

# OBTAINING QUARTILE RANKING INFORMATION FROM THOMSON REUTERS WEB OF SCIENCE™

## Condition #1: Article is already indexed in Web of Science™

### 1. Log-on to Thomson Reuters™ Web of Science™ website at <http://apps.webofknowledge.com>

The screenshot shows the Thomson Reuters Web of Science website interface. At the top, there is a navigation bar with links for Web of Science™, InCites®, Journal Citation Reports®, Essential Science Indicators™, and EndNote®, along with Sign In, Help, and English options. Below this is the main header with the Web of Science™ logo and the Thomson Reuters logo. A search bar is prominently displayed with the text "Example: oil spill\* mediterranean" and a "Search" button. To the right of the search bar, there are links for "My Tools", "Search History", and "Marked List". Below the search bar, there is a "Basic Search" section with a dropdown menu. Underneath, there is a "TIMESPAN" section with radio buttons for "All years" and "From 1990 to 2014". At the bottom, there are four links: "Customer Feedback & Support", "Additional Resources", "What's New in Web of Science?", and "Customize your Experience".

2. Type-in full title of the article, select “Title” from the box and then click “Search”.

The screenshot displays the Web of Science search interface. At the top, there are navigation links for 'Web of Science™', 'InCites™', 'Journal Citation Reports™', 'Essential Science Indicators™', and 'EndNote™'. On the right, there are links for 'Sign In', 'Help', and 'English'. The main header features the 'WEB OF SCIENCE™' logo and the 'THOMSON REUTERS™' logo. Below the header, there is a search bar with the text 'Search' and a dropdown menu for 'Web of Science™ Core Collection'. To the right of the search bar are links for 'My Tools', 'Search History', and 'Marked List'. A welcome message reads: 'Welcome to the new Web of Science! View a brief tutorial.' The search area contains a text input field with the query 'ZING MACHINING PARAMETERS: REVIEW AND RECENT APPLICATION', a dropdown menu set to 'Title', and a 'Search' button. A link for '+ Add Another Field' is located below the input field. To the right of the search area, there is a link: 'Click here for tips to improve your search.' Below the search area, there is a 'TIMESPAN' section with radio buttons for 'All years' (selected) and 'From 1980 to 2014'. A 'MORE SETTINGS' link is also present. At the bottom, there are four links: 'Customer Feedback & Support', 'Additional Resources', 'What's New in Web of Science?', and 'Customize your Experience'.

3. From the search result, click the the article title link to proceed to the publication profile page.

The screenshot shows the Web of Science search results interface. At the top, there are navigation links for 'Web of Science™', 'InCites®', 'Journal Citation Reports®', 'Essential Science Indicators™', and 'EndNote®'. On the right, there are links for 'Sign In', 'Help', and 'English'. The main header features the 'WEB OF SCIENCE™' logo and the 'THOMSON REUTERS™' logo. Below the header, there is a navigation bar with 'Back to Search', 'My Tools', 'Search History', and 'Marked List'. The search results are displayed in a list format. The first result is highlighted in yellow and is titled 'Evolutionary techniques in optimizing machining parameters: Review and recent applications (2007-2011)'. The author information is 'By: Yusup, Norfadzlan; Zain, Azlan Mohd; Hashim, Siti Zaiton Mohd'. The journal information is 'EXPERT SYSTEMS WITH APPLICATIONS Volume: 39 Issue: 10 Pages: 9909-9927 Published: AUG 2012'. There are buttons for 'Full Text from Publisher' and 'View Abstract'. On the right side of the result, there are buttons for 'Analyze Results' and 'Create Citation Report', and the text 'Times Cited: 8 (from Web of Science Core Collection)'. The left sidebar contains 'Results: 1 (from Web of Science Core Collection)', 'You searched for: TITLE: (EVOLUTIONARY TECHNIQUES IN OPTIMIZING MACHINING PARAM...More', and 'Create Alert'. Below that is 'Refine Results' with a search box 'Search within results for...'. At the bottom of the sidebar is 'Web of Science Categories' with a dropdown arrow and three categories: 'COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE (1)', 'ENGINEERING ELECTRICAL ELECTRONIC (1)', and 'OPERATIONS RESEARCH'. The main content area has a 'Sort by: Publication Date -- newest to oldest' dropdown and a 'Page 1 of 1' indicator. At the bottom, it says '1 records matched your query of the 34,698,875 in the data limits you selected.'

4. To check the Impact Factor and the Quartile Ranking, click “View Journal Information” link below the publication details.

The screenshot displays the Web of Science interface for a specific publication. The title is "Evolutionary techniques in optimizing machining parameters: Review and recent applications (2007-2011)". The authors listed are Yusup, N (Yusup, Norfadzlan)<sup>[1,2]</sup>; Zain, AM (Zain, Azlan Mohd)<sup>[1]</sup>; and Hashim, SZM (Hashim, Siti Zaiton Mohd)<sup>[1]</sup>. The journal is "EXPERT SYSTEMS WITH APPLICATIONS", Volume 39, Issue 10, Pages 9909-9927, published in August 2012. The DOI is 10.1016/j.eswa.2012.02.109. On the right side, the "Citation Network" section shows 8 times cited, 104 cited references, and options to view related records, a citation map, and create a citation alert. Below that, the "All Times Cited Counts" section shows 8 citations in all databases, 8 in the Web of Science Core Collection, and 0 in other databases like BIOSIS, Chinese Science Citation Database, and Data Citation Index. A black arrow points to the "View Journal Information" link, with the text "CLICK THIS LINK" next to it.

**Evolutionary techniques in optimizing machining parameters: Review and recent applications (2007-2011)**

By: Yusup, N (Yusup, Norfadzlan)<sup>[1,2]</sup>; Zain, AM (Zain, Azlan Mohd)<sup>[1]</sup>; Hashim, SZM (Hashim, Siti Zaiton Mohd)<sup>[1]</sup>

EXPERT SYSTEMS WITH APPLICATIONS  
**Volume:** 39 **Issue:** 10 **Pages:** 9909-9927  
**DOI:** 10.1016/j.eswa.2012.02.109  
**Published:** AUG 2012

[View Journal Information](#) ← **CLICK THIS LINK**

**Abstract**

In highly competitive manufacturing industries nowadays, the manufactures ultimate goals are to produce high quality product with less cost and time constraints. To achieve these goals, one of the considerations is by optimizing the machining process parameters such as the cutting speed, depth of cut, radial rake angle. Recently, alternative to conventional techniques, evolutionary optimization techniques are the new trend for optimization of the machining process parameters. This paper gives an overview and the comparison of the latest five year researches from 2007 to 2011 that used evolutionary optimization techniques to optimize machining process parameter of both traditional and modern machining. Five techniques are considered, namely genetic algorithm (GA), simulated annealing (SA), particle swarm optimization (PSO), ant colony optimization (ACO) and artificial bee colony (ABC) algorithm. Literature found that

**Citation Network**

- 8 Times Cited
- 104 Cited References
- View Related Records
- View Citation Map
- Create Citation Alert

*(data from Web of Science™ Core Collection)*

**All Times Cited Counts**

- 8 in All Databases
- 8 in Web of Science Core Collection
- 0 in BIOSIS Citation Index
- 0 in Chinese Science Citation Database
- 0 in Data Citation Index

5. When the link is clicked, a box will display the journal information regarding Impact Factor, Quartile Ranking and Publisher Details for the journal. If more than one quartile category exists for the journal, choose the HIGHEST quartile ranking available.

The screenshot shows a Thomson Reuters interface with a pop-up window titled "EXPERT SYSTEMS WITH APPLICATIONS". The window displays the journal's Impact Factor (1.854 in 2012, 2.339 over a 5-year period) and a table of JCR categories. The publisher is Pergamon-Elsevier Science Ltd. The research domain includes Computer Science, Engineering, and Operations Research & Management Science. The background shows a citation network for a paper by Siti Zaiton Mohd.

**EXPERT SYSTEMS WITH APPLICATIONS**

**Impact Factor**  
**1.854** 2.339  
 2012 5 year

JCR® Category	Rank in Category	Quartile in Category
ENGINEERING, ELECTRICAL & ELECTRONIC	56 of 243	Q1
OPERATIONS RESEARCH & MANAGEMENT SCIENCE	13 of 79	Q1
COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE	31 of 115	Q2

*Data from the 2012 edition of Journal Citation Reports®*

**Publisher**  
 PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND

**ISSN:** 0957-4174

**Research Domain**  
 Computer Science  
 Engineering  
 Operations Research & Management Science

[Close Window](#)

**THOMSON REUTERS™**

Sign In Help English

My Tools Search History Marked List

Note online Add to Marked List Back to List 1 of 1

**Authors: Review and**

Siti Zaiton Mohd<sup>[1]</sup>

**Citation Network**

8 Times Cited  
 104 Cited References  
 View Related Records  
[View Citation Map](#)  
[Create Citation Alert](#)

*(data from Web of Science™ Core Collection)*

**All Times Cited Counts**

8 in All Databases  
 8 in Web of Science Core Collection  
 0 in BIOSIS Citation Index  
 0 in Chinese Science Citation Database  
 0 in Data Citation Index

are to produce high quality  
 ns is by optimizing the  
 recently, alternative to  
 ation of the machining  
 r researches from 2007 to  
 ter of both traditional and  
 modern machining. Five techniques are considered, namely genetic algorithm (GA), simulated annealing (SA), particle swarm optimization (PSO), ant colony optimization (ACO) and artificial bee colony (ABC) algorithm. Literature found that

## Condition #2: The journal has Impact Factor but the article is not indexed yet in Web of Science™

1. Go to ISI-Thomson Reuters™ Web of Science™ homepage at <http://apps.webofknowledge.com>.

The screenshot displays the ISI-Thomson Reuters Web of Science homepage. At the top, there is a navigation bar with links for 'Web of Science™', 'InCites™', 'Journal Citation Reports™', 'Essential Science Indicators™', and 'EndNote™'. On the right side of this bar are links for 'Sign In', 'Help', and 'English'. Below this is a dark header with the 'WEB OF SCIENCE™' logo on the left and the 'THOMSON REUTERS™' logo on the right. A secondary navigation bar features a 'Search' button, 'Web of Science™ Core Collection' (with a dropdown arrow), 'My Tools', 'Search History', and 'Marked List'. A welcome message reads: 'Welcome to the new Web of Science! View a brief tutorial.' The main search area is titled 'Basic Search' and includes a search input field with the placeholder text 'Example: oil spill\* mediterranean', a '+ Add Another Field' link, a 'Topic' dropdown menu, and a blue 'Search' button. To the right of the search area is a link: 'Click here for tips to improve your search.' Below the search area is a 'TIMESPAN' section with radio buttons for 'All years' (selected) and 'From 1990 to 2014'. A 'MORE SETTINGS' link is also present. At the bottom of the page, there are four links: 'Customer Feedback & Support', 'Additional Resources', 'What's New in Web of Science?', and 'Customize your Experience'.

## 2. Click “Journal Citation Reports®” at the top of the homepage.

The screenshot displays the Web of Science homepage. At the top, a navigation bar includes links for Web of Science™, InCites®, Journal Citation Reports®, Essential Science Indicators™, and EndNote®, along with Sign In, Help, and English options. The main header features the Web of Science™ logo and the Thomson Reuters logo. Below the header, a search bar is prominently displayed with the text "Example: water consum\*" and a "Search" button. A dropdown menu for "Basic Search" is visible. To the right of the search bar, there are links for "My Tools", "Search History", and "Marked List". A welcome message reads "Welcome to the new Web of Science! View a brief tutorial." Below the search bar, there is a section for "TIMESPAN" with radio buttons for "All years" (selected) and "From 1990 to 2014". A "MORE SETTINGS" link is also present.

Web of Science™ InCites® Journal Citation Reports® Essential Science Indicators™ EndNote® Sign In Help English

WEB OF SCIENCE™ THOMSON REUTERS™

Search Web of Science™ Core Collection My Tools Search History Marked List

Welcome to the new Web of Science! View a brief tutorial.

Basic Search

Example: water consum\* Title Search Click here for tips to improve your search.

+ Add Another Field

TIMESPAN

All years

From 1990 to 2014

▶ MORE SETTINGS

3. Please insert full title of the journal or ISSN of the journal in the box below “Go to Journal Profile” header and click the search button.

The screenshot displays the InCites Journal Citation Reports interface. At the top, there are navigation tabs for Web of Science®, InCites™, Journal Citation Reports®, Essential Science Indicators™, and EndNote®, along with user options for Guest, Help, and English. The main header features the InCites™ Journal Citation Reports® logo and the Thomson Reuters logo. Below the header, there are icons for Home, download, and social media. The central content area is divided into two main sections: 'Go to Journal Profile' on the left and 'Categories By Rank' on the right. The 'Go to Journal Profile' section includes a search input field containing 'ns with applications', a search button, and a dropdown menu with suggestions like 'EXPERT SYSTEMS WITH APPLICATIONS'. Below this are options for 'Select Categories', 'Select JCR Year' (set to 2012), and 'Select Edition' (with SCIE and SSCI checked). The 'Categories By Rank' section shows a network visualization of journal categories, with 'ECONOMICS' highlighted as the top category. Below the visualization is a table with the following data:

Category	Edition	#Journals	Total Cites	Median Impact Factor	Aggregate Impact Factor
1 ECONOMICS	SSCI	333	450,167	0.795	1.193



4. On the Journal Profile page, scroll down and click “Rank” tab.

2007	1,254	1.177	0.881	1.412	0.333	222	4.0	8.5	0.00513	0.377
2006	884	0.957	0.610	Not Avai...	0.123	162	4.4	7.8	Not Avai...	Not Avai...
2005	715	1.236	0.588	Not Avai...	0.127	166	3.8	7.9	Not Avai...	Not Avai...
2004	518	1.247	0.863	Not Avai...	0.135	111	4.0	7.0	Not Avai...	Not Avai...
2003	379	1.067	0.683	Not Avai...	0.068	88	4.4	7.1	Not Avai...	Not Avai...
2002	276	0.788	0.469	Not Avai...	0.103	58	4.5	6.5	Not Avai...	Not Avai...
2001	203	0.321	0.205	Not Avai...	0.043	46	5.5	5.8	Not Avai...	Not Avai...
2000	224	0.405	0.311	Not Avai...	0.038	52	5.4	7.5	Not Avai...	Not Avai...
1999	238	0.188	0.106	Not Avai...	0.050	60	5.0	5.9	Not Avai...	Not Avai...
1998	210	0.182	0.100	Not Avai...	0.011	88	4.7	6.4	Not Avai...	Not Avai...

**Source Data**

**Rank**

**Cited Journal Data**

**Citing Journal Data**

**Box Plot**

**Ego Network**

Journal Source Data				
	Citable Items			Other
	Articles	Reviews	Combined	
Number in JCR Year 2012 (A)	1,338	25	1,363	21
Number of References (B)	45,660	2,009	47,669	57
Ratio (B/A)	34.1	80.4	35.0	2.7

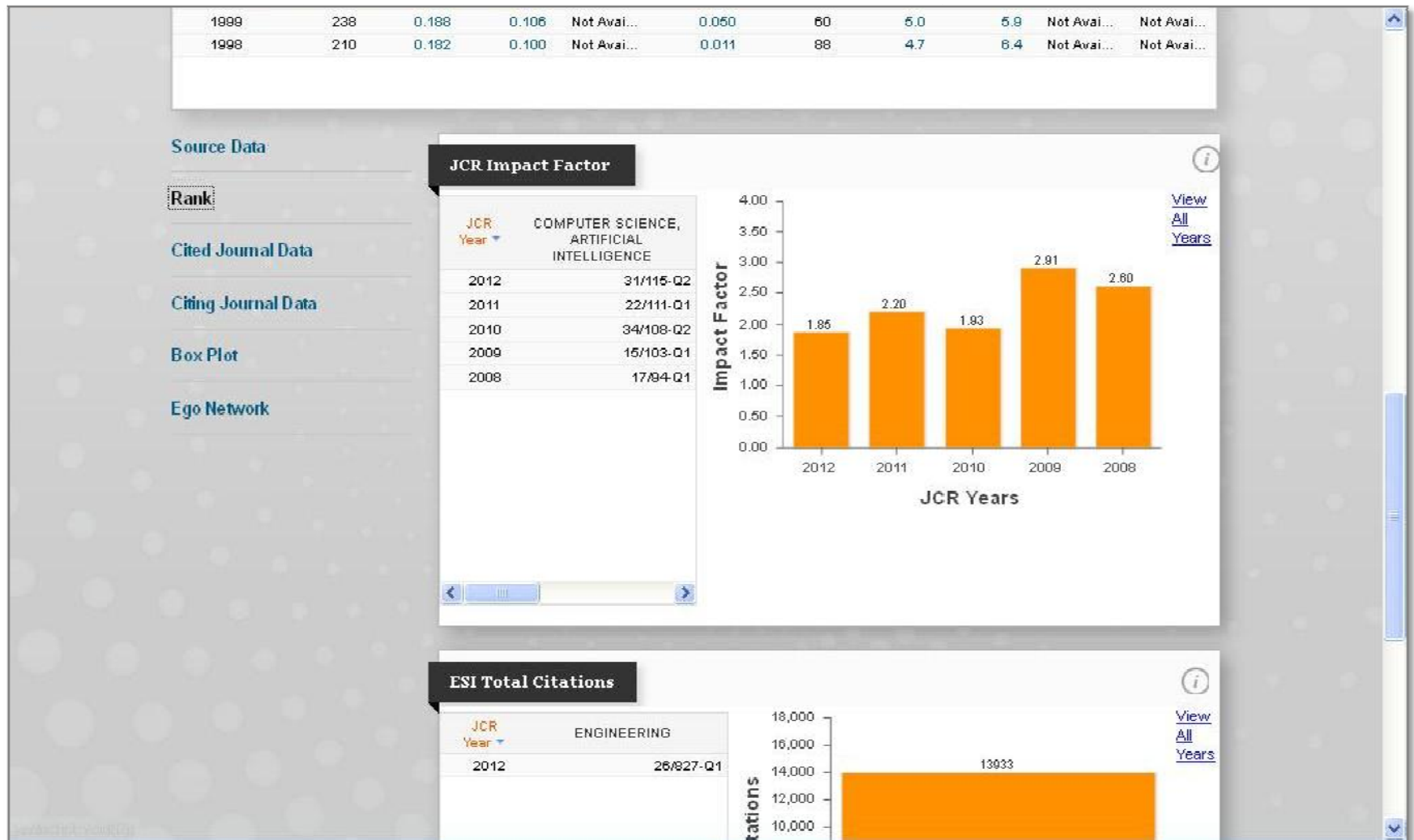
Tell us what you think. Help us improve the Journal Citation Reports by providing your feedback! [Click Here >](#)

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5. The Quartile Ranking of the journal will be displayed inside a box entitled “JCR Impact Factor”.



6. If a scroll cursor exists below the quartile ranking display, it indicates that more than one quartile category exists for the journal. Scroll the cursor to the right to obtain quartile ranking from other category.



7. If more than one quartile category exists for the journal, choose the HIGHEST quartile ranking available.

2002	276	0.786	0.469	Not Avai...	0.103	58	4.5	6.5	Not Avai...	Not Avai...
2001	203	0.321	0.205	Not Avai...	0.043	48	5.5	5.8	Not Avai...	Not Avai...
2000	224	0.405	0.311	Not Avai...	0.038	52	5.4	7.5	Not Avai...	Not Avai...
1999	238	0.188	0.106	Not Avai...	0.050	60	5.0	5.9	Not Avai...	Not Avai...
1998	210	0.182	0.100	Not Avai...	0.011	88	4.7	6.4	Not Avai...	Not Avai...

**Source Data**

**Rank**

**Cited Journal Data**

**Citing Journal Data**

**Box Plot**

**Ego Network**

**JCR Impact Factor**

RING, CAL & INIC	OPERATIONS RESEARCH & MANAGEMENT SCIENCE
56/243-Q1	13/79-Q1
41/244-Q1	5/77-Q1
50/247-Q1	15/75-Q1
16/248-Q1	3/73-Q1
33/229-Q1	1/64-Q1



[View All Years](#)

**ESI Total Citations**

JCR Year	ENGINEERING	18,000
2012	26/827-Q1	13933



[View All Years](#)

**PLEASE TAKE NOTICE:**

**Implementation of Quartile Ranking for publication incentive application**

- 1. Q1 is the highest quartile ranking and Q4 is the lowest quartile ranking (Q1 > Q2 > Q3 > Q4).**
- 2. For article that is published prior to the release of Journal Citation Reports (JCR) 2013, the Quartile Ranking from Journal Citation Reports (JCR) 2012 will be used as reference for RADIS publication verification and incentive claim approval.**