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Essential Science IndicatorsSM

快速参考指南





基于Web of KnowledgeSM平台，Essential Science IndicatorsSM是一个基于网络的深度分析研究工具，可以帮助科研人员和科研评估人员衡量科研绩效产出和追踪科学的研究趋势。

Essential Science IndicatorsSM的数据来源于超过10,000种Web of Science[®] (SCI/SSCI) 收录的期刊，按照论文的总数、总被引次数和篇均被引次数进一步分析，为您提供22个学科领域的科学家、机构（大学、公司、政府、实验室）、国家/地区和期刊的排名。数据覆盖当前的滚动十年，每两个月更新一次。

Essential Science IndicatorsSM为您提供完美工具，帮助您进行科研文献的多层次分析，您可以用它：

- 衡量国家、公司、作者、期刊和论文的科研绩效
- 概览自然科学和社会科学的当前研究趋势
- 评估潜在的雇员、合作伙伴、审稿人和同事

概览：

- 来自于 Web of Science[®] (SCI/SSCI) 的超过10年的数据
 - ESI覆盖数据为滚动10年
 - 数据每2个月更新一次（一年6次）
- 发表在10000+种期刊上的Article, Review, Proceedings Paper, Research Notes
- 每一种期刊都按照22个学科进行了分类标引

登录Essential Science IndicatorsSM

请访问：www.webofknowledge.com，进入Web of KnowledgeSM平台；选择其他资源标签，点击Essential Science IndicatorsSM则可以进入。

Essential Science IndicatorsSM

WEB OF KNOWLEDGE™ 领先一步

The screenshot shows the top navigation bar with links like '主页' (Home), '标记结果列表' (Marked Result List), '我的 Essential Web' (My Essential Web), '我的 ResearcherID' (My ResearcherID), '我的文献库' (My Bibliography), '我的期刊列表' (My Journal List), '我的保存的文章' (My Saved Articles), '注册' (Register), and '帮助' (Help). Below the navigation is a search bar with dropdowns for '所有数据库' (All Databases) and '选择一个数据库' (Select a Database), followed by 'Web of Science'. A red box highlights the '其他资源' (Other Resources) link. The main content area features several sections: '分析工具' (Analysis Tools) with 'Journal Citation Reports', 'Essential Science Indicators', and 'Web of Science Plus'; '研究者' (Researchers) with 'BiologyBrowser', 'Index to Organism Names', and 'ResearcherID.com'; '科学趋势' (Science Trends) with 'Science Watch' and 'Science Watch'; and 'Thomson Reuters' with a brief introduction. A sidebar on the right contains a 'Thomson Reuters Select' logo and a '如何使用这些资源?' (How to use these resources?) section.

检索 & 浏览

Essential Science IndicatorsSM 主界面

The screenshot shows the main interface of the Essential Science Indicators website. At the top, it says 'ISI Web of Knowledge™' and 'Essential Science Indicators™'. It notes that the data has been updated as of September 1, 2011, to cover a 10-year + 6-month period from January 1, 2001 to June 30, 2011. The page features three large colored boxes (A, B, C) for 'Citation Rankings', 'Most Cited Papers', and 'Citation Analysis'. Below these are sections for 'Information for New Users', 'Commentary' (with links to IN-CITES, SPECIAL TOPICS, and SCIENCE WATCH), and a note about the last update. At the bottom, there are links for 'Acceptable Use Policy' and 'Copyright © 2011 The Thomson Corporation'.

A 浏览各种排名

- 将近10年的记录按照总被引次数按照如下字段进行排序：
 - Scientists (取排名前1%)
 - Institutions (取排名前1%)
 - Journals (取排名前50%)
 - Countries/Territories (取排名前50%)

以检索机构排名为例，选择Institutions进一步查看：



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ISI Web of Knowledge™

Essential Science Indicators™

Essential Science IndicatorsSM has been updated as of September 1, 2011 to cover a 10-year + 6 month period, January 1, 2001-June 30, 2011.

Information for New Users

Citation Rankings:	- Scientists - Institutions - CrossDisciplinary - Journals
Most Cited Papers:	- Highly Cited Papers (last 10 years) - Hot Papers (last 2 years)
Citation Analysis:	- Baselines - Research Fronts



The Notice file was last updated Thu Sep 1 13:14:27 2011

Acceptable Use Policy

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① 点击Institutions进入机构排名

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INSTITUTIONS MENU

BY FIELD	Select an institution from this field: <input type="text" value="All Fields"/> 2
OR	
BY NAME	Select an institution from the alphabetical list or enter a name to search. 0-9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Example: HARVARD UNIV* (see example) 3 <input type="text" value="CHINESE ACADEMY OF SCIENCES"/> <input type="button" value="SEARCH"/>

INSTITUTION SEARCH EXAMPLES

- Enter MIT to search for citation data in which at least one address includes the MASSACHUSETTS INSTITUTE OF TECHNOLOGY.
- Enter NCI to search for citation data in which at least one address includes the NATIONAL CANCER INSTITUTE.
- Enter HARVARD UNIV* to search for citation data in which at least one address includes HARVARD UNIVERSITY.
- Enter HARVARD* to search for citation data from HARVARD UNIVERSITY or the HARVARD SMITHSONIAN CTR ASTROPHYS.
- Enter SALK INST* to search for citation data in which at least one address includes the SALK INSTITUTE FOR BIOLOGICAL STUDIES.

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② 选择感兴趣的研究领域查询本领域进入全球前1%的机构

③ 按照机构进行检索，查看某机构有哪些学科进入全球前1%排名

本例中，我们检索中国科学院进入全球前1%的学科

注：可以点击字母按照字顺浏览机构

ISI Web of Knowledge™

Essential Science Indicators™

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FIELD RANKINGS FOR CHINESE ACADEMY OF SCIENCES

Display items with at least: 0 Citations

Sorted by: Citations

Page 1 of 1

7	View	Field	Papers	Citations	Citations Per Paper
1		CHEMISTRY	40,330	417,546	10.35
2		PHYSICS	33,050	235,392	7.12
3		MATERIALS SCIENCE	16,289	132,873	8.16
4		GEOSCIENCES	12,560	99,684	7.94
5		PLANT & ANIMAL SCIENCE	9,697	61,366	6.33
6		BIOLOGY & BIOCHEMISTRY	7,089	61,102	8.62
7		ENVIRONMENT/ECOLOGY	7,640	57,872	7.57
8		ENGINEERING	9,555	49,362	5.22
9		MOLECULAR BIOLOGY & GENETICS	2,749	46,121	16.78
10		SPACE SCIENCE	4,819	34,969	7.26
11		CLINICAL MEDICINE	2,363	21,377	9.05
12		NEUROSCIENCE & BEHAVIOR	1,364	14,991	11.72

- ④ 回到ESI主界面
- ⑤ 查看Help帮助文档
- ⑥ 回到机构排名检索页面
- ⑦ 中科院共有20个学科进入全球前1%
- ⑧ ⑨ ⑩ 中科院近10年间在化学学科领域发表的论文总数、总被引次数、篇均被引用次数
- ⑪ 点击CHEMISTRY查看中科院化学学科在全球的具体排名情况

The screenshot displays three main sections of the ESI website:

- INSTITUTION RANKINGS IN CHEMISTRY:** A table showing the top 16 institutions in Chemistry. The table includes columns for Institution, Papers, Citations, and Citations Per Paper. Institutions listed include CHINESE ACADEMY OF SCIENCES, MAN FRANCIS SOCIETY, UNIV CALIF BERKELEY, KYOTO UNIV, UNIV TOKYO, MIT, CNRS, RUSSIAN ACADEMY OF SCIENCES, and HARVARD UNIVERSITY.
- TOP PAPERS FOR CHINESE ACADEMY OF SCIENCES IN CHEMISTRY:** A table showing the top 10 papers from the Chinese Academy of Sciences in Chemistry, sorted by citations. The table includes columns for Title, Authors, and Citations.
- WEB OF KNOWLEDGE:** A search interface for Web of Science, showing search results for "BIOINSPIRED SURFACES WITH SPECIAL WETTABILITY". The results page includes a chart showing the distribution of publication years for these papers.

- ⑫ CHEMISTRY进入全球前1%的机构有1034个
- ⑬ 中科院在化学学科领域排名第一（按照论文的总被引次数排序）
- ⑭ 查看中科院化学学科的高影响力论文，可以直接点击WEB OF SCIENCE按钮链接至Web of Science[®]查看论文详细情况
- ⑮ 查看中科院化学学科的高影响力论文按照发表年代分布的趋势图
- ⑯ 可以修改排序依据，按照总被引次数、论文总数、篇均被引次数或机构字顺排序



B 锁定高被引论文

- **Highly Cited Papers:** 列出在22个学科里被引次数最高的文献，排序列表按照论文被引用次数的高低排在前 1% 的论文而给出
- **Hot Papers:** 在最近两年里发表的论文中,按照最近两个月里某个学科领域中被引用次数进入前1 %。的论文而给出

The screenshot shows the ISI Web of Knowledge homepage. At the top, there's a green bar with the text 'ISI Web of Knowledge™' and 'Essential Science Indicators™'. Below it, a message states 'Essential Science IndicatorsSM has been updated as of September 1, 2011 to cover a 10-year + 6-month period, January 1, 2001-June 30, 2011.' A blue box labeled 'Information for New Users' contains links to 'Citation Rankings', 'Most Cited Papers', and 'Citation Analysis'. To the right, a red circle labeled '1' highlights the 'Most Cited Papers' link. Another red circle labeled '2' highlights the 'IN-CITES' button under the 'Commentary' section. At the bottom, there's a copyright notice: 'Copyright © 2011 The Thomson Corporation'.

- ① 点击Highly Cited papers查看最近10年被引次数进入前1%的论文

The screenshot shows the 'HIGHLY CITED PAPERS MENU' search interface. It features four search fields: 'BY FIELD' (set to 'Biology & Biochemistry'), 'BY NAME' (with a dropdown menu showing 'Show alphabetic list of...'), 'BY SEARCHING' (with fields for 'Title word', 'Scientist', 'Institution', 'Country/Territory', and 'Journal'), and a search button 'SEARCH' with a red border. A red circle labeled '2' is over the 'SEARCH' button. A red circle labeled '3' is over the 'BY NAME' dropdown. A red circle labeled '4' is over the 'SEARCH' field. At the bottom, there's a copyright notice: 'Copyright © 2010 The Thomson Corporation'.

- ② 按照学科领域查看最近10年的高被引论文
本例中，我们按照学科领域浏览生物和生化领域的高被引论文
- ③ 按照科学家、机构、国家/地区或期刊字顺浏览最近10年的高被引论文
- ④ 按照标题、科学家、机构等字段检索最近10年的高被引论文

Essential Science IndicatorsSM

生物和生化领域的最近10年高被引论文列表

ISI Web of KnowledgeSM
Essential Science IndicatorsSM

WELCOME HELP SEARCH TOP DOWNLOADS PROFILE

HIGHLY CITED PAPERS IN BIOLOGY & BIOCHEMISTRY
Sorted by: Citations | SCOPUS | SCIE ALONE

1 - 20 (of 5184) | PREV 1 2 3 4 5 6 7 8 9 10 NEXT | REFRESH

5 of 260 | COMMENTARY | REF OF SCIENCE

1. Citations: 8,157 | Title: ANALYSIS OF RELATIVE GENE EXPRESSION DATA USING REAL-TIME QUANTITATIVE PCR AND THE 2(Δ)_n-DELTA DELTA C_n METHOD | Authors: LIVAK KJ, SCHMITTGEN TD | Source: METHODS 25 (5): 402-408 DEC 2001 | Address: Washington State Univ, Dept Pharmacol Sci, Pullman, WA 99164 USA, Agilent Biosci Inc, Foster City, CA 94404 USA | Field: BIOLOGY & BIOCHEMISTRY | REF OF SCIENCE

2. Citations: 7,615 | Title: THE PROTEIN DATA BANK | Authors: BERNAR HM, WESTBROOK J, FENG Z, GILLILAND G, BHAT TN, WEISSIG H, SHINDYALOV IN, BOURNE PE | Source: NUCL ACID RES 28 (1): 235-242 JAN 1 2000 | Address: Rutgers State Univ, Dept Chem, 410 Taylor Rd, Piscataway, NJ 08854 USA, Rosalind Franklin Inst, Bethesda, MD 20205 USA, Natl Inst Stand & Technol, Gaithersburg, MD 20892 USA, Univ Calif San Diego, San Diego Supercomp Cr, La Jolla, CA 92093 USA, Univ Calif San Diego, Dept Pharmacol, La Jolla, CA 92093 USA, Burnham Inst, La Jolla, CA 92093 USA | Field: BIOLOGY & BIOCHEMISTRY | REF OF SCIENCE

6 of 260 | COMMENTARY | REF OF SCIENCE

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Would you like to see the paper, "The Protein Data Bank," for our reader? Dr. Helen Berman, from the Protein Data Bank (PDB), has been a leader in the field of protein crystallography for many years. She has made significant contributions to the understanding of protein structure and function, and her work has had a major impact on the field. Her research has led to the development of new methods for determining protein structures, and her work has been cited over 10,000 times. Dr. Berman is a Professor in the Chemistry Department at the University of California, San Diego. She is supported by funds from the National Institutes of Health, the National Institute of General Medical Sciences, and the National Institute of Child Health and Human Development. She has received numerous awards for her research, including the National Science Foundation's Presidential Early Career Award for Scientists and Engineers, the National Institutes of Health's Director's Award, and the National Academy of Sciences' National Medal of Science.

- ⑤ 点击WEB OF SCIENCE按钮链接至Web of Science[®]查看论文详细信息
⑥ 查看专家评述、作者访谈等信息

C 引文分析

- Beseline:评价基准线
- Research Fronts:研究前沿

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Information for New Users
Citation Rankings: • Scientists
• Institutions
• Countries/Territories
• Journals
Most Cited Papers: • Highly Cited Papers (last 10 years)
• Hot Papers (last 2 years)
Citation Analysis: • Baselines
• Research Fronts

Commentary:
IN-CITES
SPECIAL TOPICS
SCIENCE WATCH

1 of 1 | REFRESH | DOWNLOAD

The Notices Bar was last updated Thu Sep 1 13:14:27 2011
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- ① 点击Baselines查看评价基准线
衡量研究绩效的基准,帮助理解引文统计的标尺



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WELCOME HELP

BASELINES MENU

BY AVERAGES:

②

View the average citation rates table.

OR

BY PERCENTILES:

③

View the percentiles table.

OR

BY FIELD RANKINGS:

④

View field rankings table.

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- ② Average Citation Rates: 平均引文率按照10年间各年进行统计,表示各学科中每年发表论文的篇均被引次数
- ③ Percentiles: 每年发表的论文达到某个百分点基准应被引用的次数
- ④ Field Rankings: 显示某个学科中的论文总数和引文总数

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WELCOME HELP RETURN TO HOME

②

Average Citation Rates
for papers published by field, 2001 - 2011
(How to read this data)

Fields	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	All Years
All Fields	20.47	19.46	17.89	16.52	14.40	11.94	9.91	7.07	4.64	2.10	0.36	10.57
Agricultural Sciences	14.65	14.05	13.41	12.37	10.49	9.04	7.02	4.56	2.85	1.16	0.19	7.04
Biology & Biochemistry	31.79	29.75	27.41	24.72	20.95	17.12	14.13	10.40	6.73	2.89	0.49	16.63
Chemistry	19.05	19.24	17.80	16.86	15.23	12.81	10.77	8.35	5.77	2.70	0.46	11.21
Clinical Medicine	24.01	23.26	21.89	20.29	18.00	14.85	12.14	8.41	5.35	2.48	0.38	12.71
Computer Science	8.35	8.75	6.00	4.55	4.18	3.16	4.43	3.28	1.99	0.84	0.13	3.88
Economics & Business	13.20	13.67	12.38	11.27	9.35	7.42	5.78	3.62	2.07	0.89	0.20	6.26
Fields	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	All Years
Engineering	8.94	8.45	7.96	7.71	6.68	5.68	5.07	3.55	2.47	1.03	0.18	4.81
Environment/Ecology	21.68	21.78	20.20	18.43	15.71	13.07	10.80	7.51	4.70	1.92	0.37	11.17
Geosciences	19.70	17.53	16.45	14.89	12.87	11.53	8.33	6.23	4.21	1.90	0.44	9.56
Immunology	38.91	36.05	33.17	31.47	27.25	22.65	19.10	14.06	9.28	3.94	0.61	21.12
Materials Science	12.61	11.82	12.11	10.96	9.78	8.59	7.36	5.59	3.91	1.88	0.32	7.23
Mathematics	6.66	6.68	6.09	5.54	4.96	4.15	3.30	2.45	1.58	0.67	0.13	3.45
Microbiology	30.21	28.08	26.09	24.24	22.03	17.32	13.70	10.03	6.34	2.90	0.46	15.28
Fields	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	All Years
Molecular Biology & Genetics	49.49	46.22	41.62	37.60	31.87	26.60	21.51	15.79	10.23	4.49	0.71	24.41
Multidisciplinary	5.67	6.41	7.60	6.49	6.87	6.98	5.86	4.71	3.65	3.03	0.77	4.97
Neuroscience & Behavior	37.75	34.46	30.67	28.26	24.85	20.65	16.54	11.81	7.45	3.19	0.54	18.92
Pharmacology & Toxicology	21.22	22.94	20.31	19.91	16.43	14.95	11.91	8.74	5.33	2.19	0.35	12.05
Physics	15.32	14.33	13.35	12.86	11.41	9.70	7.26	5.47	4.40	2.23	0.42	8.48
Plant & Animal Science	15.16	14.40	13.22	12.21	10.28	8.54	6.83	4.81	3.02	1.32	0.25	7.68
Psychiatry/Psychology	23.46	21.36	20.71	18.52	15.49	12.87	9.96	6.06	3.98	1.61	0.33	11.27
Fields	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	All Years
Social Sciences, general	9.59	9.44	8.81	8.45	7.47	6.07	4.76	3.13	1.87	0.78	0.17	4.69

根据论文发表年代和所属学科，评定论文的被引用情况是否达到了全球平均水平。本例中，我们看到，2006年发表的生物和生化学科领域的论文，到目前为止，如果引用次数超过17.12次，则达到全球平均水平。

Essential Science IndicatorsSM

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WELCOME HELP RETURN TO MENU

3

Percentiles
for papers published by field, 2001–2011

(How to read this data)

All Fields	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	All Years
0.01 %	1579	1575	1250	1028	920	720	595	454	313	135	29	180
0.10 %	551	512	461	406	345	283	234	169	111	53	13	325
1.00 %	181	171	153	139	118	97	80	58	38	19	5	105
10.00 %	48	45	42	39	34	28	23	17	12	6	2	26
20.00 %	28	27	25	23	20	17	14	10	7	4	1	14
50.00 %	9	8	8	8	7	6	5	4	3	1	0	4
Agricultural Sciences	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	All Years
0.01 %	465	555	436	551	571	184	178	119	85	34	14	372
0.10 %	265	236	248	185	143	108	93	64	40	17	8	149
1.00 %	103	100	95	81	67	54	43	31	18	9	3	61
10.00 %	36	34	33	30	25	22	17	12	8	4	1	19
20.00 %	23	22	21	19	17	15	12	8	5	3	1	11
50.00 %	8	8	8	8	7	6	5	3	2	1	0	3
Biology & Biochemistry	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	All Years
0.01 %	1734	1827	1328	935	809	876	727	681	342	141	36	974
0.10 %	664	659	551	445	387	316	278	212	135	58	13	398
1.00 %	252	217	203	178	147	118	98	74	46	21	6	142
10.00 %	71	66	61	55	47	38	31	23	16	7	2	40
20.00 %	45	42	39	35	30	25	20	15	10	5	1	24
50.00 %	18	16	16	15	13	11	9	6	4	2	1	8
Chemistry	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	All Years
0.01 %	2007	1828	1103	913	985	694	623	593	377	149	31	923
0.10 %	530	530	444	416	340	276	237	195	128	61	14	324
1.00 %	157	161	144	137	120	96	84	64	45	23	6	102
10.00 %	43	43	41	38	35	30	25	20	14	7	2	27
20.00 %	26	26	25	24	22	19	16	12	9	5	1	16
50.00 %	9	9	9	8	8	7	6	5	3	2	0	5

根据论文发表年代和学科对照，我们可以评定论文被引用情况在全球同类论文中的所处地位。例如，一篇2006年发表的生物与生化类论文，到目前为止被引用38次，则已进入全球10%的行列。

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WELCOME HELP RETURN TO MENU

4

Field Rankings

Sorted by: Citations

SOFT AGAIN

	View	Field	Papers	Citations	Citations Per Paper
1	grid	CLINICAL MEDICINE	1,914,568	23,001,964	12.02
2	grid	CHEMISTRY	1,694,743	11,231,338	10.26
3	grid	BIOLOGY & BIOCHEMISTRY	523,670	8,425,212	16.09
4	grid	PHYSICS	813,506	6,871,021	8.45
5	grid	MOLECULAR BIOLOGY & GENETICS	257,611	6,202,862	24.08
6	grid	NEUROSCIENCE & BEHAVIOR	279,129	5,021,461	18.00
7	grid	PLANT & ANIMAL SCIENCE	513,533	3,644,710	7.10
8	grid	ENGINEERING	741,508	3,169,287	4.27
9	grid	MATERIALS SCIENCE	418,869	2,634,905	6.29
10	grid	ENVIRONMENT/ECOLOGY	239,756	2,455,442	10.24
11	grid	IMMUNOLOGY	115,843	2,362,476	20.39
12	grid	PSYCHIATRY/PSYCHOLOGY	225,298	2,281,218	10.13
13	grid	GEOSCIENCES	255,710	2,254,764	8.83
14	grid	MICROBIOLOGY	159,943	2,249,278	14.11
15	grid	PHARMACOLOGY & TOXICOLOGY	165,064	1,906,357	11.24
16	grid	SOCIAL SCIENCES, GENERAL	403,348	1,705,341	4.23
17	grid	SPACE SCIENCE	115,376	1,541,395	13.36
18	grid	AGRICULTURAL SCIENCES	183,050	1,174,284	6.42
19	grid	ECONOMICS & BUSINESS	149,736	811,876	5.44
20	grid	COMPUTER SCIENCE	245,440	814,347	3.32

此表提供近10年来各个学科的论文总数、总被引用次数和篇均被引用次数。藉此，我们可以了解全球各学科的研究领域规模、引用模式等信息。



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汤森路透

Research Fronts 研究前沿是一组高被引论文，是通过聚类分析而定义的核心论文。

- 通过测量高被引论文之间的相关度而形成聚类。测度的方式是一组被统计论文的共被引次数。聚类的形成是通过按照特定的共引基线将论文分组而定义的
- 聚类的命名基于半自动化的词频处理过程而形成

The screenshot shows the ISI Web of Knowledge homepage. At the top, there's a green bar with the text 'ISI Web of Knowledge™' and 'Essential Science Indicators™'. Below this, a message says 'Essential Science IndicatorsSM has been updated as of September 1, 2011 to cover a 10-year + 6 month period, January 1, 2001-June 30, 2011.' A 'Information for New Users' link is present. In the center, there are three main sections: 'Citation Ranking', 'Most Cited Papers', and 'Citation Analysis'. Under 'Citation Analysis', the 'Research Fronts' option is highlighted with a red box and a large red number '5'. To the right, there's a 'Commentary' section with links for 'IN-CITES', 'SPECIAL TOPICS', and 'SCIENCE-WATCH'. At the bottom left, there's a 'NOTICE' link and a 'TUTORIAL'. On the far right, it says 'The Notice file was last updated This Sep 1 13:14:27 2011'. At the very bottom, there's a 'Acceptable Use Policy' link and a copyright notice: 'Copyright © 2011 The Thomson Corporation'. The Thomson logo is at the bottom left.

⑤ 点击Research Fronts查看研究前沿

The screenshot shows the 'RESEARCH FRONT'S MENU' page. It has two main search fields: 'BY FIELD:' (with a dropdown menu showing 'Biology & Biochemistry') and 'BY NAME:' (with a text input field containing 'BREAST CANCER' and a 'SEARCH' button). A red box highlights the 'Biology & Biochemistry' dropdown with a red number '6'. Another red box highlights the 'SEARCH' button with a red number '7'. Below the search fields, there's a 'RESEARCH FRONT'S EXAMPLES' section with a list of search terms. At the bottom, there's a copyright notice: 'Copyright © 2010 The Thomson Corporation' and the Thomson logo.

⑥ 按照学科查看研究前沿

本例中，检索生物和生化领域的研究前沿

⑦ 直接在检索框输入检索词，检索关心领域的研究前沿

Essential Science IndicatorsSM

- ⑧ 聚类的一组核心论文数量
 - ⑨ 本组核心论文的总被引用次数
 - ⑩ 本组核心论文的篇均被引用次数
 - ⑪ 本组核心论文的平均发表年
 - ⑫ 点击图标，查看本组核心论文的列表，并可以直接链接至Web of Science查看论文详细情况

※ Web of KnowledgeSM 应用技巧：

<http://ip-science.thomsonreuters.com.cn/searchtips/ISIWOKsearchtips/>

※ 产品培训：<http://ip-science.thomsonreuters.com.cn/producttraining/>

如果您在使用Web of Science[®]过程中有更好的应用技巧，也欢迎您与我们共同分享。您可以将您的检索技巧，应用体验或任何建议随时发送到我们的邮箱里：ts.support.china@thomsonreuters.com



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