



Information Search 2: E-Journals

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Workshop Objectives

- Information Resources
- E-Journals
- Journal Impact Factor
- How to retrieve ISI indexed journals
- How to retrieve Medline indexed journals
- ScienceDirect Collection
- ScienceDirect Alert
- DOI

Information Resources

- Basic Knowledge

e.g. Books & Atlasse

- Updated Knowledge

e.g. Periodicals & Journals

Medical Information

- Half-life: 6 months
- Doubling-time: 20 month
- So you should keep updating!

What are E-Journals?

- Any journal, magazine, newsletter or type of electronic serial publication which is available over the Internet.
- Publication of E-journals has become the main area of thrust for most of the publishers in the area of Science and Technology.

Advantages of E-Journals

- Time saving
- Simultaneous multi users
- Ease of access
- Faster communication
- No physical storage space

Electronic Journals: Levels of Access

1. Table of Content (TOC)
2. TOC + Abstract
3. TOC + Abstract + Full text

Types of Electronic Full Texts

- **PDF** Full text
(**P**ortable **D**ocument **F**ormat)
- **HTML** Full text
(**H**ypertext **M**arkup **L**anguage)

Electronic Journals: Types of Access

- Purchased Journals
- Free Journals
- Open Access Journals

Open Access Literature

- OA literature is digital, online, free of charge, and free of most copyright and licensing restrictions.
- Free (without cost) for readers and users
- Not free for producers
- Not free to produce

OA Literature Features

- OA is compatible with copyright, peer review, revenue, profit, print, preservation, prestige, quality, career-advancement, indexing and other features and supportive services associated with conventional scholarly literature.
- The primary difference is that the bills are not paid by readers.

Authentication Methods

- Individual

 - User Name & Password Authentication

- Institutional

 - IP Based Authentication

- Authens

 - Institutional-Individual

Authens Service

- Institutional Subscription but **Username & Password** based
- Gaining access to the resources from **anywhere** via **any** internet service

اداره‌ی انتشارات و علم‌سنجی دانشگاه علوم پزشکی تهران

How to evaluate an scholarly journal

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Journal Impact Factor

- IF has been the most important criteria for evaluating an scholarly journal.
- **IF** is calculated only for journals indexed in **ISI Web of Sciences**.
- The database contains the Journal Impact Factors is **Journal Citation Report (JCR)**.

Journal Impact Factor

- The average citations to the articles published in a journal in the study year during 2 preceding years of that journal received citations in overall ISI indexed journals.

Impact Factor Calculation

- Citations in the current JCR year to articles published in the previous **two years** divided by **the number of articles** published in the previous two years.

Citations in 2007 to articles published in 2005 + 2006

IF=

Total 2005 + 2006 Papers

How to find Journal Impact Factor

- Journal Impact Factors are calculated and released annually by one of the most important and useful **ISI** databases called **J**ournal **C**itation **R**eport.

2010 Impact Factors

Mark	Rank	Abbreviated Journal Title (linked to journal information)	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	CA-CANCER J CLIN	0007-9235	9804	94.333	70.245	8.667	18	3.8	0.04893	24.729
<input type="checkbox"/>	2	ACTA CRYSTALLOGR A	0108-7673	13946	54.333	24.717	0.629	70	6.3	0.04635	8.563
<input type="checkbox"/>	3	NEW ENGL J MED	0028-4793	227679	53.486	52.363	10.675	345	7.5	0.68835	21.349
<input type="checkbox"/>	4	REV MOD PHYS	0034-6861	29872	51.695	48.621	8.219	73	>10.0	0.10706	31.178
<input type="checkbox"/>	5	ANNU REV IMMUNOL	0732-0582	16100	49.271	46.688	7.682	22	7.6	0.06241	25.132
<input type="checkbox"/>	6	NAT REV MOL CELL BIO	1471-0072	26838	38.650	41.578	6.400	70	4.7	0.18576	23.468
<input type="checkbox"/>	7	NAT REV CANCER	1474-175X	26729	37.184	37.881	6.423	71	5.3	0.12979	16.937
<input type="checkbox"/>	8	NAT GENET	1061-4036	76301	36.377	32.701	7.242	178	6.7	0.35745	17.700
<input type="checkbox"/>	9	NATURE	0028-0836	511248	36.104	35.248	8.792	862	9.1	1.73520	19.306
<input type="checkbox"/>	10	NAT REV IMMUNOL	1474-1733	21080	35.196	33.644	5.571	70	4.7	0.12381	16.116

2011 Impact Factors

Mark	Rank	Abbreviated Journal Title (linked to journal information)	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	CA-CANCER J CLIN	0007-9235	10976	101.780	67.410	21.263	19	3.8	0.04502	24.502
<input type="checkbox"/>	2	NEW ENGL J MED	0028-4793	232068	53.298	50.075	11.484	349	7.8	0.66466	21.293
<input type="checkbox"/>	3	ANNU REV IMMUNOL	0732-0582	15990	52.761	42.901	9.174	23	8.2	0.05204	23.410
<input type="checkbox"/>	4	REV MOD PHYS	0034-6861	31368	43.933	44.436	10.026	38	9.8	0.11667	28.864
<input type="checkbox"/>	5	CHEM REV	0009-2665	103702	40.197	42.054	7.158	196	7.9	0.21464	13.305
<input type="checkbox"/>	6	NAT REV MOL CELL BIO	1471-0072	29222	39.123	42.508	6.500	66	5.1	0.17432	23.838
<input type="checkbox"/>	7	LANCET	0140-6736	158906	38.278	33.797	10.576	276	8.9	0.36138	13.602
<input type="checkbox"/>	8	NAT REV GENET	1471-0056	20384	38.075	31.359	7.014	71	4.7	0.12140	16.942
<input type="checkbox"/>	9	NAT REV CANCER	1474-175X	28602	37.545	38.460	4.838	68	5.8	0.12608	17.917
<input type="checkbox"/>	10	ADV PHYS	0001-8732	4400	37.000	25.289	3.778	9	>10.0	0.01485	17.966

How to retrieve ISI indexed Journals

- Indexed journals

<http://tumspress.tums.ac.ir>

- ISI Web of Science (ISI WoS)
- Journal Citation Report (JCR)

Select a JCR edition and year:	Select an option:
<input checked="" type="radio"/> JCR Science Edition 2012 ▼ <input type="radio"/> JCR Social Sciences Edition 2012 ▼	<input checked="" type="radio"/> View a group of journals by Subject Category ▼ <input type="radio"/> Search for a specific journal <input type="radio"/> View all journals
<input type="button" value="SUBMIT"/>	

This product is best viewed in 800x600 or higher resolution

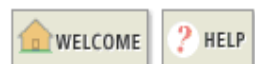
The Notices file was last updated Tue Oct 15 20:12:07 2013

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Subject Category Selection

<p>1) Select one or more categories from the list.</p> <p>(How to select more than one)</p>	<ul style="list-style-type: none">PORTICOLOGYIMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGYIMMUNOLOGYINFECTIOUS DISEASESINSTRUMENTS & INSTRUMENTATIONINTEGRATIVE & COMPLEMENTARY MEDICINELIMNOLOGYLOGICMARINE & FRESHWATER BIOLOGYMATERIALS SCIENCE, BIOMATERIALS
<p>2) Select to view Journal data or aggregate Category data.</p>	<p><input checked="" type="radio"/> View Journal Data - sort by: <input type="text" value="Impact Factor"/></p> <p><input type="radio"/> View Category Data - sort by: <input type="text" value="Category Title"/></p>
<p><input type="button" value="SUBMIT"/></p>	

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Journal Summary List

[Journal Title Changes](#)Journals from: **subject categories INFECTIOUS DISEASES** Sorted by:

Journals 1 - 20 (of 70)

Page 1 of 4

Ranking is based on your journal and sort selections.

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data ⁱ						Eigenfactor [®] Metrics ^j	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
<input type="checkbox"/>	1	LANCET INFECT DIS	1473-3099	10471	19.966	18.095	7.000	80	4.8	0.04022	7.086
<input type="checkbox"/>	2	CLIN INFECT DIS	1058-4838	45556	9.374	8.980	2.231	523	6.5	0.13004	3.314
<input type="checkbox"/>	3	AIDS	0269-9370	23034	6.407	6.131	1.679	265	6.2	0.06820	2.221
<input type="checkbox"/>	4	EMERG INFECT DIS	1080-6040	21567	5.993	6.312	1.689	244	5.7	0.06524	2.154
<input type="checkbox"/>	5	J INFECT DIS	0022-1899	42783	5.848	5.914	1.556	493	8.0	0.09769	2.144
<input type="checkbox"/>	6	EUROSURVEILLANCE	1560-7917	5236	5.491		1.340	188	3.2	0.02394	
<input type="checkbox"/>	7	J ANTIMICROB CHEMOTH	0305-7453	20364	5.338	4.686	1.257	428	5.8	0.05448	1.455
<input type="checkbox"/>	8	CURR OPIN INFECT DIS	0951-7375	3039	4.870	4.610	0.839	87	4.6	0.01136	1.606
<input type="checkbox"/>	9	CURR OPIN HIV AIDS	1746-630X	1312	4.704	3.146	1.000	75	2.7	0.00826	1.251
<input type="checkbox"/>	10	JAIDS-J ACQ IMM DEF	1525-4135	13194	4.653	4.569	0.906	288	6.0	0.04063	1.671
<input type="checkbox"/>	11	CLIN MICROBIOL INFECTION	1198-743X	9033	4.578	4.501	1.314	306	4.0	0.03416	1.495

Journal Citation Reports[®]

2012 JCR Science Edition

Journal: LANCET INFECTIOUS DISEASES

Mark	Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
	LANCET INFECT DIS	1473-3099	10471	19.966	18.095	7.000	80	4.8	5.1

[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: LANCET INFECTIOUS DISEASES**ISO Abbrev. Title:** Lancet Infect. Dis.**JCR Abbrev. Title:** LANCET INFECT DIS**ISSN:** 1473-3099**Issues/Year:** 12**Language:** ENGLISH**Journal Country/Territory:** UNITED STATES**Publisher:** ELSEVIER SCIENCE INC**Publisher Address:** 360 PARK AVE SOUTH, NEW YORK, NY 10010-1710**Subject Categories:** INFECTIOUS DISEASES[SCOPE NOTE](#)[VIEW JOURNAL SUMMARY LIST](#)[VIEW CATEGORY DATA](#)**Journal Rank in Categories:** [JOURNAL RANKING](#)**Eigenfactor[®] Metrics****Eigenfactor[®] Score**

0.04022

Article Influence[®] Score

7.086

Additional Links

LIBRIS

Journal Impact Factor

Journal Citation Reports[®]



Rank in Category: **LANCET INFECTIOUS DISEASES**

Journal Ranking

For **2012**, the journal **LANCET INFECTIOUS DISEASES** has an Impact Factor of **19.966**.

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
INFECTIOUS DISEASES	70	1	Q1

Category Box Plot

For **2012**, the journal **LANCET INFECTIOUS DISEASES** has an Impact Factor of **19.966**.



Journal Search

1) Search by:	2) Type search term:
<input type="text" value="Full Journal Title"/>	Enter words from journal title or ISSN (view list of full journal titles) <input type="text"/> <input type="button" value="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](#))

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Journal Search

1) Search by:	2) Type search term:
Full Journal Title ▾	Enter words from journal title or ISSN (view list of full journal titles) hematology <input type="button" value="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](#))

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Journal Summary List

[Journal Title Changes](#)

Journals from: search Full Journal Title for 'HEMATOLOGY'

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 ^j		
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
<input type="checkbox"/>	1	HEMATOLOGY	1024-5332	938	1.393	1.402	0.118	119	5.9	0.00211	0.359

MARK ALL UPDATE MARKED LIST

Journals 1 - 1 (of 1)

Navigation icons

Page 1 of 1

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Journal Citation Reports®



2012 JCR Science Edition

Journal: Hematology

Mark	Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
	HEMATOLOGY	1024-5332	938	1.393	1.402	0.118	119	5.9	7.3

[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: Hematology**ISO Abbrev. Title:** Hematology**JCR Abbrev. Title:** HEMATOLOGY**ISSN:** 1024-5332**Issues/Year:** 6**Language:** ENGLISH**Journal Country/Territory:** ENGLAND**Publisher:** MANEY PUBLISHING**Publisher Address:** STE 1C, JOSEPHS WELL, HANOVER WALK, LEEDS LS3 1AB, W YORKS, ENGLAND**Subject Categories:** HEMATOLOGY

SCOPE NOTE

VIEW JOURNAL SUMMARY LIST

VIEW CATEGORY DATA

Eigenfactor® Metrics**Eigenfactor® Score**

0.00211

Article Influence® Score

0.359

Additional Links

LIBRIS

Journal Rank in Categories: JOURNAL RANKING

Journal Impact Factor



Rank in Category: Hematology

Journal Ranking ⁱ

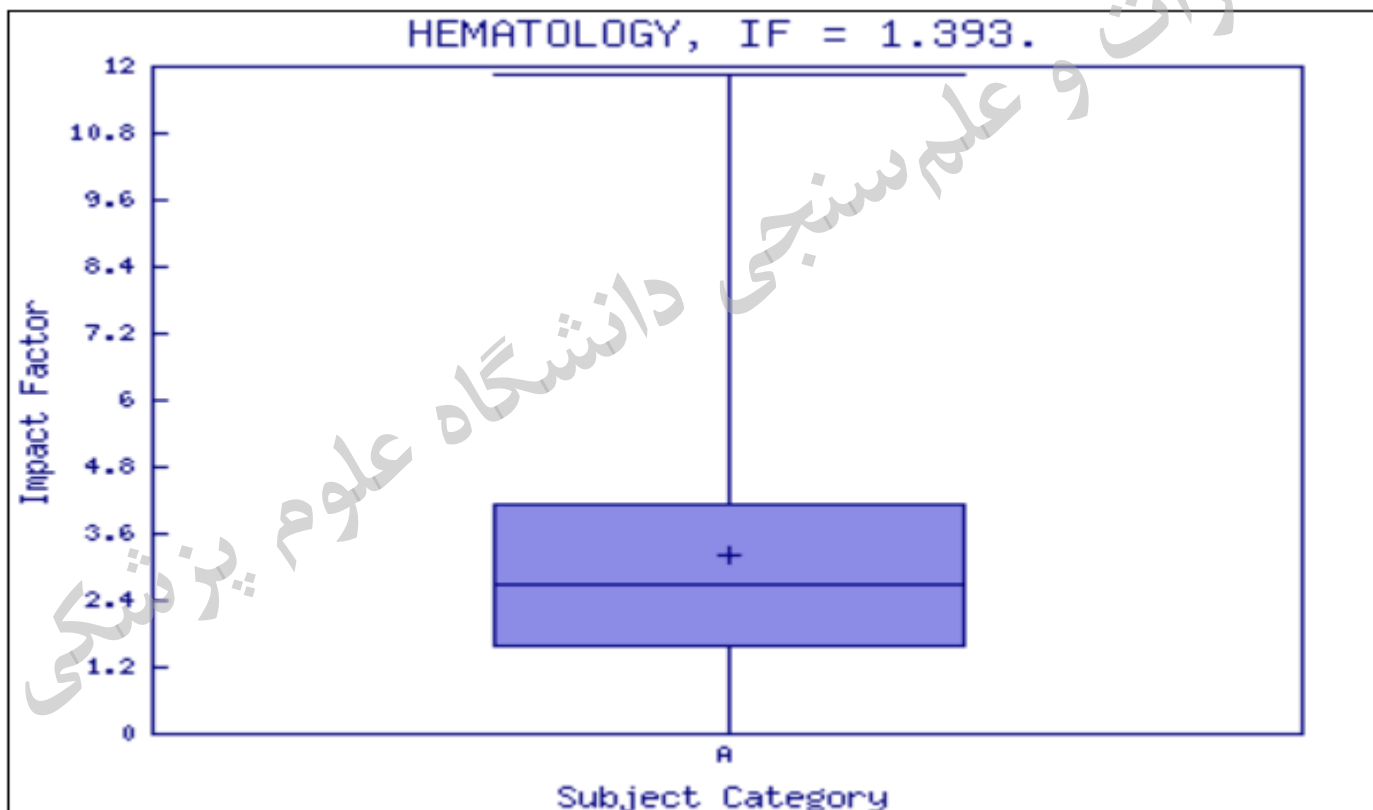
For **2012**, the journal **Hematology** has an Impact Factor of **1.393**.

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
HEMATOLOGY	67	52	Q4

Category Box Plot

For 2012, the journal **Hematology** has an Impact Factor of **1.393**.



تهران

Journal Summary List

[Journal Title Changes](#)

Journals from: All Journals

Sorted by:

Journals 1 - 20 (of 8471)

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Ranking is based on your journal and sort selections.

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data ⁱ						Eigenfactor [®] Metrics ^j	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
<input type="checkbox"/>	1	CA-CANCER J CLIN	0007-9235	13722	153.459	88.550	27.040	25	3.3	0.05136	29.408
<input type="checkbox"/>	2	NEW ENGL J MED	0028-4793	245605	51.658	50.807	12.667	360	8.0	0.65957	21.642
<input type="checkbox"/>	3	REV MOD PHYS	0034-6861	35720	44.982	51.882	6.478	46	10.0	0.12968	32.565
<input type="checkbox"/>	4	CHEM REV	0009-2665	112596	41.298	45.795	14.335	176	8.2	0.22674	14.361
<input type="checkbox"/>	5	NAT REV GENET	1471-0056	23358	41.063	36.400	6.314	70	4.9	0.12411	18.700
<input type="checkbox"/>	6	LANCET	0140-6736	166922	39.060	36.427	9.556	313	9.1	0.36172	14.575
<input type="checkbox"/>	7	NATURE	0028-0836	554745	38.597	38.159	9.243	869	9.6	1.56539	20.801
<input type="checkbox"/>	8	NAT REV MOL CELL BIO	1471-0072	31341	37.162	44.026	5.985	65	5.7	0.14944	22.576
<input type="checkbox"/>	9	ANNU REV IMMUNOL	0732-0582	15963	36.556	43.742	8.429	28	8.6	0.04860	23.191
<input type="checkbox"/>	10	NAT MATER	1476-1122	46348	35.749	42.376	8.411	141	5.2	0.22815	19.585
<input type="checkbox"/>	11	NAT GENET	1061-4036	81183	35.209	34.520	5.511	225	6.8	0.30757	17.402


Select a JCR edition and year:	Select an option:
<input checked="" type="radio"/> JCR Science Edition 2012 ▾ <input type="radio"/> JCR Social Sciences Edition 2012 ▾	<input type="radio"/> View a group of journals by Subject Category ▾ <input type="radio"/> Search for a specific journal <input checked="" type="radio"/> View all journals
<input type="button" value="SUBMIT"/>	

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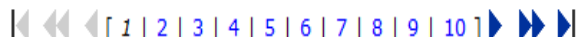
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 Journal Summary List
[Journal Title Changes](#)

Journals from: All Journals

Sorted by:

Journals 1 - 20 (of 8471)



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Ranking is based on your journal and sort selections.

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<input type="checkbox"/>	2	NEW ENGL J MED	0028-4793	245605	51.658	50.807	12.667	360	8.0	0.65957	21.642
<input type="checkbox"/>	3	REV MOD PHYS	0034-6861	35720	44.982	51.882	6.478	46	10.0	0.12968	32.565
<input type="checkbox"/>	4	CHEM REV	0009-2665	112596	41.298	45.795	14.335	176	8.2	0.22674	14.361
<input type="checkbox"/>	5	NAT REV GENET	1471-0056	23358	41.063	36.400	6.314	70	4.9	0.12411	18.700
<input type="checkbox"/>	6	LANCET	0140-6736	166922	39.060	36.427	9.556	313	9.1	0.36172	14.575
<input type="checkbox"/>	7	NATURE	0028-0836	554745	38.597	38.159	9.243	869	9.6	1.56539	20.801
<input type="checkbox"/>	8	NAT REV MOL CELL BIO	1471-0072	31341	37.162	44.026	5.985	65	5.7	0.14944	22.576
<input type="checkbox"/>	9	ANNU REV IMMUNOL	0732-0582	15963	36.556	43.742	8.429	28	8.6	0.04860	23.191
<input type="checkbox"/>	10	NAT MATER	1476-1122	46348	35.749	42.376	8.411	141	5.2	0.22815	19.585
<input type="checkbox"/>	11	NAT GENET	1061-4036	81183	35.209	34.520	5.511	225	6.8	0.30757	17.402

How to retrieve Medline indexed Journals

- **Indexed journals**

<http://tumspress.tums.ac.ir>

- **NLM Catalog: Journals referenced in the
NCBI Databases**

<http://www.ncbi.nlm.nih.gov/nlmcatalog/journals>



PubMed

PubMed comprises more than 22 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.

Using PubMed

- [PubMed Quick Start Guide](#)
- [Full Text Articles](#)
- [PubMed FAQs](#)
- [PubMed Tutorials](#)
- [New and Noteworthy](#)

PubMed Tools

- [PubMed Mobile](#)
- [Single Citation Matcher](#)
- [Batch Citation Matcher](#)
- [Clinical Queries](#)
- [Topic-Specific Queries](#)

More Resources

- [MeSH Database](#)
- [Journals in NCBI Databases](#)
- [Clinical Trials](#)
- [E-Utilities](#)
- [LinkOut](#)

Free Medical Journals

- URL: <http://www.freemedicaljournals.com>
- Over 3700 journals
- Free Access

Immediately

After 1-6 months

After 7-12 months

Later

DOAJ

- Directory of Open Access Journals
- URL: <http://www.doaj.org>
- Free, full text, quality controlled scientific and scholarly journals
- Covering all subjects and many languages from 56 countries.
- About 1000 journals on Health Science
- Open Access **without delay**

Access to TUMS Resources

- **TUMS *OnCampus* access:**

From any station on TUMS campus

<http://diglib.tums.ac.ir>

- **TUMS *OffCampus* access:**

Using your dialup username & password

<http://diglib.tums.ac.ir>

<http://www.tums.ac.ir>

TUMS Electronic Journals

- ScienceDirect
- Ovid
- Wiley InterScience
- Springer
- Oxford university Press
- Proquest
- Ebsco

ScienceDirect

- ScienceDirect is a part of Elsevier.
- A leading full-text scientific database offering journal articles and book chapters.
- Bringing articles from issue 1 volume 1 eg. The Lancet from 1823.

ScienceDirect Coverage

- More than 3000 Journals
- More than 11,000 books
- About 11,000,000 articles/chapters
- Growing rate of 0.5 million per year
- Link out to articles from over 170 other publishers
- 24 subjects
- Articles In Press
- Backfile to Volume 1, Issue 1

ScienceDirect

Information Seeking

- **Browse**

- Title
- Subject

- **Search**

- Quick Search
- Advanced Search
- Expert Search

ScienceDirect Search Techniques

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Truncation

- An aster allows you to search by a root word.
- If you type in Behav* the search would include words such as: behave, behavioral, behaviour, etc.

Wildcard

- ? A question mark replaces a character anywhere in a word, except the first character.
- To search for both woman and women simultaneously, you could enter `Wom?n`

Plurals & Phrases

■ Plurals

- horse and horses
- woman and women
- case and cases

■ Searching Phrases

- double quotes “ ”

اداره‌ی انتشارات و علم‌سنجی دانشگاه علامه طباطبائی تهران

Alternative spellings & Synonyms

- English and American spellings
 - **behaviour** and **behavior**
 - **flavour** and **flavor**
 - **colour** and **color**
 - **psychoanalyse** and **psychoanalyze**
- Synonyms
 - **Aspirin** will also search **acetylsalicylic acid**

Connectors

You can use ScienceDirect **connectors** or operator to search for more than one word in a single search:

- **AND**
- **OR**
- **AND NOT**

Boolean Operators

Shaded areas indicate retrieval

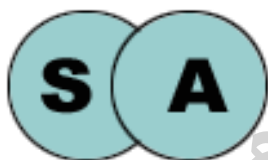
Search Statement

Types of records retrieved



stress **AND** anxiety

Documents that have **both** stress **AND** anxiety



stress **OR** anxiety

Documents that have **either** stress **OR** anxiety



stress **AND NOT** anxiety

Documents that have stress **but NOT** anxiety

Connectors

- If you don't include a **connector**, **AND** will be automatically inserted between your search terms.
- If you use more than one **connector**, ScienceDirect interprets the search according to the **order of precedence**.

ScienceDirect Types of Alerts

- **Search Alert**

Tells you when a stored search retrieves new results.

- **Topic Alert**

Tells you when new articles pertaining to a specific topic are available on ScienceDirect.

- **Journal alert**

(New Issue Alert OR TOC Alert)

Tells you when new issues of your chosen journals are available.

DOI

- Digital Object Identifier (DOI)
- A digital unique code for each object
- www.doi.org
- Resolve this DOI:
doi:10.1016/j.beha.2010.05.005