

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

Points 1-2: Finding IF of a journal using a link from a list of records (articles)

Point 3: Finding IF of a journal directly using journal's name

Point 4: Finding the current percentile (Q1, D1) of a journal in categories directly using the journal name

### Finding IF of a journal using a link from a list of records (articles)

1) In the list records in Web of Science [www.webofknowledge.com](http://www.webofknowledge.com) (found e.g. by author or article title), the **current** IF and quartile are displayed after clicking on journal's name. To meet the criterion to belong to the best Q1 quartile, it is sufficient to meet it in at least one category.

If you want to find if the journal belongs to the **first decile (D1)**, divide the journal's rank by the number of journals in the category.

For example:  $4/37 = 0.108 \Rightarrow$  not in D1 (not  $\leq 0.1$ ), but in Q1 (is  $\leq 0.25$ ).

The screenshot shows the Web of Science search results page. The search results are sorted by Date (1 of 24). The first result is "Mixed quantum-classical treatment of electron transfer at electrocatalytic interfaces: Theoretical framework and conceptual analysis" by Huang, Jun, published in JOURNAL OF CHEMICAL PHYSICS. The second result is "Electronic continuum correction without scaled charges" by Predota, Milan; Biriukov, Denys, published in JOURNAL OF MOLECULAR LIQUIDS. This journal name is circled in red. A pop-up window for the Journal of Molecular Liquids is displayed, showing the Impact Factor (5.065) and Quartile (Q1) highlighted in green. The pop-up also shows a table of JCR categories and their ranks/quartiles.

JCR @ Category	Rank in Category	Quartile in Category
CHEMISTRY, PHYSICAL	45 of 159	Q2
PHYSICS, ATOMIC, MOLECULAR & CHEMICAL	4 of 37	Q1

Data from the 2019 edition of Journal Citation Reports

Publisher: ELSEVIER, RADARWEG 29, 1043 NX AMSTERDAM, NETHERLANDS  
ISSN: 0167-7322  
eISSN: 1873-3166

Research Domain: Chemistry, Physics

1a) Alternatively, from the page with detailed information of the record, current IF of the journal is displayed by clicking on "View Journal Impact".

## Web of Science



Search Search Results Tools Searches and alerts Search History Marked List

Look Up Full Text Full Text from Publisher Find PDF Export... Add to Marked List

1 of 1

### Electronic continuum correction without scaled charges

By: Predota, M (Predota, Milan)<sup>[1]</sup>; Biriukov, D (Biriukov, Denys)<sup>[1]</sup>  
[View Web of Science ResearcherID and ORCID](#)

JOURNAL OF MOLECULAR LIQUIDS  
Volume: 314  
Article Number: 113571  
DOI: 10.1016/j.molliq.2020.113571  
Published: SEP 15 2020  
Document Type: Article  
[View Journal Impact](#)

#### Abstract

In recent years the "Pandora's box" of charges used in classical simulations of nonpolarizable molecular models, especially for aqueous solutions and ionic liquids, has been opened. Particularly we refer to the Electronic continuum correction (ECC) model that suggests applying scaled down charges of ions and tearing down the 'dogma' of identical charges used to describe the potential energy surfaces (PES) and dipole moment surface (DMS). We elaborate on both ideas and integrate them into a consistent description of 'real' atomic charges of water and ions, which does not necessarily need to violate the 'dogma'. We promote ECC epsilon approach directly incorporating the electronic polarizability into screening of electrostatic interactions, avoiding the use of scaled charges, which perplex the comparison with experiment, ab initio or polarizable models and are cumbersome for interactions with external electric or magnetic fields. We conclude that none of the existing nonpolarizable water models is fully consistent with the continuum electronic polarizability and stimulate a quest for a better model implementing ECC epsilon ideas. (C) 2020 Elsevier B.V. All rights reserved.

#### Keywords

**Author Keywords:** Molecular dynamics in electronic continuum; Scaled charges; External field; Water model; Permittivity; Simulation  
**KeyWords Plus:** SOLVATION FREE-ENERGIES; DIELECTRIC-CONSTANT; MOLECULAR-DYNAMICS; DIPOLE-MOMENT; FORCE-FIELD; EFFECTIVE INCLUSION; LIQUID WATER; SIMULATIONS; BINDING; CALCIUM

#### Author Information

**Reprint Address:**  
University of South Bohemia Ceske Budejovice Univ South Bohemia, Fac Sci, Inst Phys, Branisovska 1760, Ceske Budejovice 37005, Czech Republic.  
**Corresponding Address:** Predota, M (corresponding author)  
+ Univ South Bohemia, Fac Sci, Inst Phys, Branisovska 1760, Ceske Budejovice 37005, Czech Republic.  
**Addresses:**  
+ [1] Univ South Bohemia, Fac Sci, Inst Phys, Branisovska 1760, Ceske Budejovice 37005, Czech Republic  
**E-mail Addresses:** predota@prf.jcu.cz

#### Funding

Funding Agency	Show details	Grant Number
Grant Agency of the Czech Republic		17-107345
CESNET under the program "Projects of Large Research, Development, and Innovations Infrastructures"		LM2015042
CERIT Scientific Cloud under the program "Projects of Large Research, Development, and Innovations Infrastructures"		LM2015085

[View funding text](#)

#### Publisher

ELSEVIER, RADARWEG 29, 1043 NX AMSTERDAM, NETHERLANDS

#### Journal Information

**Impact Factor:** Journal Citation Reports

#### Categories / Classification

**Research Areas:** Chemistry; Physics  
**Web of Science Categories:** Chemistry, Physical; Physics, Atomic, Molecular & Chemical

#### Citation Network

In Web of Science Core Collection

**1**  
Times Cited  
[Create Citation Alert](#)

#### All Times Cited Counts

1 in All Databases  
[See more counts](#)

**72**  
Cited References  
[View Related Records](#)

#### Most recently cited by:

Duboue-Dijon, E.; Javanainen, M.; Delcroix, P.; et al.  
A practical guide to biologically relevant molecular simulations with charge scaling for electronic polarization.  
JOURNAL OF CHEMICAL PHYSICS (2020)  
[View All](#)

#### Use in Web of Science

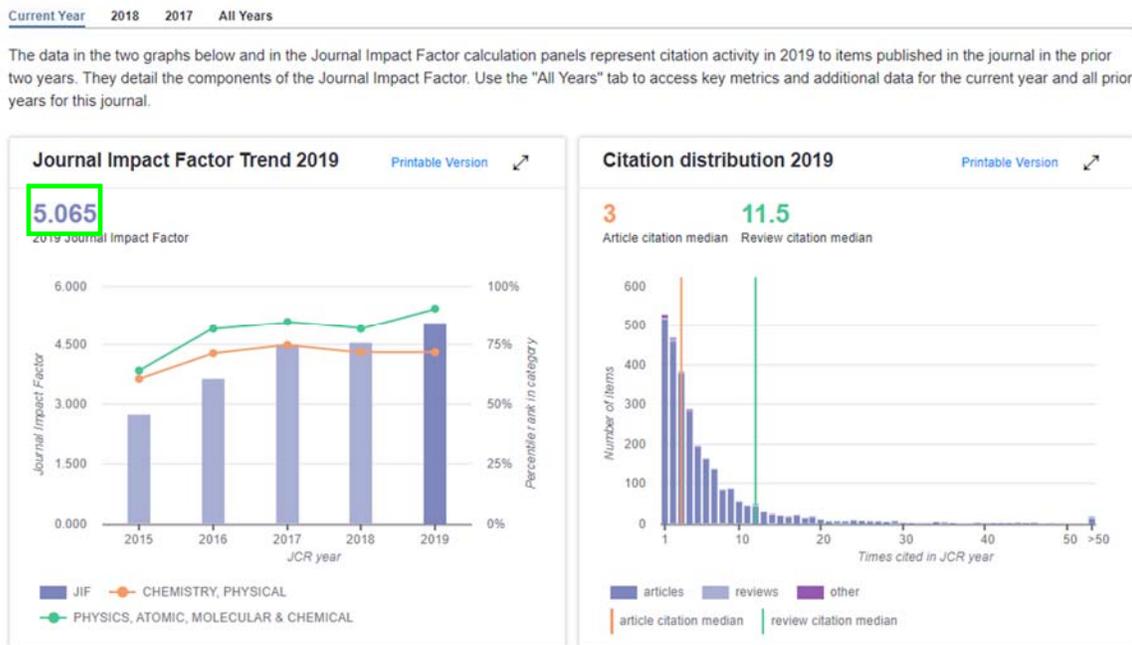
**Web of Science Usage Count**

**5** **5**  
Last 180 Days Since 2013  
[Learn more](#)

**This record is from:**  
Web of Science Core Collection  
- Science Citation Index Expanded

**Suggest a correction**  
*If you would like to improve the quality of the data in this record, please suggest a correction.*

2) If journal IF in the year of publication of the article is of interest, you must click on "Journal Citation Reports" (see orange ovals above), which shows detail information with history. Values from last years can be read directly from the graph by moving the mouse,



values from previous years by clicking "All Years".

Current Year 2018 2017 **All Years**

### Key Indicators - All Years

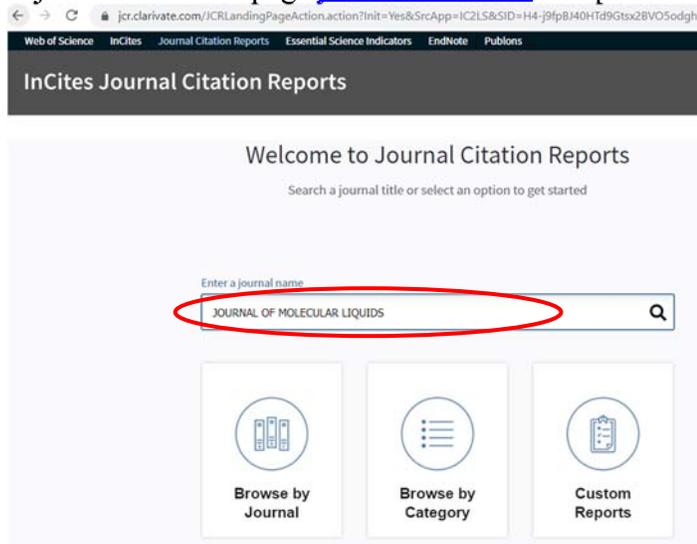
Export

Customize columns

Year	Total Cites	Journal Impact Factor	Impact Factor without Journal Self Cites	5 Year Impact Factor	Immediacy Index	Citable Items	% Articles in Citable Items	Average JIF Percentile
	Trend	Trend	Trend	Trend	Trend	Trend	Trend	Trend
✓2019	33,560	<b>5.065</b>	4.171	4.766	1.426	1,959	97.09	81.277
2018	23,403	4.561	3.743	4.136	1.369	1,633	97.61	76.952
2017	16,597	4.513	3.540	3.929	1.368	1,589	97.86	80.153
2016	10,049	3.648	2.612	3.187	1.171	1,281	97.58	76.760
2015	5,876	2.740	2.156	2.439	0.623	658	98.18	62.525
2014	4,563	2.515	2.038	2.154	0.800	545	98.72	64.955
2013	3,594	2.083	1.710	1.902	0.496	345	99.71	50.641
2012	2,774	1.684	1.426	1.599	0.390	241	99.59	42.239
2011	2,682	1.580	1.314	1.497	0.304	217	98.16	37.410
2010	2,454	1.649	1.447	1.439	0.319	166	97.59	42.973

### 3) Finding IF of a journal directly using journal's name

Enter the journal name on page [jcr.clarivate.com](http://jcr.clarivate.com) and press enter.

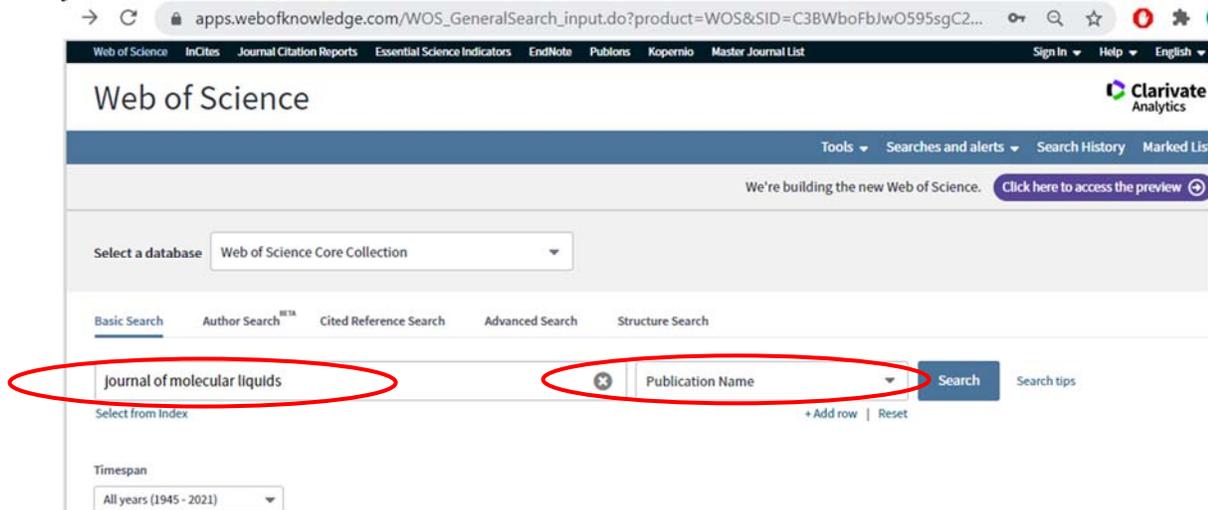


which will bring you to the page with information as in step 2).

#

### 4) Finding the current percentile (Q1, D1) of a journal in categories directly using the journal name

4a) The simplest method is using Web of Science [www.webofknowledge.com](http://www.webofknowledge.com), enter journal name in „Basic Search“ and select „Publication Name“.



It results in a page with many articles from the chosen journal and you proceed as in step 1).

## Web of Science

Search Results: 14,077 (from Web of Science Core Collection)

You searched for: PUBLICATION NAME: (journal of molecular liquids) ...More

Sort by: Date | Times Cited | Usage Count | Relevance | More

1. [Corrosion inhibition and adsorption features of novel bioactive cationic surfactants bearing benzenesulphonamide on C1018-steel under sweet conditions: Combined modeling and experimental approaches](#)  
By: Abd El-Lateef, Hany M.; Shalabi, K.; Tantawy, Ahmed H.  
**JOURNAL OF MOLECULAR LIQUIDS** Volume: 320 Article Number: 114564 Part: A Published: DEC 15 2020

2. [Comments regarding "Acoustical and physico-chemical study of binary azeotropes \(aniline\)"](#)  
By: Acree, William E., Jr.  
**JOURNAL OF MOLECULAR LIQUIDS** Volume: 320 Article Number: 114428 Part: A Published: DEC 15 2020

4b) For completeness I describe rather uncomfortable method using JCR. On the resulting page from step 3) (the same as from step 2)) click on the selected category,

Web of Science | InCites | Journal Citation Reports | Essential Science Indicators | EndNote | Publons | Help | English

### InCites Journal Citation Reports

Home > Journal Profile

#### JOURNAL OF MOLECULAR LIQUIDS

ISSN: 0167-7322  
eISSN: 1873-3166  
ELSEVIER  
RADARWEG 29, 1043 NX AMSTERDAM, NETHERLANDS  
NETHERLANDS

Go to Journal Table of Contents | Go to Ulrich's | Printable Version

TITLES  
ISO: J. Mol. Liq.  
JCR Abbrev: J MOL LIQ

LANGUAGES  
Multi-Language

CATEGORIES  
CHEMISTRY, PHYSICAL - SCIE  
**PHYSICS, ATOMIC, MOLECULAR & CHEMICAL - SCIE**

PUBLICATION FREQUENCY  
12 issues/year

Current Year | 2018 | 2017 | All Years

The data in the two graphs below and in the Journal Impact Factor calculation panels represent citation activity in 2019 to items published in the journal in the prior two years. They detail the components of the Journal Impact Factor. Use the "All Years" tab to access key metrics and additional data for the current year and all prior years for this journal.

#### Journal Impact Factor Trend 2019

2019 Journal Impact Factor: 5.065

JCR year	JIF	CHEMISTRY, PHYSICAL	PHYSICS, ATOMIC, MOLECULAR & CHEMICAL
2015	~2.5	~50%	~50%
2016	~3.5	~60%	~60%
2017	~4.5	~70%	~70%
2018	~4.5	~70%	~70%
2019	5.065	~70%	~70%

#### Citation distribution 2019

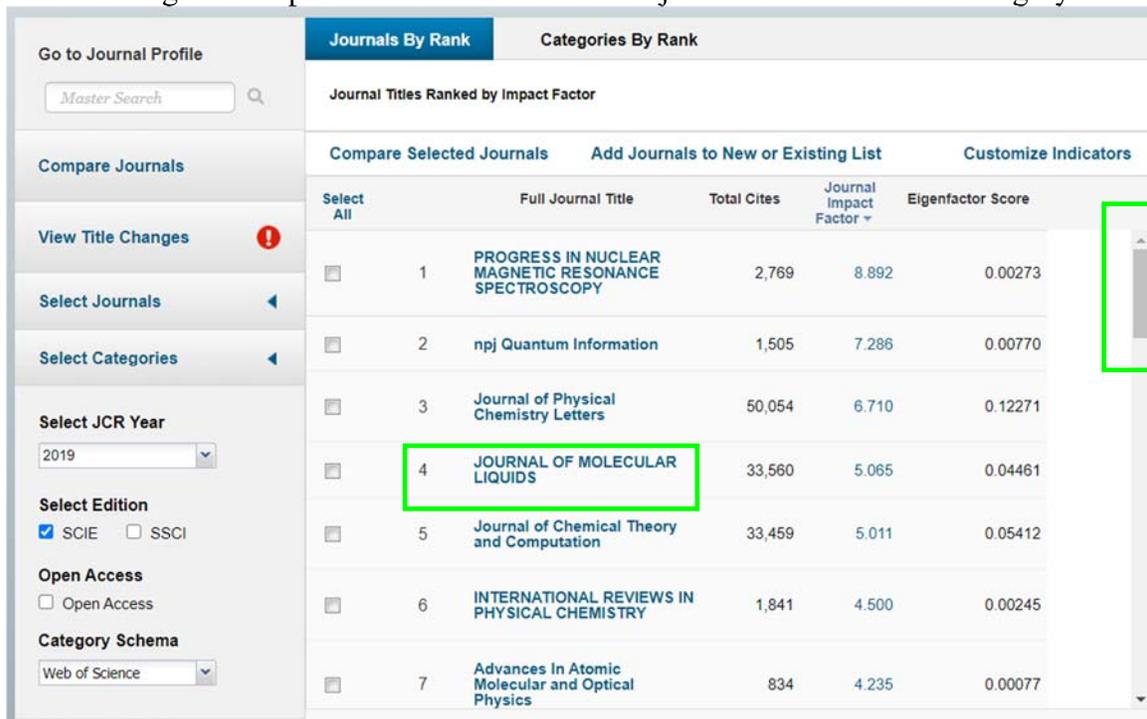
Article citation median: 3 | Review citation median: 11.5

Times cited in JCR year	Number of items
1	~500
2	~400
3	~300
4	~200
5	~150
10	~50
20	~20
30	~10
40	~5
50	~2
>50	~1

and in the list of all journals in this category (it is not visible on this page that the category is „Physics, Atomic, Molecular & Chemical”), find (default sorting by descending IF – useful to remember the IF from the previous step) your journal. In this

way you will find its rank (here 4) and, scrolling to the last record, number of journals in the category (here 37), see result and further steps in 1a). If the journal is listed in more categories, you need to repeat step 4b).

The advantage of this procedure is the overview of journals in the selected category.



Journals By Rank		Categories By Rank			
Journal Titles Ranked by Impact Factor					
Compare Selected Journals		Add Journals to New or Existing List		Customize Indicators	
Select All		Full Journal Title	Total Cites	Journal Impact Factor	Eigenfactor Score
<input type="checkbox"/>	1	PROGRESS IN NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY	2,769	8.892	0.00273
<input type="checkbox"/>	2	npj Quantum Information	1,505	7.286	0.00770
<input type="checkbox"/>	3	Journal of Physical Chemistry Letters	50,054	6.710	0.12271
<input type="checkbox"/>	4	JOURNAL OF MOLECULAR LIQUIDS	33,560	5.065	0.04461
<input type="checkbox"/>	5	Journal of Chemical Theory and Computation	33,459	5.011	0.05412
<input type="checkbox"/>	6	INTERNATIONAL REVIEWS IN PHYSICAL CHEMISTRY	1,841	4.500	0.00245
<input type="checkbox"/>	7	Advances In Atomic Molecular and Optical Physics	834	4.235	0.00077

M. Předota

19. 1. 2021