	1.300
<input type="checkbox"/>	8	<a href="#">HUM GENET</a>	0340-6717	8221	4.042	3.746	0.853	129	8.4	0.02700	1.570

Click on title link to display full record.

# Full Record Page

**Journal Citation Reports®**

WELCOME HELP RETURN TO LIST PREVIOUS JOURNAL NEXT JOURNAL

2008 JCR Science Edition

**Journal: HUMAN BRAIN MAPPING**

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="#">HUM BRAIN MAPP</a>	1065-9471	6602	<a href="#">5.395</a>	<a href="#">6.022</a>	<a href="#">1.205</a>	117	<a href="#">6.7</a>	<a href="#">7.4</a>

[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: HUMAN BRAIN MAPPING  
 ISO Abbrev. Title: Hum. Brain Mapp.  
 JCR Abbrev. Title: HUM BRAIN MAPP  
 ISSN: 1065-9471  
 Issues/Year: 12  
 Language: ENGLISH  
 Journal Country/Territory: UNITED STATES  
 Publisher: WILEY-LISS  
 Publisher Address: DIV JOHN WILEY & SONS INC, 111 RIVER ST, HOBOKEN, NJ 07030  
 Subject Categories: NEUROSCIENCES  
 NEUROIMAGING  
 RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING

[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](#)

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

**Eigenfactor™ Metrics**  
 Eigenfactor™ Score: 0.02387  
 Article Influence™ Score: 2.387

**Additional Links**  
[GO TO ULRICH'S](#)  
[GO TO CC CONNECT](#)  
 Holdings

Hyperlinks lead to data calculations below

View category data here

# Impact Factor

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## Journal Impact Factor

Cites in 2008 to items published in:	2007 = 559	Number of items published in:	2007 = 121
	2006 = 574		2006 = 89
	Sum: 1133		Sum: 210

Calculation:	<u>Cites to recent items</u>	<u>1133</u>	<u>= 5.395</u>
	Number of recent items	210	

ISI calculates the impact factor by:

dividing the number of citations in 2008 to articles published in previous two years (2006-2007) by the total number of articles published in the previous two years (2006-2007).

# Five-Year Impact Factor

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## 5-Year Journal Impact Factor

Cites in {2008} to items published in:	2007 = 559	Number of items published in:	2007 = 121
	2006 = 574		2006 = 89
	2005 = 786		2005 = 96
	2004 = 430		2004 = 73
	2003 = 367		2003 = 72
	Sum: 2716		Sum: 451

Calculation:	<u>Cites to recent items</u>	<u>2716</u>	=	<b>6.022</b>
	Number of recent items	451		

Calculated similarly to the traditional Impact Factor: the number of citations in 2008 to articles published in previous five years (2003-2007) by the total number of articles published in the previous two years (2003-2007).

## Journal Self-Cites

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### 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	6602	Self Cites	326 (4% of 6602)
Cites to Years Used in Impact Factor Calculation	1133	Self Cites to Years Used in Impact Factor Calculation	47 (4% of 1133)
Impact Factor	5.395	Impact Factor without Self Cites	5.171

This table provides the ability to easily compare self-citation rates among journals. The Impact Factor (2-year) is recalculated to exclude self-cites. The self-citation percentage is also included.

## Journal Rank in Category

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### Journal Ranking ⓘ

For **2008**, the journal **HUMAN BRAIN MAPPING** has an Impact Factor of **5.395**.

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
NEUROIMAGING	12	2	Q1
NEUROSCIENCES	219	30	Q1
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING	90	4	Q1

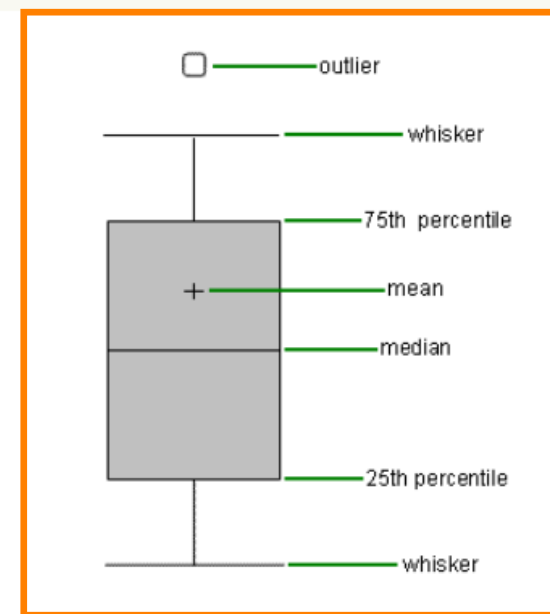
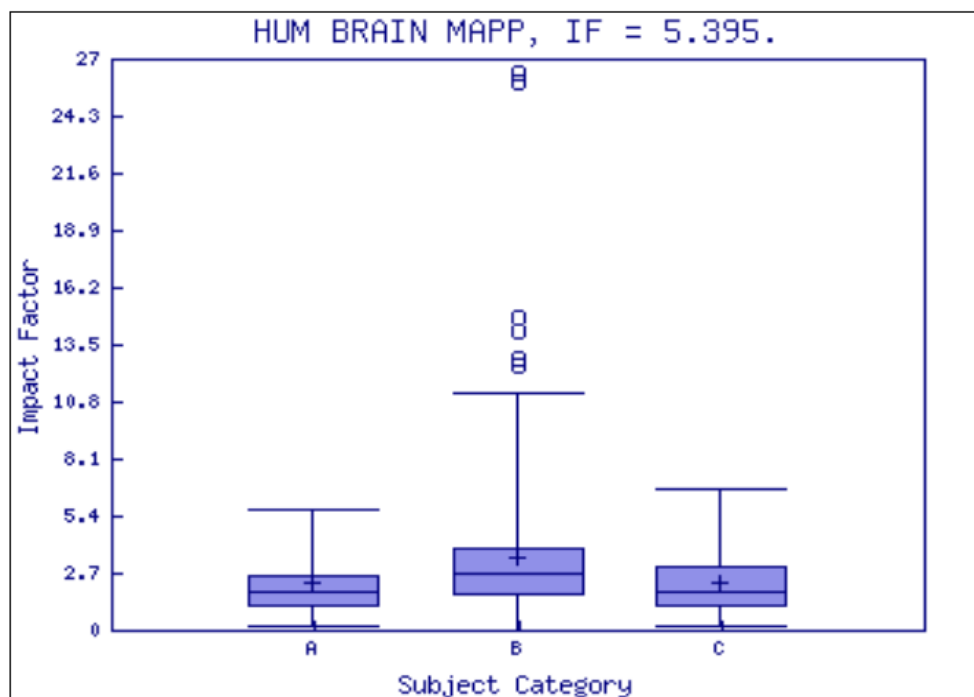
The rank in category table displays each category assigned to the journal and the journal's rank in each based on Impact Factor.

# Journal Rank in Category – Box Plot

## Category Box Plot ⓘ

For 2008, the journal **HUMAN BRAIN MAPPING** has an Impact Factor of **5.395**.

This is a box plot of the subject category or categories to which the journal has been assigned. It provides information about the distribution of journals based on Impact Factor values. It shows median, 25th and 75th percentiles, and the extreme values of the distribution.



### Key

- A - NEUROIMAGING
- B - NEUROSCIENCES
- C - RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING



# Immediacy Index

Calculated by dividing the number of citations to articles published in a year (2008) by the total number of articles published in that year (2008).

## Journal Immediacy Index

Cites in 2008 to items published in 2008 = 141

Number of items published in 2008 = 117

Calculation:  $\frac{\text{Cites to current items}}{\text{Number of current items}} = \frac{141}{117} = 1.205$

Tells you how often articles published in a journal are cited during their year of publication

This can be an indication of how “hot” a journal is

# Cited Half Life

## Journal Cited Half-Life ⓘ

The cited half-life for the journal is the median age of its items cited in the current

**Cited Half-Life: 6.7 years**

Half of the citations received in 2008 were to articles published in 2002/2003 or later

Breakdown of the citations *to the journal* by the cumulative percent of 2008 cites to items published in the following years:

Cited Year	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998-all
# Cites from 2008	141	559	574	786	480	367	670	477	473	566	1559
Cumulative %	2.14	10.60	19.30	31.20	37.72	43.27	53.42	60.65	67.81	76.39	100

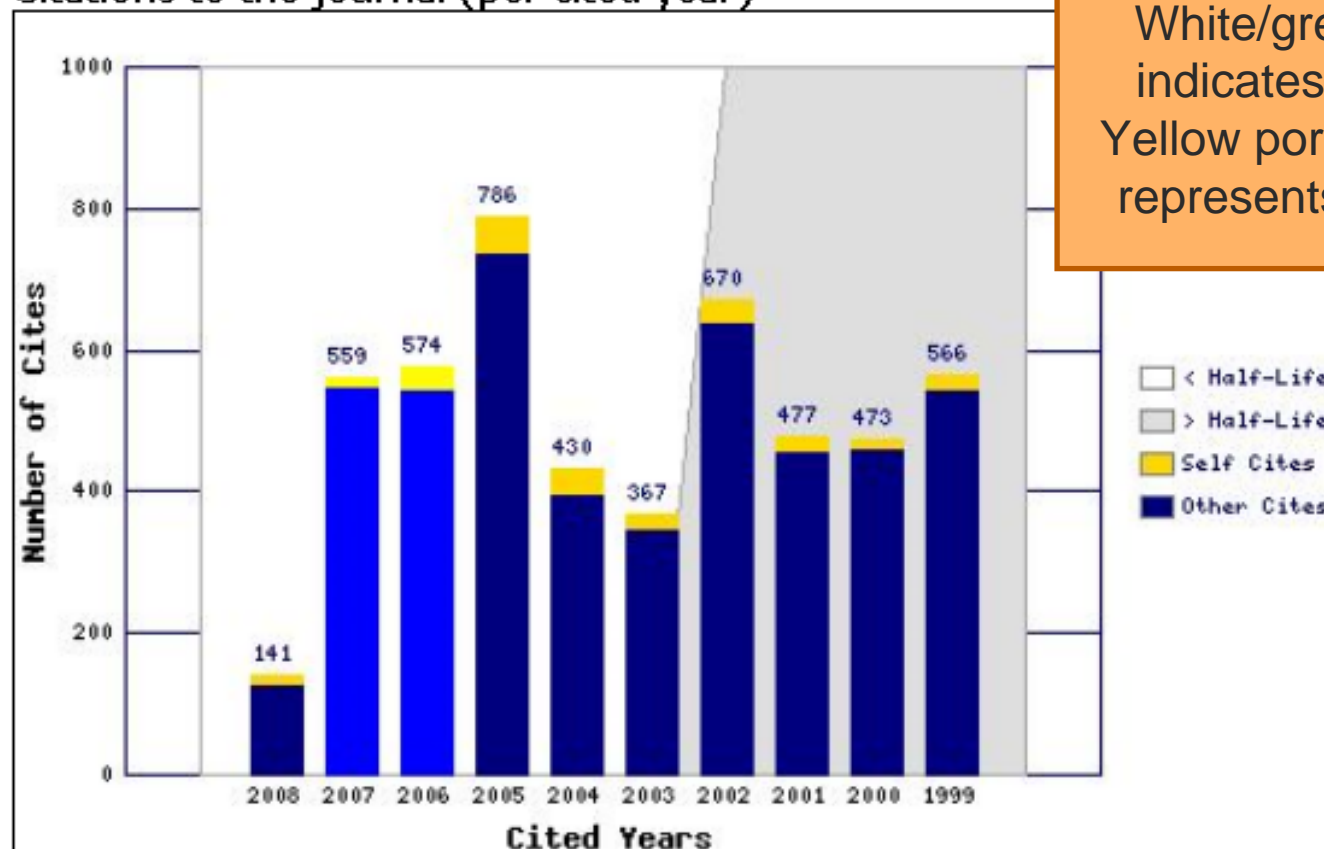
### Cited Half-Life Calculations:

The cited half-life calculation finds the number of publication years from the current JCR year that account for 50% of citations in the calculation.

- Median age of the articles published in this journal that were cited in 2008

# Cited Journal Graph

Citations to the journal (per cited year)



White/grey slanted line indicates cited half life. Yellow portion of each bar represents self-citations.

# Citing Half Life

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## Journal Citing Half-Life ⓘ

The citing half-life for the journal is the median age of the items the journal cites. The citing half-life is the number of years from the current JCR year that account for 50% of citations.

**Citing Half-Life: 7.4 years**

Over half of the articles *cited by* the selected journal were published in 2001/2002 or later.

Breakdown of the citations *from the journal* by the cumulative percent of 2008 cites to items published in the following years:

Cited Year	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998-all
# Cites from 2008	25	160	521	631	618	596	532	530	439	440	2120
Cumulative %	0.38	2.80	10.68	20.22	29.57	38.58	46.63	54.64	61.28	67.94	100

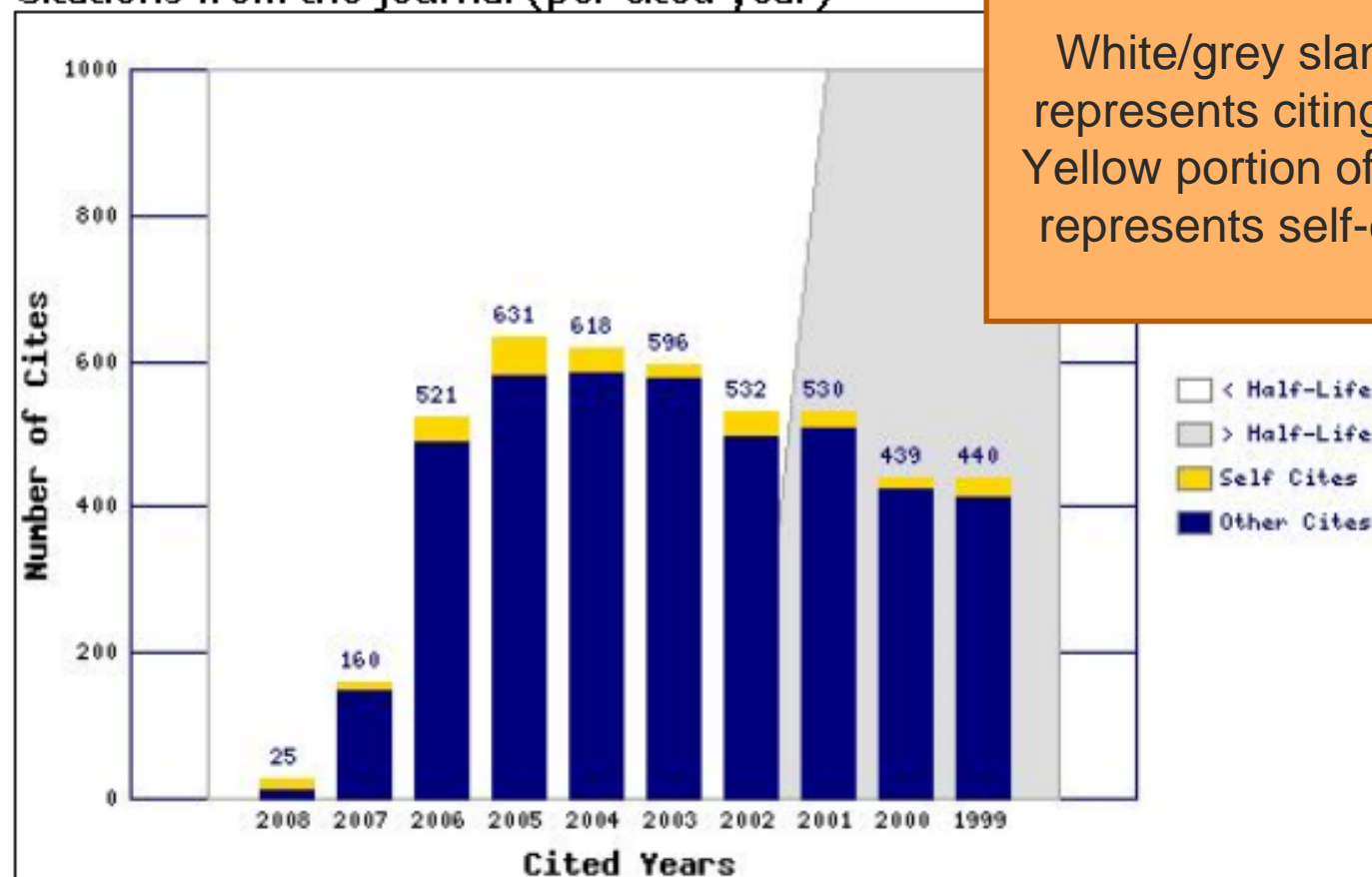
### Citing Half-Life Calculations:

The citing half-life calculation finds the number of publication years from the current JCR year that account for 50% of citations calculation.

- Median age of articles cited by the selected journal in its article references

# Citing Journal Graph

Citations from the journal (per cited year)



## Source Data

### Journal Source Data ⓘ

	Citable items			Other items
	Articles	Reviews	Combined	
Number in JCR year 2008 (A)	110	7	117	3
Number of references (B)	5855	738	6593	19.00
Ratio (B/A)	53.2	105.4	56.4	6.3

Review articles are often more highly cited than original research articles: *consider a journal's source data by document type.*

Tallies the number of original research and review articles published in the current year (2008)

Also tallies the number of references published by the selected journal in the current year

Other Items = document types not included in the number of citable items published by this journal (e.g. letters, news items, editorials, etc)

## Journal Citation Reports®

### Eigenfactor Metrics™: Eigenfactor™ and Article Influence™:

To compliment Impact Factor and other JCR metrics by providing a broader perspective on Journal Influence through specific measures now widely accepted by the scholarly community.

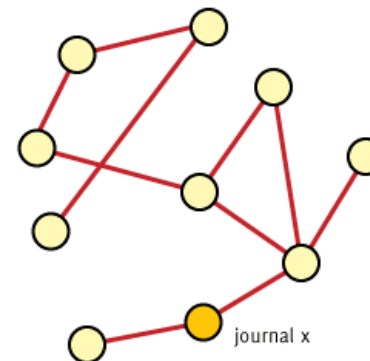
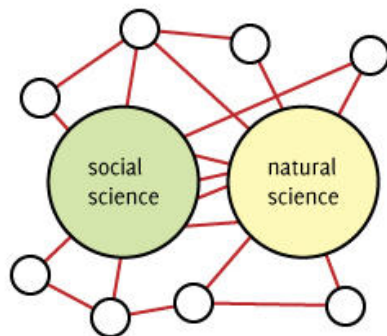
These metrics are developed through The Eigenfactor Project™ -- a non-commercial academic research project sponsored by the Bergstrom lab in the Department of Biology at the University of Washington. – [www.eigenfactor.org](http://www.eigenfactor.org)

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	<a href="#">EARTH PLANET SC LETT</a>	0012-821X	26488	3.873	4.445	0.563	503	8.3	0.12507	2.422
<input type="checkbox"/>	2	<a href="#">GEOCHIM COSMOCHIM AC</a>	0016-7037	32873	3.665	4.419	0.719	395	>10.0	0.08079	1.939
<input type="checkbox"/>	3	<a href="#">CHEM GEOL</a>	0009-2541	12562	3.231	4.146	0.500	254	8.5	0.04291	1.768
<input type="checkbox"/>	4	<a href="#">GEOPHYS J INT</a>	0956-540X	10960	2.112	2.370	0.438	402	9.5	0.04057	1.179
<input type="checkbox"/>	5	<a href="#">GEOCHEM GEOPHY GEOSY</a>	1525-2027	2926	2.354	2.933	0.401	172	4.1	0.03249	1.744
<input type="checkbox"/>	6	<a href="#">TECTONOPHYSICS</a>	0040-1951	12310	1.729	2.179	0.255	161	>10.0	0.03074	1.069
<input type="checkbox"/>	7	<a href="#">IEEE T GEOSCI REMOTE</a>	0196-2892	9167	2.344	2.598	0.283	375	6.8	0.03053	0.891
<input type="checkbox"/>	8	<a href="#">AM MINERAL</a>	0003-004X	10676	2.203	2.329	0.442	226	>10.0	0.02707	1.065

## Journal Citation Reports®

### Eigenfactor™ Score:

- Scholarly references join journals together in a vast network of citations. **The Eigenfactor Score algorithm uses the structure of the entire network to evaluate the importance of each journal, cutting across all disciplines. Self-citations are excluded.**
- This corresponds to a simple model of research in which readers follow chains of citations as they move from journal to journal.
- Eigenfactor calculations take into consideration a 5-year span of citation activity utilizing data from the *Journal Citation Reports*.
- **Journals are considered to be influential if they are cited often by other *influential journals*.**





## Journal Citation Reports® – Enhancements

### Article Influence™ Score:

- As with Eigenfactor Score, Article Influence Score:
- Uses the structure of the entire citation network to evaluate the importance of each journal, based on **JCR** data.
- Does not consider self-citations
- The calculation of Article Influence Score does in fact incorporate Eigenfactor Score.
- However, as Eigenfactor Score can be described as presenting the total collective value provided by all of the articles published in a journal in a year – **Article Influence Score measures the average influence of individual articles appearing in the same journal, translating to the importance of an article published in that journal.**
- Because it does present an average for article-level influence, Article Influence is more like the Impact Factor than Eigenfactor Score – though keep in mind the methodology is quite different and therefore provides a perspective different from but complimentary to Impact Factor.

# More data from the Full Record

## Journal Citation Reports®

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[PREVIOUS JOURNAL](#)
[NEXT JOURNAL](#)

2008 JCR Science Edition

### Journal: HUMAN BRAIN MAPPING

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="#">HUM BRAIN MAPP</a>	1065-9471	6602	<a href="#">5.395</a>	<a href="#">6.022</a>	<a href="#">1.205</a>	117	<a href="#">6.7</a>	<a href="#">7.4</a>

[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:** HUMAN BRAIN MAPPING  
**ISO Abbrev. Title:** Hum. Brain Mapp.  
**JCR Abbrev. Title:** HUM BRAIN MAPP  
**ISSN:** 1065-9471

**Issues/Year:** 12  
**Language:** ENGLISH  
**Journal Country/Territory:** UNITED STATES  
**Publisher:** WILEY-LISS

**Publisher Address:** DIV JOHN WILEY & SONS INC, 111 RIVER ST, HOBOKEN, NJ 07030

**Subject Categories:** NEUROSCIENCES

NEUROIMAGING

RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING

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**Eigenfactor™ Metrics**  
**Eigenfactor™ Score**  
 0.02387  
**Article Influence™ Score**  
 2.387

#### Additional Links

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

# Cited Journal List

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

Journal Citation Reports<sup>®</sup>

WELCOME HELP RETURN TO JOURNAL

2008 JCR Science Edition

**Cited Journal: HUMAN BRAIN MAPPING**

Number of times articles published in 2008 (in journals below) cited articles published in HUM BRAIN MAPP (in years below). ([How to read this table](#))

Journals 1 - 20 (of 438) Page 1 of 22

Impact	Citing Journal	Cited Year											
		All Yrs	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	Rest
	All Journals	6602	141	559	574	786	430	367	670	477	473	566	1559
5.694	<a href="#">NEUROIMAGE</a>	1074	15	109	100	104	45	72	11	72	75	104	265
5.395	<a href="#">HUM BRAIN MAPP</a>	326	15	13	34	52	36	21	3	21	14	26	59
	ALL OTHERS (252)	252	2	24	13	30	14	25	2	22	28	21	46
5.907	<a href="#">CEREB CORTEX</a>	222	0	18	22	30	11	8		14	9	26	59
4.074	<a href="#">NEUROPSYCHOLOGIA</a>	214	3	16	19	30	16	12		16	24	17	41
2.494	<a href="#">BRAIN RES</a>	166	4	15	12	15	10	11		12	13	16	37
4.867	<a href="#">J COGNITIVE NEUROSCI</a>	164	1	7	11	18	10	5		18	8	22	56
7.452	<a href="#">J NEUROSCI</a>		8	16	15	11	4	6		4	10	19	39
1.871	<a href="#">MAGN RESON IMAGING</a>	79		5	4	4	5						29
9.603	<a href="#">BRAIN</a>												21
2.972	<a href="#">CLIN NEUROPHYSIOL</a>												6
2.020	<a href="#">BRAIN LANG</a>												16

References to all older articles.

A list of journals which have cited Human Brain Mapping within 2008

Publication year of cited article.

# Citing Journal List

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

Journal Citation Reports<sup>®</sup>

WELCOME HELP RETURN TO JOURNAL

2008 JCR Science Edition

Citing Journal: **HUMAN BRAIN MAPPING**

Number of times articles published in journals below (in years below) were cited in HUM BRAIN MAPP in 2008. ([How to read this table](#))

Journals 1 - 20 (of 349) Page 1 of 18

Impact	Cited Journal	Cited Year											
		All Yrs	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	Rest
	All Journals	6612	25	160	521	631	618	596	532	530	439	440	2120
5.694	<a href="#">NEUROIMAGE</a>	948	5	37	149	133	141	116	115	58	50	56	88
	ALL OTHERS (563)	563	1	11	33	39	38	33	38	8	24	31	277
5.395	<a href="#">HUM BRAIN MAPP</a>	326	15	13	34	52	36	21	35		14	26	59
9.380	<a href="#">P NATL ACAD SCI USA</a>	228	0	7	17	34	17	26	13		14	8	65
9.603	<a href="#">BRAIN</a>	191	0	2	4	13	7	19	22		14	17	81
7.452	<a href="#">J NEUROSCI</a>	189	0	1	23	25	20	23	16		2	7	52
3.449	<a href="#">MAGN RESON MED</a>	171	0	0	1	9	11	8					
5.907	<a href="#">CEREB CORTEX</a>	168	0	13	14	22	12	20					
4.867	<a href="#">J COGNITIVE NEUROSCI</a>	127	0	1	16	8	20	24					
2.972	<a href="#">CLIN NEUROPHYSIOL</a>	116	0	0	0	0	0	0	0	0	0	0	0
4.074	<a href="#">NEUROPSYCHOLOGIA</a>												
3.648	<a href="#">J NEUROPHYSIOL</a>	112							8	13	10	5	43
1.004	<a href="#">NEUROREPORT</a>	106							12	13	13	9	32
		106									4	6	50

The publication year of the articles being cited

A list of journals that Human Brain Mapping has cited in 2008.

# Related Journals

**Journal Citation Reports®**

WELCOME ? HELP RETURN TO JOURNAL

2008 JCR Science Edition

**Related Journals: HUMAN BRAIN MAPPING**

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 HUM BRAIN MAPP.  
[More information about these calculations.](#)

Sorted by: R max SORT AGAIN

Journals 1

R max  
 Related journal  
 R journal to j  
 R j to journal

Page 1 of 8

R <sub>max</sub>	Related journal (j)	Relatedness (R)	
		HUM BRAIN MAPP to j	j to HUM BRAIN MAPP
372.48	<a href="#">HUM BRAIN MAPP</a>	372.48	372.48
212.27	<a href="#">BRAIN TOPOGR</a>	168.89	212.27
208.15	<a href="#">NEUROIMAGE</a>	177.10	208.15
166.96	<a href="#">MAGN RESON IMAGING</a>	26.45	166.96
158.12	<a href="#">COGN AFFECT BEHAV NE</a>	94.81	158.12
139.23	<a href="#">ANNU REV NEUROSCI</a>		9.55
125.40	<a href="#">J COGNITIVE NEUROSCI</a>		115.56
124.85	<a href="#">IEEE T MED IMAGING</a>		124.85
121.55	<a href="#">BRAIN LANG</a>		51.27
108.41	<a href="#">NAT REV NEUROSCI</a>		18.92

These journals have a subject relationship to the journal Human Brain Mapping based on citations given or received.

## Relatedness: Journal Level

---

- Considers bi-directional citation pairs:

Journal *i* cites Journal *j*

AND

Journal *j* cites Journal *i*

- The specific relatedness calculation we are using was developed by *Garfield and Pudovkin (2002)*. “Algorithmic procedure for finding semantically related journals.” *JASIST* 53: 1113-1119.

## Related Journals

---

- The Relatedness between journals is characterized by two calculations

$$R_{i>j} = \frac{H_{i>j} * 10^6}{(Pap_j * Ref_i)} \quad R_{j>i} = \frac{H_{j>i} * 10^6}{(Pap_i * Ref_j)}$$

## What does “relatedness” mean?

---

- The relatedness calculation is like a measure of the “citation density” between two journals.
- $H_{i>j}$

The numerator considers the number of citations going from journal  $i$  to journal  $j$

- The denominator includes two factors that normalize for the size of the journals:

$Pap_j$ : the number of papers in the cited journal

$Ref_i$ : the total number of references given by journal  $i$  to any journal



# Impact Factor Trend Graph

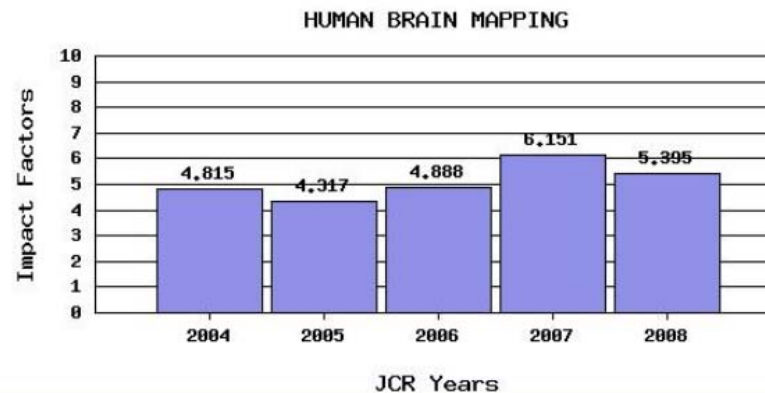
Journal Citation Reports®



2008 JCR Science Edition

## Impact Factor Trend Graph: HUMAN BRAIN MAPPING

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



*\*Impact Factor -- see below for calculations*

The journal impact factor is a measure of the frequency with which the "average article" in a journal has been cited in a particular year. The impact factor will help you evaluate a journal's relative importance, especially when you compare it to others in the same field. For more bibliometric data and information on this and other journal titles click on the "Return to Journal" button.

NOTE: Title changes and coverage changes may result in no impact factor for one or more years in the above graph.

- Indicates Impact Factor over a period of five years
- Entry point into JCR from Web of Science

# Examine Subject Categories

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

Journal Citation Reports<sup>®</sup>

Select a JCR edition and year:	Select an option:
<input checked="" type="radio"/> JCR Science Edition <input type="text" value="2008"/>	<input 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="2008"/>	<input checked="" type="radio"/> Search for a specific journal <input type="text" value="Subject Category"/>
	<input type="radio"/> View all journals <input type="text" value="Country/Territory"/>
<input type="button" value="SUBMIT"/>	

*This product is best viewed in 800x600 or higher resolution*

*The Notices file was last updated Fri Jun 19 07:25:29 2009*

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# View Journal Data

**Journal Citation Reports®**

WELCOME ? HELP

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**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>	MYCOLOGY NANOSCIENCE & NANOTECHNOLOGY <b>NEUROIMAGING</b> NEUROSCIENCES NUCLEAR SCIENCE & TECHNOLOGY NURSING NUTRITION & DIETETICS OBSTETRICS & GYNECOLOGY OCEANOGRAPHY
<b>2) Select to view Journal data or aggregate Category data.</b>	<input checked="" type="radio"/> <b>View Journal Data</b> - sort by: <input type="radio"/> <b>View Category Data</b> - sort by:
	<input type="text" value="Journal Title"/> <input type="text" value="Journal Title"/> <input type="text" value="Total Cites"/> <input type="text" value="Impact Factor"/> <input type="text" value="Immediacy Index"/> <input type="text" value="Current Articles"/> <input type="text" value="Cited Half-Life"/>
<input type="button" value="SUBMIT"/>	

View journal-level data for publications in this subject category

# Sort Journals in the Category

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Journal Summary List [Journal Title Changes](#)

Journals from: subject categories NEUROIMAGING [VIEW CATEGORY](#)

Sorted by: **Journal Title** [SORT AGAIN](#)

Journals 1 - 12

MARK ALL UPDATE

Ranking is based on your journal and sort selections.

Mark	Rank	Journal Title ( <small>Journal Title</small> )	ISSN	JCR Data <small>i</small>					Eigenfactor <sup>TM</sup> Metrics	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor <sup>TM</sup> Score
<input type="checkbox"/>	1	<a href="#">AM J NEURORADIOL</a>	0195-6108	14463	2.745	3.010	0.528	371	7.1	0.03840
<input type="checkbox"/>	2	<a href="#">CLIN EEG NEUROSCI</a>	1550-0594	164	1.151	1.282	0.125	40	2.9	0.00112
<input type="checkbox"/>	3	<a href="#">HUM BRAIN MAPP</a>	1065-9471	6602	5.395	6.022	1.205	117	6.7	0.02387
<input type="checkbox"/>	4	<a href="#">J NEUROIMAGING</a>	1051-2284	984	1.811	1.872	0.247	73	4.7	0.00419
<input type="checkbox"/>	5	<a href="#">J NEURORADIOLOGY</a>	0150-9861	483	1.429	0.904	0.103	39	7.2	0.00101
<input type="checkbox"/>	6	<a href="#">KLIN NEUROPHYSIOL</a>	1434-0275	25	0.167	0.143	0.000	25		0.00000
<input type="checkbox"/>	7	<a href="#">MINIM INVAS NEUROSUR</a>	0946-7211	761	0.709	1.000	0.125			
<input type="checkbox"/>	8	<a href="#">NEUROIMAG CLIN N AM</a>	1052-5149	808	1.532	2.037	0.049			
<input type="checkbox"/>	9	<a href="#">NEUROIMAGE</a>	1053-8119	32622	5.694	6.884	0.984	7		
<input type="checkbox"/>	10	<a href="#">NEURORADIOLOGY</a>	0028-3940	4227	2.029	1.933	0.504	1		
<input type="checkbox"/>	11	<a href="#">PSYCHIAT RES-NEUROIM</a>	0925-4927	2373	2.638	3.631	0.129			
<input type="checkbox"/>	12	<a href="#">STEREOT FUNCT NEUROS</a>	1011-6125	1097	1.849	1.932	0.231			

Page 1 of 1

MARK ALL UPDATE MARKED LIST

Done

Compare journals based on Impact Factor or other data elements

You may check here for journal name changes occurring within the past two years. This may affect a journal's Impact Factor.

# View Category Data in context

WELCOME HELP

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Subject Category Selection [Subject Category Scope Notes](#)

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

MINERALOGY  
MINING & MINERAL PROCESSING  
MULTIDISCIPLINARY SCIENCES  
MYCOLOGY  
NANOSCIENCE & NANOTECHNOLOGY  
NEUROIMAGING  
NEUROSCIENCES  
NUCLEAR SCIENCE & TECHNOLOGY  
NURSING

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

View Journal Data - sort by: Journal Title

View Category Data - sort by: Category Title

SUBMIT

Category Title  
Total Cites  
Median Impact Factor  
Aggregate Impact Factor  
Aggregate Immediacy Index  
Aggregate Cited Half-Life  
# Journals  
Total Articles

Use Control-click to select multiple categories

# Aggregate Data

WELCOME ? HELP

## Subject Category Summary List

Category data from: **subject categories NEUROIMAGING; NEUROSCIENCES; RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING**

VIEW JOURNAL SUMMARY LIST

Sorted by:  SORT AGAIN

Categories 1 - 3 (of 3) |<<< [ 1 ] >>> Page 1 of 1

*Ranking is based on your category and sort selections.*

Rank	Category <i>(linked to category information)</i>	Total Cites	Median Impact Factor	Aggregate Impact Factor	Aggregate Immediacy Index	Aggregate Cited Half-Life	# Journals	Articles
1	<a href="#">NEUROIMAGING</a>	56930	1.625	3.504	0.533	5.2	13	1713
2	<a href="#">NEUROSCIENCES</a>	1246683	2.402	3.734	0.660	6.8	211	28434
3	<a href="#">RADIOLOGY, NUCLEAR MEDICINE &amp; MEDICAL IMAGING</a>	363419	1.625	2.505	0.422	6.4	87	13002

Calculations are similar to those for journals, but are created from an entire category's citation data

## Category Level Data

---

- Median Impact Factor – the Impact Factor mid-point for journals in the category. 50% of journals rank above, 50% rank below.
- Aggregate Impact Factor
  - Citation rate of the “average” article in a subject category
  - Use as benchmarking tool to compare a journal to its overall subject category.



# Category Data

**Journal Citation Reports®** 2008 JCR Science Edition

WELCOME HELP RETURN TO LIST NEXT CATEGORY

**Category: NEUROIMAGING**

Total Cites	Median Impact Factor	Aggregate Impact Factor	Aggregate Immediacy Index	Aggregate Cited Half-life	Aggregate Citing Half-life	# Journal
56930	1.625	3.504	0.533	5.2	7.0	1

[Cited Category](#) [Citing Category](#) [Source Data](#) [Publication Frequency](#)

[CITED CATEGORY DATA](#) [CITING CATEGORY DATA](#) [RELATED JOURNALS](#) [SCOPE NOTE](#) [VIEW JOURNAL SUMMARY LIST](#)

---

**Aggregate Impact Factor** ⓘ

Cites in 2007 to articles published in any journal in the Category in: 2006 = 5006    Number of articles published in: 2006 = 1781  
 2005 = 7784    2005 = 1869  
 Sum: 12790    Sum: 3650

Calculation:  $\frac{\text{Cites to recent articles}}{\text{Number of recent articles}} = \frac{12790}{3650} = 3.504$

---

**Aggregate Immediacy Index** ⓘ

Cites in 2007 to articles published in 2007 = 913  
 Number of articles published in 2007 = 1713

Calculation:  $\frac{\text{Cites to current articles}}{\text{Number of current articles}} = \frac{913}{1713} = 0.533$

More category data

Calculations for Aggregate data



# Cited Category Table

**Journal Citation Reports®**

WELCOME ? HELP RETURN TO CATEGORY

**2008 JCR Science Edition**

**Cited Subject Category: NEUROIMAGING**

Number of times articles published in 2007 (in journals below) cited articles published in the journals in the subject category NEUROIMAGING (in years below). ([How to read this table](#))

Journals 1 - 20 (of 1222) [ 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 ] Page 1 of 62

Citing Journal	# Journals Cited	Cited Year											
		All Yrs	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	Rest
All Journals	13	56930	913	5006	7784	7092	6449	6197	5166	3564	3194	2133	9432
<a href="#">NEUROIMAGE</a>	12	5909	131	744	899	758	668	741	525	348	340	188	567
ALL OTHERS (2430)	13	2430	21	155	298	302	255	216	200	157	138	110	578
<a href="#">AM J NEURORADIOL</a>	10	1706	37							103	102	49	368
<a href="#">CEREB CORTEX</a>										87	99	50	149
<a href="#">HUM BRAIN MAPP</a>	8	1228	16							85	101	53	129
<a href="#">NEUROPSYCHOLOGIA</a>	7	1199	6							80	64	50	109
<a href="#">BRAIN RES</a>	9	1118	13							89	60	33	133
<a href="#">J NEUROSCI</a>	9	958	37							46	49	21	107
<a href="#">J COGNITIVE NEUROSCI</a>	6	902	5	59	150	129	120	115	86	53	60	31	94

A list of journals which cited titles within the Neuroimaging category

# Citing Category Table

**Journal Citation Reports®**

WELCOME ? HELP RETURN TO CATEGORY

**2008 JCR Science Edition**

**Citing Subject Category: NEUROIMAGING**

Number of times articles published in journals below (in years below) were cited in the subject category NEUROIMAGING in 2007. ([How to read this table](#))

Journals 1 - 20 (of 1838) Page 1 of 92

Cited Journal	# Citing Journals	Cited Year												
		All Yrs	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	Rest	
All Journals	13	71456	687	4504										
ALL OTHERS (6601)	12	6601	79	421										
<a href="#">NEUROIMAGE</a>	11	5832	127	728										
<a href="#">AM J NEURORADIOL</a>	11	2201												
<a href="#">BRAIN</a>	12	1503	7	75										
<a href="#">MAGN RESON MED</a>	10	1489	7	52	105	122	140	130	105	139	148	109	432	
<a href="#">J NEUROSCI</a>	11	1466	18	129	156	121	170	93	99	95	75	93	417	
<a href="#">NEUROLOGY</a>	12	1409	10	67	128	119	97	113	123	119	95	92	446	
<a href="#">HUM BRAIN MAPP</a>	9	1337	24	106	161	70	111	130	120	95	153	60	307	

A list of titles that received citations from journals in this subject category

# Related Journals – Subject Category

**Journal Citation Reports®**

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2008 JCR Science Edition

**Journals Related to Subject Category: NEUROIMAGING**

Relatedness is based on the strength of cited and citing relationships.  
The table below lists journals that likely cover topics related to those covered in the category NEUROIMAGING.  
[For more information about this calculation.](#)

Sorted by: R max SORT AGAIN

Journals 1 - 20 (of 954) Page 1 of 48

R <sub>max</sub>	Related journal (j)	Relatedness (R)	
		Subject Category to j	j to Subject Category
552.79	<a href="#">BEHAV BRAIN SCI</a>	552.79	2.75
154.63	<a href="#">HUM BRAIN MAPP</a>	154.63	104.56
130.32	<a href="#">J NEURORADIOLOGY</a>	30.50	130.32
120.56	<a href="#">NEUROIMAGE</a>	120.56	94.54
120.50	<a href="#">NEURORADIOLOGY</a>	77.32	120.50
114.16	<a href="#">INTERV NEURORADIOL</a>		114.16
113.23	<a href="#">ANNU REV NEUROSCI</a>		
102.40	<a href="#">AM J NEURORADIOL</a>		
78.48	<a href="#">BRAIN</a>		
77.52	<a href="#">TRENDS COGN SCI</a>		

These journals have a subject relationship to the Neuroimaging subject category by citations either given or received

# Marking Journals

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WELCOME HELP MARKED LIST

2008 JCR Science Edition [Journal Title Changes](#)

**Journal Summary List**

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

Sorted by:

Journals 1 - 12 (of 12) Page 1 of 1

*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 <sup>TM</sup> Metrics <sup>j</sup>	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor <sup>TM</sup> Score	Article Influence <sup>TM</sup> Score
<input checked="" type="checkbox"/>	1	<a href="#">AM J NEURORADIOL</a>	0195-6108	14467	1.429	0.904	0.103	39	7.2	0.00101	0.893
<input type="checkbox"/>	2	<a href="#">CLIN EEG NEUROSCI</a>	1550-0594	16	0.167	0.143	0.000	25		0.00009	0.406
<input checked="" type="checkbox"/>	3	<a href="#">HUM BRAIN MAPP</a>	1065-9471	660	1.532	2.037	0.049	41	5.7	0.00329	2.387
<input type="checkbox"/>	4	<a href="#">J NEUROIMAGING</a>								0.00419	0.604
<input checked="" type="checkbox"/>	5	<a href="#">J NEURORADIOLOGY</a>	0150-9861	483	1.429	0.904	0.103	39	7.2	0.00101	0.199
<input checked="" type="checkbox"/>	6	<a href="#">KLIN NEUROPHYSIOL</a>	1434-0275	25	0.167	0.143	0.000	25		0.00009	0.033
<input type="checkbox"/>	7	<a href="#">MINIM INVAS NEUROSUR</a>	0946-7211	761	0.709	1.000	0.125	80	5.9	0.00227	0.267
<input checked="" type="checkbox"/>	8	<a href="#">NEUROIMAG CLIN N AM</a>	1052-5149	808	1.532	2.037	0.049	41	5.7	0.00329	0.685
<input type="checkbox"/>	9	<a href="#">NEUROIMAGE</a>	1053-8119	32622	5.694	6.884	0.984	743	4.6	0.15558	2.317
<input type="checkbox"/>	10	<a href="#">NEURORADIOLOGY</a>	0028-3940	4227	2.029	1.933	0.504	117	8.6	0.00936	0.606
<input type="checkbox"/>	11	<a href="#">PSYCHIAT RES-NEUROIM</a>	0925-4927	2373	2.638	3.631	0.129	85	5.4	0.00992	1.223
<input type="checkbox"/>	12	<a href="#">STEREOT FUNCT NEUROS</a>	1011-6125	1097	1.849	1.932	0.231	52	7.8	0.00243	0.572

Click the Marked List button to access output options.

Mark individual journals or all in the list for later output.

# Output from Marked List

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Journal Citation Reports<sup>®</sup>

WELCOME ? HELP RETURN TO LIST

2008 JCR Science Edition

**Marked Journal List**

Sorted by: Journal Title SORT AGAIN JOURNAL TITLE CHANGES

Journals 1 - 5 (of 5) Page 1 of 1

CLEAR MARKED LIST UPDATE MARKED LIST SAVE TO FILE **FORMAT FOR PRINT**

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 <sup>TM</sup> Metrics <sup>i</sup>	
				2008 Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	2008 Items	Cited Half-life	Eigenfactor <sup>TM</sup> Score	Article Influence <sup>TM</sup> Score
<input checked="" type="checkbox"/>	1	<a href="#">AM J NEURORADIOL</a>	0195-6108	14463	2.745	3.010	0.528	371	7.1	0.03840	0.893
<input checked="" type="checkbox"/>	2	<a href="#">HUM BRAIN MAPP</a>	1065-9471	6602	5.395	6.022	1.205	117	6.7	0.02387	2.387
<input checked="" type="checkbox"/>	3	<a href="#">J NEURORADIOLOGY</a>	0150-9861	483	1.429	0.904	0.103	39	7.2	0.00101	0.199
<input checked="" type="checkbox"/>	4	<a href="#">KLIN NEUROPHYSIOL</a>	1434-0275	25	0.167	0.143	0.000	25		0.00009	0.033
<input checked="" type="checkbox"/>	5	<a href="#">NEUROIMAG CLIN N AM</a>	1052-5149	808	1.532	2.037	0.049	41	5.7	0.00329	0.685

CLEAR MARKED LIST UPDATE MARKED LIST SAVE TO FILE **FORMAT FOR PRINT**

Ranking is based on your journal and sort selections.

Journals 1 - 5 (of 5) Page 1 of 1

Format the list for printing, or save the list as a text file.

# Output Options

Journal Citation Reports®

RETURN TO MARKED LIST

MARKED JOURNAL LIST

Sorted by: Journal Title

	2007	Impact	Immediacy	2007	Cited			
1	A	B	C	D	E	F	G	H
1	JCR Year and Edition: 2007 Science							
2								
3	Abbreviated Journal Title	ISSN	2007 Total Cites	Impact Factor	Immediacy Index	2007 Articles	Cited Half-Life	
4	AM J NEURORADIOL	0195-6108	11928	2.338	0.3	390	6.8	
5	COGNITIVE BRAIN RES	0926-6410	3832	3.769		0	4.9	
6	HUM BRAIN MAPP	1065-9471	5685	6.151	0.868	121	6.5	
7	J NEUROIMAGING	1051-2284	891	1.625	0.342	73	4.8	
8	NEUROIMAGE	1053-8119	26201	5.457	0.9	677	4.3	
9								
10								
11								

Print your list  
(using your browser's  
Print function)

Or save as a text  
file which can be  
imported into a  
spreadsheet

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