

Instructions to find impact factor of a journal, normalized impact factor of a journal, and quartile within category of journals

Steps 1-6 detail the procedure from finding specific publication in WoK, steps 7-9+4-6 searching directly by journal title.

1) After opening the publication record in WoK www.webofknowledge.com (found e.g. by author or article title), the quartile displays after clicking on “View Journal Information”.

To meet the criterion to belong to the best Q1 quartile, it is sufficient to meet it in at least one category.

The screenshot displays the Web of Science interface for a specific journal record. The article title is "Dielectric Properties of Water at Rutile and Graphite Surfaces: Effect of Molecular Structure". The authors listed are S. Parez, M. Predota, and M. Machesky. The journal is identified as "JOURNAL OF PHYSICAL CHEMISTRY C".

The "View Journal Information" link is circled in red. A pop-up window titled "JOURNAL OF PHYSICAL CHEMISTRY C" provides the following data:

| JCR® Category | Quartile in Category |
|--------------------------------------|----------------------|
| CHEMISTRY, PHYSICAL | Q1 |
| MATERIALS SCIENCE, MULTIDISCIPLINARY | Q1 |
| NANOSCIENCE & NANOTECHNOLOGY | Q2 |

The quartile values (Q1, Q1, Q2) are also circled in red. Below the table, the publisher is listed as AMER CHEMICAL SOC, and the ISSN is 1932-7447. The research domain includes Chemistry, Science & Technology - Other Topics, and Materials Science.

On the right side of the interface, the "Citation Network" section shows 1 Times Cited and 67 Cited References. The "All Times Cited Counts" section lists 1 in All Databases, 1 in Web of Science Core Collection, 1 in BIOSIS Citation Index, 0 in Chinese Science Citation Database, 0 in Data Citation Index, and 0 in SciELO Citation Index. The "Most Recent Citation" is by Stack, Andrew G. (2015) in ENVIRONMENTAL CHEMISTRY.

2) To find the IF and normalized IF, click on “Journal Citation Reports” at the end of the previous web page.

Publisher
AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA

Categories / Classification
Research Areas: Chemistry; Science & Technology - Other Topics; Materials Science
Web of Science Categories: Chemistry, Physical; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary

Document Information
Document Type: Article
Language: English
Accession Number: WOS:000332756000028
ISSN: 1932-7447

Journal Information
Impact Factor: [Journal Citation Reports®](#)

Other Information
IDS Number: AC8AS
Cited References in Web of Science Core Collection: 67
Times Cited in Web of Science Core Collection: 1

3) New window shows the evolution of IF of the journal in last 5 years including current IF, here 4.835. To find the median of category, click on icon "RETURN TO JOURNAL".

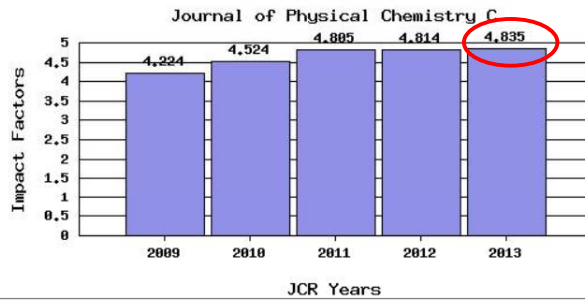
ISI Web of KnowledgeSM

Journal Citation Reports[®]

WELCOME HELP RETURN TO JOURNAL

2013 JCR Science Edition

Impact Factor Trend Graph: Journal of Physical Chemistry C
 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.

2013 Impact Factor

Cites in 2013 to articles published in: 2012 = 13338 Number of articles published in: 2012 = 3283
 2011 = 17846 2011 = 3166
 Sum: 31184 Sum: 6449

Calculation: $\frac{\text{Cites to recent articles } 31184}{\text{Number of recent articles } 6449} = 4.835$

4) At the window with data about the journal, the current IF is displayed again in column “Impact Factor”. To find the median of a category of journals, click on icon “VIEW CATEGORY DATA”.

ISI Web of KnowledgeSM

Journal Citation Reports[®]

WELCOME HELP RETURN TO LIST 2013 JCR Science Edition

Journal: Journal of Physical Chemistry C

| 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"/> | J.PHYS.CHEM.C | 1932-7447 | 96606 | 4.835 | 5.241 | 0.754 | 3113 | 3.9 | 6.9 |

[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: Journal of Physical Chemistry C
ISO Abbrev. Title: J. Phys. Chem. C
JCR Abbrev. Title: J PHYS CHEM C
ISSN: 1932-7447
Issues/Year: 52
Language: ENGLISH
Journal Country/Territory: UNITED STATES
Publisher: AMER CHEMICAL SOC
Publisher Address: 1155 16TH ST, NW, WASHINGTON, DC 20036
Subject Categories: CHEMISTRY, PHYSICAL

Eigenfactor[®] Metrics
Eigenfactor[®] Score
0.32109
Article Influence[®] Score
1.247

Additional Links
[GO TO ULRICH'S](#)

[VIEW CATEGORY DATA](#) [SCOPE NOTE](#) [VIEW JOURNAL SUMMARY LIST](#)

NANOSCIENCE & NANOTECHNOLOGY [SCOPE NOTE](#) [VIEW JOURNAL SUMMARY LIST](#)

[VIEW CATEGORY DATA](#) [SCOPE NOTE](#) [VIEW JOURNAL SUMMARY LIST](#)

MATERIALS SCIENCE, MULTIDISCIPLINARY [SCOPE NOTE](#) [VIEW JOURNAL SUMMARY LIST](#)

[VIEW CATEGORY DATA](#)

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

5) The “Median Impact Factor” is displayed - here 2.174.

The Normalized IF of a journal is given by the fraction of IF and the median, i.e. $4.835/2.174 = 2.224$ in this case.

If the journal belongs to more categories (here according to step 4 to three), one can use for the determination of the highest normalized IF use the category with lowest median.

ISI Web of KnowledgeSM

Journal Citation Reports®

WELCOME HELP 2013 JCR Science Edition

Category: CHEMISTRY, PHYSICAL

| Total Cites | Median Impact Factor | Aggregate Impact Factor | Aggregate Immediacy Index | Aggregate Cited Half-life | Aggregate Citing Half-life | # Journals | Articles |
|-------------|----------------------|-------------------------|---------------------------|---------------------------|----------------------------|------------|----------|
| 1925703 | 2.174 | 4.301 | 0.848 | 5.7 | 7.4 | 136 | 50780 |

Cited Category Citing Category Source Data Publication Frequency Impact Factor Box Plot

CITED CATEGORY DATA CITING CATEGORY DATA RELATED JOURNALS SCOPE NOTE VIEW JOURNAL SUMMARY LIST

6) Clicking on graphical button “JOURNAL RANKING” displayed at the end of step 4), you show the ranking to quartiles identical to that shown in step 1).

ISI Web of KnowledgeSM

Journal Citation Reports®

WELCOME HELP RETURN TO JOURNAL 2013 JCR Science Edition

Rank in Category: Journal of Physical Chemistry C

Journal Ranking ⓘ

For 2013, the journal **Journal of Physical Chemistry C** has an Impact Factor of **4.835**.

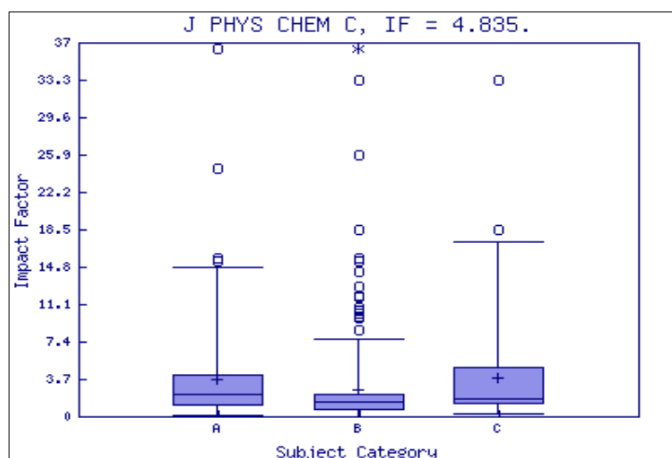
This table shows the ranking of this journal in its subject categories based on Impact Factor.

| Category Name | Total Journals in Category | Journal Rank in Category | Quartile in Category |
|--------------------------------------|----------------------------|--------------------------|----------------------|
| CHEMISTRY, PHYSICAL | 136 | 29 | Q1 |
| MATERIALS SCIENCE, MULTIDISCIPLINARY | 251 | 29 | Q1 |
| NANOSCIENCE & NANOTECHNOLOGY | 73 | 19 | Q2 |

Category Box Plot ⓘ

For 2013, the journal **Journal of Physical Chemistry C** has an Impact Factor of **4.835**.

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 - CHEMISTRY, PHYSICAL
 B - MATERIALS SCIENCE, MULTIDISCIPLINARY
 C - NANOSCIENCE & NANOTECHNOLOGY

7) Alternatively, it is possible to open WoK without looking up specific article, and select the journal by clicking on “Journal Citation Reports”

The screenshot shows the ISI Web of Knowledge homepage. The top navigation bar includes links for Web of Science™, InCites™, Journal Citation Reports® (circled in red), Essential Science Indicators™, and EndNote™. Below the navigation bar is the 'WEB OF SCIENCE™' logo and the Thomson Reuters logo. A search bar is present with the text 'Example: oil spill* mediterranean'. The 'Search' button is highlighted in blue. The page also features a 'Basic Search' dropdown menu and a 'Welcome to the new Web of Science! View a brief tutorial.' message.

and input journal title.

The screenshot shows the ISI Web of Knowledge 'Journal Citation Reports' page. The page header includes the ISI Web of Knowledge logo and the text 'Journal Citation Reports®'. A link for 'Information for New Users' is visible. The main content area contains a form with two columns: 'Select a JCR edition and year:' and 'Select an option:'. The 'Select a JCR edition and year:' column has two radio buttons: 'JCR Science Edition' (selected) and 'JCR Social Sciences Edition'. The 'Select an option:' column has three radio buttons: 'View a group of journals by Subject Category', 'Search for a specific journal' (circled in red), and 'View all journals'. A 'SUBMIT' button is located below the form. The page also includes a 'NOTICES' button and a footer with the Thomson Reuters logo and copyright information.

| | |
|--------------------|--|
| 1) Search by: | 2) Type search term: |
| Full Journal Title | <input type="text" value="Journal of Physical Chemistry C"/> |
| | SEARCH |

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](#))

8) This opens a window with journal data including current IF in column “Impact Factor”, here 4.835.

Journals from: search Full Journal Title for 'JOURNAL OF PHYSICAL CHEMISTRY C'

Sorted by: Journal Title SORT AGAIN

Journals 1 - 1 (of 1)

Navigation icons

Page 1 of 1

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 | J.PHYS.CHEM.C | 1932-7447 | 96606 | 4.835 | 5.241 | 0.754 | 3113 | 3.9 | 0.32109 | 1.247 |

9) To find the median of category and quartile of journal, click on the blue link with journal title, which will bring you to step 4) and follow with this step..