

The screenshot shows the ISI Web of Knowledge interface in a Windows Internet Explorer browser. The address bar shows the URL <http://apps.isiknowledge.com/>, which is circled with a red '1'. The page features a green header with the ISI Web of Knowledge logo and navigation tabs: 'All Databases', 'Select a Database', 'Web of Science', and 'Additional Resources'. The 'Additional Resources' tab is circled with a red '2'. Below the tabs, there are search options for 'Search', 'Search History', and 'Marked List (0)'. The main search area is titled 'ALL DATABASES' and includes a search box with a magnifying glass icon. Below the search box, there are three rows of search criteria, each with a dropdown menu for 'AND', a search box, and a dropdown menu for the search field (Topic, Author, or Publication Name). Examples are provided for each field: 'oil spill\* mediterranean' for Topic, 'O'Brian C\* OR OBrian C\*' for Author, and 'Cancer\* OR Journal of Cancer Research and Clinical Oncology' for Publication Name. A 'Support, Tools, Training & Support' sidebar is visible on the right side of the page.

1. Go to hyperlink <http://apps.webofknowledge.com/>
2. Click "Additional Resources"

ISI Web of Knowledge [v.4.10] - All Databases Additional Resources - Windows Internet Explorer

http://apps.isiknowledge.com/additional\_resources.do?highlighted\_tab=additional\_resources&product=UA

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Google Search More >>

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Sign In | My EndNote Web | My ResearcherID | My Citation Alerts | My Saved Searches | Log Out | He

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

DISCOVER the new *Web of Knowledge* now! >

All Databases Select a Database Web of Science Additional Resources

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## Analytical Tools:

### Journal Citation Reports **3**

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>TM</sup>
- Includes rank-in-category tables, journal self-citations, and Impact Factor boxplots

## Web Search Tools:

### Scientific WebPlus

Find scientifically relevant Web content fast! Search the open Web and quickly see the most relevant content for the

## Web Sites:

### ISI HighlyCited.com<sup>SM</sup>

This free, expert gateway uses citation data to deliver comprehensive information about the most significant scientists and scholars publishing today.

### 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

## How can I use these resources?

These products and Web sites provi a variety of data and analysis releva to research.

Read help for more information.

3. Click “**Journal Citation Reports**”

JCR-Web 4.5 Welcome - Windows Internet Explorer

http://admin-apps.isiknowledge.com/JCR/JCR?SID=W2c6gMLMh7b3nh64681

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

Journal Citation Reports<sup>®</sup>

[Information for New Use](#)

Select a JCR edition and year: **4**

Select an option: **5**

JCR Science Edition 2010  
 JCR Social Sciences 2009 2008 2007 2006

View a group of journals by Subject Category  
 Search for a specific journal  
 View all journals

**6** SUBMIT

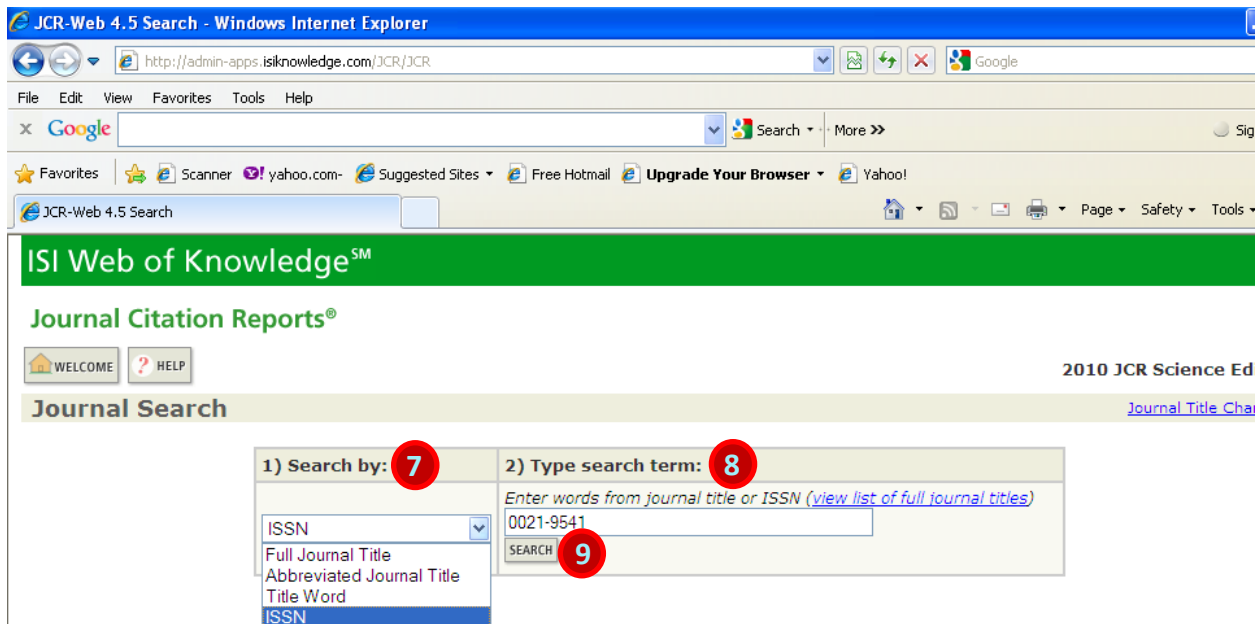
*This product is best viewed in 800x600 or higher resolution*

NOTICES

*The Notices file was last updated Mon Jul 4 11:24:25 2011*

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4. Select a “**JCR edition and year**” base on the field of your journal.  
ie; science or social science field
5. Click “**Search for a specific journal**” in selects an option column
6. Click “**SUBMIT**” button



7. Select category of searching in “**Search by**” column

8. Insert the information needed according to your searching category in “**Type search term**”

**Examples:**

- i. Full Journal Title : Enter **JOURNAL OF CELLULAR PHYSIOLOGY**  
or **JOURNAL OF CELL**
- ii. Abbreviated Journal Title : Enter **J CELL PHYSIOL** or **J CELL**
- iii. Title Word : Enter **CELLULAR** or **CELL**
- iv. ISSN : Enter **0021-9541** or other ISSN

9. Click “**SEARCH**” button

JCR-Web 4.5 Journal Summary List - Windows Internet Explorer

http://admin-apps.isiknowledge.com/JCR/JCR?RQ=LIST\_SUMMARY\_JOURNAL

WELCOME HELP 2010 JCR Science Ed

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

Journals from: search ISSN for '0021-9541'

Sorted by: Journal Title SORT AGAIN

Journals 1 - 1 (of 1) Page 1

MARK ALL UPDATE MARKED LIST

Ranking is based on your journal and sort selections.

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="#">J CELL PHYSIOL</a> 10	0021-9541	14920	3.986	4.217	0.805	379	5.7	0.04930	1.428

MARK ALL UPDATE MARKED LIST

10. Click at the **abbreviated journal title** to view journal information

JCR-Web 4.5 Journal Information - Windows Internet Explorer

http://admin-apps.isiknowledge.com/JCR/JCR?RQ=RECORD&rank=1&journal=J+CELL+PHYSIOL

File 12 View Favorites Tools Help

Print... 13

2010 JCR Science Ed

**JOURNAL OF CELLULAR PHYSIOLOGY** 11

Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citi Half-
<a href="#">J CELL PHYSIOL</a>	0021-9541	14920	3.986	4.217	0.805	379	5.7	6.

[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 CELLULAR PHYSIOLOGY  
 ISO Abbrev. Title: J. Cell. Physiol.  
 JCR Abbrev. Title: J CELL PHYSIOL  
 ISSN: 0021-9541  
 Issues/Year: 12  
 Language: ENGLISH  
 Journal Country/Territory: UNITED STATES  
 Publisher: WILEY-BLACKWELL  
 Publisher Address: COMMERCE PLACE, 350 MAIN ST, MALDEN 02148, MA,  
 Subject Categories: CELL BIOLOGY

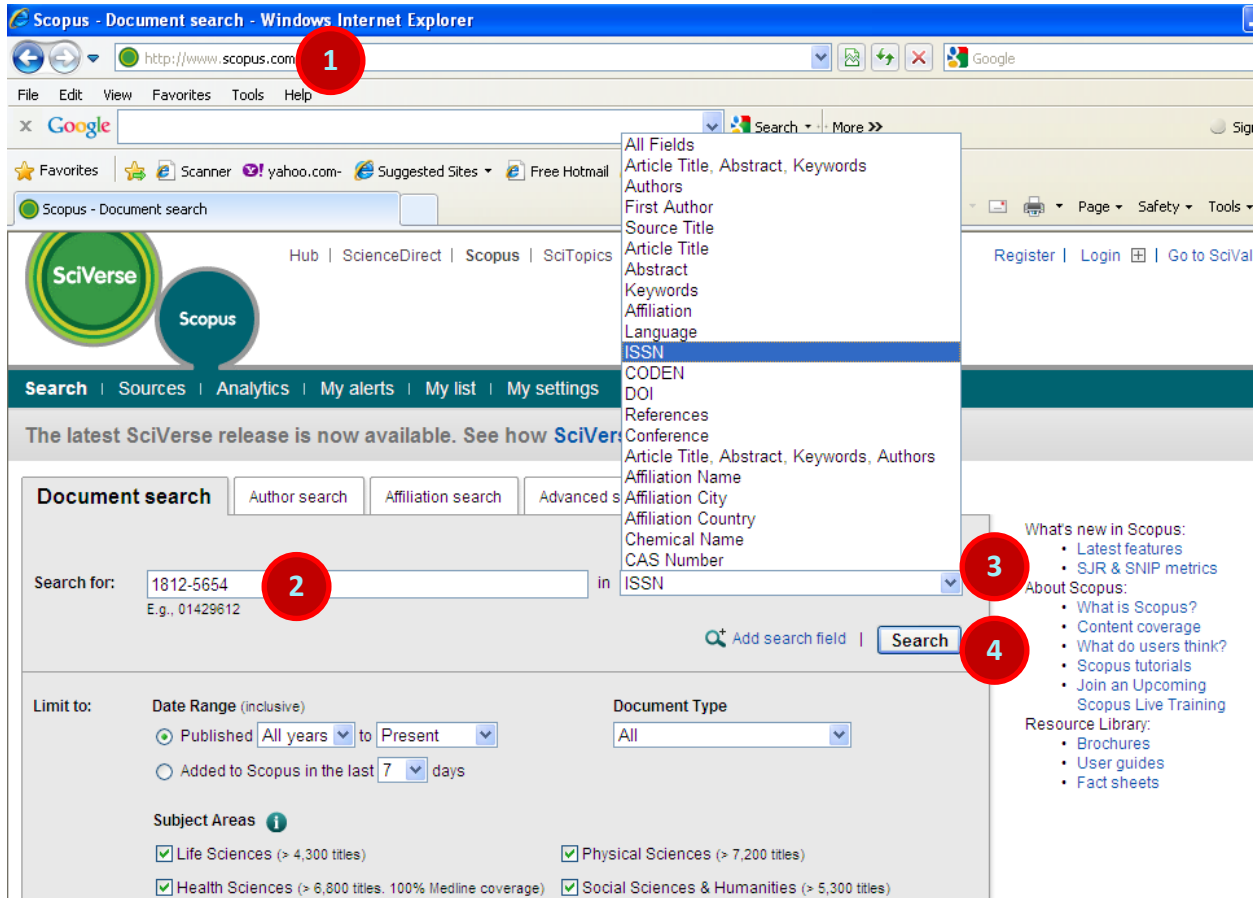
Eigenfactor™ Metrics  
 Eigenfactor™ Score: 0.04930  
 Article Influence™ Score: 1.428

SCOPE NOTE VIEW JOURNAL SUMMARY LIST VIEW CATEGORY DATA

11. Impact Factor of the journal for reference

12. Click at "File" tab

13. Select "Print" then submit the hardcopy of this webpage as a proof of journal indexing in your publication incentive claim application.



1. Go to hyperlink [www.scopus.com](http://www.scopus.com)
2. Insert the information needed in “Search for” column  
**Example;        ISSN    : 1812-5654**
3. Select “ISSN” or any other category
4. Click “Search” button

Scopus - Document search results - Windows Internet Explorer

http://www.scopus.com/results/results.url?sort=plf-f&src=s&st1=1812-5654&sid=wtkO\_5r5Xig\_W01b5m-

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Scopus - Document search results

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Search | Sources | Analytics | My alerts | My list | My settings

Quick Search  Search

Scopus: 3,201 More... Web Patents

Your query: ISSN(1812-5654) | Edit | Save | Set alert | Set feed | View search history

Document results: 3,201 | Show all abstracts | Go to page: 1 of 161 | Go | Next

Search within results

Artificial neural network  Search

Refine results

Limit to Exclude

Year

<input type="checkbox"/> 2011	(382) >
<input type="checkbox"/> 2010	(448) >
<input type="checkbox"/> 2009	(554) >
<input type="checkbox"/> 2008	(647) >

With selected:

Download PDF | Export | Print | Email | Create bibliography | Add to My List | View citation overview | View citations | View references

Sort by Date (Newest)

Document title	Author(s)	Date	Source title	Citat
<input type="checkbox"/> 1 Magnetic field exposure assessment of electric power substation in high rise building	Rahman, N.A., Rashid, N.A., Mahadi, W.N., Rasol, Z.	2011	Journal of Applied Sciences 11 (6), pp. 953-961	0
<input type="checkbox"/> 2 Initial-boundary value problem for some class of nonlinear degenerate pseudo parabolic inequalities	Lotfekar, R.	2011	Journal of Applied Sciences 11 (6), pp. 1054-1057	0

View at publisher | Show abstract | Related documents

5. Insert title of article in “Search within results”
6. Click “Search” button

Scopus - Document search results - Windows Internet Explorer

http://www.scopus.com/results/results.url?sort=plf-f&src=s&st1=1812-5654&nlo=&nlr=&nls=&sid=wtkO

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Google Search More >>

Scopus - Document search results

Scopus: 2 More... Web Patents

Your query: (ISSN(1812-5654)) AND (artificial neural networks to predict of liquidus temperature in hypoeutectic al-si cast alloys) Edit Save Set alert Set feed View search history

Document results: 2 | Show all abstracts Page: 1

Search within results

Refine results

Limit to Exclude

Year

2011 (1) > 2010 (1) > View fewer

Author Name

With selected:

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Sort by Date (Newest)

	Document title	Author(s)	Date	Source title	Citat
1	Energy cost modeling for high speed hard turning	Al-Hazza, M.H.F., Adesta, D.Y.T., Ali, A.M., Agusman, D., Suprianto, M.Y.	2011	Journal of Applied Sciences 11 (14), pp. 2578-2584	0
2	Artificial neural networks to predict of liquidus temperature in hypoeutectic Al-Si cast alloys	Farahany, S., Erfani, M., Karamoozian, A., Ourdjini, A., Idris, M.H.	2010	Journal of Applied Sciences 10 (24), pp. 3243-3249	1

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7. Click at the title of article to view journal information



Scopus - Document details - Windows Internet Explorer

http://www.scopus.com/record/display.url?eid=2-s2.0-78049364718&origin=resultslist&sort=plf-f8src=s8

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Journal of Applied Sciences  
Volume 10, Issue 24, 2010, Pages 3243-3249

ISSN: 18125654  
Document Type: Article  
Source Type: Journal

View references (26)

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### Artificial neural networks to predict of liquidus temperature in hypoeutectic Al-Si cast alloys

Farahany, S.<sup>a</sup>, Erfani, M.<sup>b</sup>, Karamoozian, A.<sup>b</sup>, Ourdjini, A.<sup>a</sup>, Idris, M.H.<sup>a</sup>

<sup>a</sup> Department of Materials Engineering, Faculty of Mechanical Engineering, UTM, Malaysia  
<sup>b</sup> Faculty of Computer Science and Information Systems, UTM, Malaysia

#### Abstract

Determining the **liquidus temperature** of **cast alloys** is an important factor in considering the superheating **temperature** and melt treatment of aluminium-silicon **cast alloys**. In addition to experimental calculation, the **liquidus temperature** can also be determined using simulation software for more reliable results. In this study, **Artificial Neural Network (ANN)** with hyperbolic tangent was selected to **predict the liquidus temperature** of **Al-Si alloys** as a function of chemical composition. The **neural network** was trained with seven input parameters (**Si, Fe, Cu, Mn, Mg, Zn and Ti**) and one output parameter (**liquidus temperature**). Training and testing dataset has been chosen from different published works, any casting software and aluminium binary phase diagrams. The accuracy of **neural network** was verified using values reported in literatures. The result of this investigation has shown that the backpropagation feed forward **neural network** is accurate enough to **predict liquidus temperature**. © 2010 Asian Network for Scientific Information.

#### Cited by since 1996

This article has been cited 1 time in Scopus:

Al-Hazza, M.H.F., Adesta, D.Y.T., Ali, A.M.  
**Energy cost modeling for high speed hard turning**  
(2011) *Journal of Applied Sciences*

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#### Related documents

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Hernandez, F.C.R., Djurdjevic, M.B., Kierkus, W.T.  
**Calculation of the liquidus temperature for hypo and hypereutectic aluminum silicon alloys**  
(2005) *Materials Science and Engineering A*

Djurdjevic, M.B., Francis, R., Sokolowski, J.H.  
**Comparison of different analytical methods for the calculation of latent heat of solidification of 3XX aluminum alloys**  
(2004) *Materials Science and Engineering A*

View all related documents based on all shared

8. Go to File tab, and then print this webpage as proof of journal indexing.