如何获取自然科学、社会科学跨学科的研究前沿

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Thomson Reuters高级顾问

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SCI茶室博客

http://blog.sciencenet.cn/u/wanyuehua

提纲：聚焦研究前沿 深化自主创新

- 好的选题是科研至关重要的一步。那么，如何获得创新性的、具有国际前沿性的选题呢？今天将带领大家在ESI数据库中淘宝，捕捉自然科学、人文社会科学的研究前沿。大家会发现ESI数据库能轻松揭示那些发生在学科交叉领域中的创新选题！

- **1、如何寻找跨学科研究领域关键人才?**
- **2、如何追踪跨学科前沿——热点论文、高引论文**
- **3、如何追踪跨学科学科前沿——研究前沿**
- **4、 ESI、Web of Science结合追踪跨学科研究前沿**

重视新兴的交叉领域

- **2013年7月17日习近平总书记在中科院考察时发表跨学科的讲话：要加强新兴前沿交叉领域部署，这一要求，体现了对科技发展的深刻洞察，对未来科技发展具有重要指导意义**。
- 科学前沿的很多重大突破得益于学科交叉融合，近百年来获得诺贝尔自然科学奖的334项成果中，近半数是学科交叉融合的结果。例如DNA分子双螺旋结构的发现，就是依靠物理学、生物学、化学交叉融合取得的。
- 随着科学的发展，仅凭某一学科领域的研究已很难解决复杂的现实问题。比如研究公共安全问题，就要把计算机、信息、法学、公共管理、化工、材料、物流、信息网络技术结合起来，甚至还要与传媒结合。
- 多学科的相互交叉、特别是人文社会科学向各领域的渗透、先进技术和手段的运用等，是发展前沿的重要特征。学科交叉点往往就是科学新的生长点、新的前沿，最有可能产生重大突破，使科学发生革命性的变化。
-

如何追踪自然科学、社会科学跨学科研究前沿？

“交叉学科重要，但做起来很难”，甚至成为身处交叉领域研究人员的共识。经费无处申请、成果无处发表，因此，加强新兴前沿交叉领域部署，从顶层推动交叉领域发展，破解交叉领域存在的难题，显得尤为重要和迫切 。

2012年教育部建立了人文社会科学协同创新中心，鼓励人文社会科学学者开展高水平的跨学科研究 。

汤森路透Web of Science跨学科平台
http://www.webofscience.com/

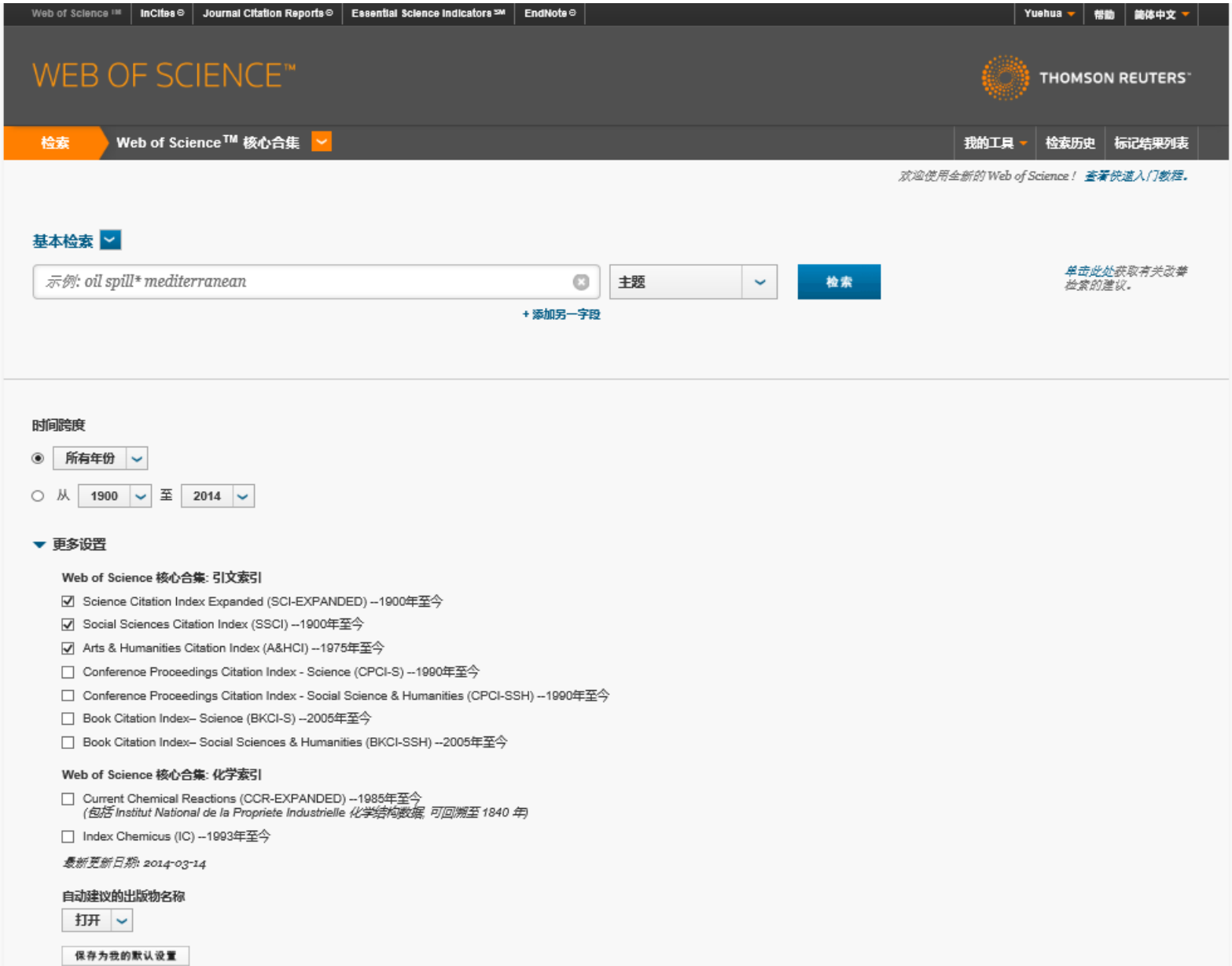
点击选择数据库

选择Web of Science核心合集 点击进入

SCI、SSCI、A&HCI

汤森路透Web of Science跨学科平台

汤森路透Web of Science跨学科平台



利用著名的科学分析管理工具ESI 确定课题选题

网址：**http://isiknowledge.com/esi**

- **基本科学指标数据库（Essential Science Indicators，简称ESI ）是汤森路透在汇集和分析 Web of Science® (SCIE/SSCI)所收录的学术文献及其所引用的参考文献的基础上建立起来的分析型数据库。ESI提供十年滚动数据，每两个月更新一次，最近一次更新为2015年3月5日（本期ESI数据时间跨度：2004年1月1日至2014年12月31日）。**
- **ESI从引文分析的角度，将全部科学分为22个专业领域，分别对国家、研究机构、期刊、论文以及科学家进行统计分析和排序。**

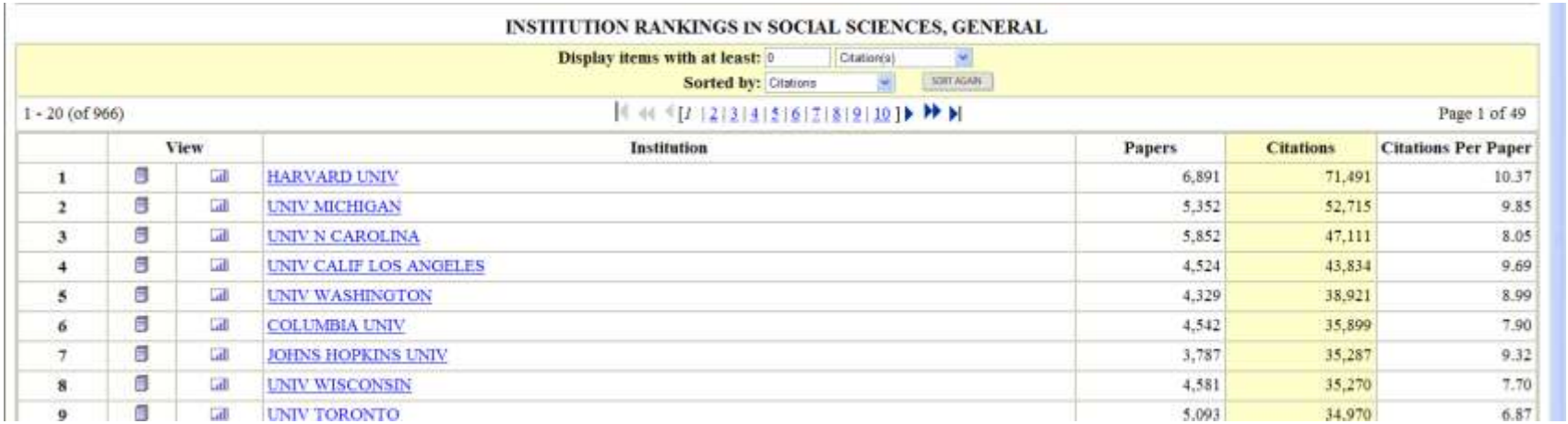
追踪自然科学、人文社会科学跨学科研究前沿

什么是ESI

- Essential Science Indicators（简称ESI）是基于Web of science核心合集（Science Citation Index Expanded和Social Sciences Citation Index）权威数据建立的分析型数据库，能够为科技政策制定者、科研管理人员、信息分析专家和研究人员提供多角度的学术成果分析。
- 利用ESI帮助科研人员跟踪自然科学和社会科学领域的研究发展趋势，评估潜在的合作者或同行，辅助科技政策、经济政策及科技发展规划的制定。学术成果分析。
- 针对机构、个人或学科的分析报告，可以支持学校发展规划处、科技处、研究生处、人事处等决策层工作。如科技处、发展规划处关注的本机构的科研产出、学术影响力、重点学科发展状况及与同领域机构的发展比较等；辅助人事处做好人才评估和引进工作等。

Essential Science Indicators
定量分析研究绩效的工具

- 来自于 Web of Science 的SCI、SSCI10年滚动数据，基于22个学科；
- 总影响力（总引用次数）进入全球前1%的科学家、研究机构（或大学）排名；进入全球前50%的国家（或地区）及学术期刊排名
- 高被引论文、热点论文和研究前沿分析



INSTITUTION RANKINGS IN SOCIAL SCIENCES, GENERAL

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1 - 20 (of 966) [1] 2 3 4 5 6 7 8 9 10 Page 1 of 49

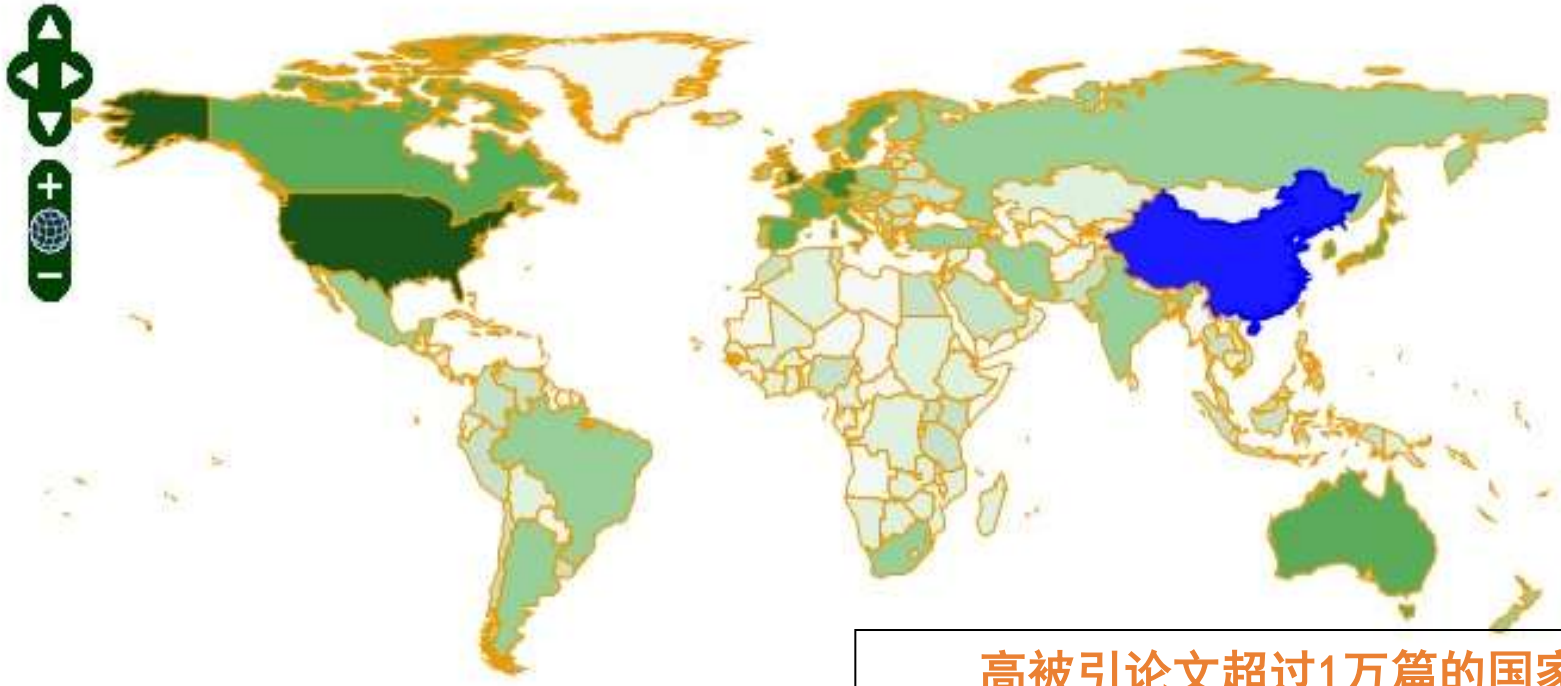
	View		Institution	Papers	Citations	Citations Per Paper
1			HARVARD UNIV	6,891	71,491	10.37
2			UNIV MICHIGAN	5,352	52,715	9.85
3			UNIV N CAROLINA	5,852	47,111	8.05
4			UNIV CALIF LOS ANGELES	4,524	43,834	9.69
5			UNIV WASHINGTON	4,329	38,921	8.99
6			COLUMBIA UNIV	4,542	35,899	7.90
7			JOHNS HOPKINS UNIV	3,787	35,287	9.32
8			UNIV WISCONSIN	4,581	35,270	7.70
9			UNIV TORONTO	5,093	34,970	6.87

Essential Science Indicators
定量分析研究绩效的工具

- 热点论文（Hot Papers）：由汤森路透（Thomson Reuters）每两个月根据引文数量统计的22个学科的热点论文。这些论文是最近两年内发表且被引频次在最近两个月内排名达到各学科领域的前0.1%。
- 研究前沿（Research Fronts）：由汤森路透（Thomson Reuters）根据共被引分析和聚类算法选出的学科最新研究前沿，反映现代科学中的研究密集型和突破性领域，每个研究前沿包含一组高被引论文。

高被引论文 （Highly Cited Papers）
最近10年发表的论文，总被引次数与同年度，同学科发表论文相比排名前1%的论文。

全球高被引论文的国家分布（2004-2014）



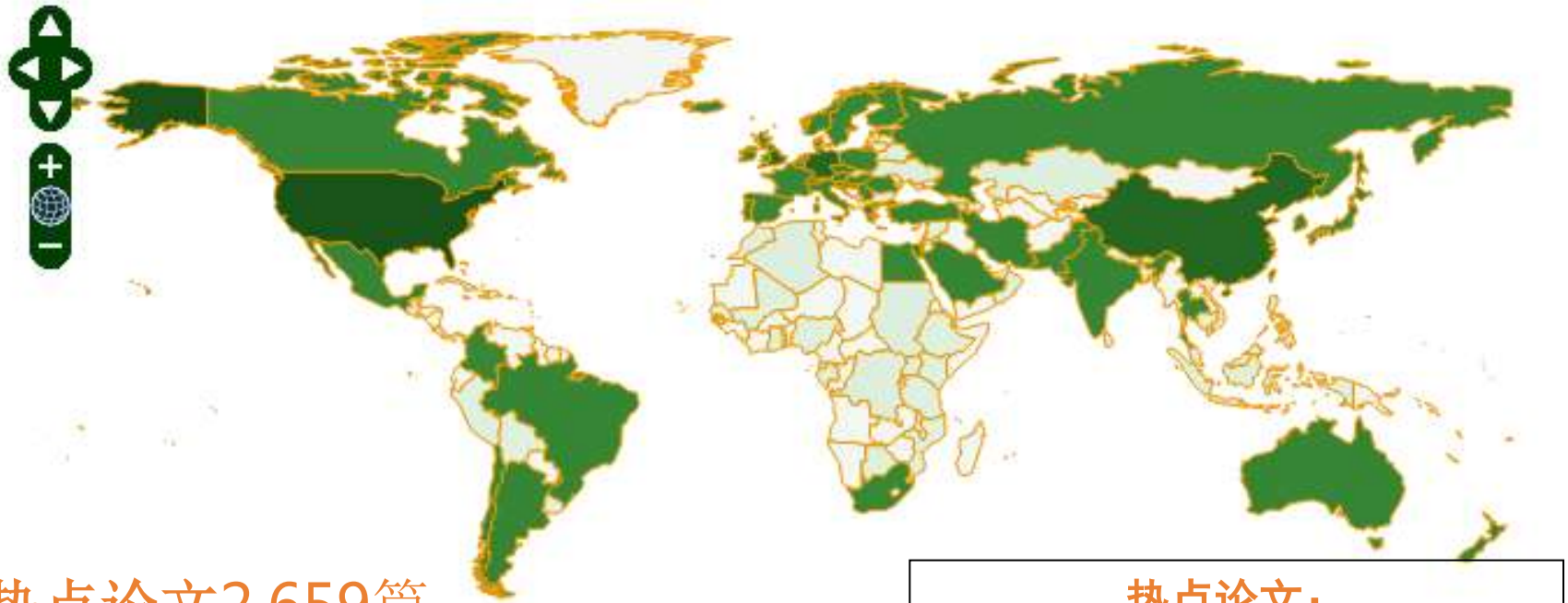
高被引论文
128,498篇

高被引论文超过1万篇的国家：

美国： 67, 0683 绝对优势
英国： 16, 932
德国： 15, 252
中国： 14, 191

数据来源： 汤森路透的ESI数据库

全球热点论文的国家分布（2004-2014）



热点论文2,659篇

热点论文：

美国： 1458

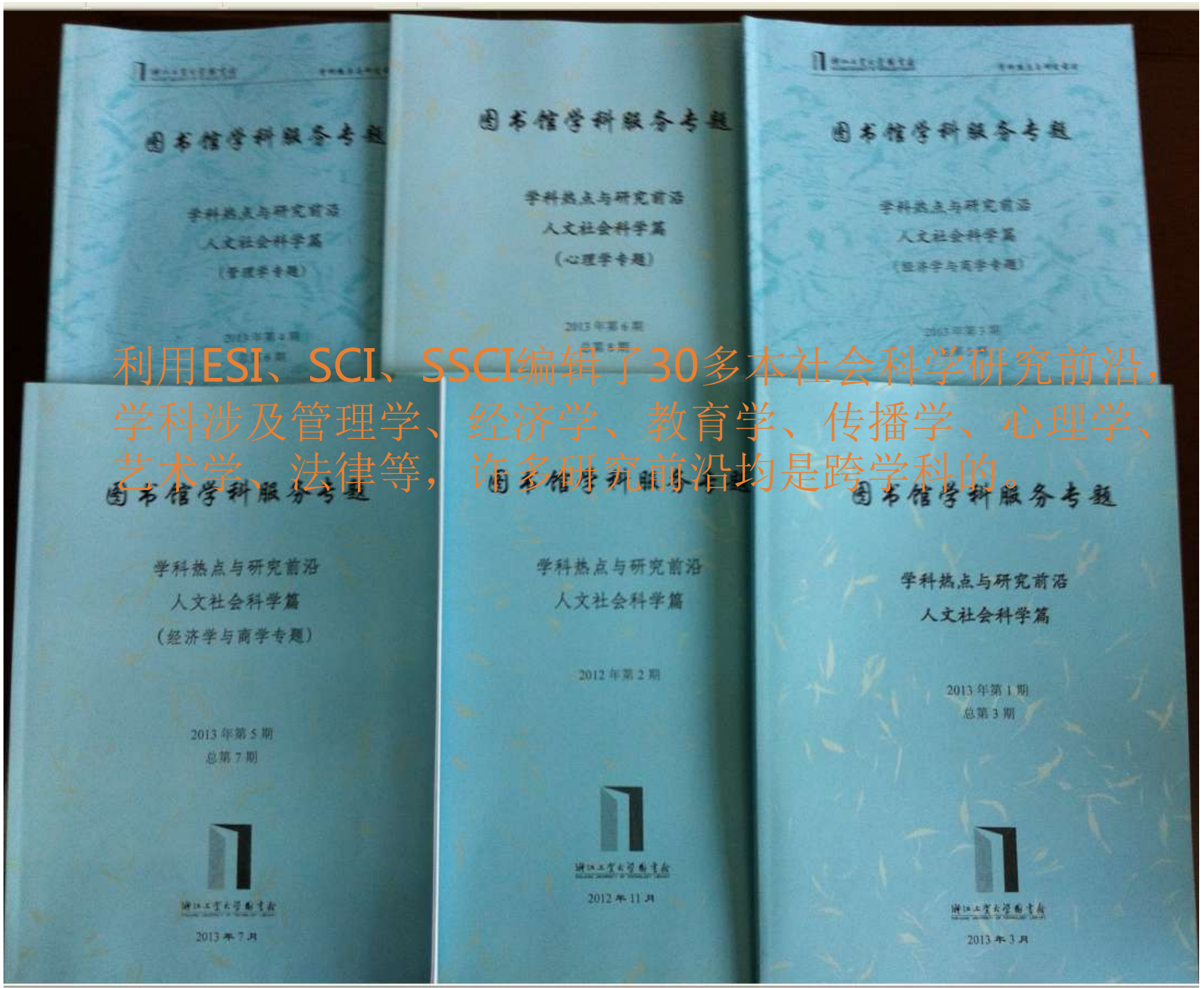
英国： 482

中国： 415

德国： 408

加拿大：299

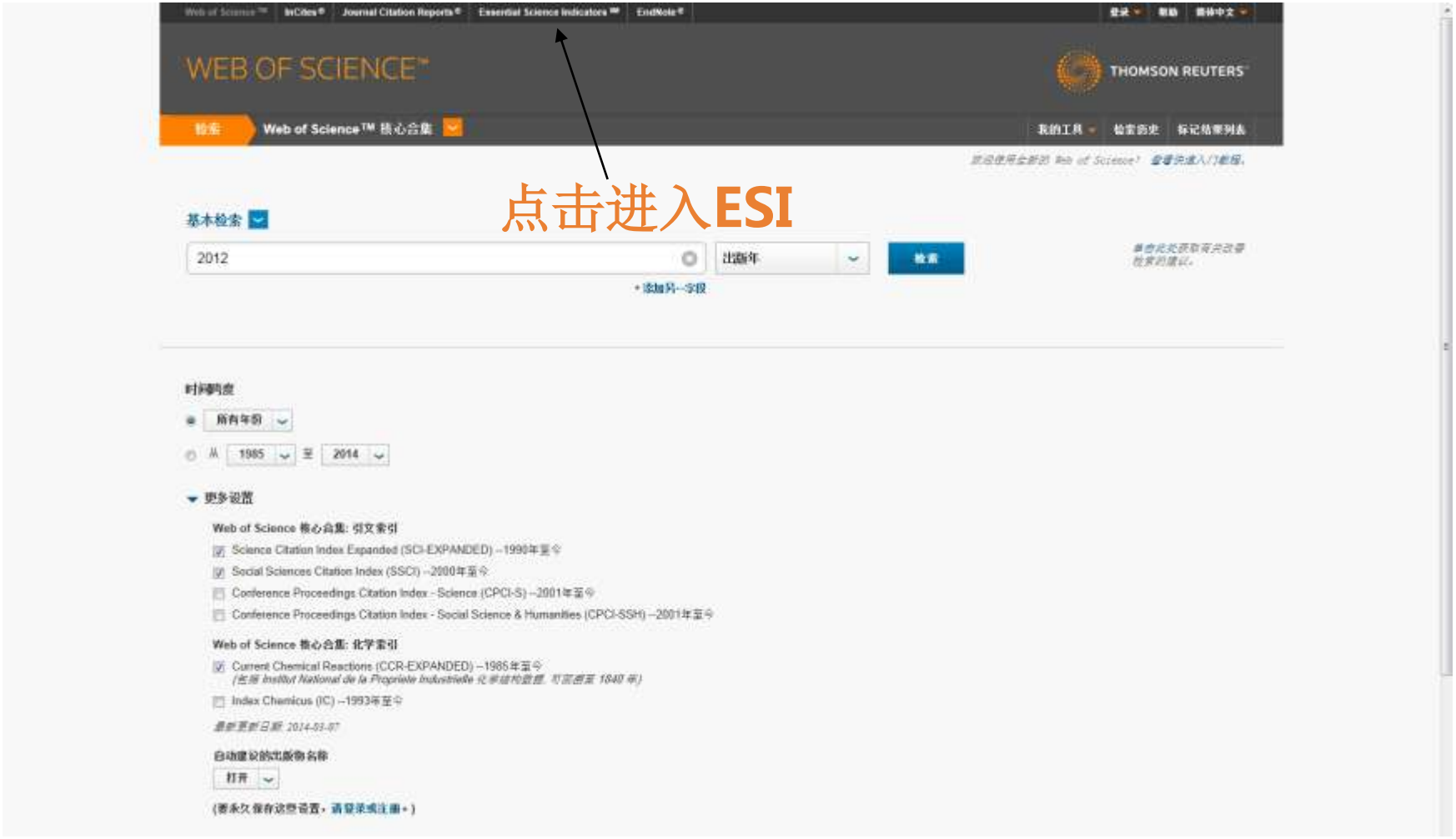
数据来源： 汤森路透的ESI数据库



利用ESI、SCI、SSCI编辑了30多本社会科学研究前沿，学科涉及管理学、经济学、教育学、传播学、心理学、艺术学、法律等，许多研究前沿均是跨学科的。

汤森路透（Thomson Reuters）基本科学指标数据库（Essential Science Indicators，简称ESI）

网址：http://isiknowledge.com/esi



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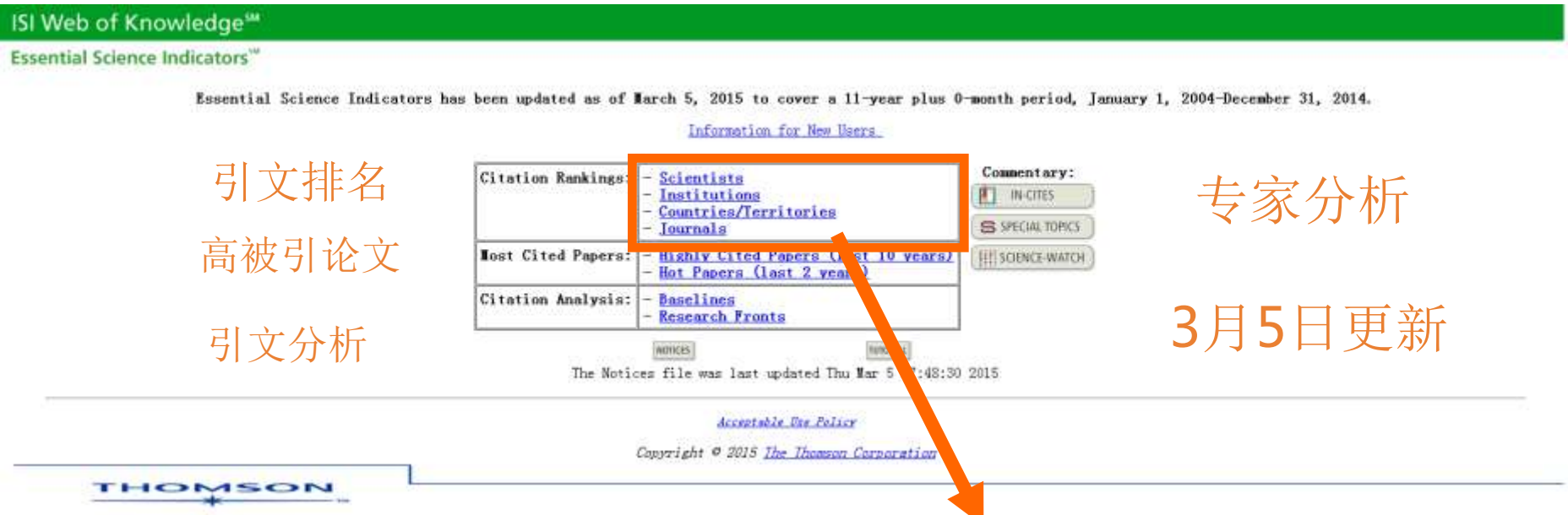
网址：http://isiknowledge.com/esi

2004年1月1日 - 2014年12月31日



引文排名

高被引论文

引文分析

专家分析

3月5日更新

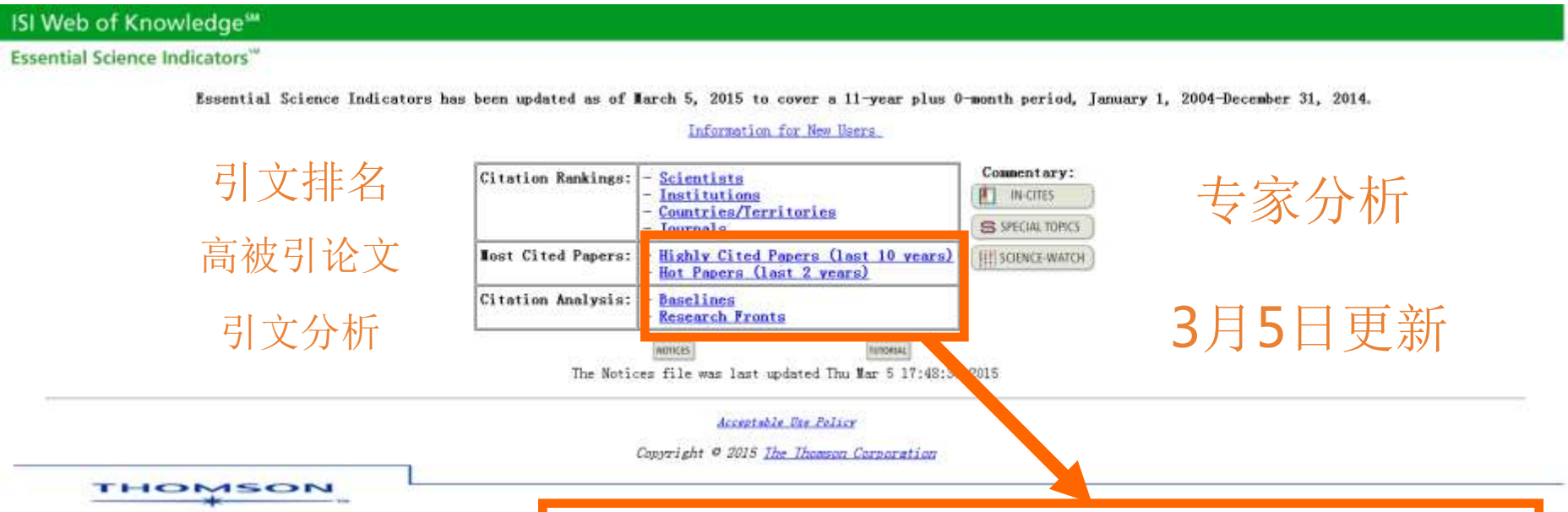
科学家, 机构 – 各学科影响力的前1%

国家/地区, 期刊 – 各学科影响力的前50%

利用著名的科学分析管理工具ESI 确定选题

网址：http://isiknowledge.com/esi

2004年1月1日 - 2014年12月31日



引文排名

高被引论文

引文分析

专家分析

3月5日更新

高影响论文-各学科影响力的前1%

热点论文-各学科影响力的前0.1%

全球各学科论文影响力基准值

研究前沿-各学科影响力的前1%

利用著名的科学分析管理工具ESI 确定选题

- 研究人员可以系统地、有针对性地分析国际科技文献, 从而了解一些著名的科学家、研究机构（或大学）、国家（或区域）和学术期刊在某一学科领域的发展和影响；同时科研管理人员也可以利用该资源找到影响决策分析的基础数据。
- 1、分析特定研究机构、国家、公司和学术期刊的研究绩效和影响力；
  2、在22个专业领域内分别对国家、研究机构、期刊、论文、科学家进行统
- 计分析和排序；
  3、跟踪自然科学和社会科学领域内的研究发展趋势，给出衡量研究绩效的
- 标尺；
  4、评估潜在的合作者、评论家、同行和雇员；
  5、测定特定研究领域的研究产出与影响；
- 6、及时获知各领域内高被引论文和近期最关注的话题；
- 7、通过共引分析方法，揭示各个学科当前的研究前沿，锁定隐含的突破性研究；
- 8、通过引文数据库揭示不同学科发展的趋势。

ESI 22 学科

- Agricultural Sciences
- Biology & Biochemistry
- Chemistry
- Clinical Medicine
- Computer Science
- **Economics & Business**
- Engineering
- Environment/Ecology
- Geosciences
- Immunology
- Materials Science

Mathematics
Microbiology

Molecular Biology & Genetics

Multidisciplinary

Neuroscience & Behavior

Pharmacology & Toxicology

Physics

Plant & Animal Science

Psychiatry/Psychology

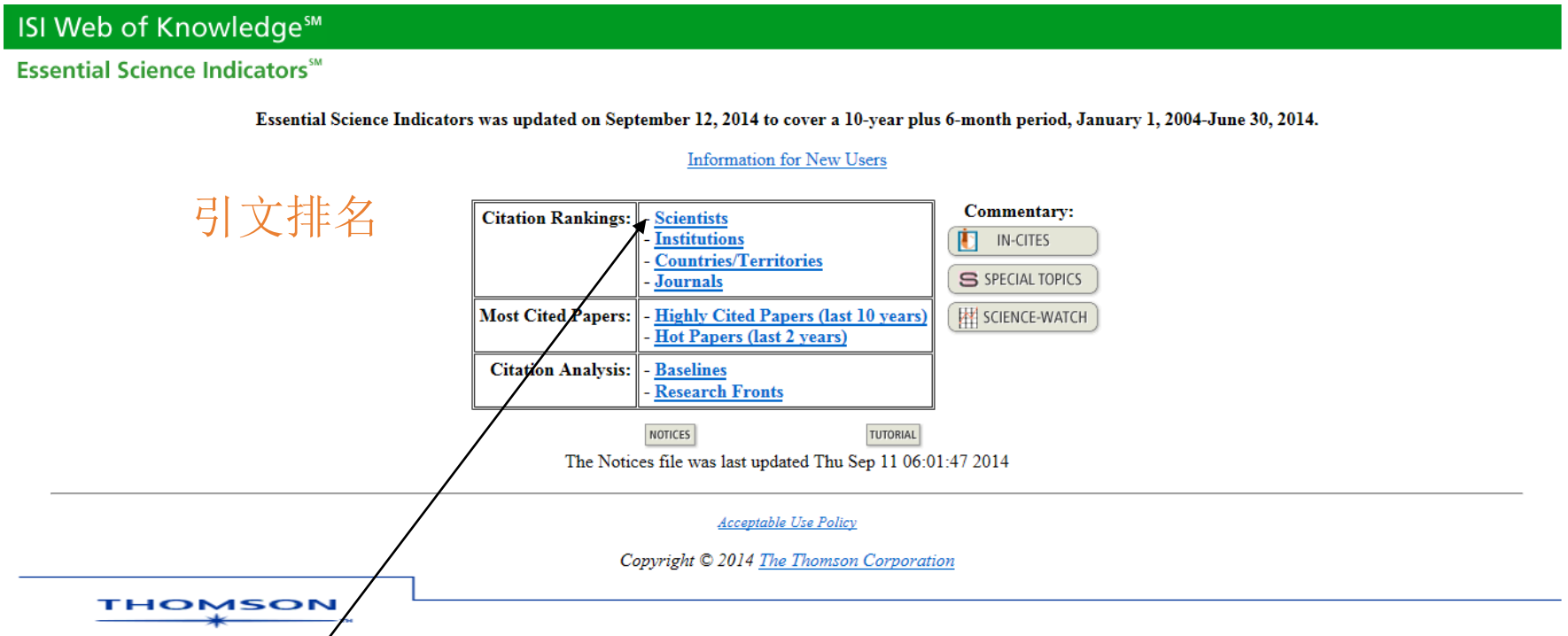
Social Sciences, General

Space Science

如何寻找跨学科领域关键人才?

人才评估与引进—特别是跨学科领军人物

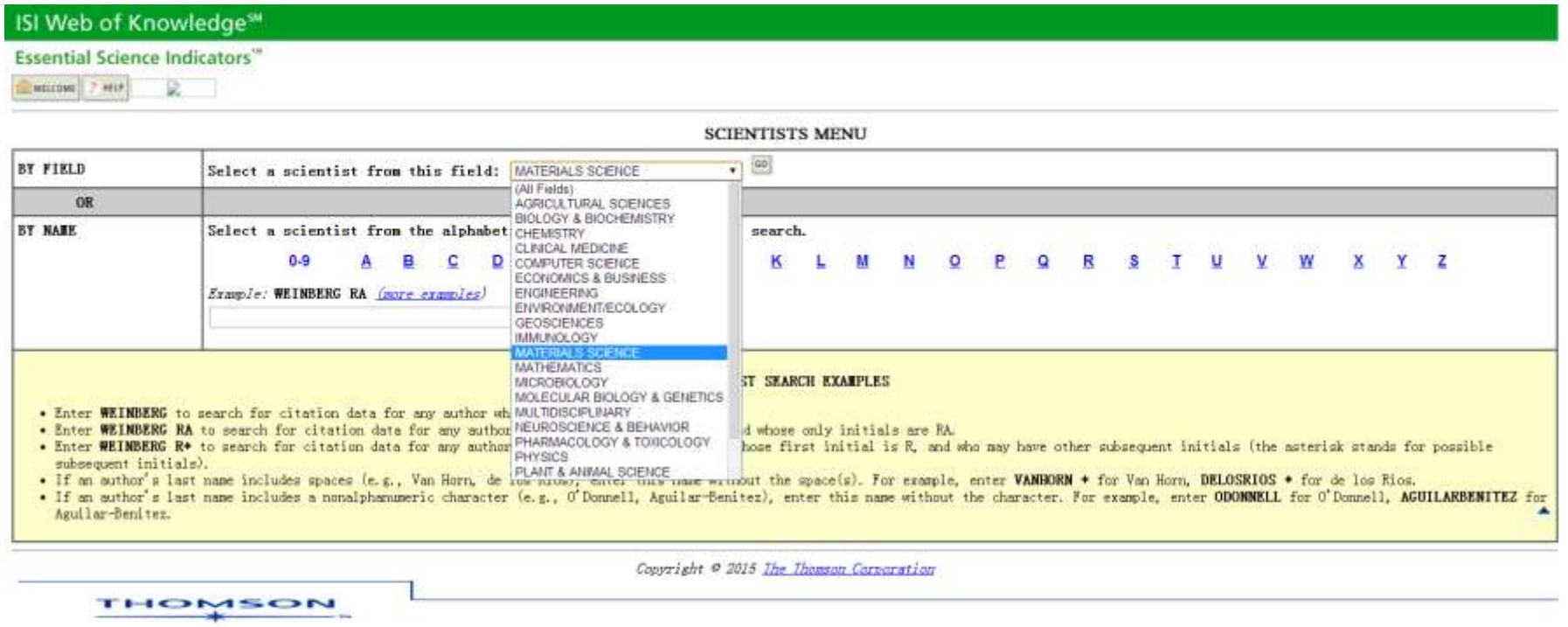
利用ESI寻找材料科学领域关键人才



点击科学家（**Scientists**）–

了解各学科影响力进入全球前1%的科学家

利用ESI寻找材料科学领域关键人才



了解材料科学学科科学家（Scientists）排名

材料科学领域共有4933名科学家进入全球前1%

康斯坦丁•诺沃肖罗夫
（Konstantin Novoselov）

英国曼彻斯特大学

点击了解进入全球前1%论文

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SCIENTIST RANKINGS IN MATERIALS SCIENCE

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1 - 20 (of 4933) [1] | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 Page 1 of 247

	View		Scientist	Papers	Citations	Citations Per Paper
1			WANG, Y	2,886	33,278	11.53
2			ZHANG, Y	2,725	28,058	10.30
3			YANG, Y	1,409	26,850	19.06
4			WANG, J	2,665	26,118	9.80
5			LIU, Y	2,832	24,597	8.69
6			LI, Y	2,242	23,046	10.28
7			LI, J	2,373	22,411	9.44
8			LIU, J	1,617	21,243	13.14
9			ZHANG, J	2,249	19,560	8.70
10			WANG, L	2,002	18,188	9.08
11			ZHANG, H	1,672	17,998	10.76
12			KIM, J	1,516	16,548	10.92
13			WANG, H	1,967	16,501	8.39
14			WANG, X	1,673	16,472	9.85
15			ZHANG, L	2,005	16,430	8.19
16			LI, L	1,562	15,997	10.24
17			NOVOSELOV, KS	17	15,975	939.71
18			GEIM, AK	13	15,923	1,224.85
19			LEE, JH	1,586	14,949	9.43
20			CHEN, J	1,406	14,733	10.48

1 - 20 (of 4933) [1] | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 Page 1 of 247

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材料科学论文总被引频次全球排名第17

安德烈·盖姆（GEIM AK）

平均论文被引15,975次

缺点：同名同姓无法分辨

材料科学领域共有4933名科学家进入全球前1%

12篇论文进入材料科学全球前1%

安德烈·盖姆

康斯坦丁·诺沃肖罗夫

TOP PAPERS FOR NOVOSELOV, KS IN MATERIALS SCIENCE

Sorted by: Citations

1 - 12 (of 12)

Page 1 of 1

1 Citations: 10,904
Title: THE RISE OF GRAPHENE
Authors: GEIM AK, NOVOSELOV KS
Source: NAT MATER 6 (3): 183-191 MAR 2007
Addresses: Univ Manchester, Manchester Ctr Mesosci & Nanotechnol, Manchester M13 9PL, Lancs, England.
Field: MATERIALS SCIENCE

2 Citations: 2,386
Title: DETECTION OF INDIVIDUAL GAS MOLECULES ADSORBED ON GRAPHENE
Authors: SCHEDIN F, GEIM AK, MOROZOV SV, HILL EW, BLAKE P, KATSNELSON MI, NOVOSELOV KS
Source: NAT MATER 6 (9): 652-655 SEP 2007
Addresses: Univ Manchester, Manchester Ctr Mesosci & Nanotechnol, Manchester M13 9PL, Lancs, England; Russian Acad Sci, Inst Microelect Technol, Chernogolovka 142432, Russia; Univ Nijmegen, Inst Mol & Mat, NL-6525 ED Nijmegen, Netherlands.
Field: MATERIALS SCIENCE

3 Citations: 954
Title: MONITORING DOPANTS BY RAMAN SCATTERING IN AN ELECTRONIC [illegible] GRAPHENE TRANSISTOR
Authors: DAS A, PISANA S, CHAKRABORTY B, PISCANEC S, SAHA SK, WAGHMARE UV, NOVOSELOV KS, KRISHNAMURTHY HR, GEIM AK, FERRARI AC, SOOD AK
Source: NAT NANOTECHNOL 3 (4): 210-215 APR 2008
Addresses: [illegible]

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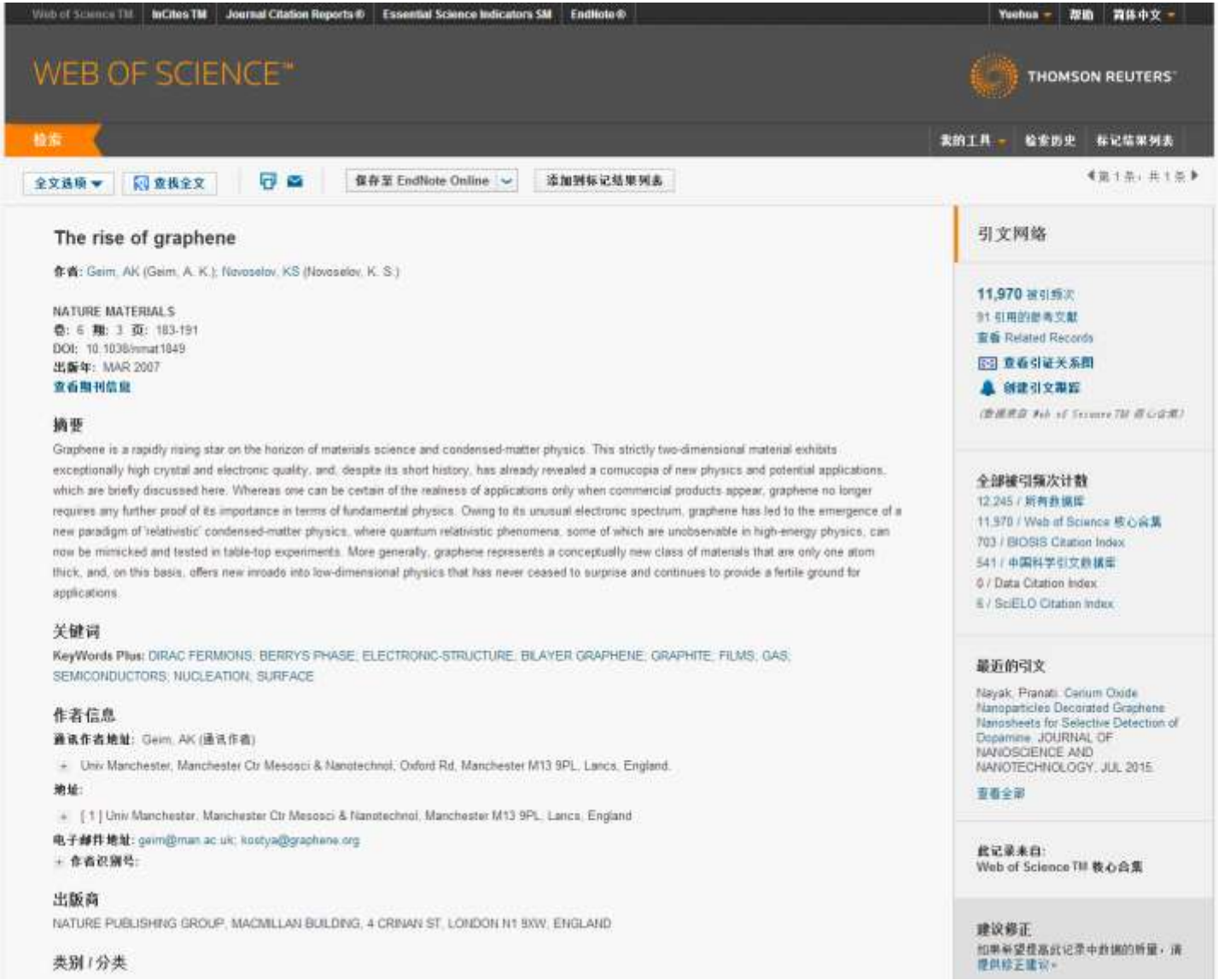
- 英国曼彻斯特大学2位科学家安德烈·盖姆（Andre Geim）和康斯坦丁·诺沃肖罗夫（Konstantin Novoselov）因在二维空间材料石墨烯（graphene）方面的开创性实验而获得2010年诺贝尔物理学奖。

康斯坦丁·诺沃肖罗夫（Konstantin Novoselov）

材料科学领域共有4933名科学家进入全球前1%

安德烈·盖姆、康斯坦丁·诺沃肖罗夫发表的石墨烯（graphene）论文



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The rise of graphene

作者: Geim, AK (Geim, A. K.); Novoselov, KS (Novoselov, K. S.)

NATURE MATERIALS
卷: 6 期: 3 页: 183-191
DOI: 10.1038/nmat1849
出版年: MAR 2007
查看期刊信息

摘要

Graphene is a rapidly rising star on the horizon of materials science and condensed-matter physics. This strictly two-dimensional material exhibits exceptionally high crystal and electronic quality, and, despite its short history, has already revealed a cornucopia of new physics and potential applications, which are briefly discussed here. Whereas one can be certain of the realness of applications only when commercial products appear, graphene no longer requires any further proof of its importance in terms of fundamental physics. Owing to its unusual electronic spectrum, graphene has led to the emergence of a new paradigm of 'relativistic' condensed-matter physics, where quantum relativistic phenomena, some of which are unobservable in high-energy physics, can now be mimicked and tested in table-top experiments. More generally, graphene represents a conceptually new class of materials that are only one atom thick, and, on this basis, offers new inroads into low-dimensional physics that has never ceased to surprise and continues to provide a fertile ground for applications.

关键词

KeyWords Plus: DIRAC FERMIONS; BERRYS PHASE; ELECTRONIC-STRUCTURE; BILAYER GRAPHENE; GRAPHITE; FILMS; GAS; SEMICONDUCTORS; NUCLEATION; SURFACE

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电子邮件地址: geim@man.ac.uk; kostya@graphene.org

+ 作者识别号:

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类别 / 分类

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12,245 / 所有数据库
11,970 / Web of Science 核心合集
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最近的引文

Nayak, Pranati. Cerium Oxide Nanoparticles Decorated Graphene Nanosheets for Selective Detection of Dopamine. JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, JUL 2015.

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建议修正

材料科学领域共有4933名科学家进入全球前1%

康斯坦丁•诺沃肖罗夫（Konstantin Novoselov）

5 **Citations:** 329 RESEARCH FRONT WEB OF SCIENCE

Title: FLUOROGRAPHENE: A TWO-DIMENSIONAL COUNTERPART OF TEFLON

Authors: NAIR RR; REN WC; JALIL R; RIAZ I; KRAVETS VG; BRITNELL L; BLAKE P; SCHEDIN F; MAYOROV AS; YUAN SJ; KATSNELSON MI; CHENG HM; STRUPINSKI W; BULUSHEVA LG; OKOTRUB AV; GRIGORIEVA IV; GRIGORENKO AN; **NOVOSELOV KS**; GEIM AK

Source: SMALL
6 (24): 2877-2884 DEC 20 2010

Addresses: Univ Manchester, Sch Phys & Astron, Manchester M13 9PL, Lancs, England.
Chinese Acad Sci, Inst Met Res, Shenyang Natl Lab Mat Sci, Shenyang 110016, Peoples R China.
Radboud Univ Nijmegen, Inst Mol & Mat, NL-6525 AD Nijmegen, Netherlands.
Inst Elect Mat Technol, PL-01919 Warsaw, Poland.
SB RAS, Nikolaev Inst Inorgan Chem, Novosibirsk 630090, Russia.

Field: MATERIALS SCIENCE

热点论文

石墨烯（graphene）

6 **Citations:** 160 HOT PAPER RESEARCH FRONT WEB OF SCIENCE

Title: VERTICAL FIELD-EFFECT TRANSISTOR BASED ON GRAPHENE-WS2 HETEROSTRUCTURES FOR FLEXIBLE AND TRANSPARENT ELECTRONICS

Authors: GEORGIOU T; JALIL R; BELLE BD; BRITNELL L; GORBACHEV RV; MOROZOV SV; KIM YJ; GHOLINIA A; HAIGH SJ; MAKAROVSKY O; EAVES L; PONOMARENKO LA; GEIM AK; **NOVOSELOV KS**; MISHCHENKO A

Source: NAT NANOTECHNOL
8 (2): 100-103 FEB 2013

《自然纳米技术》

Addresses: Univ Manchester, Sch Phys & Astron, Manchester M13 9PL, Lancs, England.
Univ Manchester, Manchester Ctr Mesosci & Nanotechnol, Manchester M13 9PL, Lancs, England.
Inst Microelect Technol RAS, Chernogolovka 142432, Russia.
Seoul Natl Univ, Coll Nat Sci, Dept Chem, Seoul 151747, South Korea.
Univ Manchester, Ctr Mat Sci, Manchester M1 7HS, Lancs, England.
Univ Nottingham, Sch Phys & Astron, Nottingham NG7 2RD, England.

Field: MATERIALS SCIENCE

7 **Citations:** 128 RESEARCH FRONT WEB OF SCIENCE

Title: HUNTING FOR MONOLAYER BORON NITRIDE: OPTICAL AND RAMAN SIGNATURES

Authors: GORBACHEV RV; RIAZ I; NAIR RR; JALIL R; BRITNELL L; BELLE BD; HILL EW; **NOVOSELOV KS**; WATANABE K; TANIGUCHI T; GEIM AK; BLAKE P

Source: SMALL
7 (4): 465-468 FEB 18 2011

Addresses: Univ Manchester, Ctr Mesosci & Nanotechnol, Manchester M13 9PL, Lancs,
Natl Inst Mat Sci, Tsukuba, Ibaraki 3050044, Japan.

Field: MATERIALS SCIENCE

高被引论文 （Highly Cited Papers）
最近10年发表的论文，总被引次数与同年度，同学科发表论文相比排名前1%的论文。

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（Konstantin Novoselov）

英国曼彻斯特大学

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SCIENTIST RANKINGS IN MATERIALS SCIENCE

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Sorted by: Citations SORT AGAIN

1 - 20 (of 4933) [1] 2 3 4 5 6 7 8 9 10 Page 1 of 247

	View		Scientist	Papers	Citations	Citations Per Paper
1			WANG, Y	2,886	33,278	11.53
2			ZHANG, Y	2,725	28,058	10.30
3			YANG, Y	1,409	26,850	19.06
4			WANG, J	2,665	26,118	9.80
5			LIU, Y	2,832	24,597	8.69
6			LI, Y	2,242	23,046	10.28
7			LI, J	2,373	22,411	9.44
8			LIU, J	1,617	21,243	13.14
9			ZHANG, J	2,249	19,560	8.70
10			WANG, L	2,002	18,188	9.08
11			ZHANG, H	1,672	17,998	10.76
12			KIM, J	1,516	16,548	10.92
13			WANG, H	1,967	16,501	8.39
14			WANG, X	1,673	16,472	9.85
15			ZHANG, L	2,005	16,430	8.19
16			LI, L	1,562	15,997	10.24
17			NOVOSELOV, KS	17	15,975	939.71
18			GEIM, AK	13	15,923	1,224.85
19			LEE, JH	1,586	14,949	9.43
20			CHEN, J	1,406	14,733	10.48

1 - 20 (of 4933) [1] 2 3 4 5 6 7 8 9 10 Page 1 of 247

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平均论文被引15,975次

安德烈·盖姆

缺点：同名同姓无法分辨

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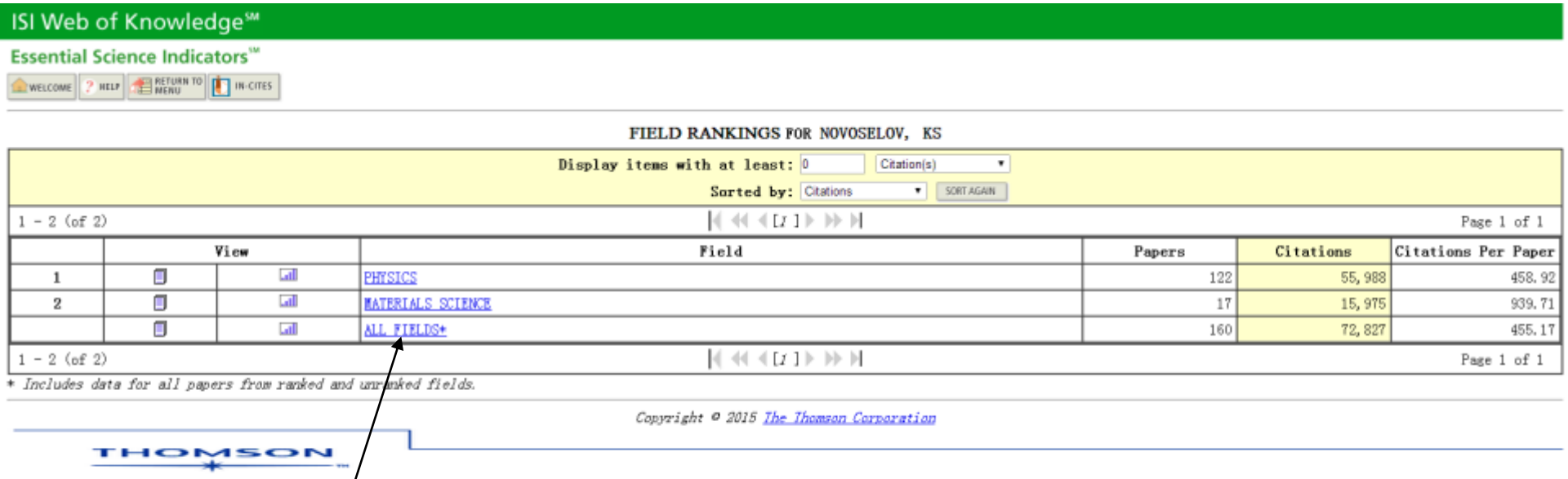

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1 - 2 (of 2) [1] Page 1 of 1

	View		Field	Papers	Citations	Citations Per Paper
1			PHYSICS	122	55,988	458.92
2			MATERIALS SCIENCE	17	15,975	939.71
			ALL FIELDS*	160	72,827	455.17

1 - 2 (of 2) [1] Page 1 of 1

* Includes data for all papers from ranked and unranked fields.

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点击了解该学者全球排名情况

160篇论文进入ESI的物理、材料科学等领域

共有82801名科学家论文总被引次数进入全球前1%

康斯坦丁•诺沃肖罗夫（Konstantin Novoselov）

论文总被引次数全球排名132

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Sorted by: Citations SORT AGAIN

121 - 140 (of 82801) [1] | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 Page 7 of 4141

	View		Scientist	Papers	Citations	Citations Per Paper
121			TAKAHASHI, K	5,157	75,480	14.64
122			NAKAMURA, Y	4,811	75,329	15.66
123			KIM, YS	6,953	74,787	10.76
124			TAKAHASHI, H	5,119	74,330	14.52
125			WANG, K	6,217	74,232	11.94
126			KIM, D	6,422	74,099	11.54
127			KUMAR, R	6,756	73,908	10.94
128			RANERIER, S	4,664	73,325	15.72
129			KOBAYASHI, Y	5,610	73,251	13.06
130			LIU, M	7,023	73,248	10.43
131			ZHANG, F	6,078	72,965	12.00
132			NOVOSELOV, KS	160	72,827	455.17
133			SATO, K	5,797	72,774	12.55
134			WATANABE, M	5,119	72,250	14.11
135			SATO, T	6,089	72,243	11.86
136			WATANABE, T	5,594	71,439	12.77
137			KIM, SI	7,440	71,299	9.58
138			LI, N	6,299	71,094	11.29
139			CHEN, M	5,647	70,633	12.51
140			LI, F	6,356	69,638	10.96

121 - 140 (of 82801) [1] | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 Page 7 of 4141

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TOP PAPERS FOR NOVOSELOV, KS IN (ALL FIELDS)

Sorted by: Citations

1 - 20 (of 70) | 1 | 2 | 3 | 4 | Page 1 of 4

1 Citations: 15,048

Title: ELECTRIC FIELD EFFECT IN ATOMICALLY THIN CARBON FILMS

Authors: NOVOSELOV KS, GEIM AK, MOROZOV SV, JIANG D, ZHANG Y, DUBONOS SV, GRIGORIEVA IV, FIRSOV AA

Source: SCIENCE
306 (5696): 666-669 OCT 22 2004

Addresses: Univ Manchester, Dept Phys, Manchester M13 9PL, Lancs, England
Russian Acad Sci, Inst Microelect Technol, Chernogolovka 142432, Russia

Field: PHYSICS

2 Citations: 10,904

Title: THE RISE OF GRAPHENE

Authors: GEIM AK, NOVOSELOV KS

Source: NAT MATER
6 (3): 183-191 MAR 2007

Addresses: Univ Manchester, Manchester Ctr Mesosci & Nanotechnol, Manchester M13 9PL, Lancs, England

Field: MATERIALS SCIENCE

3 Citations: 7,162

Title: TWO-DIMENSIONAL GAS OF MASSLESS DIRAC FERMIONS IN GRAPHENE

Authors: NOVOSELOV KS, GEIM AK, MOROZOV SV, JIANG D, KATSNELSON MI, GRIGORIEVA IV, DUBONOS SV, FIRSOV AA

Source: NATURE
438 (7065): 197-200 NOV 10 2005

Addresses: Univ Manchester, Manchester Ctr Mesosci & Nanotechnol, Manchester M13 9PL, Lancs, England

学科涉及物理学、材料科学、化学三个研究领域

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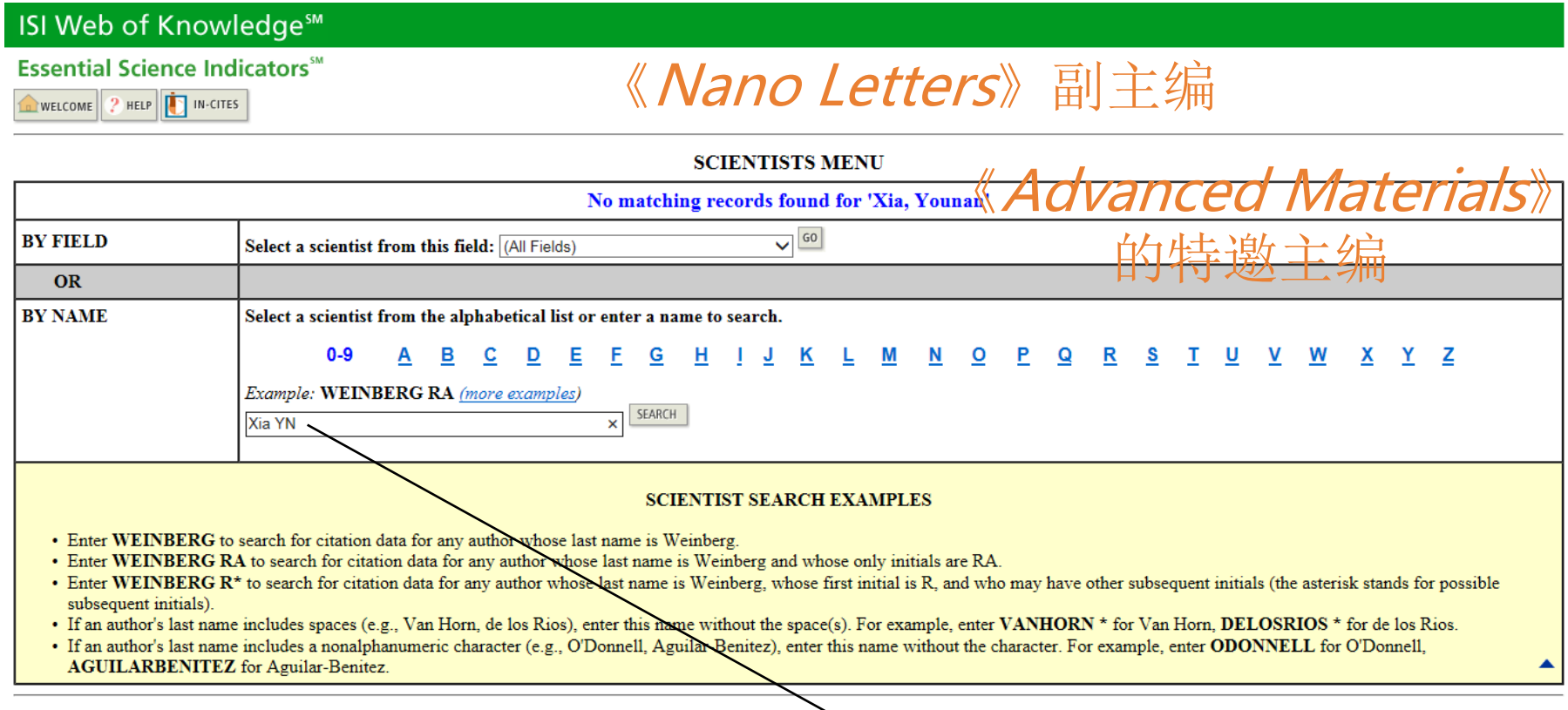

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《*Advanced Materials*》的特邀主编

输入：Xia YN

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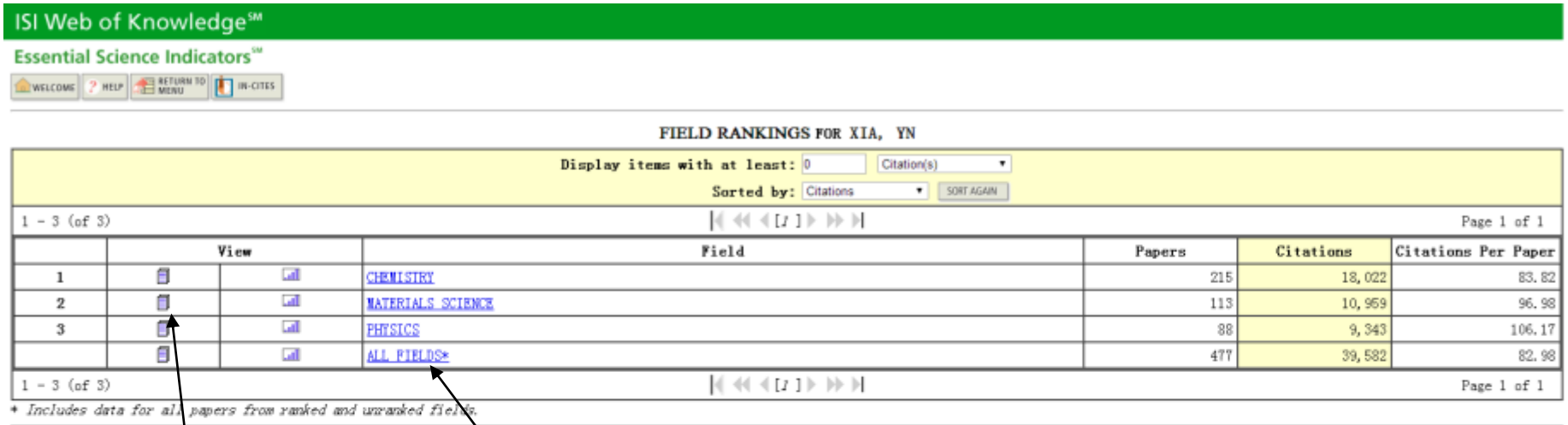

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1 - 3 (of 3)　　Page 1 of 1

	View		Field	Papers	Citations	Citations Per Paper
1			CHEMISTRY	215	18,022	83.82
2			MATERIALS SCIENCE	113	10,959	96.98
3			PHYSICS	88	9,343	106.17
			ALL FIELDS*	477	39,582	82.98

1 - 3 (of 3)　　Page 1 of 1

* Includes data for all papers from ranked and unranked fields.

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TOP PAPERS FOR XIA, YN IN MATERIALS SCIENCE

Sorted by: Citations SORT AGAIN

1 - 20 (of 31) [1 | 2] Page 1 of 2

1 Citations: 2,200

Title: ELECTROSPINNING OF NANOFIBERS: REINVENTING THE WHEEL?

Authors: LI D; XIA YN

Source: ADVAN MATER
16 (14): 1151-1170 JUL 19 2004

Addresses: Univ Washington, Dept Chem, Seattle, WA 98195 USA.

Field: MATERIALS SCIENCE

2 Citations: 462

Title: SUPERPARAMAGNETIC COLLOIDS: CONTROLLED SYNTHESIS AND NICHE APPLICATIONS

Authors: JEONG U; TENG XW; WANG Y; YANG H; XIA YN

Source: ADVAN MATER
19 (1): 33-60 JAN 8 2007

Addresses: Univ Rochester, Dept Chem Engn, Rochester, NY 14627 USA.
Univ Washington, Dept Chem, Seattle, WA 98195 USA.

Field: MATERIALS SCIENCE

3 Citations: 410

Title: GOLD NANOCAGES COVERED BY SMART POLYMERS FOR CONTROLLED RELEASE WITH NEAR-INFRARED LIGHT

Authors: YAVUZ MS; CHENG YY; CHEN JY; COBLEY CM; ZHANG Q; RYCENGA M; XIE JW; KIM C; SONG KH; SCHWARTZ AG; WANG LHV; XIA YN

Source: NAT MATER
8 (12): 935-939 DEC 2009

Addresses: Washington Univ, Dept Biomed Engn, St Louis, MO 63130 USA.

Field: MATERIALS SCIENCE

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SCIENTIST RANKINGS IN MATERIALS SCIENCE

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41 - 60 (of 4933) [1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10] Page 3 of 247

	View		Scientist	Papers	Citations	Citations Per Paper
41			KIM, S	1,167	10,983	9.41
42			XIA, YN	113	10,959	96.98
43			LEE, SH	1,102	10,912	9.90
44			HUANG, Y	805	10,910	13.55
45			YANG, H	1,200	10,910	9.09
46			LEE, IY	616	10,802	17.54
47			LEE, K	467	10,777	23.08
48			ZHOU, Y	1,171	10,740	9.17
49			WANG, Q	1,227	10,673	8.70
50			PARK, JH	753	10,635	14.12
51			WANG, H	1,104	10,466	9.48
52			ZHAO, Y	983	10,333	10.51
53			CHEN, L	1,066	10,331	9.69
54			LI, Z	862	10,187	11.82
55			LANGDON, TG	359	10,019	27.91
56			LIU, L	1,317	9,863	7.49
57			ANTONIETTI, M	135	9,748	72.21
58			LI, C	800	9,655	12.07
59			LI, X	1,088	9,611	8.83
60			ZHANG, W	1,048	9,572	9.13

41 - 60 (of 4933) [1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10] Page 3 of 247

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夏幼南(Xia Younan)

论文总被引次数全球排名432

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421 - 440 (of 82801) [21] 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 Page 22 of 4141

	View		Scientist	Papers	Citations	Citations Per Paper
421			CHEN, R	2,677	39,958	14.93
422			ITO, H	3,142	39,958	12.72
423			IAIN, S	2,659	39,940	15.02
424			PARK, SY	3,575	39,912	11.16
425			XU, Q	3,449	39,907	11.57
426			GAO, T	3,876	39,825	10.27
427			SCHNEIDER, DP	483	39,774	82.35
428			YANG, Y	4,146	39,680	9.57
429			KIM, DW	3,055	39,649	12.98
430			DING, L	1,775	39,609	22.31
431			CHEN, XM	2,652	39,598	14.93
432			XIA, YN	477	39,582	82.98
433			KATO, K	3,479	39,575	11.38
434			BAI, Y	2,698	39,546	14.66
435			XU, M	3,237	39,531	12.21
436			YOSHIDA, S	2,586	39,433	15.25
437			PATEL, S	1,855	39,417	21.25
438			TAKAHASHI, S	3,380	39,337	11.64
439			XU, Z	3,124	39,204	12.55
440			ZHOU, Q	3,429	39,198	11.43

421 - 440 (of 82801) [21] 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 Page 22 of 4141

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夏幼南（Xia Younan）108篇高被引论文

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TOP PAPERS FOR XIA, YN IN (ALL FIELDS)

Sorted by: Citations

1 - 20 (of 108)

Page 1 of 6

1 Citations: 2,200

Title: ELECTROSPINNING OF NANOFIBERS: REINVENTING THE WHEEL?

Authors: LI D. XIA YN

Source: ADVAN MATER
16 (14): 1151-1170 JUL 19 2004

Addresses: Univ Washington, Dept Chem, Seattle, WA 98195 USA.

Field: MATERIALS SCIENCE

2 Citations: 1,606

Title: SHAPE-CONTROLLED SYNTHESIS OF METAL NANOCRYSTALS: SIMPLE CHEMISTRY MEETS COMPLEX PHYSICS?

Authors: XIA YN. XIONG YJ. LIM B. SKRABALAK SE

Source: ANGEW CHEM INT ED
48 (1): 60-103 2009

Addresses: Washington Univ, Dept Biomed Engn, St Louis, MO 63130 USA.
Univ Washington, Dept Chem, Seattle, WA 98195 USA.

Field: CHEMISTRY

3 Citations: 1,017

Title: PD-PT BIMETALLIC NANODENDRITES WITH HIGH ACTIVITY FOR OXYGEN REDUCTION

Authors: LIM B. JIANG MJ. CAMARGO PHC. CHO EC. TAO J. LU XM. ZHU YM. XIA YN

Source: SCIENCE
324 (5932): 1302-1305 JUN 5 2009

学科涉及化学、材料科学、
物理学三个研究领域

追踪学科前沿——热点论文

- 热点论文（Hot Papers）：由汤森路透（Thomson Reuters）每两个月根据引文数量统计的22个学科的热点论文。这些论文是最近两年内发表且被引频次在最近两个月内排名达到各学科领域的前0.1%。

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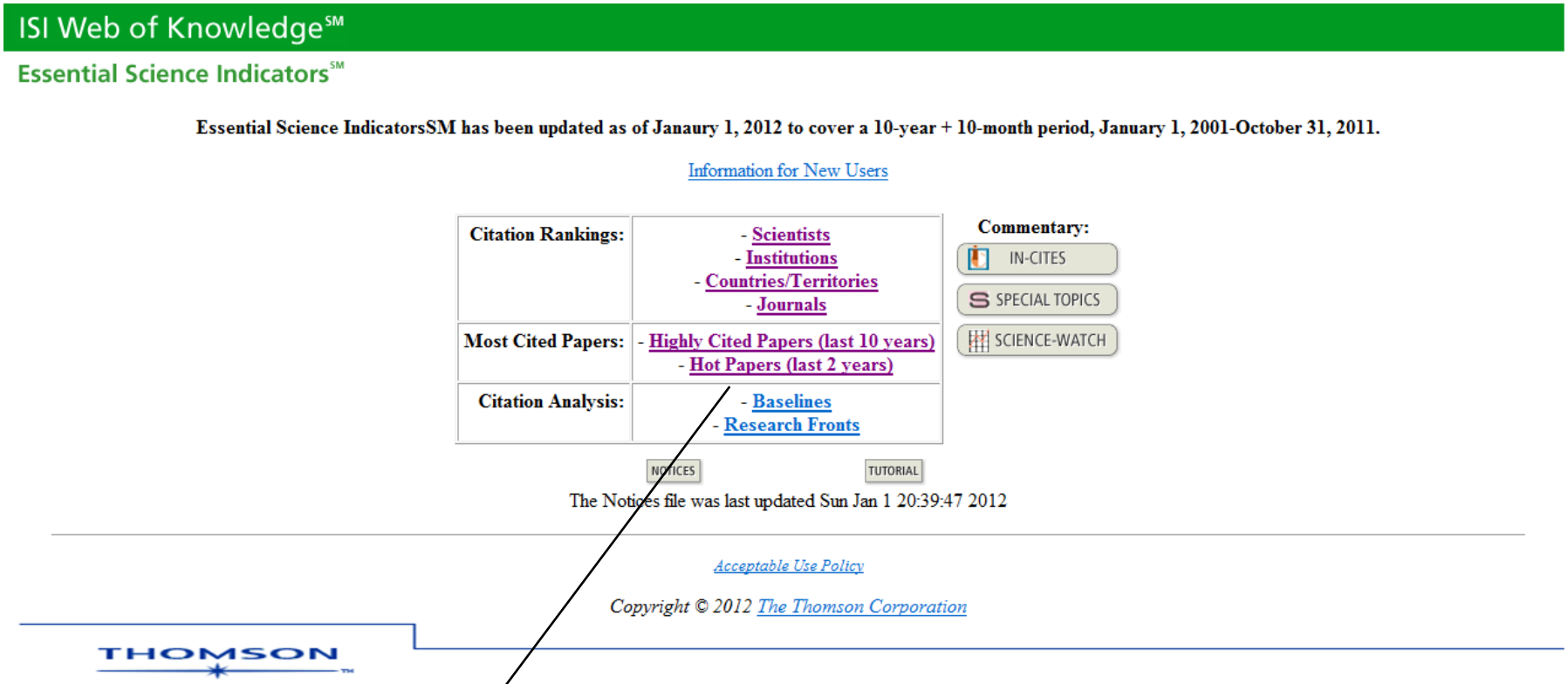

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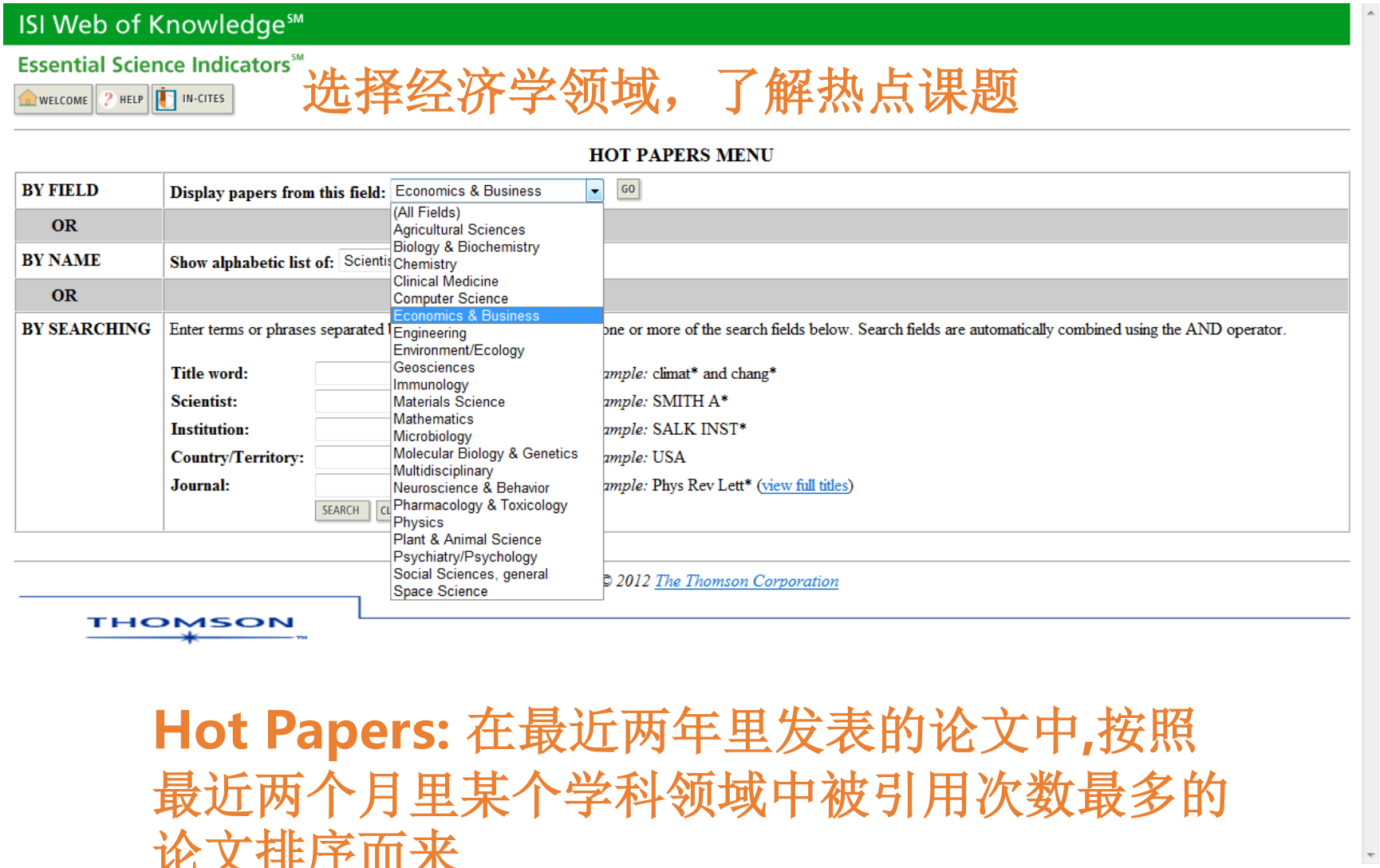

Hot Papers: 在最近两年里发表的论文中,按照最近两个月里某个学科领域中被引用次数最多的论文排序而来

3月5日更新

追踪经济学学科前沿——热点论文

利用ESI检索到经济学学科有54篇进入热点论文（Hot Papers）

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HOT PAPERS IN ECONOMICS & BUSINESS

Sorted by: Citations | SORT AGAIN

1 - 20 (of 54) | 1 | 2 | 3 | Page 1 of 3

1 Citations: 42

Title: GWAS OF 126,559 INDIVIDUALS IDENTIFIES GENETIC VARIANTS ASSOCIATED WITH EDUCATIONAL ATTAINMENT

Authors: RIETVELD CA; MEDLAND SE; DERRINGER J; YANG J; ESKO T; MARTIN NW; WESTRA HJ; SHAKHBAZOV K; ABDELLAOUI A; AGRAWAL A; ALBRECHT E; ALIZADEH BZ; AMIN N; BARNARD J; BAUMEISTER SE; BENKE KS; BIELAK LF; BOATMAN JA; BOYLE PA; DAVIES G; DE LEEUW C; EKLUND N; EVANS DS; FERHMANN R; FISCHER K; GIEGER C; GJESSING HK; HAGG S; HARRIS JR; HAYWARD C; HOLZAPFEL C; IBRAHIM-VERBAAS CA; INGELSSON E; JACOBSSON B; JOSHI PK; JUGESSUR A; KAAKINEN M; KANONI S; KARJALAINEN J; KOLCIC I; KRISTIANSSON K; KUTALIK Z; LAHTI J; LEE SH; LIN P; LIND PA; LIU YM; LOHMAN K; LOITFELDER M; MCMAHON G; VIDAL PM; MEIRELLES O; MILANI L; MYHRE R; NUOTIO ML; OLDMEADOW CJ; PETROVIC KE; PEYROT WJ; POLASEK O; QUAYE L; REINMAA E; RICE JP; RIZZI TS; SCHMIDT H; SCHMIDT R; SMITH AV; SMITH JA; TANAKA T; TERRACCIANO A; VAN DER LOOS MJHM; VITART V; VOLZKE H; WELLMANN J; YU L; ZHAO W; ALLIK J; ATTIA JR; BANDINELLI S; BASTARDOT F; BEAUCHAMP J; BENNETT DA; BERGER K; BIERUT LJ; BOOMSMA DI; BULTMANN U; CAMPBELL H; CHARRIS CF; CHERKAS L; CHUNG MK; CUCCA F; DE ANDRADE M; DE JAGER PL; DE NEVE JB; DEARY IJ; DEDOUSSIS GV; DELOUKAS P; DIMITRIOU M; EIRIKSDOTTIR G; ELDERSON MF; ERIKSSON JG; EVANS DM; FAUL JD; FERRUCCI L; GARCIA ME; GRONBERG H; GUDNASON V; HALL P; HARRIS JM; HARRIS TB; HASTIE ND; HEATH AC; HERNANDEZ DG; HOFFMANN W; HOFMAN A; HOLLE R; HOLLIDAY EG; HOTTENGA JJ; IACONO WG; ILLIG T; JARVELIN MR; KAHONEN M; KAPRIO J; KIRKPATRICK RM; KOWGIER M; LATVALA A; LAUNER LJ; LAWLOR DA; LEHTIMAKI T; LI J; LICHTENSTEIN P; LICHTNER P; LIEWALD DC; MADDEN PA; MAGNUSSON PKE; MAKINEN TE; MASALA M; MCGUE M; METSPALU A; MIELCK A; MILLER MB; MONTGOMERY GW; MUKHERJEE S; MYCHLEJ DR; NAUCK M; PALMER LJ; PALOTIE A; PENNINX BWJH; PEROLA M; PEYSER PA; PREISIG M; RAIKKONEN K; RAITAKARI OT; REALO A; RING SM; RIPATTI S; RIVADENEIRA F; RUDAN I; RUSTICHINI A; SALOMAA V; SARIN AP; SCHLESSINGER D; SCOTT RJ; SNIEDER H; ST POURCAIN B; STARR JM; SUL JH; SURAKKA I; SVENTO R; TEUMER A; TIEMEIER H; VAN ROOIJ FJA; VAN WAGONER DR; VARTIAINEN E; VIIKARI J; VOLLENWEIDER P; VONK JM; WAEBER G; WEIR DR; WICHMANN HE; WIDEN E; WILLEMSEN G; WILSON JF; WRIGHT AF; CONLEY D; DAVEY-SMITH G; FRANKE L; GROENEN PJF; HOFMAN A; JOHANNESSON M; KARDIA SLR; KRUEGER RF; LAIBSON D; MARTIN NG; MEYER MN; POSTHUMA D; THURIK AR; TIMPSON NJ; UITTERLINDEN AG; VAN DUIJN CM; VISSCHER PM; BENJAMIN DJ; CESARINI D; KOELLINGER PD

Source: SCIENCE 340 (6139): 1467-1471 JUN 21 2013

Addresses:
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Univ Queensland, Sch Psychol, Brisbane, Qld 4072, Australia.
Univ Groningen, Univ Med Ctr Groningen, Dept Genet, NL-9713 GZ Groningen, Netherlands.
Univ Queensland, Queensland Brain Inst, Brisbane, Qld 4072, Australia.
Vrije Univ Amsterdam, Dept Biol Psychol, NL-1081 BT Amsterdam, Netherlands.
Washington Univ, Dept Psychiat, Sch Med, St Louis, MO 63110 USA.
German Res Ctr Environm Hlth, Helmholtz Zentrum Munchen, Inst Genet Epidemiol, D-85764 Neuherberg, Germany.
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Univ Minnesota, Div Biostat, Minneapolis, MN 55455 USA.

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HOT PAPERS IN ENGINEERING

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1 - 20 (of 232) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Page 1 of 12

1 Citations: 249

Title: SOLAR CELL EFFICIENCY TABLES (VERSION 41)

Authors: GREEN MA; EMERY K; HISHIKAWA Y; WARTA W; DUNLOP ED

Source: PROG PHOTOVOLTAICS 21 (1): 1-11 JAN 2013

Addresses: Univ New S Wales, Australian Ctr Adv Photovolta, Sydney, NSW 2052, Australia.
Natl Renewable Energy Lab, Golden, CO 80401 USA.
Natl Inst Adv Ind Sci & Technol, Res Ctr Photovolta RCPV, Tsukuba, Ibaraki 3058568, Japan.
Fraunhofer Inst Solar Energy Syst, Dept Solar Cells Mat & Technol, D-79110 Freiburg, Germany.
Commiss European Communities, Joint Res Ctr, Renewable Energy Unit, Inst Energy, IT-21027 Ispra, VA, Italy.

Field: ENGINEERING

2 Citations: 198

Title: THIN FILM SOLAR CELL WITH 8.4% POWER CONVERSION EFFICIENCY USING AN EARTH-ABUNDANT CU2ZNSNS4 ABSORBER

Authors: SHIN B; GUNAWAN O; ZHU Y; BOJARCZUK NA; CHEY SJ; GUHA S

Source: PROG PHOTOVOLTAICS 21 (1): 72-76 JAN 2013

Addresses: IBM Corp, Thomas J Watson Res Ctr, Yorktown Hts, NY 10598 USA.

Field: ENGINEERING

3 Citations: 170

Title: SOLAR CELL EFFICIENCY TABLES (VERSION 42)

Authors: GREEN MA; EMERY K; HISHIKAWA Y; WARTA W; DUNLOP ED

Source: PROG PHOTOVOLTAICS 21 (5): 827-837 AUG 2013

Addresses: Univ New S Wales, Australian Ctr Adv Photovolta, Sydney, NSW 2052, Australia.
Natl Renewable Energy Lab, Golden, CO 80401 USA.
Natl Inst Adv Ind Sci & Technol, Res Ctr Photovolta RCPV, Tsukuba, Ibaraki 3058568, Japan.
Fraunhofer Inst Solar Energy Syst, Solar Cells Mat & Technol Dept, D-79110 Freiburg, Germany.
European Commiss Joint Res Ctr, Renewable Energy Unit, Inst Energy, IT-21027 Ispra, Italy.

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1 Citations: 666

Title: A POLYMER TANDEM SOLAR CELL WITH 10.6% POWER CONVERSION EFFICIENCY

Authors: YOU JB; DOU LT; YOSHIMURA K; KATO T; OHYA K; MORIARTY T; EMERY K; CHEN CC; GAO J; LI G; YANG Y

Source: NAT COMMUN 4: - FEB 2013

Addresses: Univ Calif Los Angeles, Dept Mat Sci & Engn, Los Angeles, CA 90095 USA.
Sumitomo Chem Co Ltd, Tsukuba Mat Dev Lab, Tsukuba, Ibaraki 3003294, Japan.
Natl Renewable Energy Lab, Golden, CO 80401 USA.
Univ Calif Los Angeles, Calif Nanosyst Inst, Los Angeles, CA 90095 USA.

Field: MATERIALS SCIENCE

2 Citations: 269

Title: CARBON NANOTUBES: PRESENT AND FUTURE COMMERCIAL APPLICATIONS

Authors: DE VOLDER MFL; TAWFICK SH; BAUGHMAN RH; HART AJ

Source: SCIENCE 339 (6119): 535-539 FEB 1 2013

Addresses: IMEC, B-3001 Heverlee, Belgium.
KULeuven, Dept Mech Engn, B-3000 Louvain, Belgium.
Harvard Univ, Sch Engn & Appl Sci, Cambridge, MA 02138 USA.
Univ Michigan, Dept Mech Engn, Ann Arbor, MI 48109 USA.
MIT, Dept Mech Engn, Cambridge, MA 02139 USA.
Univ Texas Dallas, Alan G MacDiarmid NanoTech Inst, Richardson, TX 75083 USA.
Univ Texas Dallas, Dept Chem, Richardson, TX 75083 USA.

Field: MATERIALS SCIENCE

3 Citations: 267

Title: BEYOND 11% EFFICIENCY: CHARACTERISTICS OF STATE-OF-THE-ART CU2ZNSN(S,SE)(4) SOLAR CELLS

Authors: TODOROV TK; TANG J; BAG S; GUNAWAN O; GOKMEN T; ZHU Y; MITZI DB

Source: ADV ENERGY MATER 3 (1): 34-38 JAN 2013

Addresses: IBM TJ Watson Res Ctr, Yorktown Hts, NY 10598 USA.

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1 - 20 (of 142) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Page 1 of 8

1 Citations: 362

Title: THE PROTEOMICS IDENTIFICATIONS (PRIDE) DATABASE AND ASSOCIATED TOOLS: STATUS IN 2013

Authors: VIZCAINO JA; COTE RG; CSORDAS A; DIANES JA; FABREGAT A; FOSTER JM; GRISS J; ALPI E; BIRIM M; CONTELL J; O'KELLY G; SCHOENEGGER A; OVELLEIRO D; PEREZ-RIVEROL Y; REISINGER F; RIOS D; WANG R; HERMJAKOB H

Source: NUCL ACID RES 41 (D1): D1063-D1069 JAN 2013

Addresses: European Bioinformat Inst, EMBL Outstn, Cambridge, England.
Ctr Genet Engn & Biotechnol, Dept Prote, Havana, Cuba.
Austrian Acad Sci, CeMM Res Ctr Mol Med, A-1090 Vienna, Austria.

Field: BIOLOGY & BIOCHEMISTRY

2 Citations: 337

Title: EFFICIENT GENOME EDITING IN ZEBRAFISH USING A CRISPR-CAS SYSTEM

Authors: HWANG WY; FU YF; REYON D; MAEDER ML; TSAI SQ; SANDER JD; PETERSON RT; YEH JRJ; JOUNG JK

Source: NAT BIOTECHNOL 31 (3): 227-229 MAR 2013

Addresses: Massachusetts Gen Hosp, Cardiovasc Res Ctr, Charlestown, MA USA.
Massachusetts Gen Hosp, Mol Pathol Unit, Ctr Canc Res, Charlestown, MA 02129 USA.
Massachusetts Gen Hosp, Ctr Computat & Integrat Biol, Charlestown, MA USA.
Harvard Univ, Sch Med, Dept Pathol, Boston, MA 02115 USA.
Harvard Univ, Sch Med, Program Biol & Biomed Sci, Boston, MA USA.
Harvard Univ, Sch Med, Dept Med, Boston, MA USA.
Broad Inst, Cambridge, MA USA.

Field: BIOLOGY & BIOCHEMISTRY

3 Citations: 326

Title: STRING V9.1: PROTEIN-PROTEIN INTERACTION NETWORKS, WITH INCREASED COVERAGE AND INTEGRATION

Authors: FRANCESCHINI A; SZKLARCZYK D; FRANKILD S; KUHN M; SIMONOVIC M; ROTH A; LIN JY; MINGUEZ P; BORK P; VON MERING C; JENSEN LJ

Source: NUCL ACID RES 41 (D1): D808-D815 JAN 2013

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1 Citations: 524

Title: MEGA6: MOLECULAR EVOLUTIONARY GENETICS ANALYSIS VERSION 6.0

Authors: TAMURA K; STECHER G; PETERSON D; FILIPSKI A; KUMAR S

Source: MOL BIOL EVOL 30 (12): 2725-2729 DEC 2013

Addresses: Tokyo Metropolitan Univ, Res Ctr Genom & Bioinformat, Hachioji, Tokyo, Japan.
Tokyo Metropolitan Univ, Dept Biol Sci, Hachioji, Tokyo, Japan.
Arizona State Univ, Biodesign Inst, Ctr Evolutionary Med & Informat, Tempe, AZ 85287 USA.
Arizona State Univ, Sch Life Sci, Tempe, AZ 85287 USA.
King Abdulaziz Univ, Ctr Excellence Genom Med Res, Jeddah 21413, Saudi Arabia.

Field: MOLECULAR BIOLOGY & GENETICS

2 Citations: 423

Title: MAFFT MULTIPLE SEQUENCE ALIGNMENT SOFTWARE VERSION 7: IMPROVEMENTS IN PERFORMANCE AND USABILITY

Authors: KATOH K; STANDLEY DM

Source: MOL BIOL EVOL 30 (4): 772-780 APR 2013

Addresses: Osaka Univ, Immunol Frontier Res Ctr, Suita, Osaka, Japan.
Natl Inst Adv Ind Sci & Technol, Computat Biol Res Ctr, Tokyo, Japan.

Field: MOLECULAR BIOLOGY & GENETICS

3 Citations: 329

Title: ONE-STEP GENERATION OF MICE CARRYING MUTATIONS IN MULTIPLE GENES BY CRISPR/CAS-MEDIATED GENOME ENGINEERING

Authors: WANG HY; YANG H; SHIVALILA CS; DAWLATY MM; CHENG AW; ZHANG F; JAENISCH R

Source: CELL 153 (4): 910-918 MAY 9 2013

Addresses: Whitehead Inst Biomed Res, Cambridge, MA 02142 USA.
MIT, Dept Biol, Cambridge, MA 02139 USA.
MIT, Computat & Syst Biol Program, Cambridge, MA 02139 USA.
MIT, McGovern Inst Brain Res, Dept Brain & Cognit Sci, Dept Biol Engn, Cambridge, MA 02139 USA.

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Sorted by: Citations

1 - 20 (of 39) Page 1 of 2

1 Citations: 122

Title: THE GUT MICROBIOTA - MASTERS OF HOST DEVELOPMENT AND PHYSIOLOGY

Authors: SOMMER F; BACKHED F

Source: NAT REV MICROBIOL 11 (4): 227-238 APR 2013

Addresses: Univ Gothenburg, Wallenberg Lab Cardiovasc & Metab Res, Sahlgrenska Univ Hosp, Dept Mol & Clin Med, SE-41345 Gothenburg, Sweden.
Univ Gothenburg, Sahlgrenska Ctr Cardiovasc & Metab Res, Dept Mol & Clin Med, SE-41345 Gothenburg, Sweden.
Univ Copenhagen, Novo Nordisk Fdn Ctr Basic Metab Res, Sect Metab Receptol & Enteroendocrinol, Fac Hlth Sci, DK-2200 Copenhagen, Denmark.

Field: MICROBIOLOGY

2 Citations: 113

Title: INSIGHTS INTO THE PHYLOGENY AND CODING POTENTIAL OF MICROBIAL DARK MATTER

Authors: RINKE C; SCHWIENTEK P; SCZYRBA A; IVANOVA NN; ANDERSON IJ; CHENG JF; DARLING A; MALFATTI S; SWAN BK; GIES EA; DODSWORTH JA; HEDLUND BP; TSIAMIS G; SIEVERT SM; LIU WT; EISEN JA; HALLAM SJ; KYRPIDES NC; STEPANAUSKAS R; RUBIN EM; HUGENHOLTZ P; WOYKE T

Source: NATURE 499 (7459): 431-437 JUL 25 2013

Addresses: DOE Joint Genome Inst, Walnut Creek, CA 94598 USA.
Univ Bielefeld, Ctr Biotechnol, D-33602 Bielefeld, Germany.
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Univ British Columbia, Dept Microbiol & Immunol, Vancouver, BC V6T 1Z3, Canada.
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Univ Nevada, Sch Life Sci, Las Vegas, NV 89154 USA.
Univ Patras, Dept Environm & Nat Resources Management, Agrinion 30100, TK, Greece.
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Univ Illinois, Dept Civil & Environm Engn, Urbana, IL 61802 USA.
Univ Queensland, Sch Chem & Mol Biosci, Australian Ctr Ecogenom, St Lucia, Qld 4072, Australia.
Univ Queensland, Inst Mol Biosci, St Lucia, Qld 4072, Australia.

Field: MICROBIOLOGY

3 Citations: 109

Title: POST-TREATMENT HIV-1 CONTROLLERS WITH A LONG-TERM VIROLOGICAL REMISSION AFTER THE INTERRUPTION OF EARLY INITIATED ANTIRETROVIRAL THERAPY ANRS VISCONTI STUDY

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1 - 20 (of 47)

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1 Citations: 256

Title: INNATE LYMPHOID CELLS - A PROPOSAL FOR UNIFORM NOMENCLATURE

Authors: SPITS H; ARTIS D; COLONNA M; DIEFENBACH A; DI SANTO JP; EBERL G; KOYASU S; LOCKSLEY RM; MCKENZIE ANJ; MEBIUS RE; POWRIE F; VIVIER E

Source: NAT REV IMMUNOL 13 (2): 145-149 FEB 2013

Addresses:
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Univ Penn, Inst Immunol, Perelman Sch Med, Philadelphia, PA 19104 USA.
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INSERM, U1104, Ctr Immunol Marseille Luminy, F-13009 Marseille, France.
CNRS, UMR7280, F-13288 Marseille, France.

Field: IMMUNOLOGY

2 Citations: 185

Title: MACROPHAGE BIOLOGY IN DEVELOPMENT, HOMEOSTASIS AND DISEASE

Authors: WYNN TA; CHAWLA A; POLLARD JW

Source: NATURE 496 (7446): 445-455 APR 25 2013

Addresses:
NIAID, Immunopathogenesis Sect, Program Tissue Immun & Repair, NIH, Gaithersburg, MD 20877 USA.
NIAID, Parasit Dis Lab, NIH, Gaithersburg, MD 20877 USA.
Univ Calif San Francisco, Dept Physiol & Med, Cardiovasc Res Inst, San Francisco, CA 94158 USA.
Univ Edinburgh, Queens Med Res Inst, Med Res Council Ctr Reprod Hlth, Edinburgh EH16 4TJ, Midlothian, Scotland.
Albert Einstein Coll Med, Dept Dev & Mol Biol, Ctr Study Reprod Biol & Womens Hlth, New York, NY 10461 USA.

Field: IMMUNOLOGY

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4 Citations: 60

Title: ANTIMICROBIAL-RESISTANT PATHOGENS ASSOCIATED WITH HEALTHCARE-ASSOCIATED INFECTIONS: SUMMARY OF DATA REPORTED TO THE NATIONAL HEALTHCARE SAFETY NETWORK AT THE CENTERS FOR DISEASE CONTROL AND PREVENTION, 2009-2010

Authors: SIEVERT DM; RICKS P; EDWARDS JR; SCHNEIDER A; PATEL J; SRINIVASAN A; KALLEN A; LIMBAGO B; FRIDKIN S

Source: INFECT CONTROL HOSP EPIDEMIOL 34 (1): 1-14 JAN 2013

Addresses: Ctr Dis Control & Prevent, Div Healthcare Qual Promot, Natl Ctr Emerging & Zoonot Infect Dis, Atlanta, GA USA.

Field: SOCIAL SCIENCES, GENERAL

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5 Citations: 57

Title: IDENTIFYING INFLUENTIAL AND SUSCEPTIBLE MEMBERS OF SOCIAL NETWORKS

Authors: ARAL S; WALKER D

识别社交网络影响力和易感成员

Source: SCIENCE 337 (6092): 337-341 JUL 20 2012

Addresses: NYU, Stern Sch Business, New York, NY 10012 USA.

《科学》

Field: SOCIAL SCIENCES, GENERAL

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6 Citations: 53

Title: COHORT PROFILE: THE AVON LONGITUDINAL STUDY OF PARENTS AND CHILDREN: ALSPAC MOTHERS COHORT

Authors: FRASER A; MACDONALD-WALLIS C; TILLING K; BOYD A; GOLDING J; SMITH GD; HENDERSON J; MACLEOD J; MOLLOY L; NESS A; RING S; NELSON SM; LAWLOR DA

Source: INT J EPIDEMIOL 42 (1): 97-110 FEB 2013

Addresses: Univ Bristol, Ctr Causal Anal Translat Epidemiol, MRC, Bristol BS8 2BN, Avon, England.
Univ Bristol, Sch Social & Community Med, Bristol BS8 2BN, Avon, England.
Univ Bristol, Sch Oral & Dent Sci, Bristol BS8 2BN, Avon, England.
Univ Glasgow, Sch Med, Glasgow G12 8QQ, Lanark, Scotland.

Field: SOCIAL SCIENCES, GENERAL

7 Citations: 52

Title: INCREASING DROUGHT UNDER GLOBAL WARMING IN OBSERVATIONS AND MODELS

Authors: DAI AG

Source: NAT CLIM CHANGE 3 (1): 52-58 JAN 2013

Addresses: SUNY Albany, Dept Atmospher & Environm Sci, Albany, NY 12222 USA.
Natl Ctr Atmospher Res, Boulder, CO 80307 USA.

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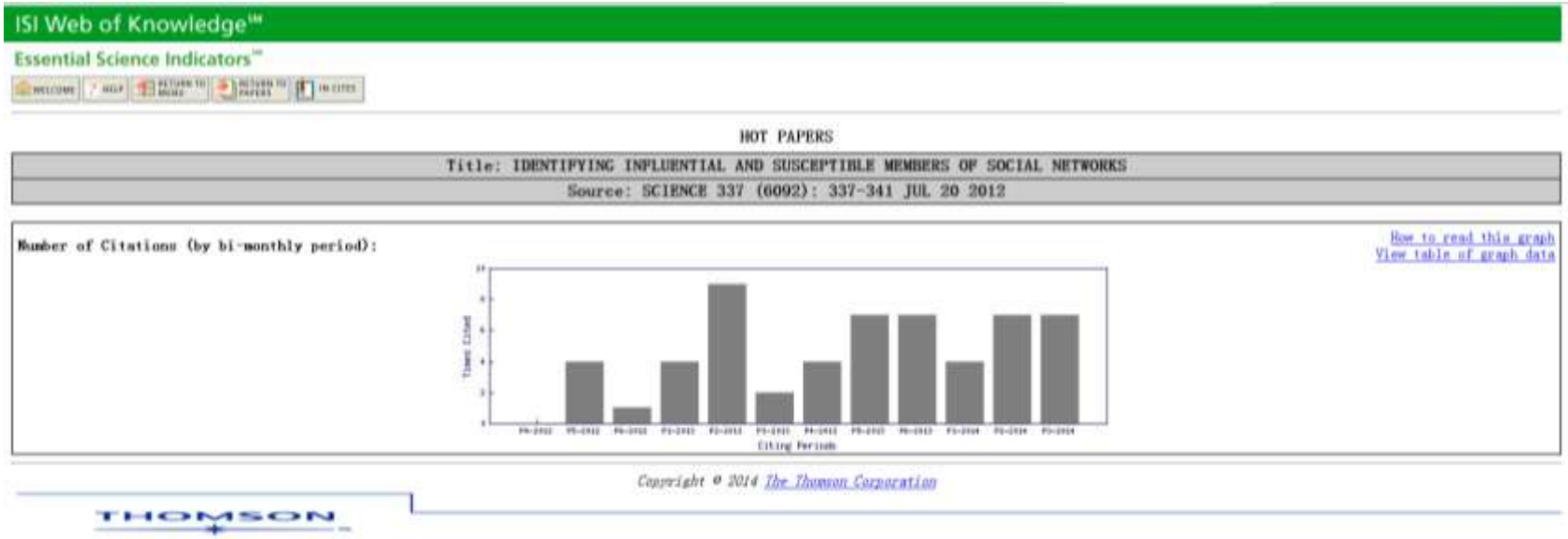

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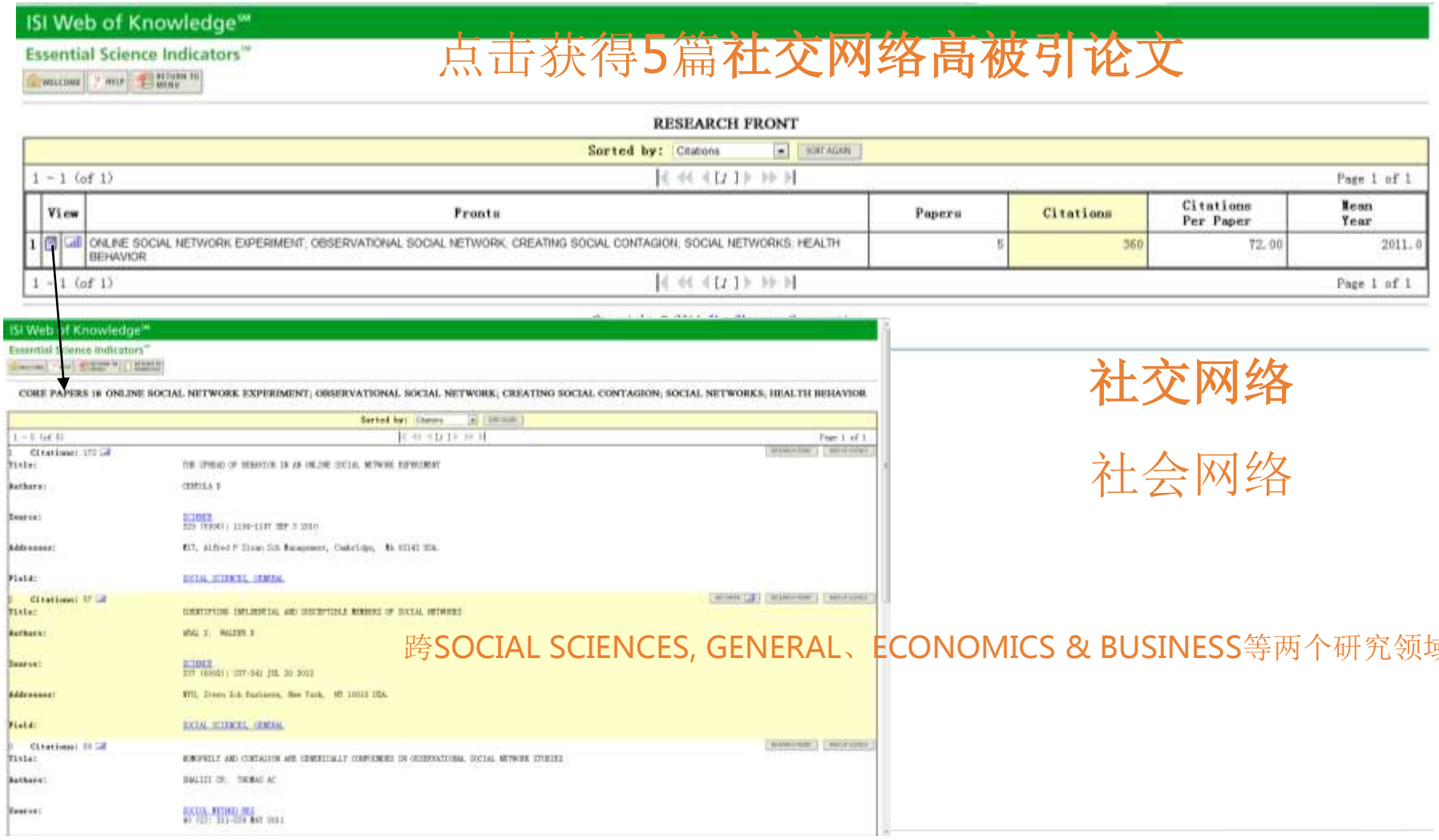

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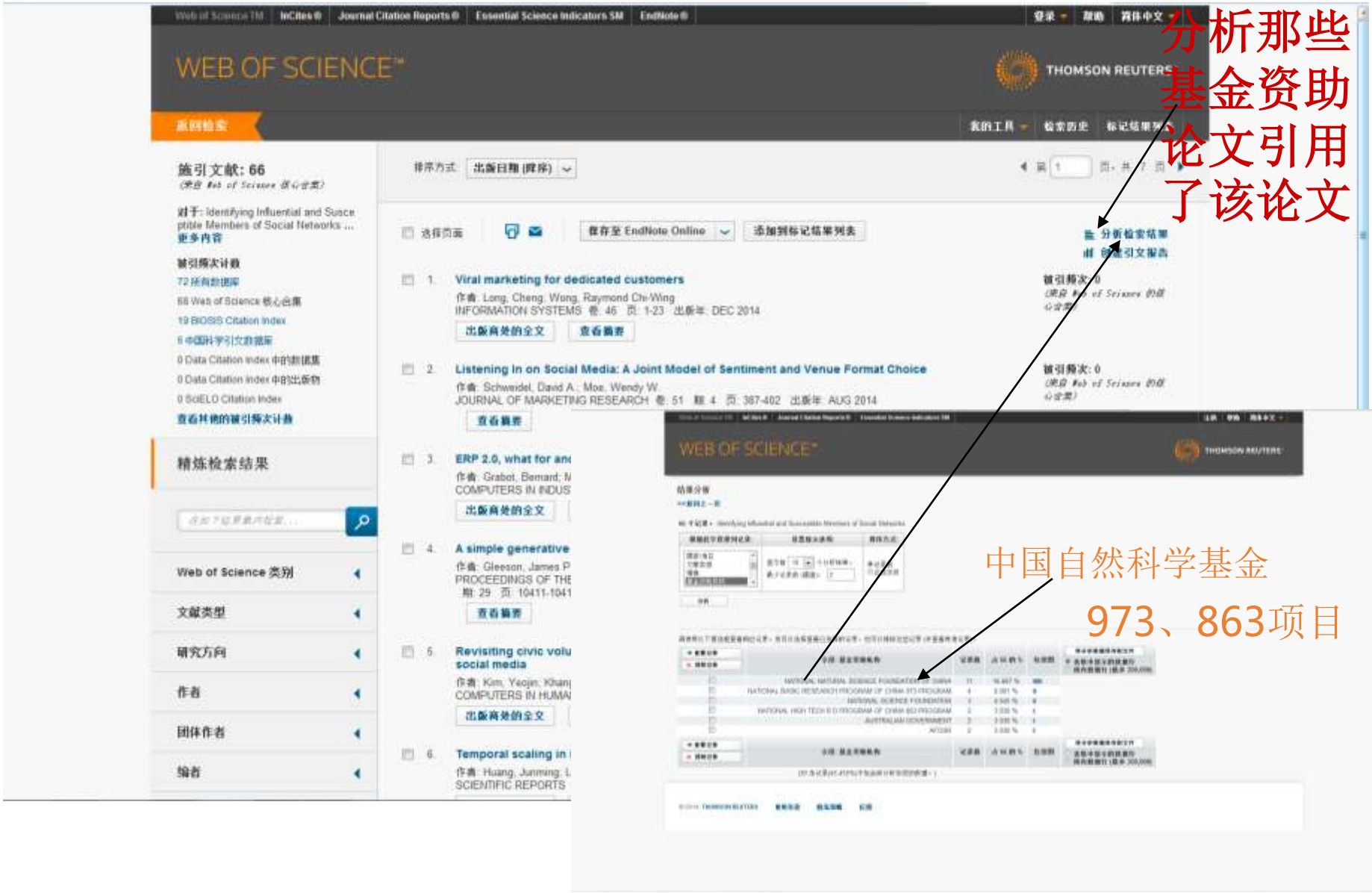

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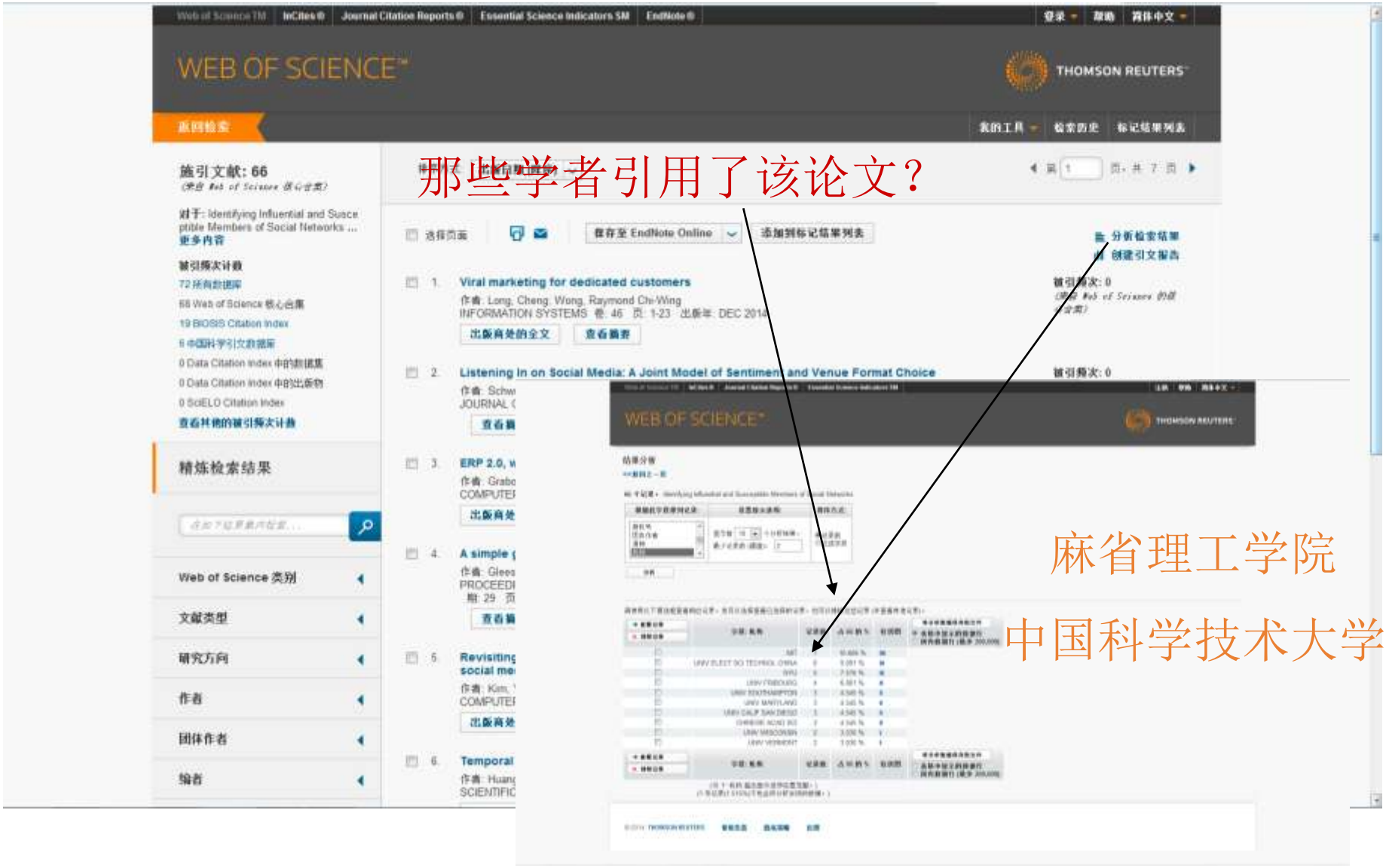

追踪社会科学学科前沿——热点论文

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	项目批准号	申请代码1	项目名称	项目负责人	依托单位	批准金额	项目起止年月
1	61375054	F030502	异构环境下基于社交群体的大规模本体学习模型研究	郑庆华	清华大学	79	2014-01至2017-12
2	61370220	F020705	云媒体社交网络下的数字媒体内容安全与版权保护	张志勇	河南科技大学	78	2014-01至2017-12
3	61303248	F020705	基于组织化的社交网络访问控制方法研究	张颖君	中国科学院软件研究所	23	2014-01至2016-12
4	61300014	F020304	基于系统层次结构的大图并行处理框架研究	张辉	北京邮电大学	25	2014-01至2016-12
5	61303163	F020512	面向时间约束的动态社交网络影响力最大化问题研究	翟健	中国科学院软件研究所	22	2014-01至2016-12
6	61300103	F020506	位置相关小组任务的群组构建方法研究	於志勇	福州大学	27	2014-01至2016-12
7	61374170	F030203	双层耦合社交网络的相互作用和共演化机制：基于时间序列和群体视角的方法	许小可	大连民族学院	78	2014-01至2017-12
8	71301086	G0112	双层耦合在线社交网络拓扑演化与信息传播模型研究	薛长明	山东财经大学	19	2014-01至2016-12
9	61373021	H2606	初中生社交网络使用强度对其心理健康影响的队列研究	吴秀敏	香港中文大学深圳研究院	79	2014-01至2017-12
10	61302479	H2609	艾滋病阳性男男性接触人群心理健康及高危行为研究	巫嘉纳	香港中文大学深圳研究院	23	2014-01至2016-12

（金额单位：万元）

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追踪社会科学学科前沿——热点论文

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1	71471157	G011201	社交学习网络环境下的创新能力理论与应用研究	赵建庆	香港城市大学深圳研究院	62	2015-01至2018-12
2	11401602	A010201	社交网络组织结构与信息传播功能的群表示研究	张占利	中央财经大学	22	2015-01至2017-12
3	71402157	G021102	心理健康公包系统的分析，建模与设计	张育鹏	香港城市大学深圳研究院	23	2015-01至2017-12
4	61402174	F020502	融合社交语义环境的网络图像标注关键技术研究	张静	华东理工大学	24	2015-01至2017-12
5	61472283	F020513	基于数字足迹的社群智能关键技术研究	张大鹏	南京大学	85	2015-01至2018-12
6	61462079	F020304	社交网络环境下基于协同过滤的上下文感知推荐系统研究	于炯	新疆大学	47	2015-01至2018-12
7	61401015	F010201	社交网络用户行为分析及话题演化趋势预测方法研究	郭莘	北京交通大学	24	2015-01至2017-12
8	71401130	G011203	大规模动态社交网络社团检测算法研究	王玲	西安电子科技大学	22	2015-01至2017-12
9	61402383	F020204	大数据环境下面向社交网络的图匹配查询研究	王珏	西南交通大学	25	2015-01至2017-12
10	71471156	G011201	网络用户隐私担忧与主动性披露隐私信息之间的悖论：理论探索和基于社交网络的实证研究	王伟军	香港城市大学深圳研究院	62	2015-01至2018-12

（金额单位：万元）

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国家社会科学基金社交网络课题

项目批准号	项目类别	学科分类	项目名称	立项时间	项目负责人	专业职务
14BSH082	一般项目	社会学	大学生社交网络的不当使用及其心理需要缺陷机制	2014-06-15	刘翔平	正高级
14CTQ031	青年项目	图书馆、情	移动社交网络对网络舆情的影响及治理研究	2014-06-15	丁菊玲	中级
14BXW043	一般项目	新闻学与传	基于社交网络的青年群体日常社会—文化实践研究	2014-06-15	朱丽丽	副高级
14BTQ033	一般项目	图书馆、情	在线社交网络中基于用户的知识组织模式研究	2014-06-15	章成志	副高级
14CTY003	青年项目	体育学	以移动社交网络为载体的体育传播创新研究	2014-06-15	刘翔	中级
13CXW034	青年项目	新闻学	基于移动社交网络的青年群体“微生活”消费模式	2013-06-10	于婷婷	中级
13CXW025	青年项目	新闻学	社交网络中传播主体行为的演变和规范研究	2013-06-10	张华	副高级
13CXW018	青年项目	新闻学	移动社交网络的自我呈现与人际传播研究	2013-06-10	黄佩	副高级
12BTQ054	一般项目	图书馆、情	科研社交网络用户信息交流机制研究	2012-05-14	张素芳	副高级
12BXW041	一般项目	新闻学与传	社交网络信息扩散机理与舆论引导机制研究	2012-05-14	廖珏	正高级
11BXW042	一般项目	新闻学与传	社交网络中的隐私侵权问题研究	2011-07-01	徐敬宏	副高级

基金案例：追踪工程学领域学科前沿——热点论文

最近2年工程学领域有185篇论文进入ESI热点论文（Hot Papers）

3 Citations: 107
Title: SOLAR CELL EFFICIENCY TABLES (VERSION 40)
Authors: GREEN MA; EMERY K; HISHIKAWA Y; WARTA W; DUNLOP ED
Source: PROG PHOTOVOLTAICS 20 (5): 606-614 SP. ISS. SI AUG 2012
Addresses: Univ New S Wales, ARC Photovolta Ctr Excellence, Sydney, NSW 2052, Australia.
Natl Renewable Energy Lab, Golden, CO 80401 USA.
Natl Inst Adv Ind Sci & Technol, Res Ctr Photovolta RCPV, Tsukuba, Ibaraki 3058568, Japan.
Fraunhofer Inst Solar Energy Syst, Dept Solar Cells Mat & Technol, D-79110 Freiburg, Germany.
Commiss European Communities, Joint Res Ctr, Renewable Energy Unit, Inst Energy, IT-20127 Ispra, VA, Italy
Field: ENGINEERING

4 Citations: 102
Title: THIN FILM SOLAR CELL WITH 8.4% POWER CONVERSION EFFICIENCY USING AN EARTH-ABUNDANT CU2ZNSNS4 ABSORBER
Authors: SHIN B; GUNAWAN O; ZHU Y; BOJARCZUK NA; CHEY SJ; GUHA S
Source: PROG PHOTOVOLTAICS 21 (1): 72-76 JAN 2013
Addresses: IBM CORP,THOMAS J WATSON RES CTR,YORKTOWN HTS, Y 10598.
Field: ENGINEERING

5 Citations: 91
Title: A NOVEL APPROACH TO FILTER DESIGN FOR T-S FUZZY DISCRETE-TIME SYSTEMS WITH TIME-VARYING DELAY
Authors: SU XJ; SHI P; WU LG; SONG YD
Source: IEEE TRANS FUZZY SYST 20 (6): 1114-1129 DEC 2012
Addresses: Harbin Inst Technol, Harbin 150001, Peoples R China.
Univ Glamorgan, Dept Comp & Math Sci, Pontypridd CF37 1DL, M Glam, Wales.
Victoria Univ, Sch Sci & Engn, Melbourne, Vic 3000, Australia.
Univ S Australia, Sch Math & Stat, Adelaide, SA 5001, Australia.
Chongqing Univ, Sch Automat, Chongqing 400044, Peoples R China.
Field: ENGINEERING

6 Citations: 84
Title: OPPORTUNITIES AND CHALLENGES FOR A SUSTAINABLE ENERGY FUTURE
Authors: CHU S; MAJUMDAR A
Source: NATURE 488 (7411): 294-303 AUG 16 2012
Addresses: US DOE,WASHINGTON, C 20585.

更新为2014年5月15日

热点论文

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薄膜太阳电池

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基金案例：追踪工程学领域学科前沿——热点论文

更新为2014年9月11日

Field: ENGINEERING

2 Citations: 155

Title: A COMPARISON STUDY OF BASIC DATA-DRIVEN FAULT DIAGNOSIS AND PROCESS MONITORING METHODS ON THE BENCHMARK TENNESSEE EASTMAN PROCESS

Authors: YIN S; DING SX; HAGHANI A; HAO HY; ZHANG P

Source: J PROCESS CONTROL 22 (9): 1567-1581 OCT 2012

Addresses: Univ Duisburg Essen, Inst Automat Control & Complex Syst, D-47057 Duisburg, Germany.
Harbin Inst Technol, Inst Intelligent Control & Syst, Harbin 150001, Peoples R China.

Field: ENGINEERING

薄膜太阳电池

3 Citations: 148

Title: THIN FILM SOLAR CELL WITH 8.4% POWER CONVERSION EFFICIENCY USING AN EARTH-ABUNDANT CU2ZNSNS4 ABSORBER

Authors: SHIN B; GUNAWAN O; ZHU Y; BOJARCZUK NA; CHEY SJ; GUHA S

Source: PROG PHOTOVOLTAICS 21 (1): 72-76 JAN 2013

Addresses: IBM Corp, Thomas J Watson Res Ctr, Yorktown Hts, NY 10598 USA.

Field: ENGINEERING

4 Citations: 142

Title: OPPORTUNITIES AND CHALLENGES FOR A SUSTAINABLE ENERGY FUTURE

Authors: CHU S; MAJUMDAR A

Source: NATURE 488 (7411): 294-303 AUG 16 2012

Addresses: US DOE, Washington, DC 20585 USA.

Field: ENGINEERING

学科研究前沿

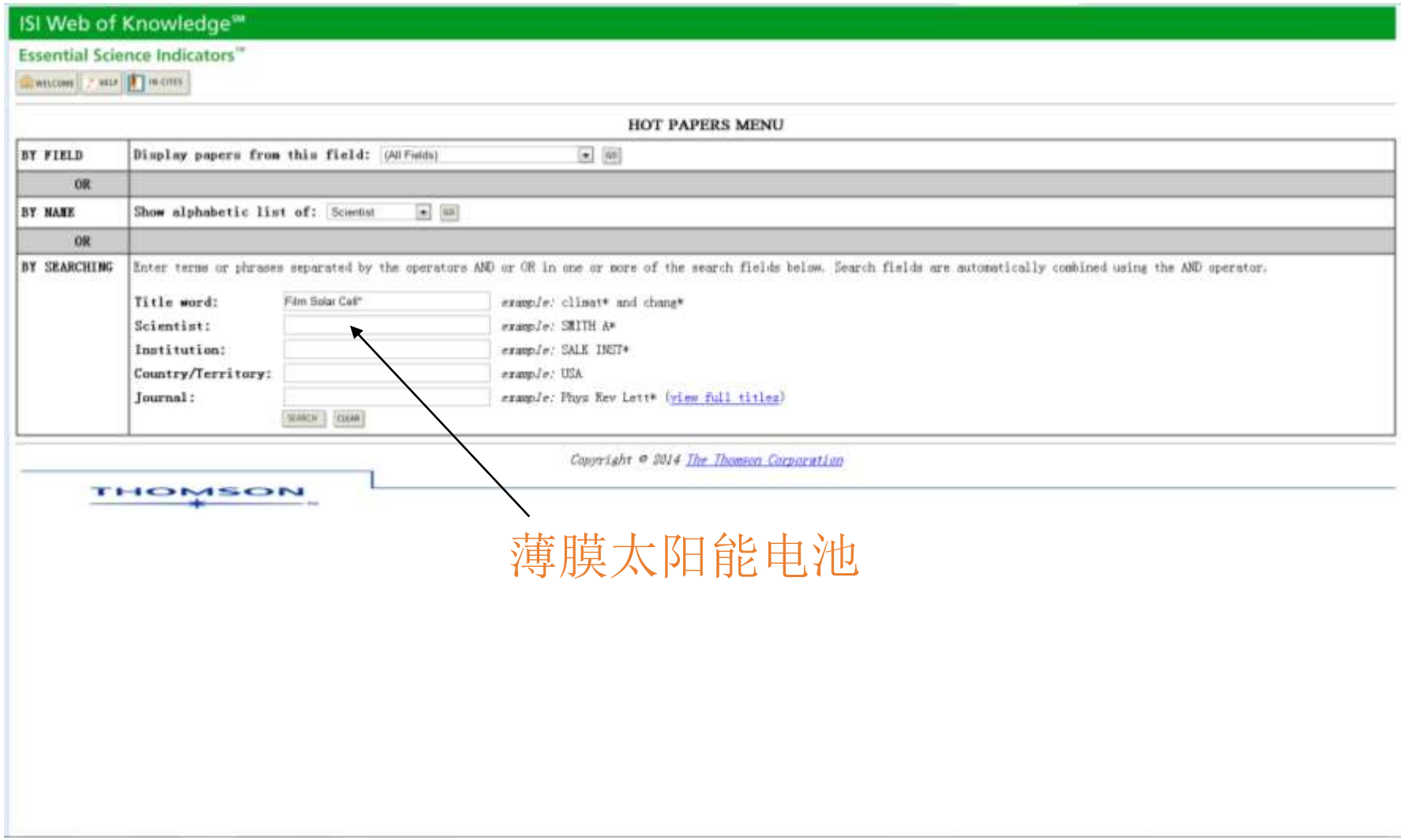
5 Citations: 131

Title: SOLAR CELL EFFICIENCY TABLES (VERSION 40)

Authors: GREEN MA; EMERY K; HISHIKAWA Y; WARTA W; DUNLOP ED

Source: PROG PHOTOVOLTAICS 20 (5): 606-614 SP. ISS. SI AUG 2012

基金案例：追踪工程学领域学科前沿——热点论文



基金案例：薄膜太阳能电池（Film Solar Cell）热点论文

更新为2015年3月5日

HOT PAPERS FOR (FILM SOLAR CELL*)

Sorted by: Citations SORT AGAIN

1 - 4 (of 4) Page 1 of 1

1 Citations: 198

Title: THIN FILM SOLAR CELL WITH 8.4% POWER CONVERSION EFFICIENCY USING AN EARTH-ABUNDANT CU2ZNSNS4 ABSORBER

Authors: SHIN B; GUNAWAN O; ZHU Y; BOJARCZUK NA; CHEY SJ; GUHA S

Source: PROG PHOTOVOLTAICS 21 (1): 72-76 JAN 2013

Addresses: IBM Corp, Thomas J Watson Res Ctr, Yorktown Hts, NY 10598 USA.

Field: ENGINEERING

2 Citations: 59

Title: DEVICE CHARACTERISTICS OF CZTSSE THIN-FILM SOLAR CELLS WITH 12.6% EFFICIENCY

Authors: WANG W; WINKLER MT; GUNAWAN O; GOKMEN T; TODOROV TK; ZHU Y; MITZI DB

Source: ADV ENERGY MATER 4 (7): - MAY 2014

Addresses: IBM TJ Watson Res Ctr, Yorktown Hts, NY 10598 USA.

Field: MATERIALS SCIENCE

3 Citations: 52

Title: USING A TWO-STEP DEPOSITION TECHNIQUE TO PREPARE PEROVSKITE (CH3NH3PBI3) FOR THIN FILM SOLAR CELLS BASED ON ZRO2 AND TIO2 MESOSTRUCTURES

Authors: BI DQ; MOON SJ; HAGGMAN L; BOSCHLOO G; YANG L; JOHANSSON EMJ; NAZEERUDDIN MK; GRATZEL M; HAGFELDT A

Source: RSC ADV 3 (41): 18762-18765 2013

Addresses: Uppsala Univ, Dept Chem Angstrom, Uppsala, Sweden.
Swiss Fed Inst Technol, Dept Chem & Chem Engn, Lab Photon & Interfaces, Stn 6, CH-1015 Lausanne, Switzerland.

Field: CHEMISTRY

4 Citations: 28

Title: HOLE-CONDUCTOR-FREE PEROVSKITE ORGANIC LEAD IODIDE HETEROJUNCTION THIN-FILM SOLAR CELLS: HIGH EFFICIENCY AND JUNCTION PROPERTY

Authors: SHI JJ; DONG J; LV ST; XU YZ; ZHU LF; XIAO JY; XU X; WU HJ; LI DM; LUO YH; MENG QB

Source: APPL PHYS LETT 104 (6): - FEB 10 2014

Addresses: Chinese Acad Sci, Key Lab Renewable Energy, Beijing Key Lab New Energy Mat & Devices, Inst Phys, Beijing 100190, Peoples R China.

跨学科

薄膜太阳能电池（Film Solar Cell）热点论文

薄膜太阳能电池（Film Solar Cell）热点论文 2013-2014

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Title: THIN FILM SOLAR CELL WITH 8.4% POWER CONVERSION EFFICIENCY USING AN EARTH-ABUNDANT CU2ZNSNS4 ABSORBER

Source: PROG PHOTOVOLTAICS 21 (1): 72-76 JAN 2013

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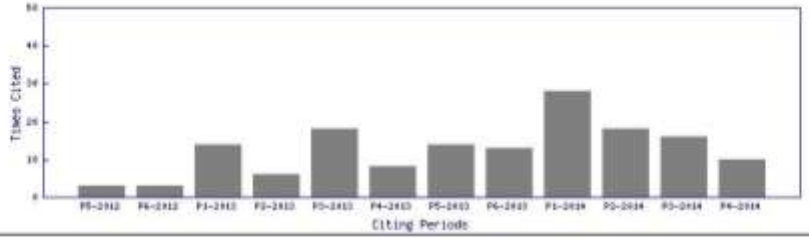

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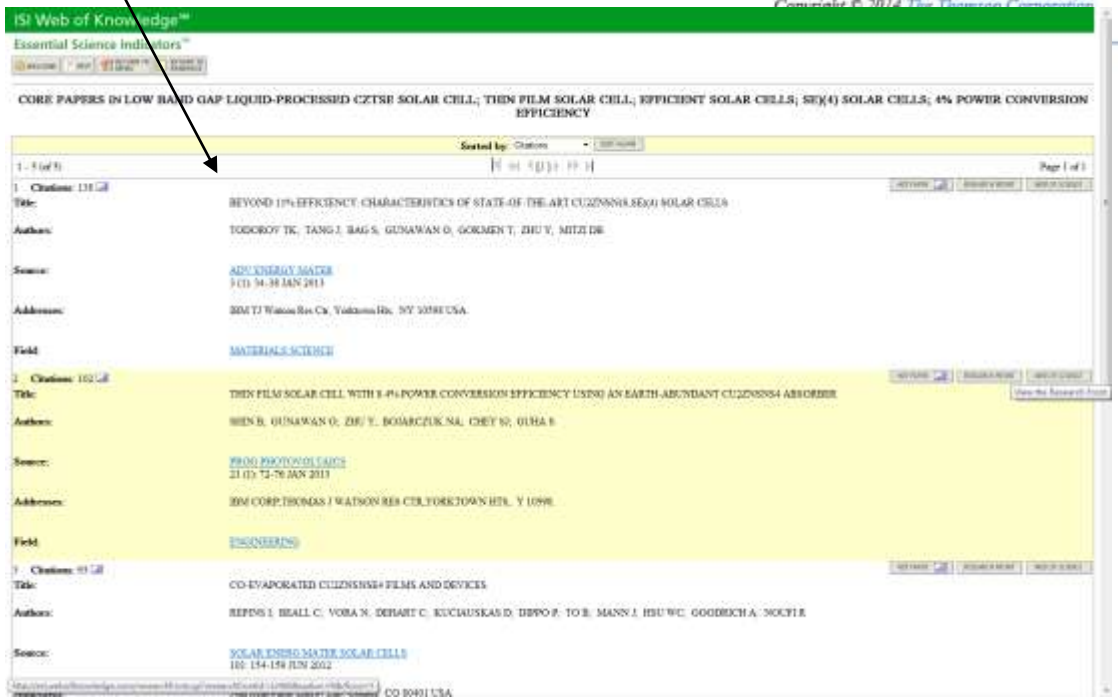
1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		LOW BAND GAP LIQUID-PROCESSED CZTSE SOLAR CELL; THIN FILM SOLAR CELL; EFFICIENT SOLAR CELLS; SE)(4) SOLAR CELLS; 4% POWER CONVERSION EFFICIENCY	5	484	96.80	2012.2

1 - 1 (of 1) [1] Page 1 of 1



更新为2014年5月15日

薄膜太阳能电池 、
高效的太阳能电池

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1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		CU2ZNSNS4 THIN FILM SOLAR CELLS; HIGH EFFICIENCY ELECTRODEPOSITED CU2ZNSNS4 SOLAR CELL; THERMALLY EVAPORATED CU2ZNSNS4 SOLAR CELLS; CU2ZNSNS4-BASED THIN FILM SOLAR CELLS; CZTS-BASED THIN FILM SOLAR CELLS	23	3754	163.22	2010.8

1 - 1 (of 1) Page 1 of 1

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更新为2014年11月6日

薄膜太阳能电池 、
高效的太阳能电池

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中国国家自然科学基金资助的38篇论文
引用了IBM发表的薄膜太阳电池论文

基金案例：追踪工程学领域学科前沿——热点论文

Low cost preparation of Cu2ZnSnS4 and Cu2ZnSn(SxSe1-x)(4) from binary sulfide nanoparticles for solar cell application

JOURNAL OF POWER SOURCES
卷: 262 页: 201-206
DOI: 10.1016/j.jpowsour.2014.03.075
出版年: SEP 15 2014

摘要

关键词

作者信息

基金资助致谢

基金资助机构	授权号
National Basic Research Program of China (973 Program)	2012CB922001
Fundamental Research Funds for the Central Universities	WK2060140005

引文网络

中国国家重点基础研究发展计划（973计划）基金资助论文引用了IBM发表的薄膜太阳电池论文的文献

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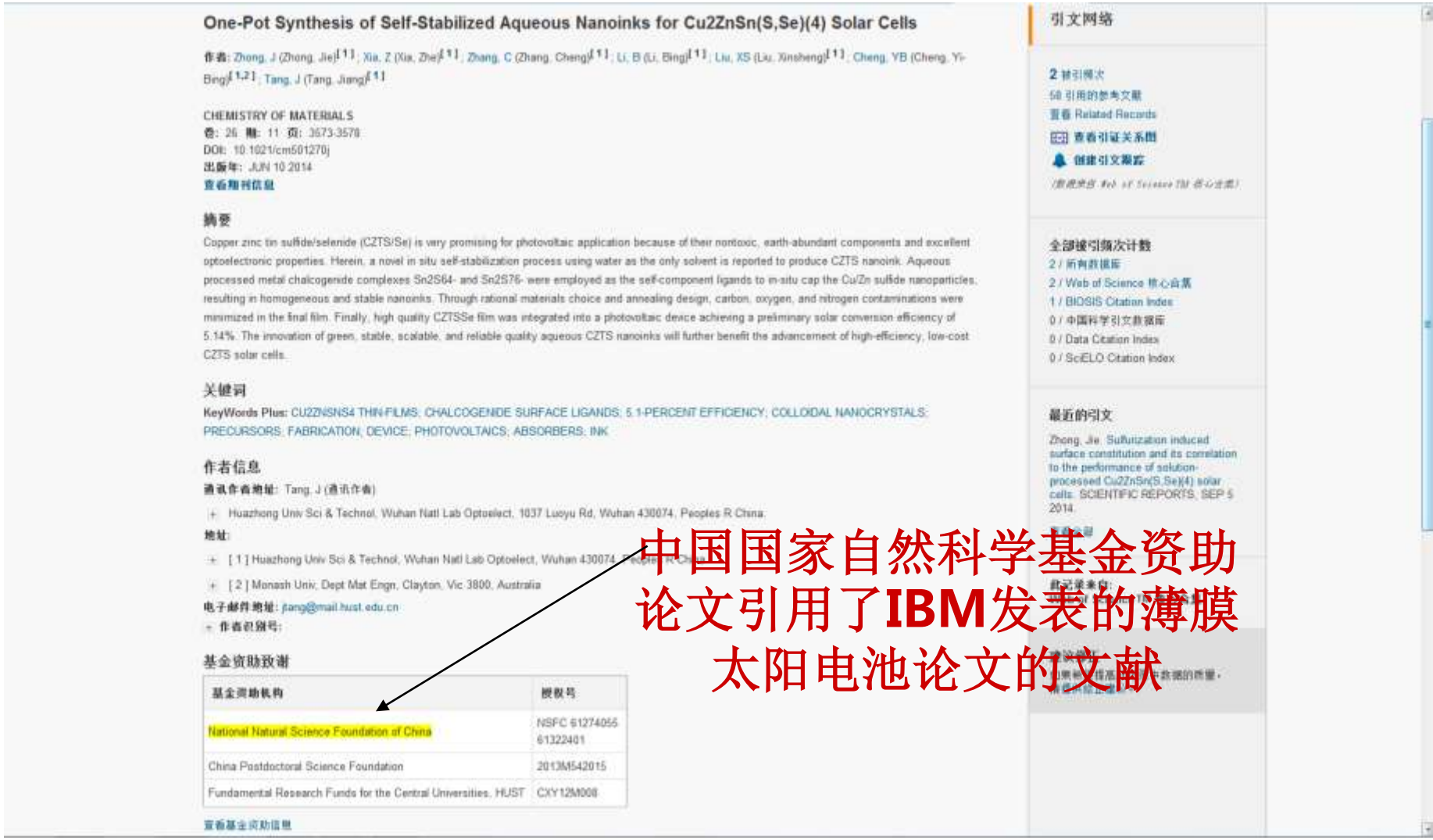
基金案例：追踪工程学领域学科前沿——热点论文



One-Pot Synthesis of Self-Stabilized Aqueous Nanoinks for Cu2ZnSn(S,Se)(4) Solar Cells

作者: Zhong, J (Zhong, Jie)[1]; Xia, Z (Xia, Zhe)[1]; Zhang, C (Zhang, Cheng)[1]; Li, B (Li, Bing)[1]; Liu, XS (Liu, Xinsheng)[1]; Cheng, YB (Cheng, Yi-Bing)[1,2]; Tang, J (Tang, Jiang)[1]

CHEMISTRY OF MATERIALS
卷: 26 期: 11 页: 3573-3578
DOI: 10.1021/cm501270j
出版年: JUN 10 2014
查看期刊信息

摘要

Copper zinc tin sulfide/selenide (CZTS/Se) is very promising for photovoltaic application because of their nontoxic, earth-abundant components and excellent optoelectronic properties. Herein, a novel in situ self-stabilization process using water as the only solvent is reported to produce CZTS nanoink. Aqueous processed metal chalcogenide complexes Sn2S64- and Sn2S76- were employed as the self-component ligands to in-situ cap the Cu/Zn sulfide nanoparticles, resulting in homogeneous and stable nanoinks. Through rational materials choice and annealing design, carbon, oxygen, and nitrogen contaminations were minimized in the final film. Finally, high quality CZTSSe film was integrated into a photovoltaic device achieving a preliminary solar conversion efficiency of 5.14%. The innovation of green, stable, scalable, and reliable quality aqueous CZTS nanoinks will further benefit the advancement of high-efficiency, low-cost CZTS solar cells.

关键词

KeyWords Plus: CU2ZNSNS4 THIN-FILMS; CHALCOGENIDE SURFACE LIGANDS; 5.1-PERCENT EFFICIENCY; COLLOIDAL NANOCRYSTALS; PRECURSORS; FABRICATION; DEVICE; PHOTOVOLTAICS; ABSORBERS; INK

作者信息

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+ [2] Monash Univ, Dept Mat Engn, Clayton, Vic 3800, Australia

电子邮件地址: jtang@mail.hust.edu.cn

+ 作者识别号:

基金资助致谢

基金资助机构	授权号
National Natural Science Foundation of China	NSFC 61274055 61322401
China Postdoctoral Science Foundation	2013M542015
Fundamental Research Funds for the Central Universities, HUST	CXY12M008

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1	11374168	A040102	染料敏化太阳能电池低聚物准固态电解质研究	诸跃进	宁波大学	90	2014-01至2017-12
2	91333113	B021101	梯形窄带隙稠环共轭分子的设计、合成、性质及其光伏性能研究	朱晓张	中国科学院化学研究所	91	2014-01至2016-12
3	61377025	F050204	顶部光入射型高效有机光伏器件的基础研究	朱瑞	北京大学	82	2014-01至2017-12
4	61307042	F050204	基于金属纳米网透明电极的表面等离激元聚合物光伏电池研究	朱锦锋	厦门大学	28	2014-01至2016-12
5	61306016	F040104	基于一维有序TiO2纳米阵列的全无机耗尽体相异质结量子点太阳能电池的结构构筑和性能研究	周正基	河南大学	25	2014-01至2016-12
6	51303118	E0309	聚合物太阳能电池中电子给/受体界面电荷转移态的研究	周祎	苏州大学	25	2014-01至2016-12
7	51303077	E030901	外场诱导液晶小分子取向调控P3HT/PCBM异质结体系的结晶与相分离及其光伏性能	周巍华	南昌大学	25	2014-01至2016-12
8	61325026	F0509	有机光电子功能材料与器件	郑庆东	中国科学院福建物质结构研究所	200	2014-01至2017-12
9	21371092	B010303	染料敏化太阳能电池中卟啉染料的设计与分子工程	郑和根	南京大学	80	2014-01至2017-12
10	51302164	E0207	低串联电阻p-型染料敏化太阳能电池结构设计与载流子传输机制	赵尹	上海大学	25	2014-01至2016-12

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1	11364025	A040204	CuInGaSe2太阳能电池界面结构、界面态及其钝化	汤富领	兰州理工大学	40	2014-01至2017-12
2	61376011	F040103	金属诱导垂直生长低温Poly-Si1-xGex (0≤x≤0.2)薄膜及其作为太阳能电池材料特性研究	彭尚龙	兰州大学	80	2014-01至2017-12
3	61306081	F040306	氧化物包覆银三角纳米粒子的表面等离子体共振效应在薄膜太阳能电池器件中的应用	李迪	中国科学院长春光学精密机械与物理研究所	27	2014-01至2016-12
4	51302303	E020701	基于CuSe的快速热处理硒化工艺研究	李朝晖	中国科学院深圳先进技术研究院	25	2014-01至2016-12

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学科研究前沿

基金案例：追踪工程学学科前沿——热点论文

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1	61474009	F040306	superstrate结构铜锌硒硫太阳电池制备中的关键科学问题研究	钟敏	渤海大学	50	2015-01至2018-12
2	61404154	F040306	高效铜铟镓硒薄膜太阳能电池吸收层的低温生长研究	张撷秋	中国科学院深圳先进技术研究院	26	2015-01至2017-12
3	61404109	F040306	一步溅射法制备的铜锌锡硒薄膜成相机理研究及其电池异质结探索	余洲	西南交通大学	26	2015-01至2017-12
4	61474103	F040306	纳米等离激元与太阳电池中的非平衡物理过程耦合研究	王德亮	中国科学技术大学	79	2015-01至2018-12
5	21473147	B0306	研究多层薄膜光电转换体系的AFM新方法	毛秉伟	厦门大学	95	2015-01至2018-12
6	11404191	A040106	薄膜钙钛矿太阳能电池中电子传输层与活性层动力学标度行为研究	刘云燕	山东理工大学	30	2015-01至2017-12
7	61404086	F040306	铜锌锡硫硒薄膜的离子束溅射制备及太阳电池关键科学问题研究	梁广兴	深圳大学	26	2015-01至2017-12
8	61474132	F040102	铜锌锡硫在晶界面的能带结构研究	李文杰	中国科学院深圳先进技术研究院	84	2015-01至2018-12
9	61404074	F040306	表面等离子激元增强型纳米微腔结构的薄膜太阳电池研究	黄茜	南开大学	31	2015-01至2017-12
10	61464005	F040103	ZnO:X透明导电膜的调制掺杂生长与氢化处理的研究	胡跃辉	景德镇陶瓷学院	46	2015-01至2018-12

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11	51472110	E0209	具有能隙梯度的全无机甲胺铅碘薄膜太阳能电池的能带设计、构筑与性能研究	曹丙强	济南大学	83	2015-01至2018-12

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2014年薄膜太阳能电池 3项获得
美国自然科学基金资助

国际基金动态信息

01-SEP-2014 Open preview	Organometal Halide Perovskites: Sequential Vapor Deposition And Device Study Toward Highly Efficient Thin-Film Solar Cells	Fan, Zhaoyang	Texas Tech University	National Science Foundation	330,000	USD
01-SEP-2014 Open preview	EAGER: Unified Photon and Electron Harvesting Method for High Efficiency Thin-film Silicon Solar Cells	Chanda, Debashis	University of Central Florida	National Science Foundation	199,942	USD
01-AUG-2014 Open preview	Enhanced Photon-Electron Conversion in Thin Film Solar Cells by Propagating Surface Plasmons	Lee, Jung-kun	University of Pittsburgh	National Science Foundation	325,235	USD

基金案例：追踪工程学学科前沿——热点论文

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国际基金动态信息

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重点项目：生物细胞纳米材料

Priority Programme "New Frontiers in Sensitivity for EPR Spectroscopy: From Biological Cells to Nano Materials"

Opp ID: 153971 | Collaboration or Cooperative Agreement Research Program or Curriculum Development or Provision | Last edited on 16 Jul 2014

Pivot Funding

Full Details

Website	http://www.dfg.de/en/research_funding/announcements_proposals/info_wissenschaft_14_37/index.html
Sponsor	Deutsche Forschungsgemeinschaft (DFG) / German Research Foundation Sponsor ID: SPP 1601
Amount	The amount is unspecified. The programme will not cover upgrades in standard instrumentation or investments in large scale facilities. The envisaged start of funding is May 2015.
Requirements	New Faculty/New Investigator Ph.D./M.D./Other Professional
Citizenship or Residency	Unrestricted
Activity location	Unspecified

薄膜太阳能电池

Funding Contact Person

Professor Dr. Marina Bennati, coordinator *(Scientific questions about this Priority Programme)*
Max Planck Institute for Biophysical Chemistry (Karl-

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热点论文

什么是热点论文？

热点论文是指与同领域和同时期出版的论文相比，在出版后很快就得到较高引用的论文。热点论文入选的条件是出版时间不超过2年，而且是在当前两个月内被引。根据以上条件，最后每个领域前0.1%的论文得以入选。

用什么标准确定热点论文？

如果一篇论文在达到其领域和近两个月内的被引频次界值就被选作热点论文。在编制出各个领域和时间组的被引频次分布后，选择在各领域和时间段论文被引计数最稠密的顶端小部分选定界值，而这一小部分定为抽取论文的前0.1%。

基金案例：追踪脑机融合研究前沿——高被引论文

输入： **brain computer interface***

高被引论文 （Highly Cited Papers）
最近10年发表的论文，总被引次数与同年度，同学科发表论文相比排名前1%的论文。

基金案例：追踪脑机融合研究前沿——高被引论文

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1 Citations: 7

Title: REAL-TIME FMRI **BRAIN COMPUTER INTERFACES**: SELF-REGULATION OF SINGLE BRAIN REGIONS TO NETWORKS

Authors: RUIZ S; BUYUKTURKOGLU K; RANA M; BIRBAUMER N; SITARAM R

Source: BIOL PSYCHOL 95: 4-20 SP. ISS. SI JAN 2014

Addresses: Univ Tubingen, Inst Med Psychol & Behav Neurobiol, D-72076 Tubingen, Germany.
Pontificia Univ Catolica Chile, Dept Psiquiatria, Escuela Med, Ctr Interdisciplinario Neurociencias, Santiago 32349, Chile.
Int Max Planck Res Sch, Grad Sch Neural & Behav Sci, D-72074 Tubingen, Germany.
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Univ Florida, Dept Biomed Engn, Gainesville, FL 32611 USA.
Sri Chitra Tirunal Inst Med Sci & Technol, Thiruvananthapuram 695011, Kerala, India.

Field: PSYCHIATRY/PSYCHOLOGY

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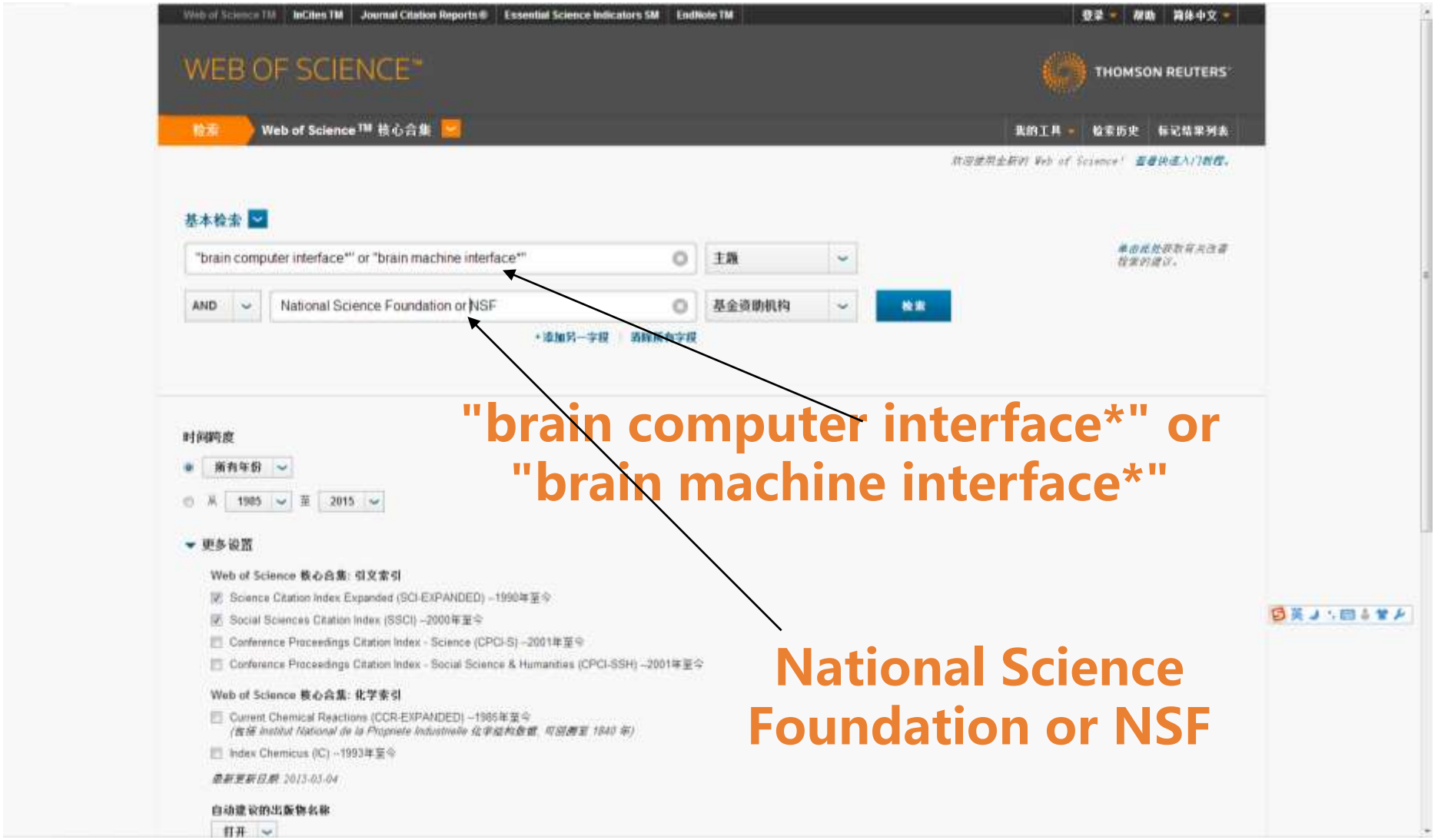
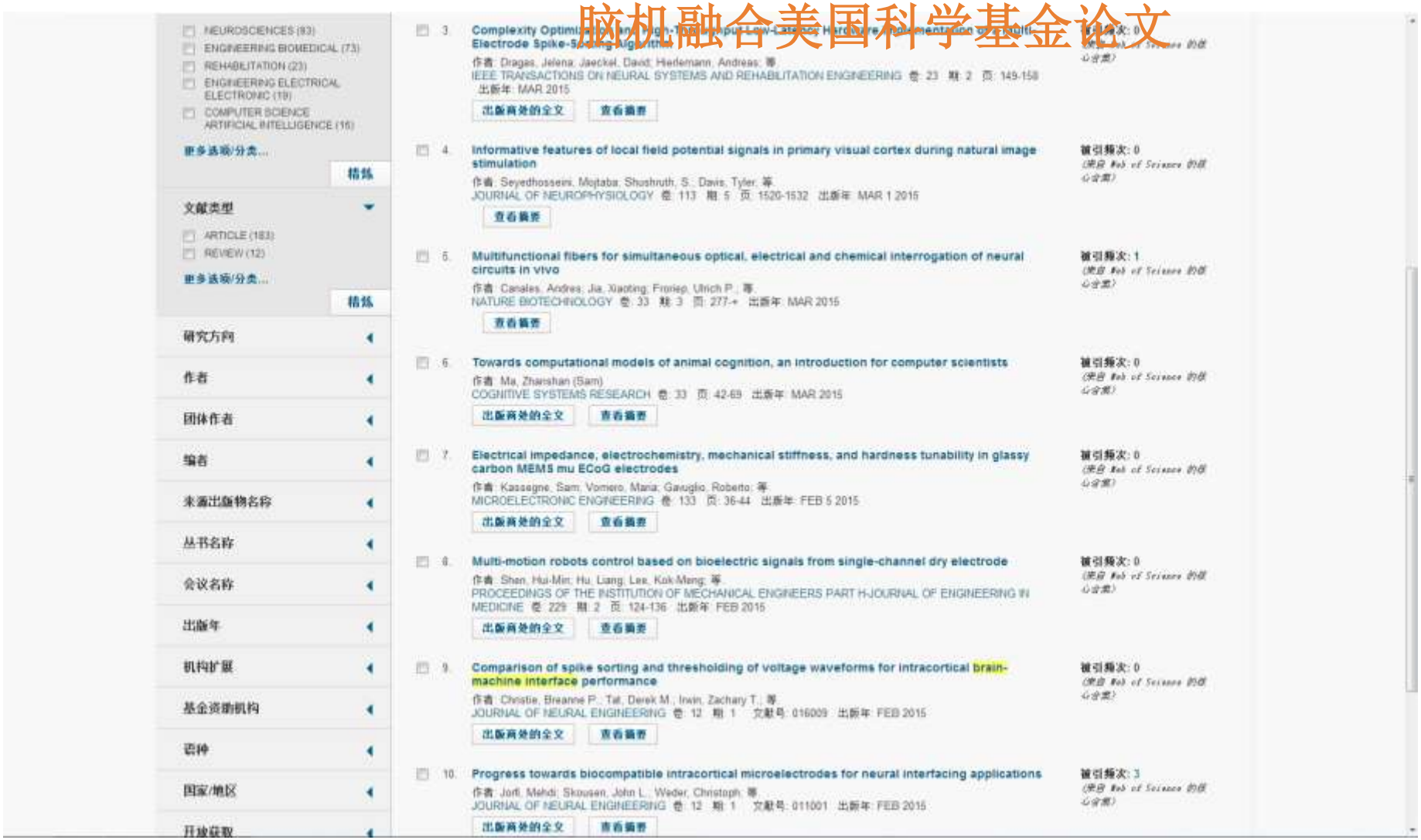


追踪脑机融合跨学科前沿——基金论文

追踪脑机融合跨学科前沿——基金论文

脑机融合美国科学基金论文



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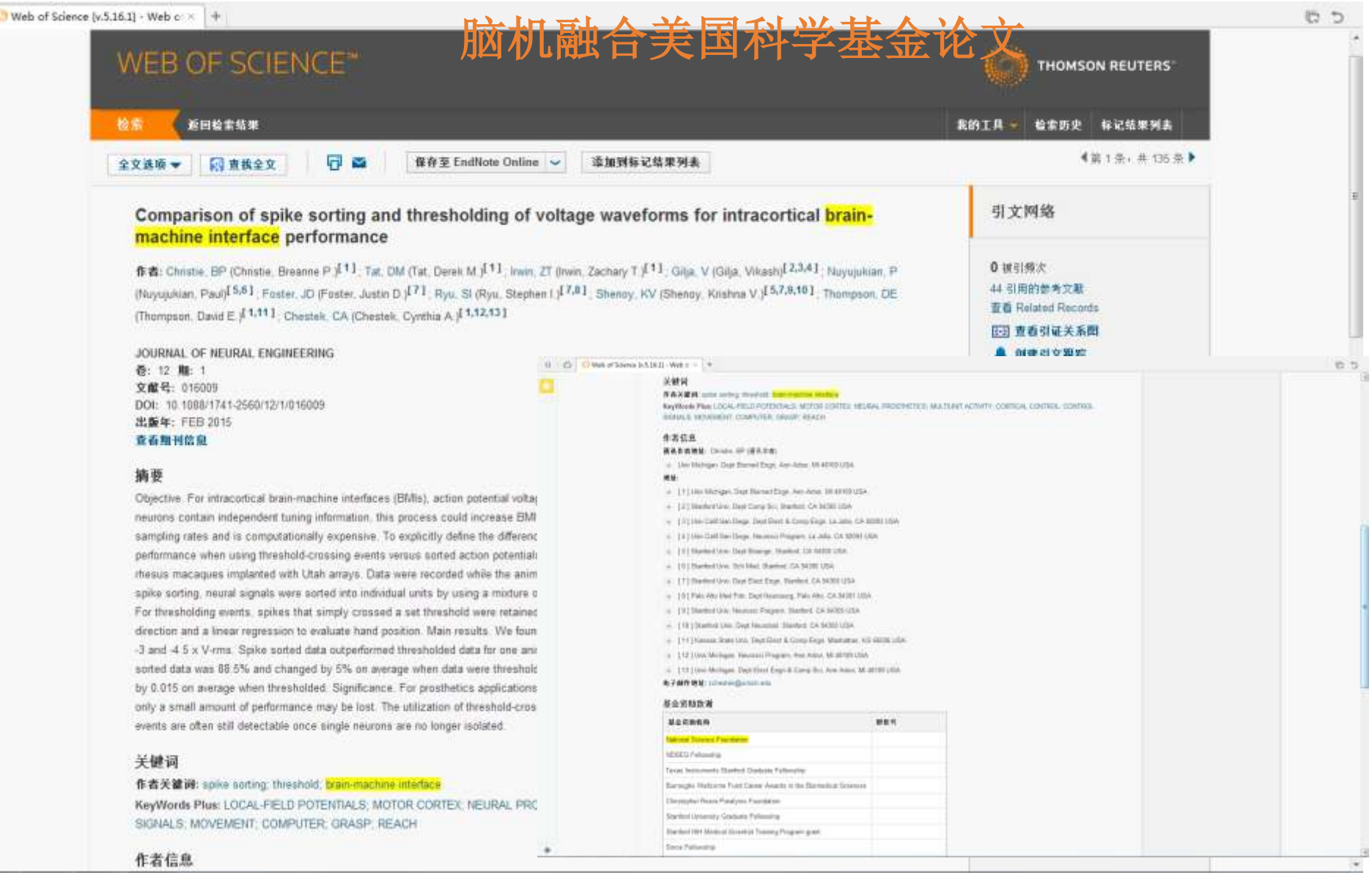

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Comparison of spike sorting and thresholding of voltage waveforms for intracortical brain-machine interface performance

作者: Christie, BP (Christie, Breanne P.)[1]; Tat, DM (Tat, Derek M.)[1]; Irwin, ZT (Irwin, Zachary T.)[1]; Gilja, V (Gilja, Vikash)[2,3,4]; Nuyujukian, P (Nuyujukian, Paul)[5,6]; Foster, JD (Foster, Justin D.)[7]; Ryu, SI (Ryu, Stephen I.)[7,8]; Shenoy, KV (Shenoy, Krishna V.)[5,7,9,10]; Thompson, DE (Thompson, David E.)[1,11]; Chestek, CA (Chestek, Cynthia A.)[1,12,13]

JOURNAL OF NEURAL ENGINEERING
卷: 12 期: 1
文献号: 016009
DOI: 10.1088/1741-2560/12/1/016009
出版年: FEB 2015
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摘要

Objective. For intracortical brain-machine interfaces (BMIs), action potential volta neurons contain independent tuning information, this process could increase BMI sampling rates and is computationally expensive. To explicitly define the differenc performance when using threshold-crossing events versus sorted action potentials rhesus macaques implanted with Utah arrays. Data were recorded while the anim spike sorting, neural signals were sorted into individual units by using a mixture o For thresholding events, spikes that simply crossed a set threshold were retained direction and a linear regression to evaluate hand position. Main results. We foun -3 and -4.5 x V-rms. Spike sorted data outperformed thresholded data for one ani sorted data was 88.5% and changed by 5% on average when data were threshold by 0.015 on average when thresholded. Significance. For prosthetics applications only a small amount of performance may be lost. The utilization of threshold-cros events are often still detectable once single neurons are no longer isolated.

关键词

作者关键词: spike sorting; threshold; brain-machine interface
KeyWords Plus: LOCAL-FIELD POTENTIALS; MOTOR CORTEX; NEURAL PRO SIGNALS; MOVEMENT; COMPUTER; GRASP; REACH

作者信息

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National Science Foundation

基金号（授权号）DGE-0549352

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脑机融合美国科学基金论文

追踪跨学科前沿——研究前沿

- **研究前沿（Research Fronts）：** 由汤森路透（Thomson Reuters）根据共被引分析和聚类算法选出的学科最新研究前沿，反映现代科学中的研究密集型和突破性领域，每个研究前沿包含一组高被引论文。

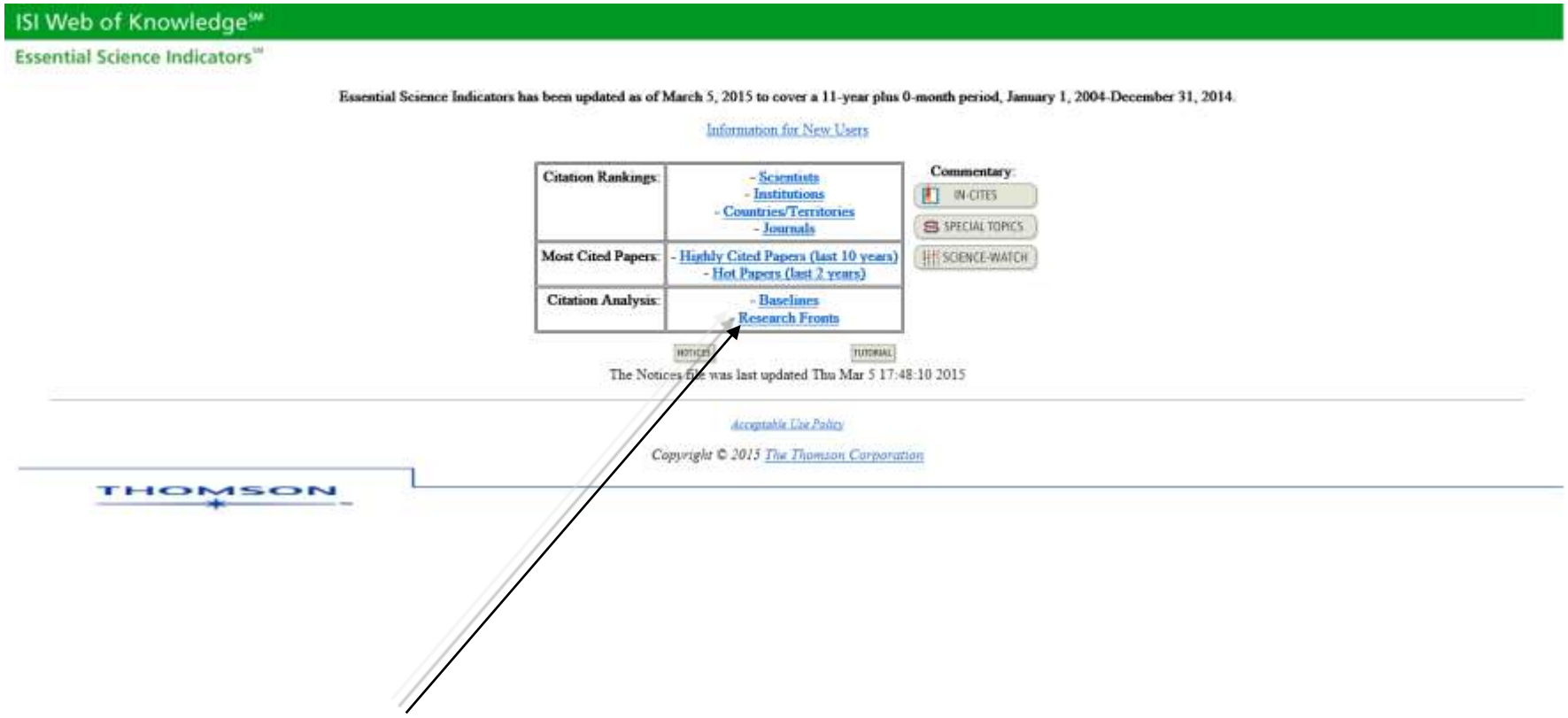
追踪学科前沿——研究前沿

研究前沿是指当前比较活跃的专业研究领域。首先，通过确定过去五年里发表的高被引论文(按照发表年份，被引次数在其领域位于前 1% 的论文)来确定研究前沿。然后收集引用这些高被引论文的论文并对被引论文进行共引分析。共引分析是一个反复过程。当两篇论文被频繁共引时，则有可能开始形成一个相关研究聚类，这就是一个研究前沿。一些研究前沿是仅围绕两篇或多篇论文建立起来的，而另一些研究前沿由于频繁共引则可能拥有多达50篇相关共引论文，这就是研究前沿内的核心论文。最后，研究前沿是由许多核心论文和将核心论文联系起来的更多施引论文组成的[2]。

研究前沿不是由信息分析师选择或定义的，它们是由研究人员自身通过其论文的参考文献确立的。因此，研究前沿反映了众多专家基于全面信息的判断。随着研究的进展，研究前沿的规模及内容总在不断变化。随着汤森路透每次更新数据，都有一些研究前沿消失而另一些研究前沿出现。这些研究前沿因此代表了全球研究界关于科学的结构的当前判断。

如何追踪跨学科前沿——研究前沿

追踪跨学科学科前沿——研究前沿



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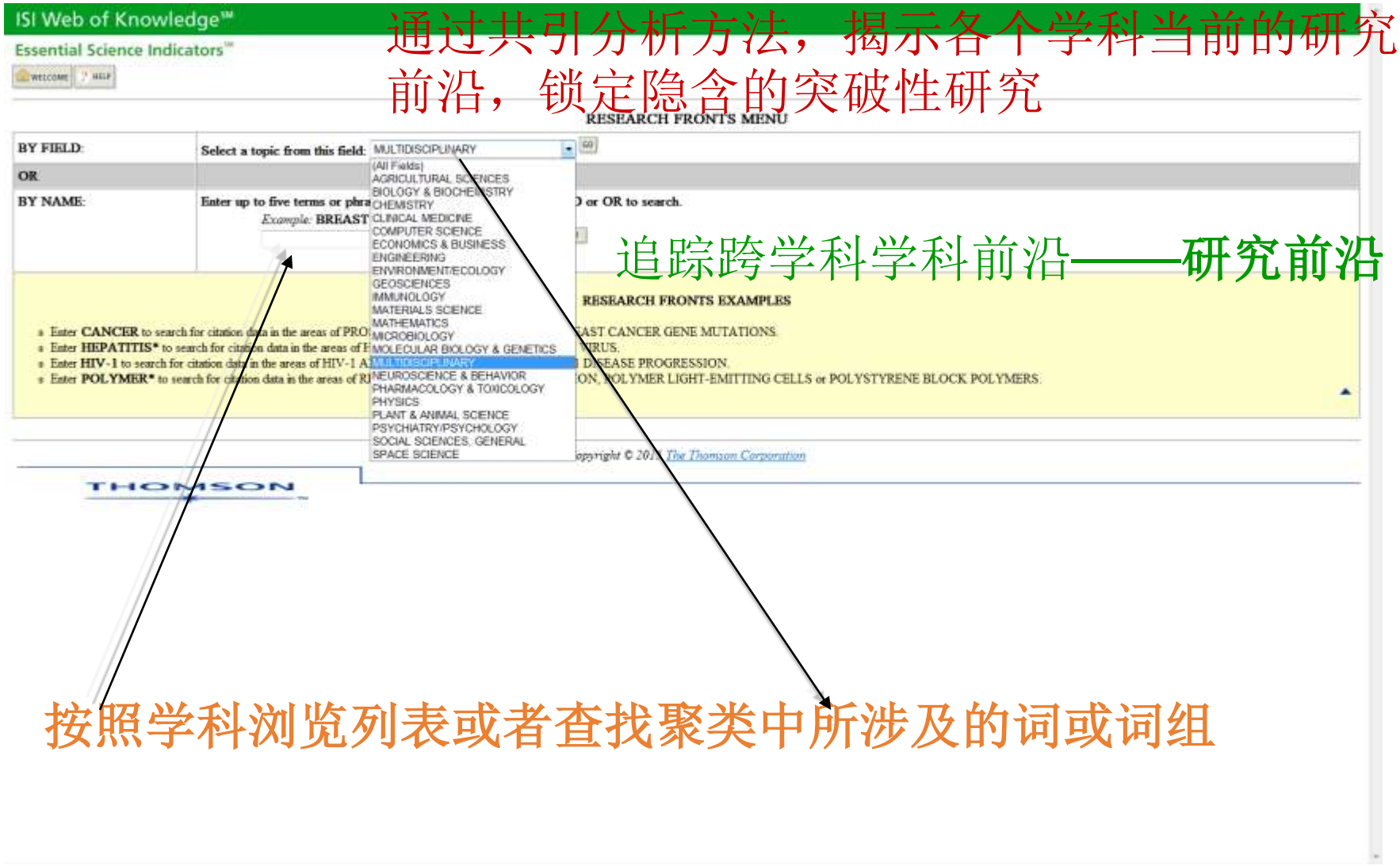

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1		PLURIPOTENT MOUSE STEM CELLS; PLURIPOTENT STEM CELLS FREE; PLURIPOTENT STEM CELLS; HUMAN IPS CELLS; HUMAN CELLS	21	12,104	576.38	2008.9
2		FEW-LAYER GRAPHENE FILMS; 30-INCH GRAPHENE FILMS; UNIFORM GRAPHENE FILMS; GRAPHENE FILMS; STRETCHABLE TRANSPARENT ELECTRODES	4	10,330	2582.50	2009.3
3		HUMAN A(2A) ADENOSINE RECEPTOR BOUND; AGONIST-BOUND HUMAN A(2A) ADENOSINE RECEPTOR; HUMAN M2 MUSCARINIC ACETYLCHOLINE RECEPTOR BOUND; AGONIST-BOUND ADENOSINE A(2A) RECEPTOR STRUCTURES; HUMAN HISTAMINE H-1 RECEPTOR COMPLEX	26	8,661	333.12	2010.7
4		VIVO DIRECT REPROGRAMMING; DIRECT REPROGRAMMING STRATEGY; DIRECT REPROGRAMMING; MOUSE FIBROBLASTS; HUMAN FIBROBLASTS	16	4,459	278.69	2011.1
5		KEPLER PLANET CANDIDATES; KEPLER LONG CADENCE DATA; KEPLER SHORT CADENCE DATA; KEPLERS CANDIDATE MULTIPLE TRANSITING PLANET SYSTEMS; KEPLER INPUT CATALOG	23	4,341	188.74	2011.0
6		HUMAN GUT MICROBIAL GENE CATALOGUE ESTABLISHED; GUT MICROBIAL ENTEROTYPES; HUMAN GUT MICROBIOME; SHAPING GUT MICROBIOTA; ENTEROTYPES	4	3,376	844.00	2010.5
7		ANATASE TIO2 SINGLE CRYSTALS; ANATASE TIO2 NANOSHEETS; VISIBLE LIGHT RESPONSIVE NITROGEN DOPED ANATASE TIO2 SHEETS; ANATASE TIO(2) SINGLE CRYSTALS; ANATASE TIO2 NANOCRYSTALS	8	3,226	403.25	2008.9
8		BIOFUELS INDIRECT LAND USE CHANGE; GREENHOUSE GAS EMISSIONS; GLOBAL LAND USE; GREENHOUSE GASES; LAND CLEARING	4	2,586	646.50	2009.0
9		ACCURATE WHOLE HUMAN GENOME SEQUENCING; DIPLOID GENOME SEQUENCE; COMPLETE GENOME; MASSIVELY PARALLEL DNA SEQUENCING; ASIAN INDIVIDUAL	3	2,455	818.33	2008.0
10		MODEL ORGANISM GENOME ANNOTATION; SORGHUM BICOLOR GENOME; B73 MAIZE GENOME SEQUENCING; BRACHYPODIUM TOOL BOX	4	2,277	569.25	2009.8
11		HEPATITIS C VIRUS RNA GENOME; HEPATITIS C VIRUS GENOMIC RNA; HCV GENOME; HEPATITIS C VIRUS REPLICATION; HEPATITIS C VIRUS TRANSLATION	7	2,078	296.86	2009.7
12		TWO PLASMONIC NANOPARTICLES; QUANTUM PLASMON RESONANCES; NONLOCAL OPTICAL RESPONSE; PLASMONIC NANOPARTICLE DIMER; PLASMONIC NANOSTRUCTURES	18	2,070	115.00	2011.3
13		SWINE-ORIGIN 2009 A(H1N1) INFLUENZA VIRUSES CIRCULATING; 2009 SWINE-ORIGIN H1N1 INFLUENZA; EVOLUTIONARY GENOMICS; GENETIC CHARACTERISTICS; ANTIGENIC	2	1,915	957.50	2009.0
14		PRIMARY HUMAN PROSTATE CANCER; HUMAN PROSTATE CANCER; LETHAL CASTRATION-RESISTANT PROSTATE CANCER; PROSTATE CANCER GENOMES; PTEN-DEFICIENT PROSTATE CANCER	7	1,902	271.71	2011.7
15		PLURIPOTENT STEM CELLS; COPY NUMBER VARIATION; HUMAN ESCS; COPY NUMBER; HUMAN	5	1,876	375.20	2010.8
16		CURRENT MOLECULAR DYNAMICS FORCE FIELDS TOO HELICAL; OPTIMIZED MOLECULAR DYNAMICS FORCE FIELDS APPLIED; AMBER FF99SB PROTEIN FORCE FIELD; PROTEIN FOLDING SIMULATIONS; FORCE FIELD PARAMETERIZATION	8	1,840	230.00	2010.5

生物燃料间接土地利用变化;温室气体排放;全球土地利用状况;温室气体;土地清理

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生物燃料间接土地利用变化;温室气体排放;全球土地利用状况;温室气体;土地清理

CORE PAPERS IN BIOFUELS INDIRECT LAND USE CHANGE; GREENHOUSE GAS EMISSIONS; GLOBAL LAND USE; GREENHOUSE GASES; LAND CLEARING IN MULTIDISCIPLINARY

Sorted by: Citations | SORT AGAIN

1 - 4 (of 4) | Page 1 of 1

1 **Citations:** 1,297

Title: USE OF US CROPLANDS FOR BIOFUELS INCREASES GREENHOUSE GASES THROUGH EMISSIONS FROM LAND-USE CHANGE

Authors: SEARCHINGER T; HEIMLICH R; HOUGHTON RA; DONG FX; ELOBEID A; FABIOSA J; TOKGOZ S; HAYES D; YU TH

Source: SCIENCE
319 (5867): 1238-1240 FEB 29 2008

Addresses: Princeton Univ, Woodrow Wilson Sch, Princeton, NJ 08544 USA.
German Marshall Fund US, Washington, DC 20009 USA.
Georgetown Environm Law & Policy Inst, Washington, DC 20001 USA.
Agr Conservat Econ, Laurel, MD 20723 USA.
Woods Hole Res Ctr, Falmouth, MA 02540 USA.
Iowa State Univ, Ctr Agr & Rural Dev, Ames, IA 50011 USA.

Field: MULTIDISCIPLINARY

4篇论文期刊跨MULTIDISCIPLINARY、ENVIRONMENT/ECOLOGY、BIOLOGY & BIOCHEMISTRY等三个研究领域

2 **Citations:** 1,068

Title: LAND CLEARING AND THE BIOFUEL CARBON DEBT

Authors: FARGIONE J; HILL J; TILMAN D; POLASKY S; HAWTHORNE P

Source: SCIENCE
319 (5867): 1235-1238 FEB 29 2008

Addresses: Univ Minnesota, Dept Ecol Evolut & Behav, St Paul, MN 55108 USA.
Nature Conservancy, Minneapolis, MN 55415 USA.
Univ Minnesota, Dept Appl Econ, St Paul, MN 55108 USA.

Field: ENVIRONMENT/ECOLOGY

3 **Citations:** 120

Title: EFFECTS OF US MAIZE ETHANOL ON GLOBAL LAND USE AND GREENHOUSE GAS EMISSIONS: ESTIMATING MARKET-MEDIATED RESPONSES

如何追踪跨学科学科前沿——研究前沿

70组综合性学科研究前沿

RESEARCH FRONTS RANKINGS IN MULTIDISCIPLINARY

Sorted by: Citations SORT AGAIN

21 - 40 (of 70) [1] 2 [3] [4] Page 2 of 4

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
21		NEURODEGENERATIVE DISEASE; PROTEOSTASIS DEFICIENCY; ADAPTING PROTEOSTASIS; DISEASE INTERVENTION; INDUCIBLE CHAPERONE NETWORKS	3	1,371	457.00	2008.3
22		EUKARYOTIC TRANSCRIPTOME SURVEYED; YEAST GENOME; DYNAMIC REPERTOIRE; RNA SEQUENCING; SINGLE-NUCLEOTIDE RESOLUTION	2	1,298	649.00	2008.0
23		AUTISM SPECTRUM DISORDERS; GLOBAL RARE COPY NUMBER VARIATION; AUTISTIC SPECTRUM DISORDERS; AUTISM IMPLICATE; NOVO VARIANTS	4	1,247	311.75	2010.8
24		ANCESTRAL POLYPLOIDY; POLYPLOIDY; FACILITATING PLANT INVASIONS; VASCULAR PLANTS; SEED PLANTS	8	1,226	153.25	2010.5
25		ACCURATE SHAPE-DIRECTED RNA SECONDARY STRUCTURE MODELING; RNA SECONDARY STRUCTURE PREDICTION; RNA SECONDARY STRUCTURE; ACCURATE SHAPE-DIRECTED RNA STRUCTURE DETERMINATION; MC-SYM PIPELINE INFERS RNA STRUCTURE	11	1,192	108.36	2010.7
26		FEEDING 9 BILLION PEOPLE; CULTIVATED PLANET; FOOD SECURITY; CHALLENGE; SOLUTIONS	2	1,144	572.00	2010.5
27		CLIMATE WARMING; TERRESTRIAL ECTOTHERMS; ECTOTHERMS; LATITUDE; BUFFER COLD-BLOODED ANIMALS	5	1,127	225.40	2009.8
28		CETUXIMAB-RESISTANT COLORECTAL CANCER; COLORECTAL CANCER; EPIDERMAL GROWTH FACTOR RECEPTOR CONFERRING CETUXIMAB RESISTANCE; CANCER THERAPY; ACQUIRED RESISTANCE	9	1,099	122.11	2012.2
29		WHOLE-GENOME ANALYSIS INFORMS BREAST CANCER RESPONSE; BREAST CANCER SUBTYPES; BREAST CANCER; PRIMARY TRIPLE-NEGATIVE BREAST CANCERS; CANCER GENES	4	1,095	273.75	2012.0
30		SYSTEMICALLY ADMINISTERED SIRNA; SIRNA; HUMANS; CYCLODEXTRIN POLYMER-BASED NANOPARTICLE; DELIVERY	2	1,094	547.00	2009.5
31		SOMATIC COPY-NUMBER ALTERATION; HUMAN CANCERS; CANCER GENOME; MUTATION; LANDSCAPE	2	1,013	506.50	2010.0
32		PRECAMBRIAN ATMOSPHERIC OXYGENATION RECORDED; EARTHS EARLY OCEAN; ATMOSPHERIC OXYGEN CORRELATED; FERRUGINOUS CONDITIONS DOMINATED LATER NEOPROTEROZOIC DEEP-WATER CHEMISTRY; LATER CAMBRIAN OCEAN	14	1,011	72.21	2010.9
33		INDIVIDUAL HUMAN MOBILITY PATTERNS; HUMAN MOBILITY; SCALING PROPERTIES; LIMITS; MODELLING	3	999	333.00	2009.3
34		11 BREAST CANCERS; MULTIPLE HUMAN CANCERS; BREAST CANCER KATAEGIS; HUMAN CANCERS; BREAST CANCER	7	936	133.71	2012.7
35		HEALTHY HUMAN MICROBIOME; HUMAN MICROBIOME RESEARCH; FRAMEWORK; FUNCTION; STRUCTURE	2	914	457.00	2012.0
36		MYCOPLASMA GENITALIUM GENOME; CHEMICALLY SYNTHESIZED GENOME; COMPLETE CHEMICAL SYNTHESIS; BACTERIAL CELL ASSEMBLY	2	854	427.00	2009.0
37		NECK SQUAMOUS CELL CARCINOMA; ORAL SQUAMOUS CELL CARCINOMA; NECK CANCER; DEFINES PREDICTIVE BIOMARKERS; HEAD; FREQUENT SOMATIC DRIVERS	4	850	212.50	2012.0
38		SECONDARY ACUTE MYELOID LEUKEMIA; ACUTE MYELOID LEUKEMIA; RELAPSED ACUTE MYELOID LEUKAEMIA; CLONAL EVOLUTION; CLONAL ARCHITECTURE	3	804	268.00	2012.0
39		ADULT HUMAN HEART; CARDIOMYOCYTE RENEWAL; CARDIOMYOGENESIS; HUMANS; EVIDENCE	2	778	389.00	2009.5
40		TOMATO GENOME SEQUENCE PROVIDES INSIGHTS; GENOME SEQUENCE; FLESHY FRUIT EVOLUTION; TUBER CROP POTATO; ANALYSIS	2	750	375.00	2011.5

21 - 40 (of 70) Page 2 of 4

个别人的流动模式;人才流动;缩放属性;极限;建模

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个别人的流动模式;人才流动;缩放属性;极限;建模

CORE PAPERS IN INDIVIDUAL HUMAN MOBILITY PATTERNS; HUMAN MOBILITY; SCALING PROPERTIES; LIMITS; MODELLING IN MULTIDISCIPLINARY

Sorted by: Citations — SORT AGAIN

1 - 3 (of 3) — Page 1 of 1

1 **Citations:** 641 — RESEARCH FRONT | WEB OF SCIENCE

Title: UNDERSTANDING INDIVIDUAL HUMAN MOBILITY PATTERNS

了解不同人的流动模式

Authors: GONZALEZ MC; HIDALGO CA; BARABASI AL

3篇论文跨MULTIDISCIPLINARY、PHYSICS等两个研究领域

Source: NATURE
453 (7196): 779-782 JUN 5 2008

Addresses:
Northeastern Univ, Ctr Complex Network Res, Boston, MA 02115 USA.
Northeastern Univ, Dept Phys Biol & Comp Sci, Boston, MA 02115 USA.
Univ Notre Dame, Ctr Complex Network Res, Notre Dame, IN 46556 USA.
Univ Notre Dame, Dept Phys & Comp Sci, Notre Dame, IN 46556 USA.
Dana Farber Canc Inst, Ctr Canc Syst Biol, Boston, MA 02115 USA.

美国东北大学复杂网络研究中心

Field: MULTIDISCIPLINARY

2 **Citations:** 247 — RESEARCH FRONT | WEB OF SCIENCE

Title: LIMITS OF PREDICTABILITY IN HUMAN MOBILITY

预测人才流动

Authors: SONG CM; QU ZH; BLUMM N; BARABASI AL

Source: SCIENCE
327 (5968): 1018-1021 FEB 19 2010

Addresses:
Northeastern Univ, Ctr Complex Network Res, Dept Phys, Boston, MA 02115 USA.
Northeastern Univ, Ctr Complex Network Res, Dept Biol, Boston, MA 02115 USA.
Northeastern Univ, Ctr Complex Network Res, Dept Comp Sci, Boston, MA 02115 USA.
Dana Farber Canc Inst, Ctr Canc Syst Biol, Boston, MA 02115 USA.
Harvard Univ, Sch Med, Dept Med, Boston, MA 02115 USA.
Univ Elect Sci & Technol China, Sch Engn & Comp Sci, Chengdu 610054, Peoples R China.

Field: PHYSICS

3 **Citations:** 111 — RESEARCH FRONT | WEB OF SCIENCE

Title: MODELLING THE SCALING PROPERTIES OF HUMAN MOBILITY

人才流动的建模

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61 - 70 (of 70) Page 4 of 4

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
61		LYMPHOID CD4 T CELLS ABORTIVELY INFECTED; PYROPTOSIS DRIVES CD4 T-CELL DEPLETION; HIV-1 EVADES INNATE IMMUNE RECOGNITION; CELL DEATH; HIV-1 INFECTION	3	126	42.00	2013.7
62		RESTORING SYSTEMIC GDF11 LEVELS REVERSES AGE-RELATED DYSFUNCTION; YOUNG BLOOD REVERSES AGE-RELATED IMPAIRMENTS; REVERSES AGE-RELATED CARDIAC HYPERTROPHY; YOUNG SYSTEMIC FACTORS; GROWTH DIFFERENTIATION FACTOR 11	4	119	29.75	2013.8
63		DIFFUSE INTRINSIC PONTINE GLIOMA; DIFFUSE INTRINSIC PONTINE GLIOMAS; PEDIATRIC NON-BRAINSTEM HIGH-GRADE GLIOMA; RECURRENT SOMATIC MUTATIONS; ACVR1 MUTATIONS	6	95	15.83	2014.0
64		MYELOMA DRUG LENALIDOMIDE; T CELL REPRESSORS IKAROS; POMALIDOMIDE CO-STIMULATE T CELLS; MULTIPLE MYELOMA CELLS; IMMUNOMODULATORY AGENTS LENALIDOMIDE	3	82	27.33	2014.0
65		ZAIRE EBOLA VIRUS DISEASE; EBOLA VIRUS DISEASE; GENOMIC SURVEILLANCE ELUCIDATES EBOLA VIRUS ORIGIN; ZOONOTIC NICHE; 2014 OUTBREAK	3	76	25.33	2014.0
66		HOLE-CONDUCTOR-FREE PEROVSKITE ORGANIC LEAD IODIDE HETEROJUNCTION THIN-FILM SOLAR CELLS; HOLE-CONDUCTOR-FREE MESOSCOPIC TIO2/CH3NH3PBI3 HETEROJUNCTION SOLAR CELLS BASED; HIGHLY EFFICIENT HOLE CONDUCTOR FREE CH3NH3PBI3 PEROVSKITE SOLAR CELLS; FULLY PR	4	73	18.25	2014.0
67		DECOMPOSERS DRIVES SOIL CARBON STORAGE; MYCORRHIZAL-ASSOCIATED NUTRIENT ECONOMY; TEMPERATE FORESTS; CARBON-NUTRIENT COUPLINGS; MODELING PERSPECTIVES	3	49	16.33	2013.7
68		ENDOTHELIAL CELL-DERIVED ANGIOPOIETIN-2 CONTROLS LIVER REGENERATION; VASCULAR NICHE BALANCE LIVER REGENERATION; DIVERGENT ANGIOCRINE SIGNALS; SPATIOTEMPORAL RHEOSTAT; FIBROSIS	2	44	22.00	2014.0
69		FILOVIRUS DISEASES; FILOVIRUS INFECTIONS; ADVANCED EBOLA VIRUS INFECTION; BROAD-SPECTRUM NUCLEOSIDE ANALOGUE BCX4430; SMALL ANIMAL MODEL	3	38	12.67	2014.0
70		HIGHLY MULTIPLEXED SUBCELLULAR RNA SEQUENCING; VIVO ANALYSIS (TIVA); LIVE TISSUE; SINGLE CELLS; SITU	2	25	12.50	2014.0

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出版年：2014

钙钛矿型甲胺铅碘薄膜太阳能电池，高效率的无空穴传输材料的钙钛矿型太阳能电池

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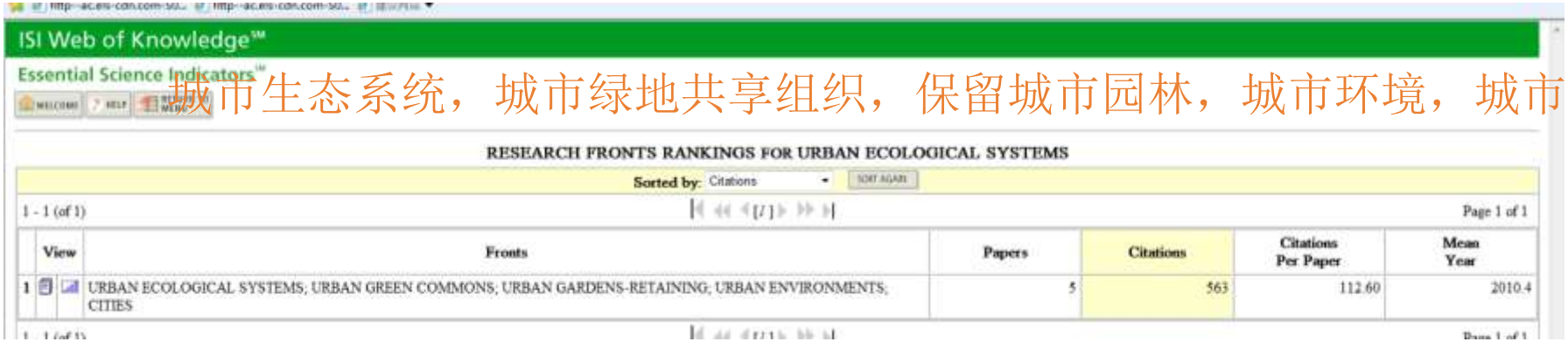

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RESEARCH FRONTS RANKINGS FOR URBAN ECOLOGICAL SYSTEMS

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		URBAN ECOLOGICAL SYSTEMS; URBAN GREEN COMMONS; URBAN GARDENS-RETAINING; URBAN ENVIRONMENTS; CITIES	5	563	112.60	2010.4

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RESEARCH FRONTS RANKINGS FOR CONSUMER RETAIL FOOD ENVIRONMENTS GLOBALLY

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1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		MONITORING FOOD; MONITORING FOODS; CONSUMER RETAIL FOOD ENVIRONMENTS GLOBALLY; MONITORING; FOOD COMPANIES CALORIE-REDUCTION PLEDGES	10	108	10.80	2012.9

1 - 1 (of 1) Page 1 of 1

监测食品，监测食品，全球消费者食品零售环境;监测;食品公司卡路里—减少保证

如何追踪跨学科学科前沿——研究前沿

淡水生物多样性保护;淡水保护规划;系统保护规划;人力水源安全;淡水生态区

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RESEARCH FRONTS RANKINGS FOR FRESHWATER BIODIVERSITY CONSERVATION

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1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		FRESHWATER BIODIVERSITY CONSERVATION; FRESHWATER CONSERVATION PLANNING; SYSTEMATIC CONSERVATION PLANNING; HUMAN WATER SECURITY; FRESHWATER ECOREGIONS	6	643	107.17	2010.3

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RESEARCH FRONTS RANKINGS FOR MANGROVE ECOSYSTEMS

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		MANGROVE FORESTS; MANGROVE ECOSYSTEMS; MANGROVE ESTABLISHMENT; CARBON-RICH FORESTS; GLOBAL CLIMATE CHANGE	11	934	84.91	2009.2

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RESEARCH FRONTS RANKINGS FOR FACEBOOK ACTIVITIES

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1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		FACEBOOK USE; SOCIAL NETWORKING WEB SITES; USES FACEBOOK; FACEBOOK ACTIVITIES; FACEBOOK USAGE	14	906	64.71	2009.5

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心理压力，压力，向心性肥胖，饮食习惯，吃

RESEARCH FRONTS RANKINGS FOR EATING BEHAVIOR

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1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		PSYCHOSOCIAL STRESS; STRESS; CENTRAL OBESITY; EATING BEHAVIOR; EATING	4	522	130.50	2007.5

1 - 1 (of 1) Page 1 of 1

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细颗粒空气污染;颗粒组成;入院;化学成分;紧急情况入住

RESEARCH FRONTS RANKINGS FOR FINE PARTICLE AIR POLLUTION

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		FINE PARTICLE AIR POLLUTION; PARTICLE COMPOSITION; HOSPITAL ADMISSIONS; CHEMICAL COMPOSITION; EMERGENCY ADMISSIONS	4	331	82.75	2008.5

1 - 1 (of 1) Page 1 of 1

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适应气候变化;气候变化的政策响应;气候变化脆弱性研究，气候变化造成的影响，气候变化

RESEARCH FRONTS RANKINGS FOR CLIMATE CHANGE ADAPTATION

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		CLIMATE CHANGE ADAPTATION; CLIMATE CHANGE POLICY RESPONSES; CLIMATE CHANGE VULNERABILITY RESEARCH; CLIMATE CHANGE IMPACTS; CLIMATE CHANGE	13	508	39.08	2010.8

1 - 1 (of 1) Page 1 of 1

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海水酸化影响海胆幼体发育，二氧化碳驱使海洋酸化根本上影响幼体成活率;不久的将来海洋酸化，二氧化碳驱使海洋酸化，二氧化碳致使海洋酸化

RESEARCH FRONTS RANKINGS FOR CO2-INDUCED OCEAN ACIDIFICATION

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		SEAWATER ACIDIFICATION IMPACTS SEA URCHIN LARVAL DEVELOPMENT I; CO2-DRIVEN OCEAN ACIDIFICATION RADICALLY AFFECTS LARVAL SURVIVAL; NEAR-FUTURE OCEAN ACIDIFICATION; CO2-DRIVEN OCEAN ACIDIFICATION; CO2-INDUCED OCEAN ACIDIFICATION	24	2,186	91.08	2009.8

1 - 1 (of 1) Page 1 of 1

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农作物用水生产率最大化; 联合国世界粮农组织模型;农业水分生产率;生物质水的生产力，减少农业用水

RESEARCH FRONTS RANKINGS FOR REDUCING AGRICULTURAL WATER USE

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		MAXIMIZE CROP WATER PRODUCTIVITY; AQUACROP-THE FAO CROP MODEL; AGRICULTURAL WATER PRODUCTIVITY; BIOMASS WATER PRODUCTIVITY; REDUCING AGRICULTURAL WATER USE	8	654	81.75	2008.8

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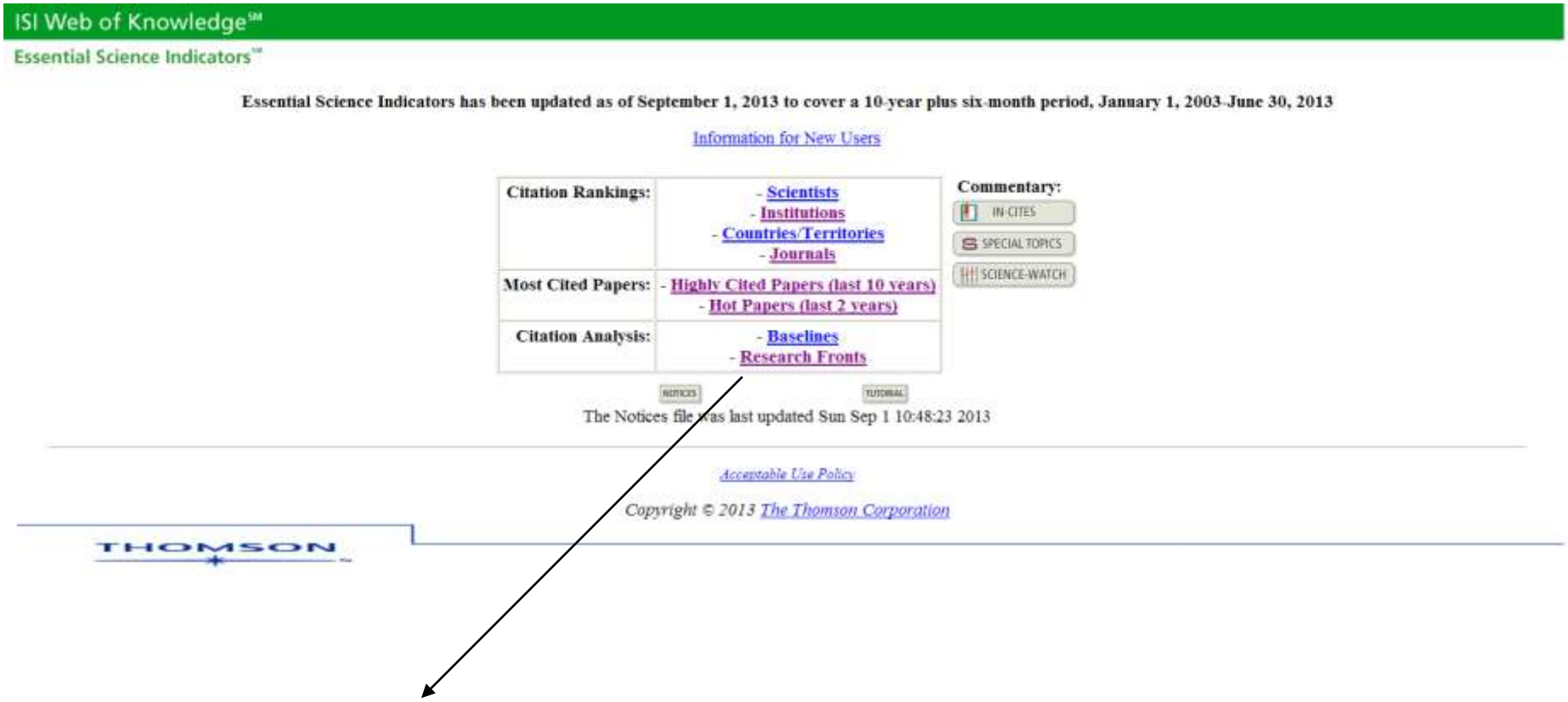

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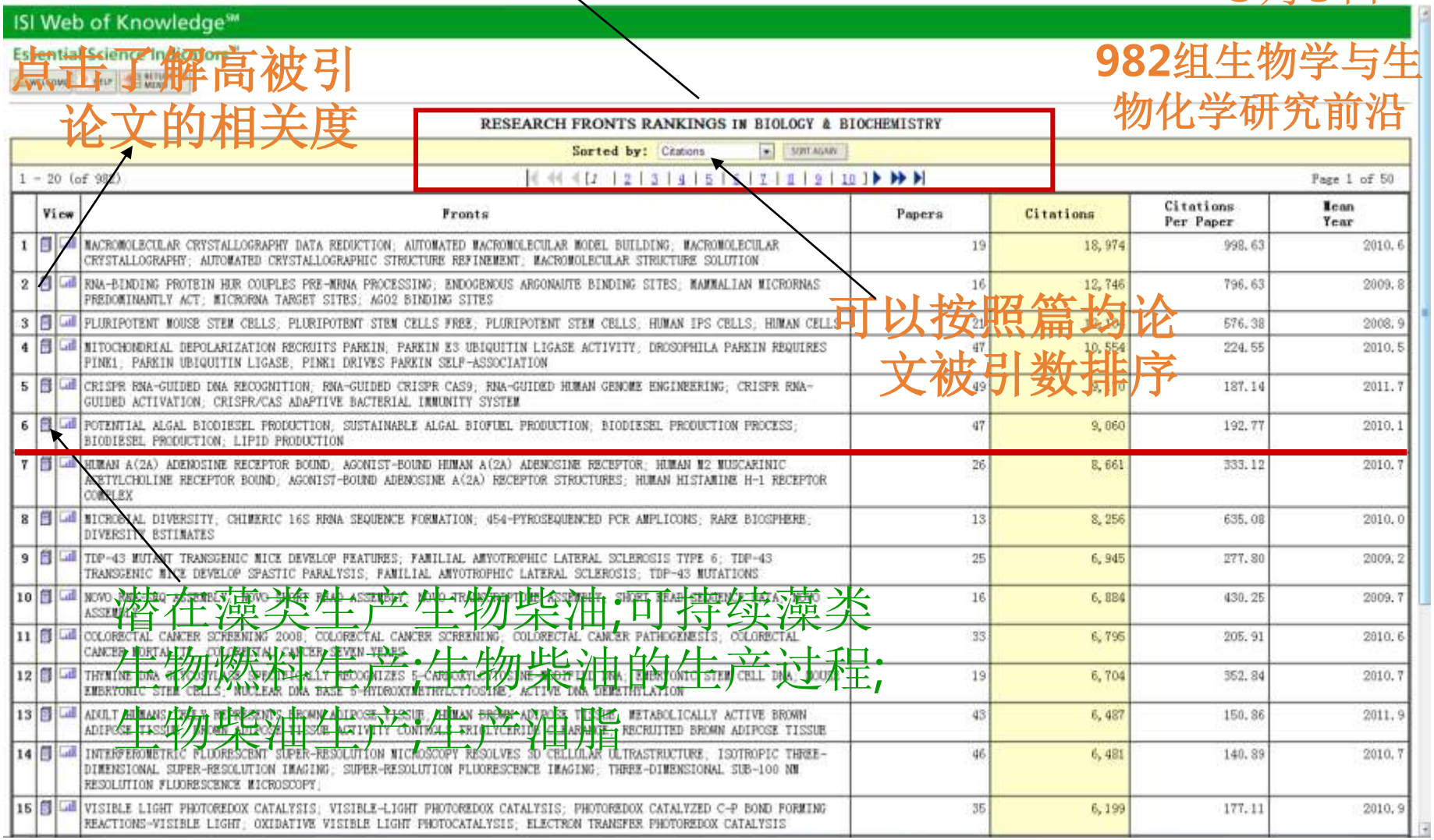
3月5日



RESEARCH FRONTS RANKINGS IN BIOLOGY & BIOCHEMISTRY

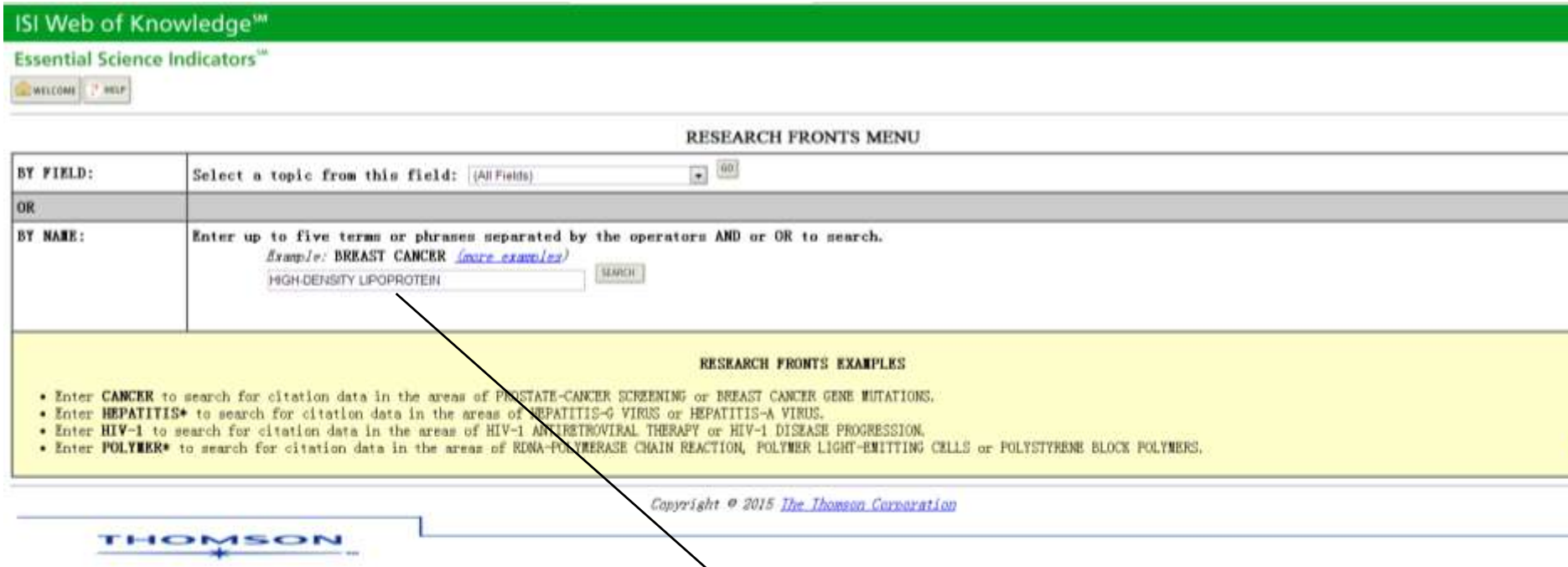
Sorted by: Citations SORT AGAIN

1 - 20 (of 982) [1] 2 3 4 5 6 7 8 9 10 Page 1 of 50

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		MACROMOLECULAR CRYSTALLOGRAPHY DATA REDUCTION; AUTOMATED MACROMOLECULAR MODEL BUILDING; MACROMOLECULAR CRYSTALLOGRAPHY; AUTOMATED CRYSTALLOGRAPHIC STRUCTURE REFINEMENT; MACROMOLECULAR STRUCTURE SOLUTION	19	18,974	998.63	2010.6
2		RNA-BINDING PROTEIN HUR COUPLES PRE-MRNA PROCESSING; ENDOGENOUS ARGONAUTE BINDING SITES; MAMMALIAN MICRORNAS PREDOMINANTLY ACT; MICRORNA TARGET SITES; AGO2 BINDING SITES	16	12,746	796.63	2009.8
3		PLURIPOTENT MOUSE STEM CELLS; PLURIPOTENT STEM CELLS FREE; PLURIPOTENT STEM CELLS; HUMAN IPS CELLS; HUMAN CELLS	21	12,108	576.38	2008.9
4		MITOCHONDRIAL DEPOLARIZATION RECRUITS PARKIN; PARKIN E3 UBIQUITIN LIGASE ACTIVITY; DROSOPHILA PARKIN REQUIRES PINK1; PARKIN UBIQUITIN LIGASE; PINK1 DRIVES PARKIN SELF-ASSOCIATION	47	10,554	224.55	2010.5
5		CRISPR RNA-GUIDED DNA RECOGNITION; RNA-GUIDED CRISPR CAS9; RNA-GUIDED HUMAN GENOME ENGINEERING; CRISPR RNA-GUIDED ACTIVATION; CRISPR/CAS ADAPTIVE BACTERIAL IMMUNITY SYSTEM	49	9,170	187.14	2011.7
6		POTENTIAL ALGAL BIODIESEL PRODUCTION; SUSTAINABLE ALGAL BIOFUEL PRODUCTION; BIODIESEL PRODUCTION PROCESS; BIODIESEL PRODUCTION; LIPID PRODUCTION	47	9,060	192.77	2010.1
7		HUMAN A(2A) ADENOSINE RECEPTOR BOUND; AGONIST-BOUND HUMAN A(2A) ADENOSINE RECEPTOR; HUMAN M2 MUSCARINIC ACETYLCHOLINE RECEPTOR BOUND; AGONIST-BOUND ADENOSINE A(2A) RECEPTOR STRUCTURES; HUMAN HISTAMINE H-1 RECEPTOR COMPLEX	26	8,661	333.12	2010.7
8		MICROBIAL DIVERSITY; CHIMERIC 16S RRNA SEQUENCE FORMATION; 454-PYROSEQUENCED PCR AMPLICONS; RARE BIOSPHERE; DIVERSITY ESTIMATES	13	8,256	635.08	2010.0
9		TDP-43 MUTANT TRANSGENIC MICE DEVELOP FEATURES; FAMILIAL AMYOTROPHIC LATERAL SCLEROSIS TYPE 6; TDP-43 TRANSGENIC MICE DEVELOP SPASTIC PARALYSIS; FAMILIAL AMYOTROPHIC LATERAL SCLEROSIS; TDP-43 MUTATIONS	25	6,945	277.80	2009.2
10		NOVO [illegible] ASSEMBLY; [illegible] ASSEMBLY	16	6,884	430.25	2009.7
11		COLORECTAL CANCER SCREENING 2008; COLORECTAL CANCER SCREENING; COLORECTAL CANCER PATHOGENESIS; COLORECTAL CANCER MORTALITY; COLORECTAL CANCER SEVEN-YEARS	33	6,795	205.91	2010.6
12		THYMINE DNA GLYCOSYLASE SPECIFICALLY RECOGNIZES 5-CARBOXYLCYTOSINE [illegible] DNA; EMBRYONIC STEM CELL DNA; MOUSE EMBRYONIC STEM CELLS; NUCLEAR DNA BASE 5-HYDROXYMETHYLCYTOSINE; ACTIVE DNA DEMETHYLATION	19	6,704	352.84	2010.7
13		ADULT HUMANS [illegible] BROWN ADIPOSE TISSUE; HUMAN BROWN ADIPOSE TISSUE; METABOLICALLY ACTIVE BROWN ADIPOSE TISSUE; [illegible] ACTIVITY CONTROLS TRIGLYCERIDE CLEARANCE; RECRUITED BROWN ADIPOSE TISSUE	43	6,487	150.86	2011.9
14		INTERFEROMETRIC FLUORESCENT SUPER-RESOLUTION MICROSCOPY RESOLVES 3D CELLULAR ULTRASTRUCTURE; ISOTROPIC THREE-DIMENSIONAL SUPER-RESOLUTION IMAGING; SUPER-RESOLUTION FLUORESCENCE IMAGING; THREE-DIMENSIONAL SUB-100 NM RESOLUTION FLUORESCENCE MICROSCOPY;	46	6,481	140.89	2010.7
15		VISIBLE LIGHT PHOTOREDOX CATALYSIS; VISIBLE-LIGHT PHOTOREDOX CATALYSIS; PHOTOREDOX CATALYZED C-P BOND FORMING REACTIONS-VISIBLE LIGHT; OXIDATIVE VISIBLE LIGHT PHOTOCATALYSIS; ELECTRON TRANSFER PHOTOREDOX CATALYSIS	35	6,199	177.11	2010.9

追踪生物学与生物化学跨学科前沿——研究前沿

追踪生物学与生物化学跨学科前沿——研究前沿



输入：HIGH-DENSITY LIPOPROTEIN

追踪高密度脂蛋白跨学科前沿

追踪生物学与生物化学跨学科前沿——研究前沿

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RESEARCH FRONTS RANKINGS FOR HIGH-DENSITY LIPOPROTEIN

Sorted by: Citations SORT AGAIN

1 - 5 (of 5) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		HIGH-DENSITY LIPOPROTEIN VASCULAR PROTECTIVE EFFECTS; HIGH-DENSITY LIPOPROTEIN CHOLESTEROL LEVELS; SIMILAR HIGH-DENSITY LIPOPROTEIN CHOLESTEROL; HIGH-DENSITY LIPOPROTEIN CHOLESTEROL; HIGH-DENSITY LIPOPROTEIN FUNCTION	48	7,730	161.04	2011.2
2		PLASMA HIGH-DENSITY LIPOPROTEIN LEVELS; PLASMA HIGH-DENSITY LIPOPROTEIN; CONTROL CHOLESTEROL HOMEOSTASIS; FATTY ACID METABOLISM; CHOLESTEROL METABOLISM	10	1,049	104.90	2011.4
3		LOW-DENSITY LIPOPROTEIN (LDL) CHOLESTEROL; LOW-DENSITY LIPOPROTEIN CHOLESTEROL; NON-HIGH-DENSITY LIPOPROTEIN CHOLESTEROL; LDL CHOLESTEROL; NON-HDL CHOLESTEROL	5	367	73.40	2011.8
4		NON-HIGH-DENSITY LIPOPROTEIN CHOLESTEROL REDUCTION; CORONARY HEART DISEASE RISK; STATIN TREATMENT; CARDIOVASCULAR EVENTS; RELATIONSHIP	2	310	155.00	2008.5
5		LOW DENSITY LIPOPROTEIN (LDL) SUBCLASSES; DYSFUNCTIONAL HDL; CLINICAL SIGNIFICANCE; EXPERT PANEL STATEMENT; RAISING HIGH-DENSITY LIPOPROTEIN CHOLESTEROL (HDL-C)	6	269	44.83	2012.5

1 - 5 (of 5) Page 1 of 1

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高密度脂蛋白血管保护作用;高密度脂蛋白胆固醇;相似的高密度脂蛋白胆固醇;高密度脂蛋白胆固醇;高密度脂蛋白的功能

追踪生物学与生物化学跨学科前沿——研究前沿

高密度脂蛋白血管保护作用;高密度脂蛋白胆固醇;相似的高密度脂蛋白胆固醇;高密度脂蛋白胆固醇;高密度脂蛋白的功能

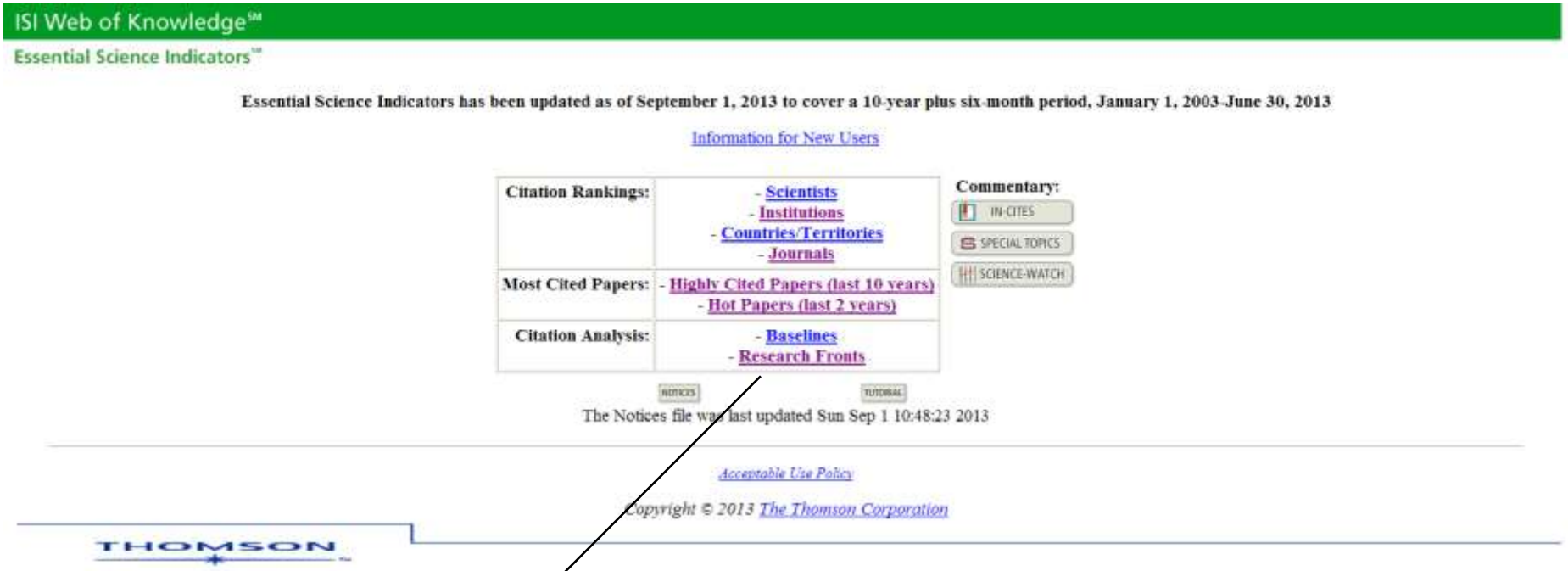
48篇高被引论文的相关度，篇均被引161.04次

平均出版年
2011.2

学科涉及CLINICAL MEDICINE、PHARMACOLOGY & TOXICOLOGY、IMMUNOLOGY、MOLECULAR BIOLOGY & GENETICS四个学科

如何追踪经济学与商学学科前沿——研究前沿

追踪经济学与商学学科前沿——研究前沿

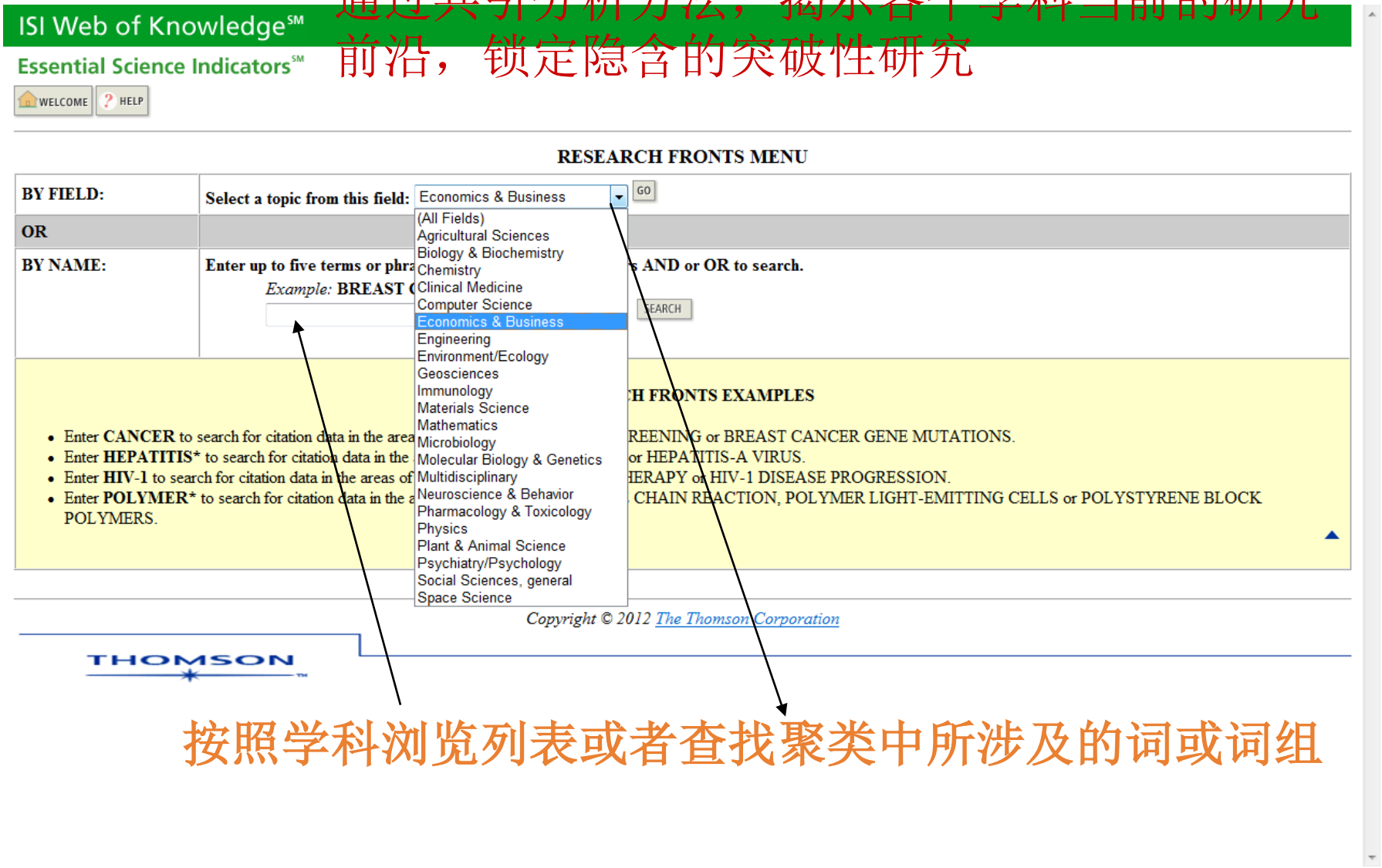


点击研究前沿（Research Fronts）

——了解各学科交叉学科前沿

追踪经济学与商学学科前沿——研究前沿

通过共引分析方法，揭示各个学科当前的研究前沿，锁定隐含的突破性研究



按照学科浏览列表或者查找聚类中所涉及的词或词组

追踪经济学与商学学科前沿——研究前沿

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259组经济学与商学研究前沿

RESEARCH FRONTS RANKINGS IN ECONOMICS & BUSINESS

Sorted by: Citations SORT AGAIN

1 - 20 (of 259) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Page 1 of 13

可以按照篇均论文被引数排序

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		TESTING INDIRECT EFFECTS; COMPARING INDIRECT EFFECTS; MULTIPLE MEDIATOR MODELS; COMPLEX MODELS; RESAMPLING STRATEGIES	3	4,756	1585.33	2008.7
2		SUBJECTIVE WELL-BEING MEASURES; SUBJECTIVE WELL-BEING; POSITIVE PSYCHOLOGICAL WELL-BEING; EMOTIONAL WELL-BEING; PSYCHOLOGICAL WELL-BEING	26	2,869	110.35	2009.7
3		RARE DISASTERS EXPLAIN AGGREGATE STOCK MARKET VOLATILITY; EXPECTED STOCK RETURNS; ULTRA HIGH FREQUENCY VOLATILITY ESTIMATION; STOCK RETURNS; REALIZED VOLATILITY	40	2,766	69.15	2009.8
4		GLOBAL TRADE ANALYSIS PROJECT DATABASE (GTAP-MRIO); MULTI-REGION INPUT-OUTPUT ANALYSIS; GLOBAL MULTI-REGION INPUT-OUTPUT DATABASE; GLOBAL MULTI-REGIONAL ENVIRONMENTALLY EXTENDED INPUT-OUTPUT DATABASE; EMBODIED CARBON DIOXIDE EMISSION	41	2,[illegible]	62.61	2011.2
5		ENERGY CONSUMPTION NEXUS; RENEWABLE ENERGY CONSUMPTION; ENERGY CONSUMPTION EFFECTIVE; ENERGY CONSUMPTION; ECONOMIC GROWTH NEXUS	38	2,[illegible]	62.00	2010.2
6		PAYMENTS SUPPLY ENVIRONMENTAL SERVICES; ENVIRONMENTAL SERVICES PROGRAMS; ENVIRONMENTAL SERVICES; ECOSYSTEM SERVICES; HYDROLOGICAL SERVICES	16	1,944	121.50	2009.1
7		NETWORK DATA ENVELOPMENT ANALYSIS MODEL; NETWORK DATA ENVELOPMENT ANALYSIS; TWO-STAGE DATA ENVELOPMENT ANALYSIS; DATA ENVELOPMENT ANALYSIS (DEA); MEASURING ECONOMY-WIDE ENERGY EFFICIENCY PERFORMANCE	39	1,725	44.23	2011.4
8		ENVIRONMENTAL [illegible] MANAGEMENT [illegible] SUPPLY [illegible] MANAGEMENT INNOVATION DIFFUSION	20	1,541	77.05	2010.6
9		REAL EARNINGS MANAGEMENT ACTIVITIES; [illegible] INCENTIVES; SOX INTERNAL CONTROL DEFICIENCIES; EQUITY RISK INCENTIVES	20	1,494	74.70	2010.1
10		WORK ENGAGEMENT; JOB ENGAGEMENT; EMPLOYEE ENGAGEMENT; JOB RESOURCES; JOB PERFORMANCE	10	1,449	144.90	2009.1
11		EVALUATING AMAZONS MECHANICAL TURK, AMAZONS MECHANICAL TURK; AMAZON MECHANICAL TURK; EXPERIMENTAL BEHAVIORAL RESEARCH; CONDUCTING BEHAVIORAL RESEARCH	13	1,430	110.00	2012.4
12		ESTIMATING STANDARD ERRORS; STANDARD ERRORS; FINANCE PANEL DATA SETS; ROBUST INFERENCE; SIMPLE FORMULAS	4	1,418	354.50	2010.3
13		GLOBAL TALENT MANAGEMENT; STRATEGIC TALENT MANAGEMENT; OPEN INNOVATION AFFECTS; OPEN INNOVATION; TALENT MANAGEMENT DECISION	38	1,360	35.79	2011.5
14		ONLINE PRODUCT REVIEWS; ONLINE CONSUMER REVIEWS; ONLINE HOTEL REVIEWS; ONLINE REVIEWS MATTER; ONLINE USER REVIEWS	17	1,326	78.00	2009.5
15		SUSTAINABILITY TRANSITIONS; CITIES SHAPE SOCIO-TECHNICAL TRANSITIONS; SOCIO-TECHNICAL TRANSITIONS (TO SUSTAINABILITY); TECHNOLOGICAL INNOVATION SYSTEMS; GOVERNING TRANSITIONS	18	1,223	67.94	2010.3
16		MULTIPLE CRITERIA METHODS; MULTIPLE CRITERIA ASSESSMENT; RANKING RESULTS APPLYING PARTICULAR MCDM METHODS;	18	1,124	62.44	2010.0

能源消费关系;可再生能源消费;能耗高;能耗;经济增长的关系

追踪经济学与商学学科前沿——研究前沿

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16篇高被引论文的相关度，篇均被引62次

CORE PAPERS IN PAYMENTS SUPPLY ENVIRONMENTAL SERVICES; ENVIRONMENTAL SERVICES PROGRAMS; ENVIRONMENTAL SERVICES; ECOSYSTEM SERVICES; HYDROLOGICAL SERVICES IN ECONOMICS & BUSINESS

Sorted by: Citations

1 - 16 (of 16) Page 1 of 1

1 Citations: 325

Title: DESIGNING PAYMENTS FOR ENVIRONMENTAL SERVICES IN THEORY AND PRACTICE: AN OVERVIEW OF THE ISSUES

Authors: ENGEL S. PAGIOLA S. WUNDER S

Source: ECOL ECON
65 (4): 663-674 MAY 1 2008

Addresses: ETH, Inst Environm Decis, CH-8092 Zurich, Switzerland.
World Bank, Dept Environm, Washington, DC 20433 USA.
Embrapa Amazonia Oriental, CIFOR, BR-66095780 Belem, Para, Brazil.

Field: ECONOMICS & BUSINESS

2 Citations: 205

Title: TAKING STOCK: A COMPARATIVE ANALYSIS OF PAYMENTS FOR ENVIRONMENTAL SERVICES PROGRAMS IN DEVELOPED AND DEVELOPING COUNTRIES

Authors: WUNDER S. ENGEL S. PAGIOLA S

Source: ECOL ECON
65 (4): S34-S52 MAY 1 2008

Addresses: Embrapa Amazonia Oriental, CIFOR, BR-66095780 Belem, Para, Brazil.
ETH, Inst Environm Decis, CH-8092 Zurich, Switzerland.
World Bank, Dept Environm, Washington, DC 20433 USA.

Field: ECONOMICS & BUSINESS

3 Citations: 141

Title: ECOSYSTEM SERVICES: FROM EYE-OPENING METAPHOR TO COMPLEXITY BLINDER

Authors: NORGAARD RB

追踪经济学与商学学科前沿——研究前沿

研究前沿的数据连续记录了分散的研究领域的发生、汇聚、发展、萎缩、消散和形 成分支而后组织成为更新的研究活动节点


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RESEARCH FRONTS RANKINGS FOR RENEWABLE ENERGY CONSUMPTION

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		RENEWABLE ENERGY CONSUMPTION; ENERGY CONSUMPTION; ECONOMIC GROWTH RELATIONSHIP; ECONOMIC GROWTH NEXUS; ECONOMIC GROWTH	31	1,615	52.10	2009.5

1 - 1 (of 1) Page 1 of 1

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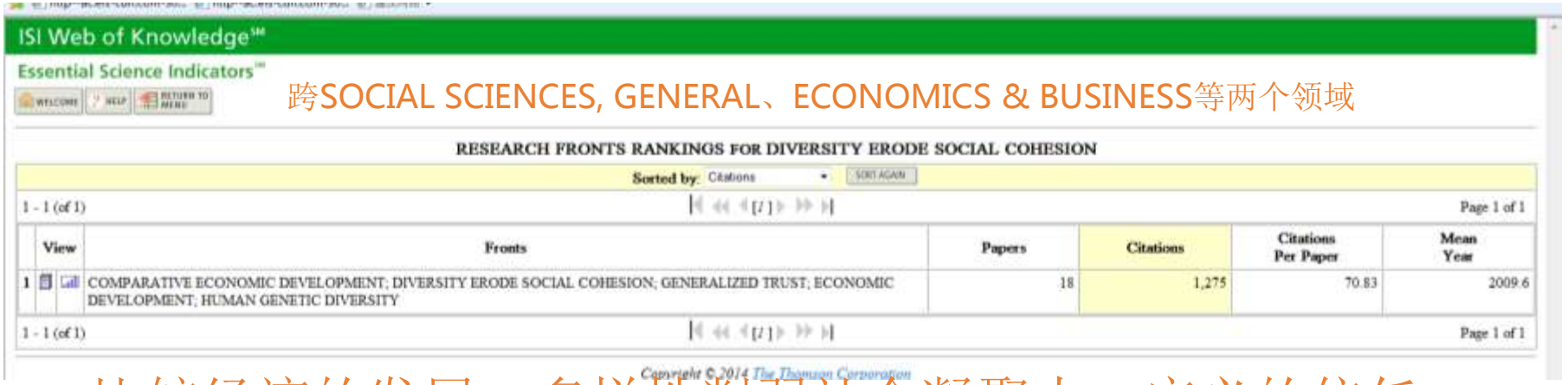
跨SOCIAL SCIENCES, GENERAL、ECONOMICS & BUSINESS等两个领域

可再生能源消费；能源消费；经济增长的关系；经济增长的连结；经济增长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跨SOCIAL SCIENCES, GENERAL、ECONOMICS & BUSINESS等两个领域

RESEARCH FRONTS RANKINGS FOR DIVERSITY ERODE SOCIAL COHESION

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		COMPARATIVE ECONOMIC DEVELOPMENT; DIVERSITY ERODE SOCIAL COHESION; GENERALIZED TRUST; ECONOMIC DEVELOPMENT; HUMAN GENETIC DIVERSITY	18	1,275	70.83	2009.6

1 - 1 (of 1) Page 1 of 1

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比较经济的发展；多样性削弱社会凝聚力；广义的信任；经济发展；遗传多样性

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RESEARCH FRONTS RANKINGS IN ECONOMICS & BUSINESS

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按出版年排

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		CONVERTIBLE BOND ISSUERS CONCURRENT TRANSACTIONS; CASH-SETTLED CONVERTIBLE BONDS; CONVERTIBLE BOND FINANCING; CONVERTIBLE BONDS; CONVERTIBLE DEBT	6	23	3.83	2014.0
2		GEOPOLITICAL FORECASTING TOURNAMENT; AGGREGATED PROBABILITY FORECASTS; PSYCHOLOGICAL STRATEGIES; TWO REASONS; EXTREME	2	8	4.00	2014.0
3		INTER-SECTORAL IMPACT MODEL INTERCOMPARISON PROJECT ENSEMBLE; INTER-SECTORAL IMPACT MODEL INTERCOMPARISON PROJECT (ISI-MIP); MULTISECTORAL CLIMATE IMPACT HOTSPOTS; CLIMATE CHANGE EFFECTS; CLIMATE CHANGE	7	78	11.14	2014.0
4		SMALLHOLDER LIVESTOCK SYSTEMS; LIVESTOCK FEEDS; PRODUCTION SYSTEMS; AGRICULTURAL MULTI-MARKET MODELS; ANIMAL DISEASE OUTBREAKS	5	21	4.20	2014.0
5		CONTINUOUS TIME; AMBIGUOUS VOLATILITY; G-BROWNIAN MOTION; BACKWARD STOCHASTIC DIFFERENTIAL EQUATIONS DRIVEN; BSDES DRIVEN	4	24	6.00	2013.8
6		INTERMEDIARY ASSET PRICING; INSTITUTIONAL THEORY; MACROECONOMIC MODEL; FINANCIAL SECTOR; MOMENTUM	3	35	11.67	2013.3
7		REINVENTING MARKETING STRATEGY; STRATEGIC MARKETING IMPERATIVE; MARKETING DEPARTMENTS; MARKETING BACK; MARKETING	7	104	14.86	2013.3
8		MOTIVATING INNOVATION; CORPORATE INNOVATION; INNOVATION; FIRM BOUNDARIES MATTER; GO PUBLIC	5	88	17.60	2013.2
9		AIR POLLUTION CONTROL; LIFE EXPECTANCY; AIR POLLUTION; CHINAS HUAI RIVER POLICY; 545 US COUNTIES	2	64	32.00	2013.0
10		ANALYSIS & COMMENTARY REDESIGNING PRIMARY CARE; WILT FIX HEALTH CARE; STRATEGIC VISION; PATIENTS NEEDS; VALUE	2	33	16.50	2013.0
11		ASSESSING REGIONAL VIRTUAL WATER FLOWS; DOMESTIC VIRTUAL WATER TRADE; PROVINCIAL WATER FOOTPRINT; WATER FOOTPRINTS; CHINA	2	28	14.00	2013.0
12		CHARISMATICTRANSFORMATIONAL LEADERSHIP RESEARCH; DESTRUCTIVE LEADERSHIP; BAD LEADERS; BAD; CRITICAL ASSESSMENT	2	45	22.50	2013.0
13		CLIMATE CHANGE POLICY; CLIMATE CHANGE; ALREADY NARROW SCIENCE MODELS; MODELS TELL US; GRAFTING GROSS UNDERESTIMATION	2	35	17.50	2013.0
14		CLIMATE CHANGE RESEARCH; CLIMATE CHANGE ANALYSIS; CLIMATE CHANGE; AGMIP GLOBAL ECONOMIC MODEL INTERCOMPARISON; GLOBAL AGRO- ECONOMIC MODEL COMPARISON	15	379	25.27	2013.0
15		EU EMISSIONS TRADING SCHEME; EMISSIONS TRADING SCHEME; SUPPORT SCHEMES; SUPPORT MITIGATION; SUPPORT	3	38	12.67	2013.0
16		GROUP-LEVEL PROSPECTIVE SENSEMAKING; TOP TEAM MEETINGS; EMOTIONAL DYNAMICS; MEETING PRACTICES; ORGANIZING THOUGHTS	2	24	12.00	2013.0
17		INEQUALITY DECOMPOSITION VALUES; DECOMPOSITION PROCEDURES; UNIFIED FRAMEWORK BASED; DISTRIBUTIONAL ANALYSIS; SHAPLEY VALUE	2	24	12.00	2013.0
18		INSTITUTIONAL THEORY PERSPECTIVE; MAINSTREAM MARKETS; MARKET-MEDIATED PRACTICE; TASTE REGIMES; CONSUMER QUESTS	2	23	11.50	2013.0

气候变化

空气污染管制;预期寿命;空气污染;我国淮河政策; 545个美国的县市

追踪经济学与商学学科前沿——研究前沿

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WELCOME | ? HELP | RETURN TO MENU | RETURN TO RANKINGS

CORE PAPERS IN AIR POLLUTION CONTROL; LIFE EXPECTANCY; AIR POLLUTION; CHINAS HUAI RIVER POLICY; 545 US COUNTIES IN ECONOMICS & BUSINESS

Sorted by: Citations | SORT AGAIN

1 - 2 (of 2) [1] Page 1 of 1

1 Citations: 38 | HOT PAPER | RESEARCH FRONT | WEB OF SCIENCE

Title: EVIDENCE ON THE IMPACT OF SUSTAINED EXPOSURE TO AIR POLLUTION ON LIFE EXPECTANCY FROM CHINAS HUAI RIVER POLICY

Authors: CHEN YY, EBENSTEIN A, GREENSTONE M, LI HB

Source: PROC NAT ACAD SCI USA
110 (32): 12936-12941 AUG 6 2013

Addresses: Peking Univ, Appl Econ Dept, Guanghua Sch Management, Beijing 100871, Peoples R China.
Hebrew Univ Jerusalem, Dept Econ, IL-91905 Mt Scopus, Israel.
MIT, Dept Econ, Cambridge, MA 02142 USA.
Natl Bur Econ Res, Cambridge, MA 02138 USA.
Tsinghua Univ, China Data Ctr, Beijing 100084, Peoples R China.
Tsinghua Univ, Dept Econ, Sch Econ & Management, Beijing 100084, Peoples R China.

Field: ECONOMICS & BUSINESS

2 Citations: 26 | RESEARCH FRONT | WEB OF SCIENCE

Title: EFFECT OF AIR POLLUTION CONTROL ON LIFE EXPECTANCY IN THE UNITED STATES AN ANALYSIS OF 545 US COUNTIES FOR THE PERIOD FROM 2000 TO 2007

Authors: CORREIA AW, POPE CA, DOCKERY DW, WANG Y, EZZATI M, DOMINICI F

Source: EPIDEMIOLOGY
24 (1): 23-31 JAN 2013

Addresses: Harvard Univ, Sch Publ Hlth, Dept Biostat, Boston, MA 02115 USA.
Brigham Young Univ, Dept Econ, Provo, UT 84602 USA.
Harvard Univ, Sch Publ Hlth, Dept Environm Hlth, Boston, MA 02115 USA.
Harvard Univ, Sch Publ Hlth, Dept Epidemiol, Boston, MA 02115 USA.
Univ London Imperial Coll Sci Technol & Med, MRC HPA Ctr Environm & Hlth, London, England.
Univ London Imperial Coll Sci Technol & Med, Dept Epidemiol & Biostat, London, England.

Field: SOCIAL SCIENCES, GENERAL

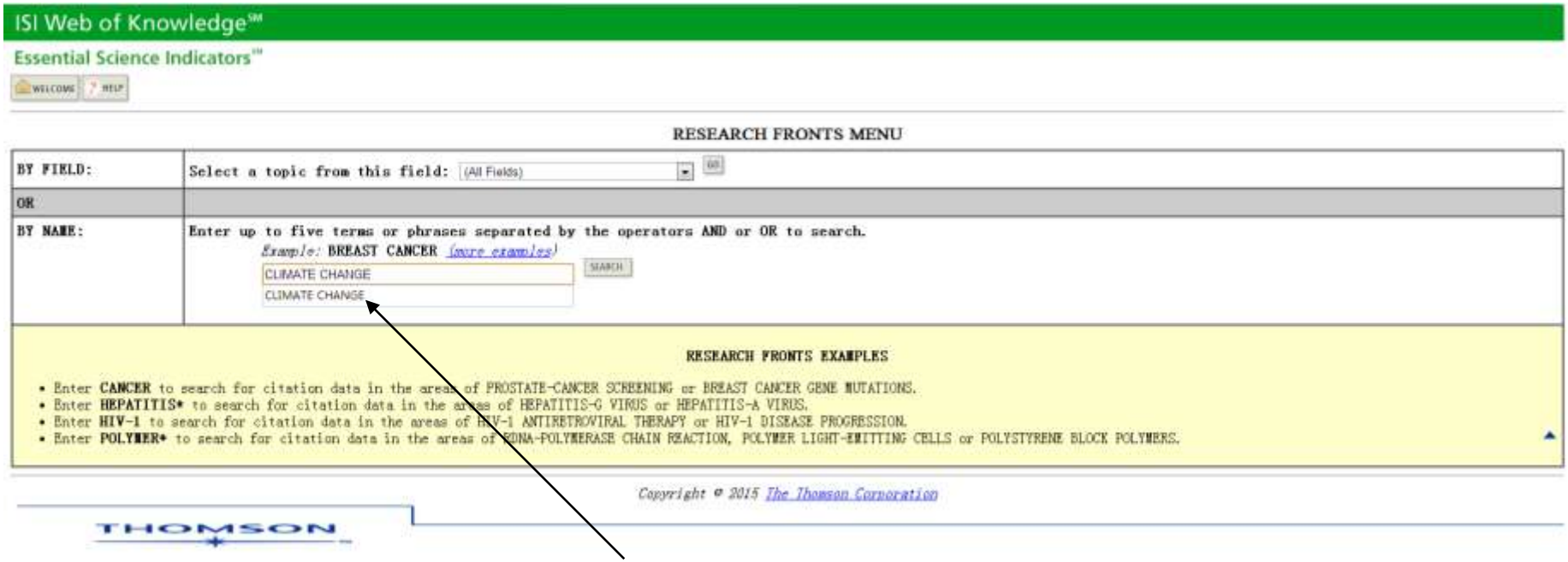
空气污染对寿命的影响

《美国国家科学院汇刊》

热点论文

跨SOCIAL SCIENCES, GENERAL、ECONOMICS & BUSINESS等两个领域

追踪气候变化前沿——研究前沿



输入：CLIMATE CHANGE

追踪气候变化前沿——研究前沿

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68组气候变化研究前沿

RESEARCH FRONTS RANKINGS FOR CLIMATE CHANGE

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	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		COMPARATIVELY HIGH GREENHOUSE GAS EMISSIONS; KEEP GLOBAL MEAN TEMPERATURE; 2 DEGREES C; CLIMATE CHANGE RESEARCH; REPRESENTATIVE CONCENTRATION PATHWAYS	6	2,502	417.00	2011.0
2		EARLY TWENTY-FIRST-CENTURY GLACIER MASS CHANGE; TWENTY-FIRST CENTURY GLACIER MASS CHANGES; HIMALAYAN GLACIERS; REGION-WIDE GLACIER MASS BALANCES; CLIMATE CHANGE WILL AFFECT	20	1,651	82.55	2011.8
3		GLOBAL CLIMATE CHANGE; PERSONALLY RELEVANT CLIMATE CHANGE; CLIMATE CHANGE KNOWLEDGE; ANTHROPOGENIC CLIMATE CHANGE; CLIMATE CHANGE	30	1,473	49.10	2011.2
4		DECADAL CLIMATE PREDICTION; INITIALIZING DECADAL CLIMATE PREDICTIONS; SHORT-TERM CLIMATE CHANGE PREDICTION; DECADAL PREDICTION CASE; DECADAL PREDICTION SKILL	13	1,358	104.46	2010.8
5		PERMAFROST CARBON RELEASE; PERMAFROST CARBON; PERMAFROST CARBON-CLIMATE FEEDBACKS ACCELERATE GLOBAL WARMING; GLOBAL CARBON CYCLE; CLIMATE CHANGE	7	1,326	189.43	2010.1
6		CLIMATE CHANGE IMPACTS; CLIMATE CHANGE SCENARIOS; CLIMATE CHANGE; PROJECTED MAXIMUM FISHERIES CATCH POTENTIAL; MAXIMUM FISHERIES CATCH POTENTIAL	8	938	117.25	2009.8
7		SURFACE WARMING PATTERNS DRIVE TROPICAL RAINFALL PATTERN RESPONSES; TWENTIETH CENTURY TROPICAL SEA SURFACE TEMPERATURE TRENDS; WESTERN TROPICAL PACIFIC SEA LEVEL TRENDS; TROPICAL INDO-PACIFIC CLIMATE CHANGE; TROPICAL INDO-PACIFIC WARMING	19	778	40.95	2012.5
8		MANAGED RELOCATION; CLIMATE CHANGE; VIABLE CONSERVATION STRATEGY; 22 YEARS; ASSISTED COLONIZATION	5	748	149.60	2009.6
9		SHRIMP IMMUNE RESPONSES; INSECT IMMUNE SYSTEM; INSECT CELLULAR IMMUNE RESPONSE; CLIMATE CHANGE; INFER SPECIES RESPONSES	11	738	67.09	2011.6
10		CLIMATE VARIABILITY; RAINFALL VARIABILITY; HIGH-QUALITY SPATIAL CLIMATE DATA-SETS; CLIMATE CHANGE; SOUTHEASTERN AUSTRALIA	5	736	147.20	2009.2
11		CLIMATE CHANGE ADAPTATION; CLIMATE CHANGE; GLOBAL ENVIRONMENTAL CHANGE II; COMPARING NATIONAL ADAPTATION STRATEGIES; INFORMING ADAPTATION RESPONSES	9	718	79.78	2010.7
12		CLIMATE CHANGE; DISENTANGLING ENVIRONMENTAL; GENETIC RESPONSES; WARMING WORLD; ASSESSING	2	705	352.50	2008.0
13		TERRESTRIAL NITROGEN FEEDBACKS MAY ACCELERATE FUTURE CLIMATE CHANGE; TERRESTRIAL CARBON CYCLE; NITROGEN CYCLE DYNAMICS; O-CN LAND SURFACE MODEL; CLIMATE-CARBON CYCLE FEEDBACKS	6	643	107.17	2009.3
14		ARMED CIVIL CONFLICT; CLIMATE CHANGE DRIVE LAND-USE CONFLICTS; CLIMATE VARIABILITY; CIVIL CONFLICT; CLIMATE CHANGE	20	614	30.70	2012.1
15		SOUTHERN HEMISPHERE CIRCULATION CHANGE; SOUTHERN HEMISPHERE SURFACE CLIMATE CHANGE; SOUTHERN HEMISPHERE WESTERLY JET; STRATOSPHERIC OZONE DEPLETION; STRATOSPHERIC OZONE RECOVERY	7	591	84.43	2010.6
16		CLIMATE CHANGE; THOREAUS CONCORD; THOREAUS WOODS; COMMUNITY PERSPECTIVE; FLORAL ABUNDANCE	3	533	177.67	2008.0

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RESEARCH FRONTS RANKINGS FOR INNOVATION SYSTEMS

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		SUSTAINABILITY TRANSITIONS; TECHNOLOGICAL INNOVATION SYSTEMS; SOCIO-TECHNICAL TRANSITIONS (TO SUSTAINABILITY); CITIES SHAPE SOCIO-TECHNICAL TRANSITIONS; INNOVATION SYSTEMS	16	1,094	68.38	2009.5

1 - 1 (of 1) Page 1 of 1

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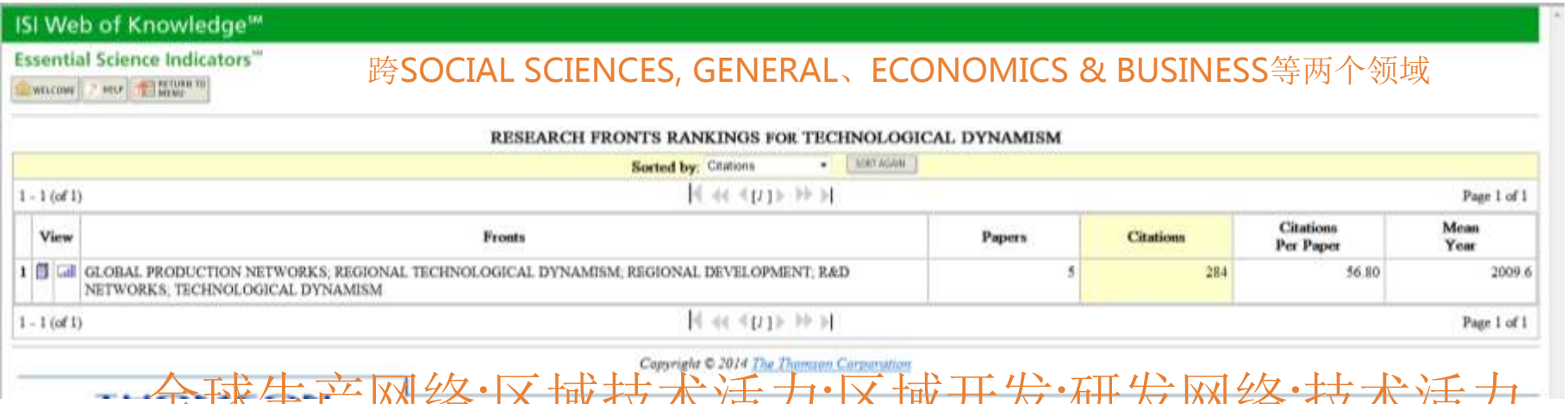
可持续性转变;技术创新系统;社会技术转换(可持续);城市形态社会技术转换;创新系统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RESEARCH FRONTS RANKINGS FOR TECHNOLOGICAL DYNAMISM

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		GLOBAL PRODUCTION NETWORKS; REGIONAL TECHNOLOGICAL DYNAMISM; REGIONAL DEVELOPMENT; R&D NETWORKS; TECHNOLOGICAL DYNAMISM	5	284	56.80	2009.6

1 - 1 (of 1) Page 1 of 1

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全球生产网络;区域技术活力;区域开发;研发网络;技术活力

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RESEARCH FRONTS RANKINGS FOR GREEN SUPPLY CHAIN

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		GREEN SUPPLY CHAIN MANAGEMENT LITERATURE; GREEN SUPPLY CHAIN MANAGEMENT PRACTICES IMPLEMENTATION; SUSTAINABLE SUPPLY CHAIN MANAGEMENT; GREEN SUPPLY CHAIN OPTIMISATION; GREEN SUPPLIER SELECTION MODEL	14	782	55.86	2009.2

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RESEARCH FRONTS RANKINGS FOR GLOBAL SUPPLY CHAIN RISK MANAGEMENT

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		SOCIAL RATINGS ACTUALLY MEASURE CORPORATE SOCIAL RESPONSIBILITY; CORPORATE SOCIAL RESPONSIBILITY REPORTING; STRATEGIC CORPORATE SOCIAL RESPONSIBILITY; GLOBAL SUPPLY CHAIN RISK MANAGEMENT; MEASURING CORPORATE SOCIAL PERFORMANCE	43	2,263	52.63	2009.5

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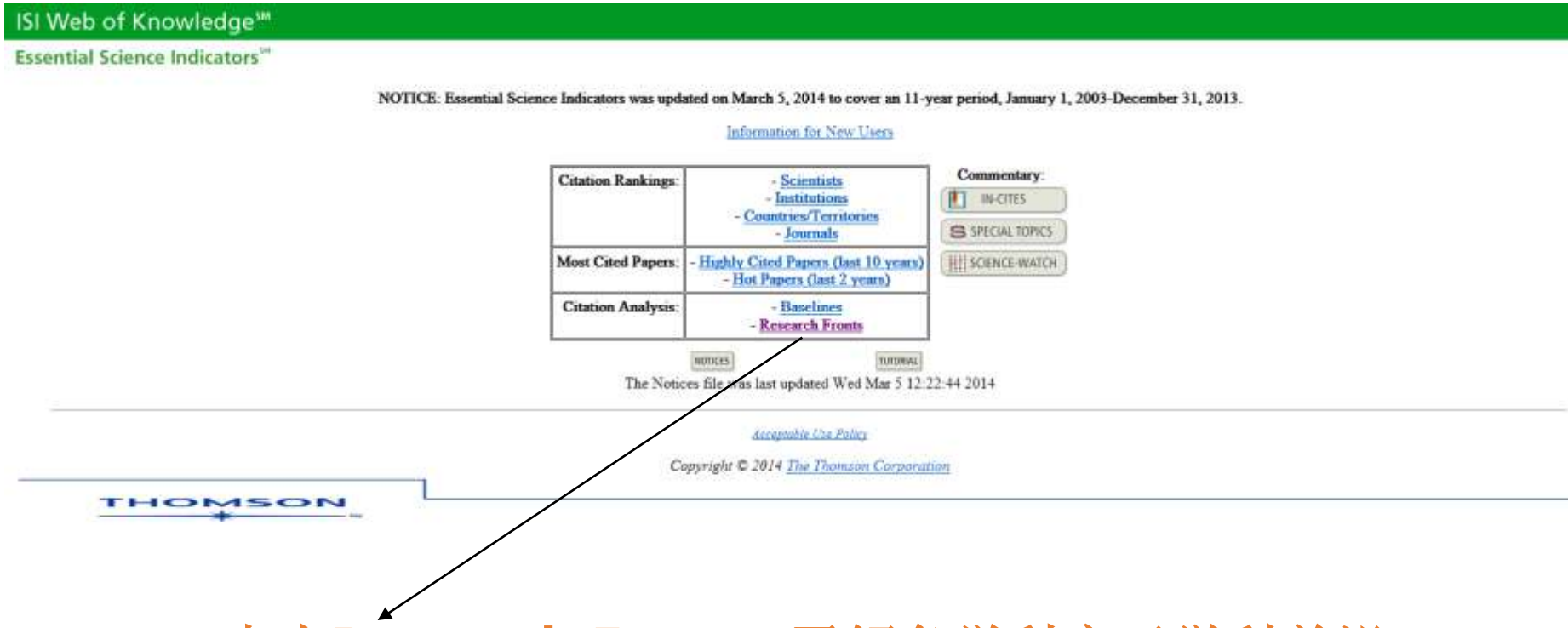

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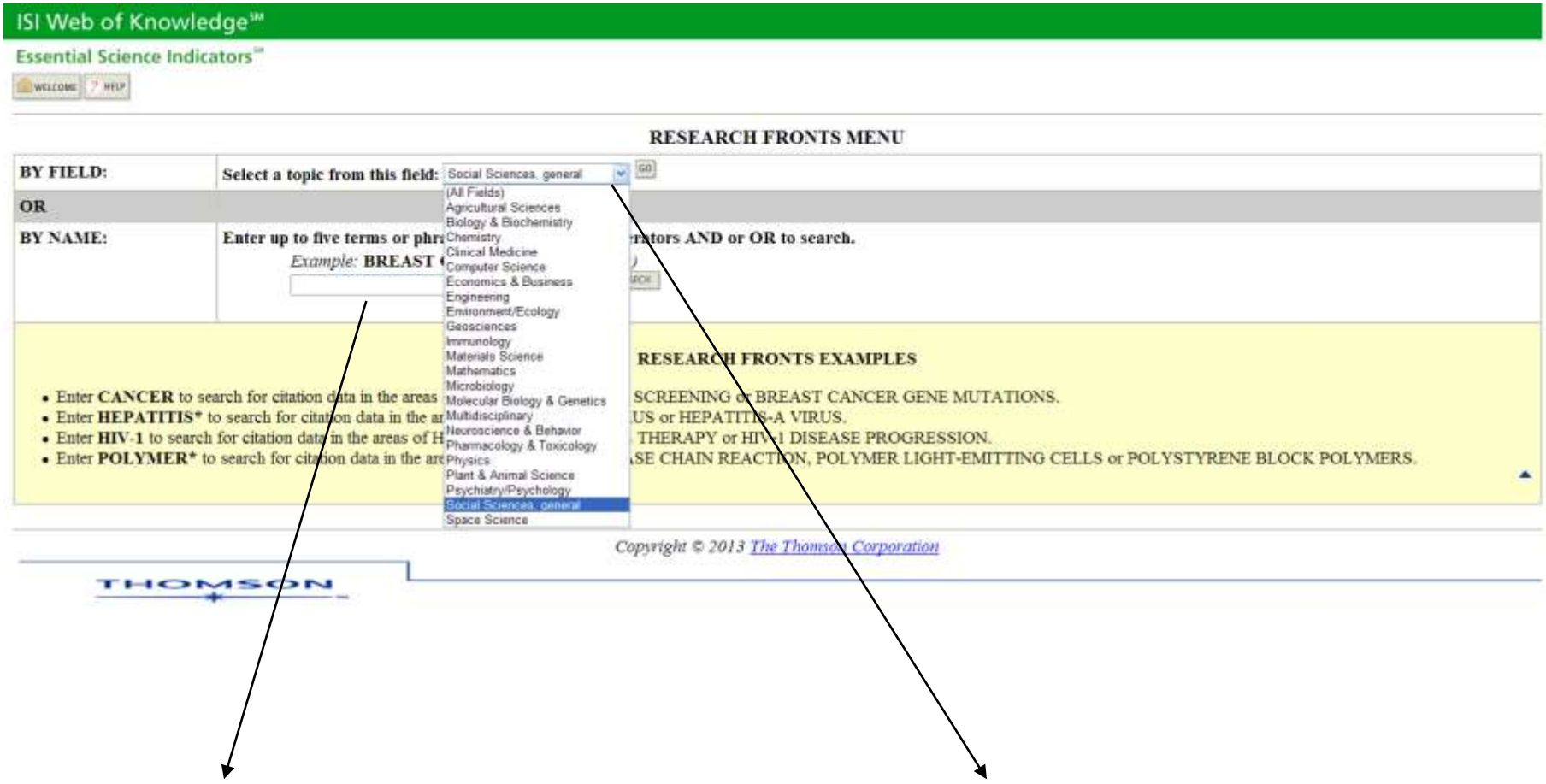

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RESEARCH FRONTS RANKINGS IN SOCIAL SCIENCES, GENERAL

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1 - 20 (of 1033) [1] | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 Page 1 of 52

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		REDUCING OLDER ADULTS SEDENTARY TIME; ADULTS SEDENTARY TIME; OBJECTIVELY MEASURED SEDENTARY TIME; SEDENTARY TIME; ADULTS SEDENTARY BEHAVIOR DETERMINANTS	35	5,811	166.03	2010.8
2		METFORMIN SELECTIVELY TARGETS CANCER STEM CELLS; CANCER RISK; INCIDENT BREAST CANCER; BREAST CANCER CLINICAL TRIALS; CANCER PATIENTS	48	5,596	116.58	2011.1
3		ALTERNATIVE PROSTATE-SPECIFIC ANTIGEN-BASED PROSTATE CANCER SCREENING STRATEGIES MODEL ESTIMATES; PROSTATE CANCER SCREENING; EARLY PROSTATE CANCER; OVARIAN CANCER SCREENING TRIAL; PROSTATE CANCER BASED	16	5,169	323.06	2011.7
4		HUMAN PAPILLOMAVIRUS-RELATED OROPHARYNGEAL CANCER; ORAL HUMAN PAPILLOMAVIRUS (HPV) 4 YEARS; HUMAN PAPILLOMAVIRUS (HPV) POSITIVE TONSILLAR CARCINOMA; HUMAN PAPILLOMAVIRUS TYPE 16-NEGATIVE HEAD; OROPHARYNGEAL CANCER HPV STATUS DETERMINATION	23	4,854	211.04	2010.4
5		TESTING INDIRECT EFFECTS; COMPARING INDIRECT EFFECTS; MULTIPLE MEDIATOR MODELS; COMPLEX MODELS; RESAMPLING STRATEGIES	3	4,756	1585.33	2008.7
6		GRADE GUIDELINES 6; GRADE GUIDELINES; CLINICAL PRACTICE GUIDELINES; CLINICAL GUIDELINES; EFFECTIVE PUBLIC HEALTH PRACTICE PROJECT QUALITY ASSESSMENT TOOL	37	4,284	115.78	2011.3
7		MECHANICALLY VENTILATED CRITICALLY ILL PATIENTS CARED; VENTILATED CRITICALLY ILL PATIENTS; CRITICALLY ILL PATIENTS; EARLY INTENSIVE CARE SEDATION; EARLY INTENSIVE CARE UNIT MOBILITY THERAPY	24	3,887	161.96	2010.9
8		PALLIATIVE CARE CONSULTATION TEAMS CUT HOSPITAL COSTS; US HOSPITAL PALLIATIVE CARE CONSULTATION PROGRAMS; EARLY PALLIATIVE CARE; PALLIATIVE CARE CONSULTATION; CANCER CARE	29	3,828	132.00	2011.0
9		GLOBAL SEA LEVEL ACCELERATION STARTED; GLOBAL SEA LEVEL LINKED; GLOBAL SEA LEVEL RECONSTRUCTIONS; ESTIMATING GLOBAL OCEAN HEAT CONTENT CHANGES; CONTEMPORARY SEA LEVEL RISE	46	3,697	80.37	2011.5
10		HABENULAR ALPHA 5 NICOTINIC RECEPTOR SUBUNIT SIGNALLING CONTROLS NICOTINE INTAKE; ACETYLCHOLINE RECEPTOR (ACHR) ALPHA 5 SUBUNIT VARIANT; NICOTINIC ACETYLCHOLINE RECEPTOR SUBUNIT GENES; NICOTINIC RECEPTOR GENE VARIANTS; ALPHA-5/ALPHA-3 NICOTINIC RECEP	12	3,293	274.42	2009.2
11		PRIMARY CERVICAL CANCER SCREENING TEST; ABNORMAL CERVICAL CANCER SCREENING TESTS; PRIMARY CERVICAL CANCER SCREENING; CERVICAL CANCER SCREENING; PRIMARY HUMAN PAPILLOMAVIRUS SCREENING	25	3,119	124.76	2010.3
12		KIDNEY DISEASE POPULATION COHORTS; CHRONIC KIDNEY DISEASE; KIDNEY DISEASE; ADVERSE KIDNEY OUTCOMES; END-STAGE RENAL DISEASE	18	2,983	165.72	2010.8
13		BIVALENT HUMAN PAPILLOMAVIRUS L1 VIRUS-LIKE PARTICLE VACCINE; HUMAN PAPILLOMAVIRUS (HPV)-16/18 AS04-ADJUVANTED VACCINE; PHYSICIANS HUMAN PAPILLOMAVIRUS VACCINE RECOMMENDATIONS; NATIONAL HUMAN PAPILLOMAVIRUS VACCINATION PROGRAMME; HUMAN PAPILLOMAVIRUS	28	2,916	104.14	2011.4
14		MATERNAL EARLY PREGNANCY VITAMIN D STATUS; LOW SERUM VITAMIN D LEVELS; SERUM VITAMIN D LEVELS; MATERNAL VITAMIN D STATUS; MATERNAL VITAMIN D DEFICIENCY	23	2,798	121.65	2010.1

Transdisciplinary Graduate Education and Training in Nutrition and Family Sciences or Child Development or Related Fields to Prevent Childhood Obesity

Opp ID: 123959 | Training, Scholarship, or Fellowship Research | Last edited on 21 May 2014

Full Details

基金案例：儿童肥胖

Website	http://www.nifa.usda.gov/funding/rfas/afri.html
Sponsor	United States Department of Agriculture (USDA) National Institute of Food and Agriculture (NIFA) Agriculture and Food Research Initiative (AFRI) Childhood Obesity Prevention Challenge Area Sponsor ID: A2121
Amount	**Upper $5,000,000 USD** Standard grants must not exceed $1 million per year ($5 million total, including indirect costs) for project periods of up to five years. As part of the total grant request, the contribution to the graduate stipend is… more »
Requirements	Academic Institution Commercial Government New Faculty/New Investigator Nonprofit Ph.D./M.D./Other Professional
Citizenship or Residency	United States
Activity location	United States
Abstract	Applicants must address the development of innovative, research-based graduate education and training activities focused on obesity prevention in children using the knowledge base of nutrition and the related knowledge… more »
Eligibility	Eligible applicants include - state agricultural experiment stations; - colleges and universities (including junior colleges offering associate degrees or higher); - university research foundations; - other research… more »
Keywords	Graduate Education · Nutrition Education · Behavioral or Social Studies

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Track 0 others

Set to Active 0 others

Potential Collaborators

500+ from outside institutions

Funding Contact Person

U.S. Department of Agriculture
National Institute of Food and Agriculture
AFRI Program Office
1400 Independence Avenue, SW
Stop 2216
Washington, District of Columbia
20250-2216
Phone: +1 (202) 401-5022
AFRI@nifa.usda.gov
more »

营养学和家庭科学的跨学科研究生教育和培训或儿童发展以及相关领域，以防止儿童肥胖项目是由农业部美国农业部（USDA）、National Institute of Food and Agriculture (NIFA) 粮食和农业研究所（NIFA）、Agriculture and Food Research Initiative (AFRI) 农业和食品研究计划（AFRI）、Childhood Obesity Prevention Challenge Area儿童肥胖防治领域的挑战等四个基金会资助，资助总额为**$5,000,000USD**。该项目认为食品是肥胖的发展的一个组成部分，所有申请项目应针对食品消费的某些方面。申请将优先考虑可持续的干预措施，并涉及低收入人群资格的USDA计划项目（如，膨化食品和营养教育项目，WIC项目）。

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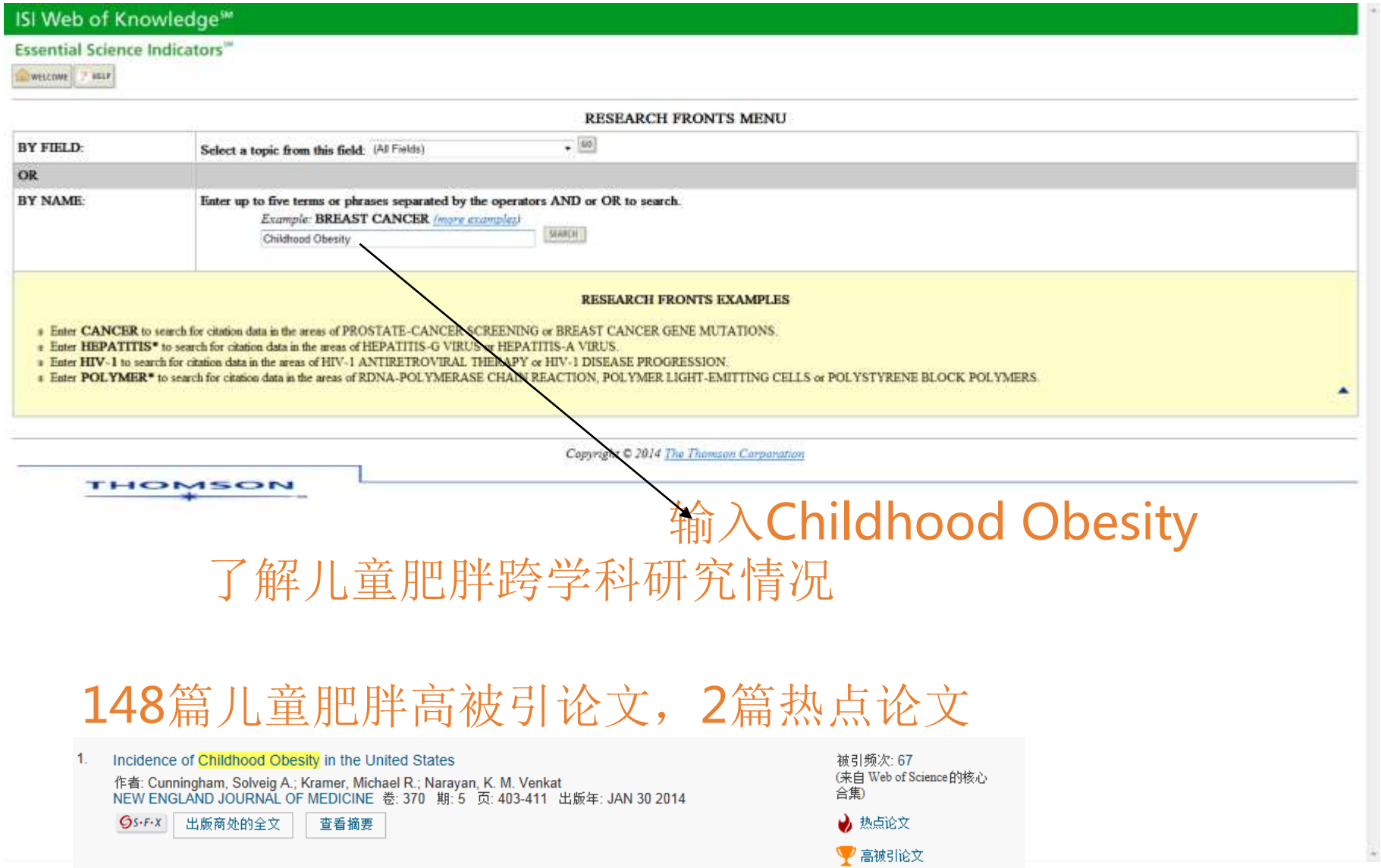

输入Childhood Obesity

了解儿童肥胖跨学科研究情况

148篇儿童肥胖高被引论文，2篇热点论文

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RESEARCH FRONTS RANKINGS FOR CHILDHOOD OBESITY

Sorted by: Citations

1 - 3 (of 3) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		CHILDHOOD OBESITY; OBESITY; TELEVISION CONTENT TYPE; TELEVISION; FAST-FOOD RESTAURANT ADVERTISING	3	181	60.33	2009.0
2		US CHILDHOOD OBESITY; US PRESCHOOL CHILDREN; OBESITY; RISING SOCIAL INEQUALITIES; ETHNIC GROUPS	2	167	83.50	2009.5
3		COMMUNITY GARDEN-BASED OBESITY PREVENTION PROGRAM; CHILDHOOD OBESITY PREVENTION; ADDRESS CHILDHOOD OBESITY; CHILDHOOD OBESITY; LATINO COMMUNITY	12	53	4.42	2013.0

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RESEARCH FRONTS RANKINGS FOR CHILDHOOD OBESITY

Sorted by: Citations

1 - 3 (of 3) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		OVERWEIGHT PREVALENCE TRENDS; CHILDHOOD OBESITY; CHILDHOOD OVERWEIGHT; OBESITY EPIDEMIC; OBESITY	4	430	107.50	2010.8
2		US CHILDHOOD OBESITY; US PRESCHOOL CHILDREN; OBESITY; RISING SOCIAL INEQUALITIES; DIFFERENT RACIAL	2	222	111.00	2009.5
3		LIMIT RANDOMISED TRIAL; RANDOMISED EVIDENCE; ANTENATAL LIFESTYLE ADVICE; CHILDHOOD OBESITY; UNITED STATES	3	150	50.00	2013.3

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RESEARCH FRONTS RANKINGS FOR CHILDHOOD OBESITY

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1 - 6 (of 6) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		CHILDHOOD OBESITY; OBESITY STIGMA; TELEVISION FOOD ADVERTISING	19	1,110	58.42	2009.3
2		FUTURE ADULT CORONARY HEART DISEASE; CHILDHOOD BODY-MASS INDEX; CARDIOVASCULAR RISK FACTORS; CHILDHOOD OBESITY; PREMATURE DEATH	3	710	236.67	2008.0
3		SCHOOL-BASED PHYSICAL ACTIVITY INTERVENTIONS; PHYSICAL ACTIVITY LEVELS; SCHOOL-BASED INTERVENTIONS; PREVENT CHILDHOOD OBESITY; OBESITY GUIDANCE PRODUCED	2	189	94.50	2009.0
4		CHILDHOOD ADIPOSITY; CARDIOVASCULAR RISK FACTORS; ADULT ADIPOSITY; CHILDHOOD OBESITY; ADOLESCENT BMI TRAJECTORY	3	141	47.00	2011.6
5		CHILDHOOD OBESITY; FAST FOOD RESTAURANTS; MEDICAL CARE COSTS; INSTRUMENTAL VARIABLES APPROACH; WEIGHT GAIN	3	72	24.00	2010.6
6		COMMUNITY GARDEN-BASED OBESITY PREVENTION PROGRAM; CHILDHOOD OBESITY PREVENTION; ADDRESS CHILDHOOD OBESITY; LATINO COMMUNITY; LATINO CHILDREN'S PHYSICAL HEALTH	13	52	4.00	2013.0

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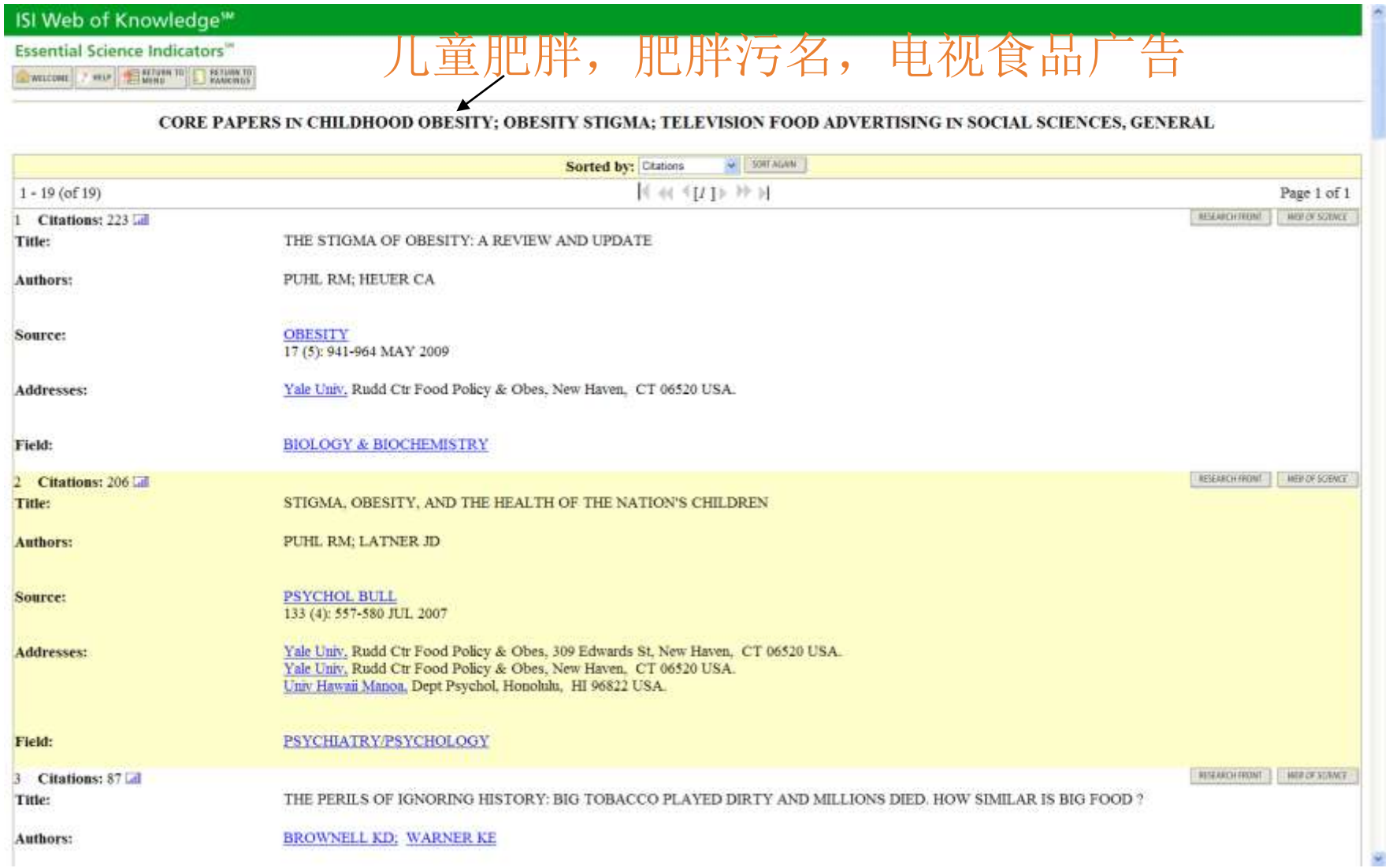

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CORE PAPERS IN CHILDHOOD OBESITY; OBESITY STIGMA; TELEVISION FOOD ADVERTISING IN SOCIAL SCIENCES, GENERAL

Sorted by: Citations SORT AGAIN

1 - 19 (of 19) Page 1 of 1

1 **Citations:** 223

Title: THE STIGMA OF OBESITY: A REVIEW AND UPDATE

Authors: PUHL RM; HEUER CA

Source: OBESITY
17 (5): 941-964 MAY 2009

Addresses: Yale Univ, Rudd Ctr Food Policy & Obes, New Haven, CT 06520 USA.

Field: BIOLOGY & BIOCHEMISTRY

2 **Citations:** 206

Title: STIGMA, OBESITY, AND THE HEALTH OF THE NATION'S CHILDREN

Authors: PUHL RM; LATNER JD

Source: PSYCHOL BULL
133 (4): 557-580 JUL 2007

Addresses: Yale Univ, Rudd Ctr Food Policy & Obes, 309 Edwards St, New Haven, CT 06520 USA.
Yale Univ, Rudd Ctr Food Policy & Obes, New Haven, CT 06520 USA.
Univ Hawaii Manoa, Dept Psychol, Honolulu, HI 96822 USA.

Field: PSYCHIATRY/PSYCHOLOGY

3 **Citations:** 87

Title: THE PERILS OF IGNORING HISTORY: BIG TOBACCO PLAYED DIRTY AND MILLIONS DIED. HOW SIMILAR IS BIG FOOD ?

Authors: BROWNELL KD; WARNER KE

追踪儿童肥胖跨学科——研究前沿

- **CHILDHOOD OBESITY; OBESITY INTERVENTION STRATEGIES; GLOBAL OBESITY PANDEMIC; TELEVISION FOOD ADVERTISING; FOOD PRICES（20篇）**
- 儿童肥胖，肥胖干预策略，全球肥胖流行病，电视食品广告，食品价格

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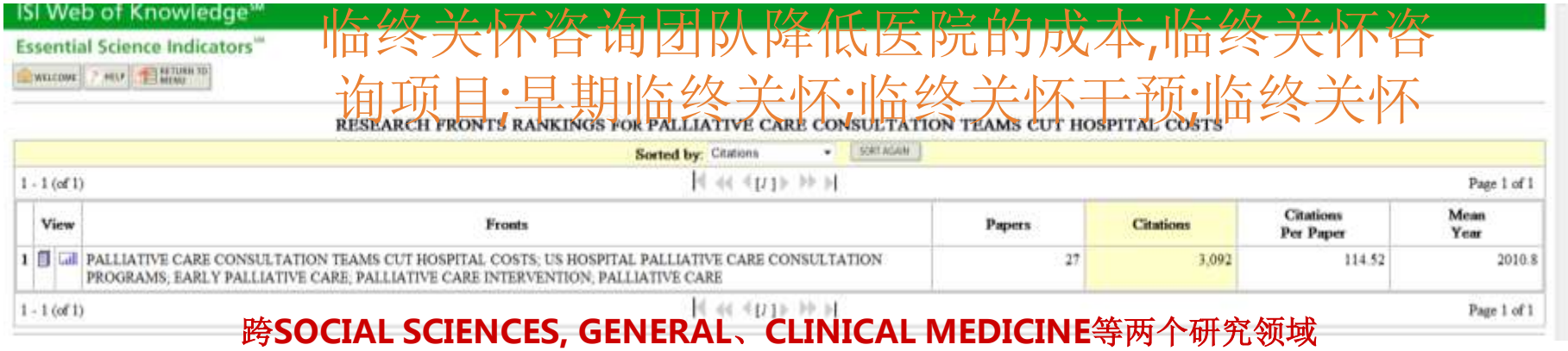

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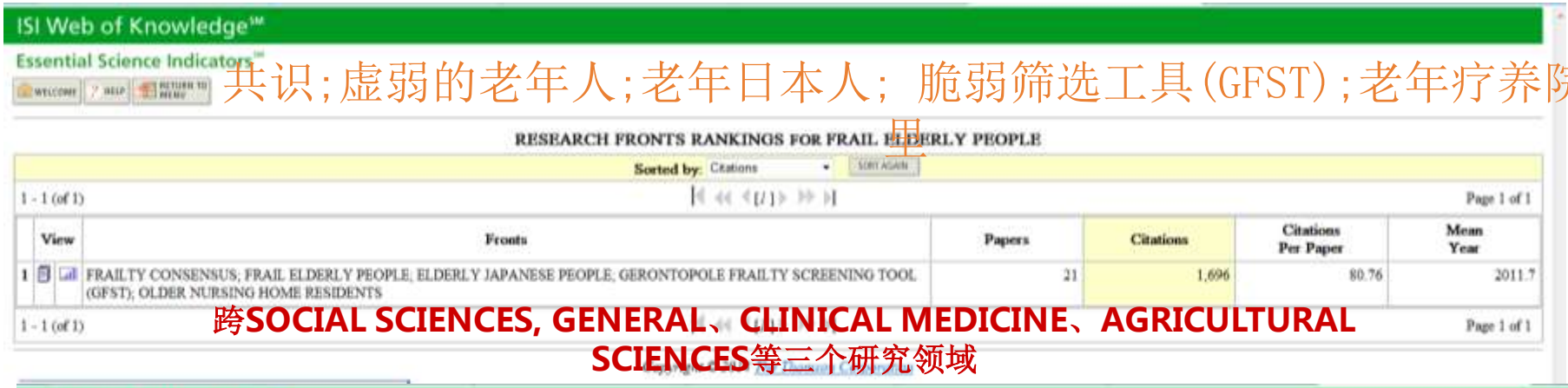

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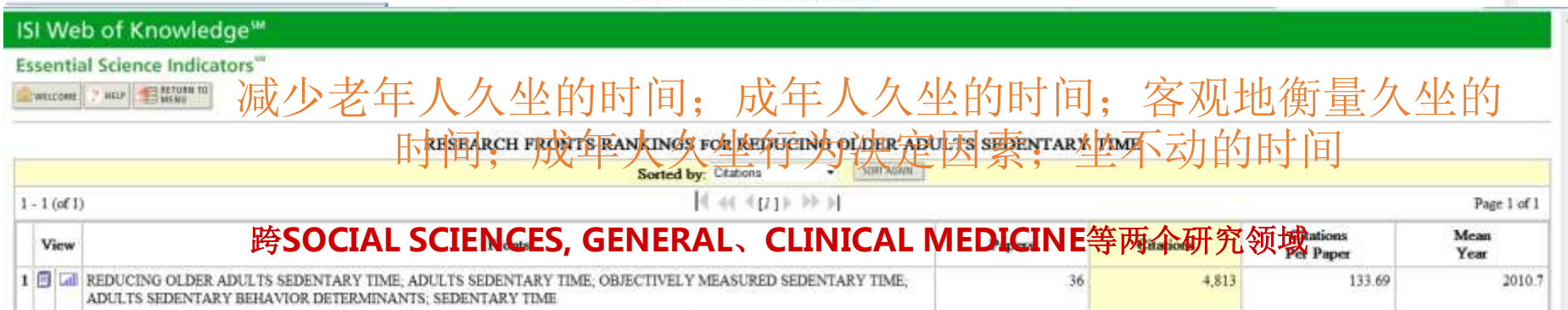

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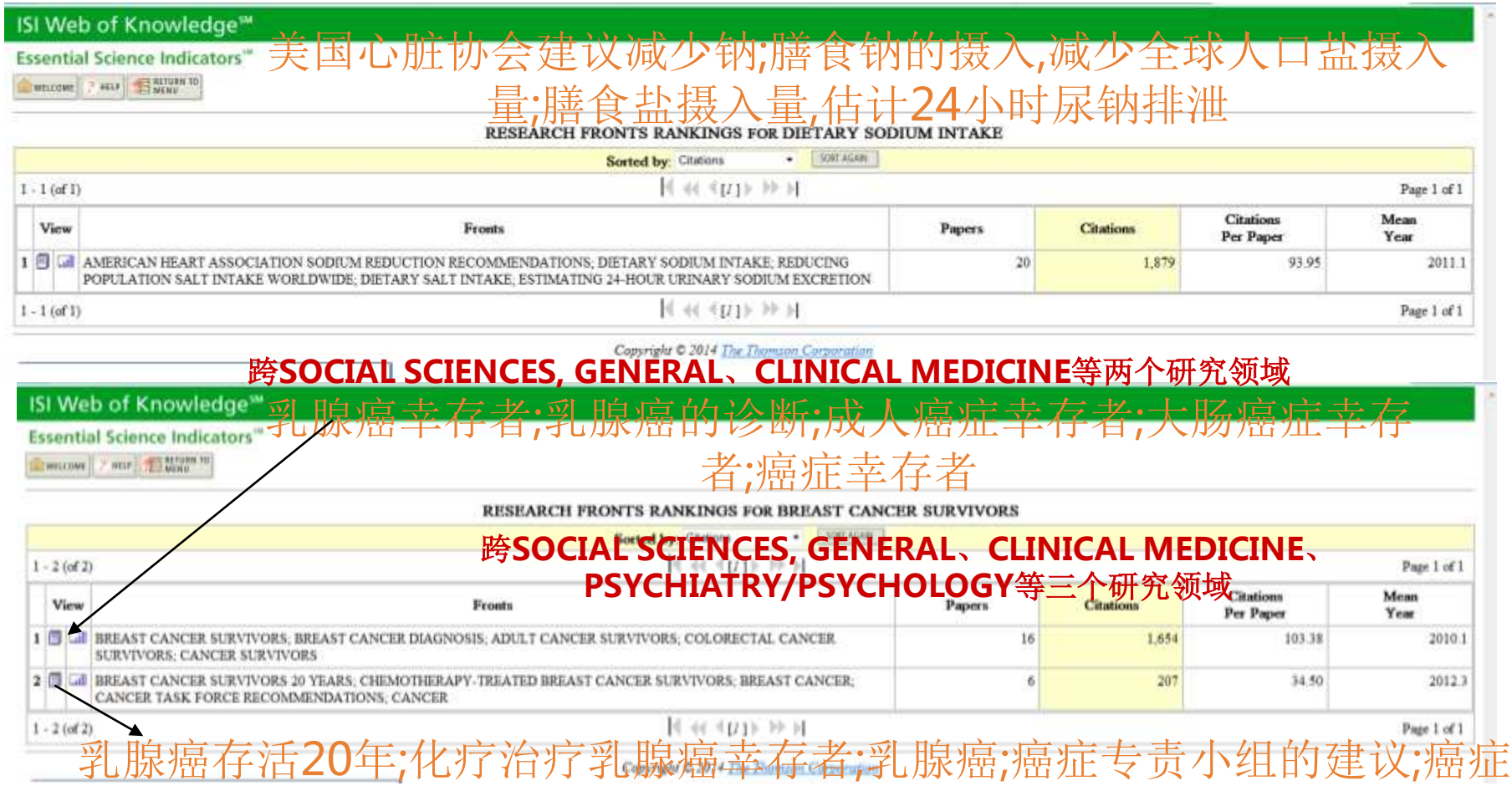

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跨：COMPUTER SCIENCE；CLINICAL MEDICINE；PSYCHIATRY/PSYCHOLOGY；SOCIAL SCIENCES, GENERAL等四个领域

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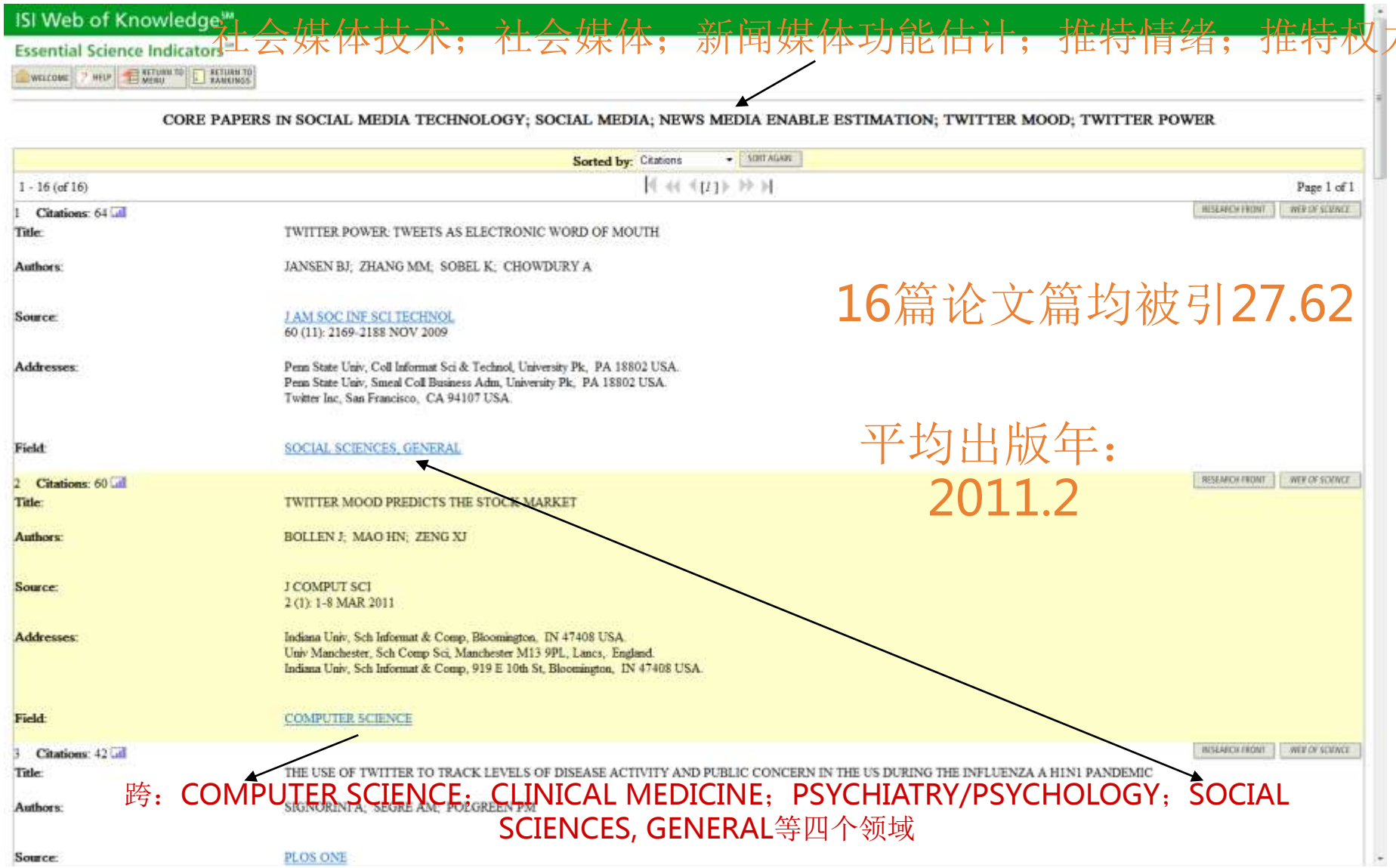
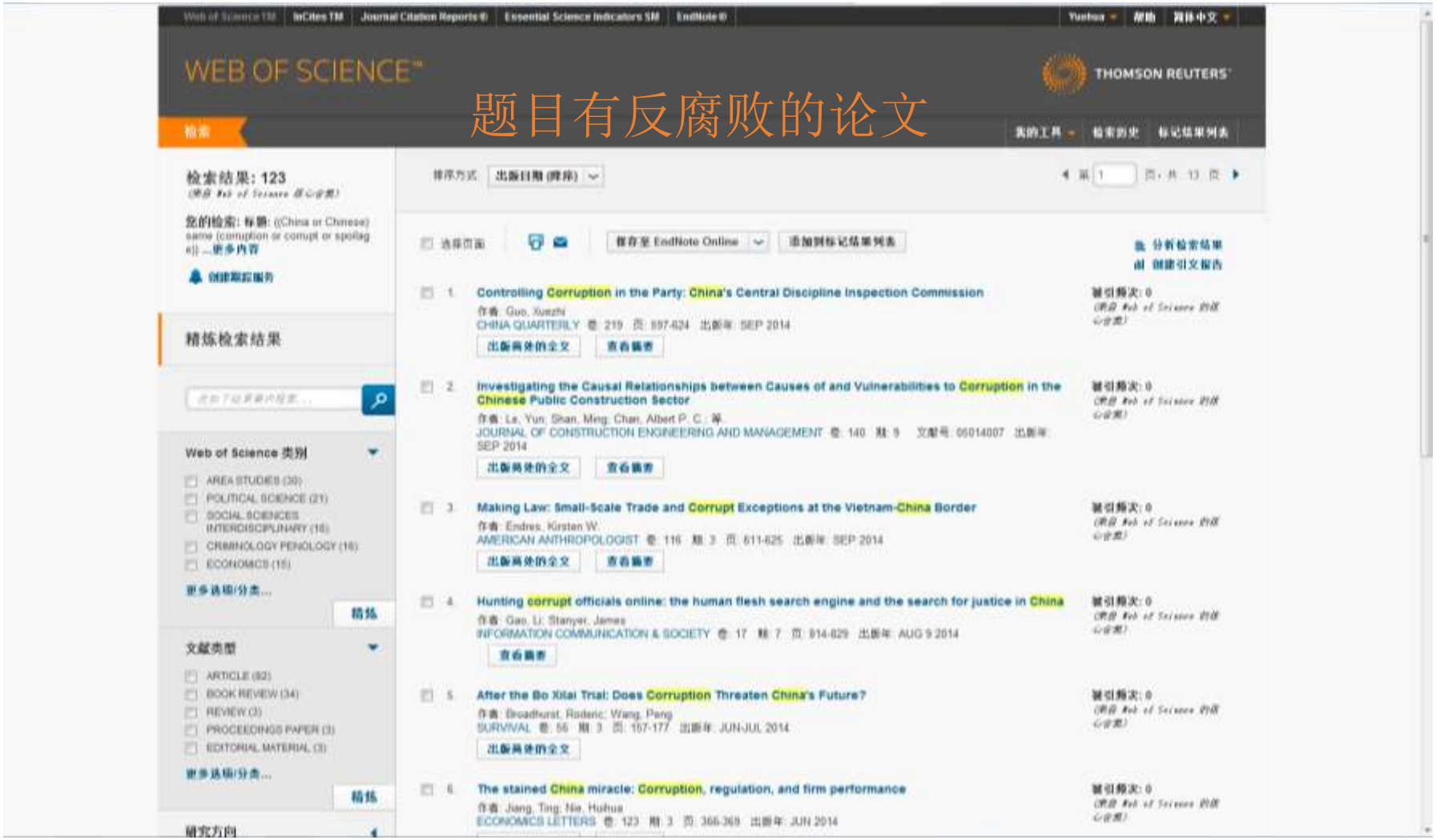


反腐败

(China or Chinese) same (corruption or corrupt)



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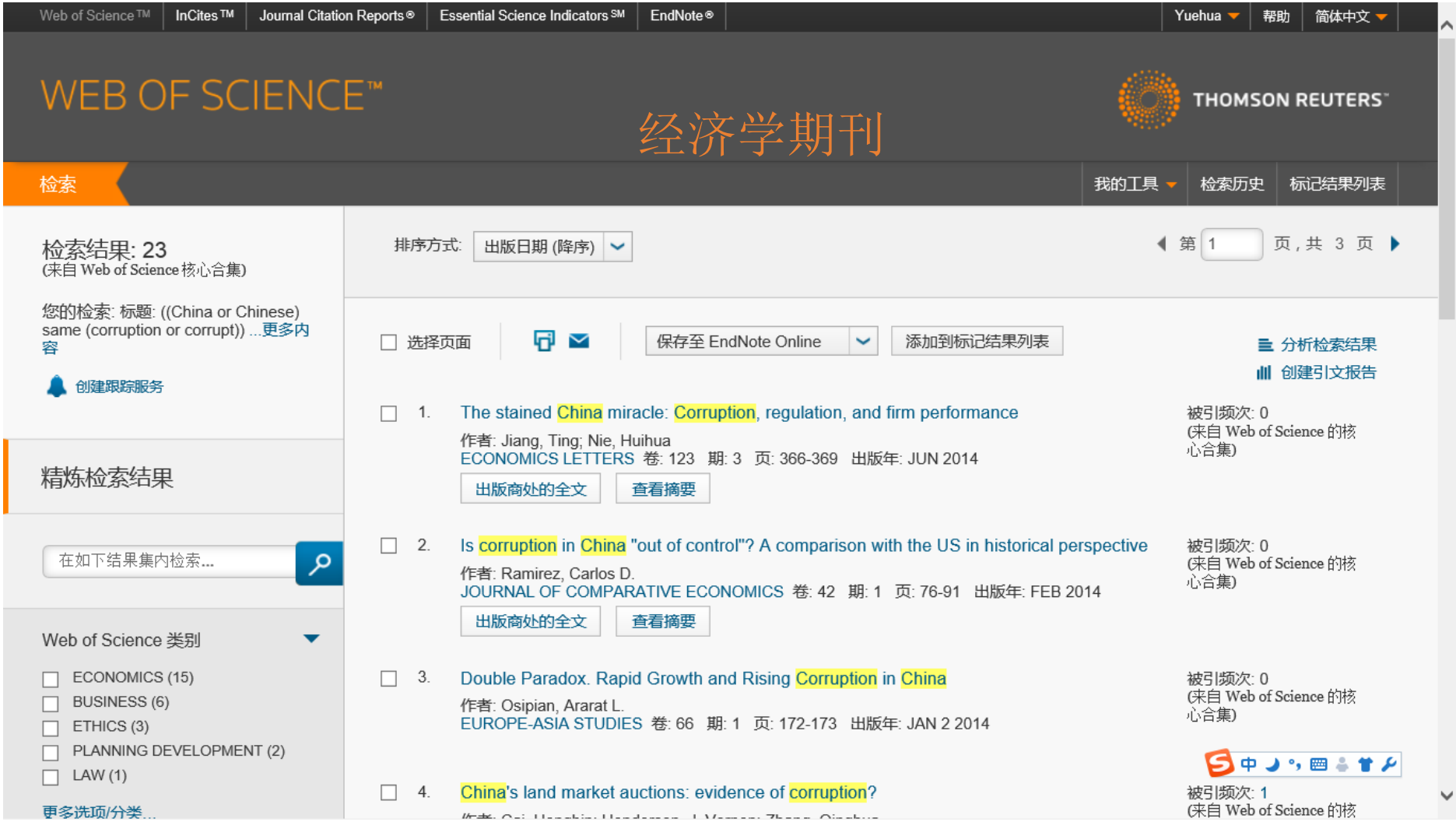

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大型社交网络，社交网络，肥胖会传染，肥胖流行，20岁

RESEARCH FRONTS RANKINGS FOR LARGE SOCIAL NETWORK

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		LARGE SOCIAL NETWORK; SOCIAL NETWORKS; OBESITY CONTAGIOUS; OBESITY EPIDEMIC; 20 YEARS	5	1,264	252.80	2007.8

1 - 1 (of 1) [1] Page 1 of 1

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RESEARCH FRONTS RANKINGS FOR SOCIAL NETWORKING SITES

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		PEOPLE USE SOCIAL NETWORKING SITES; ONLINE SOCIAL NETWORK SITES; COLLEGE STUDENTS' SOCIAL NETWORKING EXPERIENCES; SOCIAL MEDIA USE; ONLINE SOCIAL NETWORKING	40	1,685	42.12	2010.0

1 - 1 (of 1) [1] Page 1 of 1

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人们使用社交网站，在线社交网络站点;大学生的社交体验，社交媒体使用在线社交网络

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2组研究前沿学科涉及社会科学、经济学期刊

RESEARCH FRONTS RANKINGS FOR ONLINE SOCIAL NETWORK EXPERIMENT

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		INTERNET SOCIAL NETWORKS; ONLINE SOCIAL NETWORK EXPERIMENT; ONLINE SOCIAL NETWORK; SOCIAL NETWORKS; OBSERVATIONAL SOCIAL NETWORK	20	968	48.40	2010.5

1 - 1 (of 1) [1] Page 1 of 1

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互联网社交网络；在线社交网络实验；在线社会网络；社会网络；观察社会网络

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RESEARCH FRONTS RANKINGS FOR ONLINE REVIEWS MATTER

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		ONLINE CONSUMER REVIEWS; ONLINE PRODUCT REVIEWS; ONLINE REVIEWS MATTER; ON-LINE CONSUMER REVIEWS; ONLINE CONSUMER	8	590	73.75	2008.3

1 - 1 (of 1) [1] Page 1 of 1

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RESEARCH FRONTS RANKINGS FOR USER ACCEPTANCE

Sorted by: Citations | SORT AGAIN

1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		TECHNOLOGY ACCEPTANCE MODEL; CONSUMER E-SHOPPING ACCEPTANCE; USER ACCEPTANCE; CONSUMER ONLINE PURCHASE INTENTIONS; WEB QUALITY	9	579	64.33	2008.4

1 - 1 (of 1) [1] Page 1 of 1

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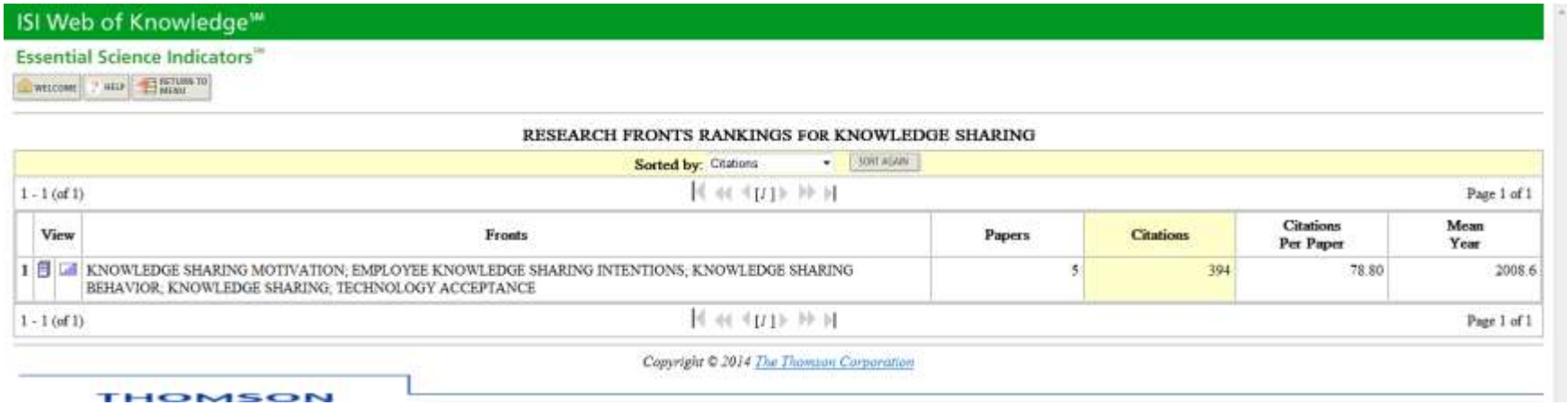
追踪社会科学跨学科——研究前沿



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RESEARCH FRONTS RANKINGS FOR KNOWLEDGE SHARING

Sorted by: Citations | SORT AGAIN

1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		KNOWLEDGE SHARING MOTIVATION; EMPLOYEE KNOWLEDGE SHARING INTENTIONS; KNOWLEDGE SHARING BEHAVIOR; KNOWLEDGE SHARING; TECHNOLOGY ACCEPTANCE	5	394	78.80	2008.6

1 - 1 (of 1) [1] Page 1 of 1

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知识共享动机；员工知识共享意图；知识分享行为；知识共享；技术接受

跨：SOCIAL SCIENCES, GENERAL；PSYCHIATRY/PSYCHOLOGY；ECONOMICS & BUSINESS；COMPUTER SCIENCE等四个领域

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RESEARCH FRONTS RANKINGS FOR IMMIGRATION THREAT

Sorted by: Citations | SORT AGAIN

1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		LOW-SKILLED IMMIGRATION; IMMIGRATION THREAT; IMMIGRATION; IMMIGRANTS PROVOKE LOCAL OPPOSITION; TRIGGERS PUBLIC OPPOSITION	5	291	58.20	2009.0

1 - 1 (of 1) [1] Page 1 of 1

低技能的移民；移民威胁；移民；移民引发当地反对；触发公众的反对

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RESEARCH FRONTS RANKINGS FOR UNIVERSITY-INDUSTRY LINKAGES

Sorted by: Citations | SORT AGAIN

1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		UNIVERSITY-INDUSTRY RELATIONSHIPS; UNIVERSITY-INDUSTRY LINKAGES; FORMAL INTELLECTUAL PROPERTY RIGHTS HINDER; ANTI-COMMONS HYPOTHESIS; UNIVERSITY ENTREPRENEURSHIP	5	493	98.60	2007.2

1 - 1 (of 1) [1] Page 1 of 1

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产学关系；大学与产业界的联系；正式的知识产权阻碍；反共用假说；大学创业

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RESEARCH FRONTS RANKINGS FOR TEAM SCIENCE

Sorted by: Citations | SORT AGAIN

1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		TRANSDISCIPLINARY COLLABORATION; TEAM SCIENCE; CONTEXTUAL; ECOLOGY; KNOWLEDGE	2	316	158.00	2007.5

1 - 1 (of 1) [1] Page 1 of 1

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在线旅游信息搜索；旅游管理；在线酒店评论；20年；信息技术

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RESEARCH FRONTS RANKINGS FOR TOURISM

Sorted by: Citations SORT AGAIN

1 - 2 (of 2) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		ONLINE TRAVEL INFORMATION SEARCH; TOURISM MANAGEMENT; ONLINE HOTEL REVIEWS; 20 YEARS; INFORMATION TECHNOLOGY	4	278	69.50	2008.8
2		CLIMATE CHANGE; TOURISM; OASPIRATIONALO GREENHOUSE GAS EMISSION REDUCTION TARGETS; ACHIEVING VOLUNTARY REDUCTIONS; DEMAND RESPONSE	3	91	30.33	2010.7

1 - 2 (of 2) Page 1 of 1

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气候变化，旅游业

追踪社会科学跨学科——研究前沿

RESEARCH FRONTS RANKINGS FOR LIFE EVALUATION;

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		SUBJECTIVE WELL-BEING; LIFE EVALUATION; EMOTIONAL WELL-BEING; HUMAN WELL-BEING; WELL-BEING U-SHAPED	12	1,277	106.42	2008.5

1 - 1 (of 1) Page 1 of 1

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主观幸福感；寿命评估；情绪健康；人类的幸福；幸福的U形

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RESEARCH FRONTS RANKINGS FOR RISK IDENTIFICATION METHODS

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		RISK IDENTIFICATION SYSTEM; RISK IDENTIFICATION METHODS; RISK IDENTIFICATION; EMPIRICAL PERFORMANCE; ANALYSIS SYSTEM	15	299	19.93	2012.1

1 - 1 (of 1) Page 1 of 1

风险识别体系；风险识别方法；风险识别；实证性能；分析系统

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RESEARCH FRONTS RANKINGS FOR COUNTRIES MATTER SO

Sorted by: Citations — SORT AGAIN

1 - 1 (of 1) — Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		ANTIDIRECTOR RIGHTS INDEX; COUNTRIES MATTER SO; CORPORATE GOVERNANCE; ECONOMICS; LAW	3	428	142.67	2008.3

1 - 1 (of 1) — Page 1 of 1

反权利指数；国家问题；公司治理；经济学；法律

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RESEARCH FRONTS RANKINGS FOR ENRICO MORSELLIS SUICIDE

Sorted by: Citations — SORT AGAIN

1 - 1 (of 1) — Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		MORAL STATISTICS; ENRICO MORSELLIS SUICIDE; SUICIDE; SOCIOLOGYS ONE LAW; ALEXANDER VON OETTINGEN	2	9	4.50	2013.0

1 - 1 (of 1) — Page 1 of 1

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科学计量评价，科学计量方法，

RESEARCH FRONTS RANKINGS FOR SCIENTOMETRIC

Sorted by: Citations SORT AGAIN

1 - 2 (of 2) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		SCIENTOMETRIC EVALUATION; SCIENTOMETRIC APPROACH; AYHAN DEMIRBAS' SCIENTOMETRIC BIOGRAPHY; RESEARCH; BIODIESEL	7	265	37.86	2011.1
2		SCIENTOMETRIC EVALUATION; SCIENTOMETRIC APPROACH; HIGHER EDUCATION; RESEARCH; CITATION-BASED RANKINGS	5	51	10.20	2011.8

1 - 2 (of 2) [1] Page 1 of 1

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跨学科研究，科研绩效评估，

RESEARCH FRONTS RANKINGS FOR INTERDISCIPLINARY SCIENTIFIC RESEARCH

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		MEASURING INTERDISCIPLINARY SCIENTIFIC RESEARCH (IDR); NATIONAL-SCALE RESEARCH PERFORMANCE ASSESSMENT; MAPPING SIX RESEARCH FIELDS; MEASURING CONTEXTUAL CITATION IMPACT; INSTITUTIONAL RESEARCH PERFORMANCE	29	1,035	35.69	2010.1

1 - 1 (of 1) [1] Page 1 of 1

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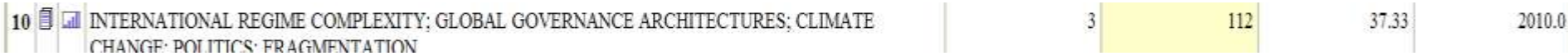

国际制度的复杂性，全球治理架构，气候变化，政治，破碎

社会认同，群体认同，社会偏好，政治经济模型

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RESEARCH FRONTS RANKINGS FOR SCHOOL BULLYING

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		SCHOOL BULLYING; CYBERBULLYING VICTIMIZATION; FACE-TO-FACE BULLYING; BULLYING EXPERIENCES; TRADITIONAL BULLYING	13	718	55.23	2010.0

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RESEARCH FRONTS RANKINGS FOR ROCK ART DATING;

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1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		ROCK ART DATING; U-SERIES DATING; PALEOLITHIC ART; WESTERN AUSTRALIA; CAVES	2	19	9.50	2012.0

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岩画断代，铀系测年，旧石器时代艺术，澳大利亚西部，洞穴

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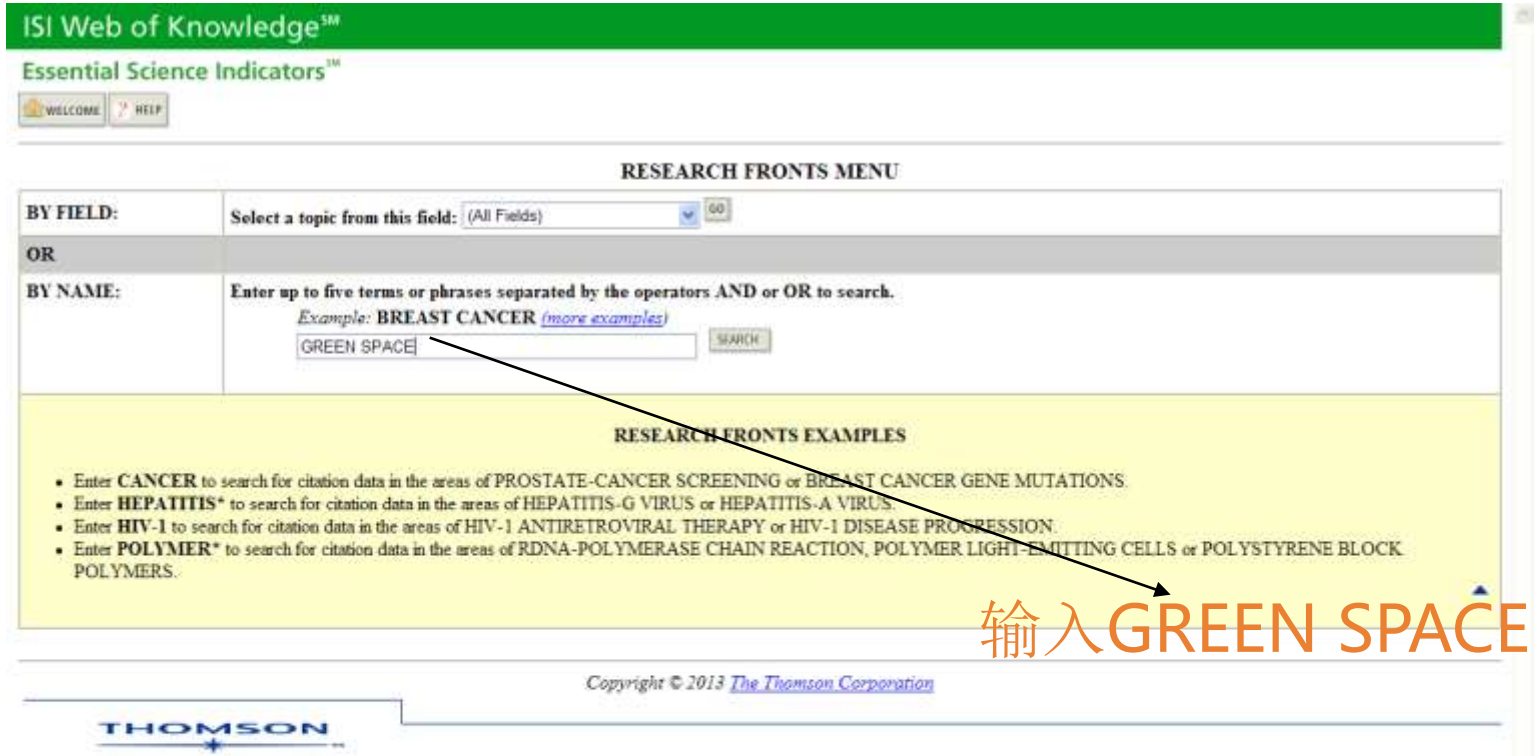

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Sorted by: Citations SORT AGAIN

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		URBAN GREEN SPACE; OBJECTIVELY MEASURED GREEN SPACE ACCESSIBILITY; GREEN SPACE; GREEN LIVING ENVIRONMENT; URBAN GREEN SPACES	10	709	70.90	2010.4

1 - 1 (of 1) Page 1 of 1

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城市绿地;客观测量的绿地空间可达性;绿色空间;绿色生活环境;城市公共绿地

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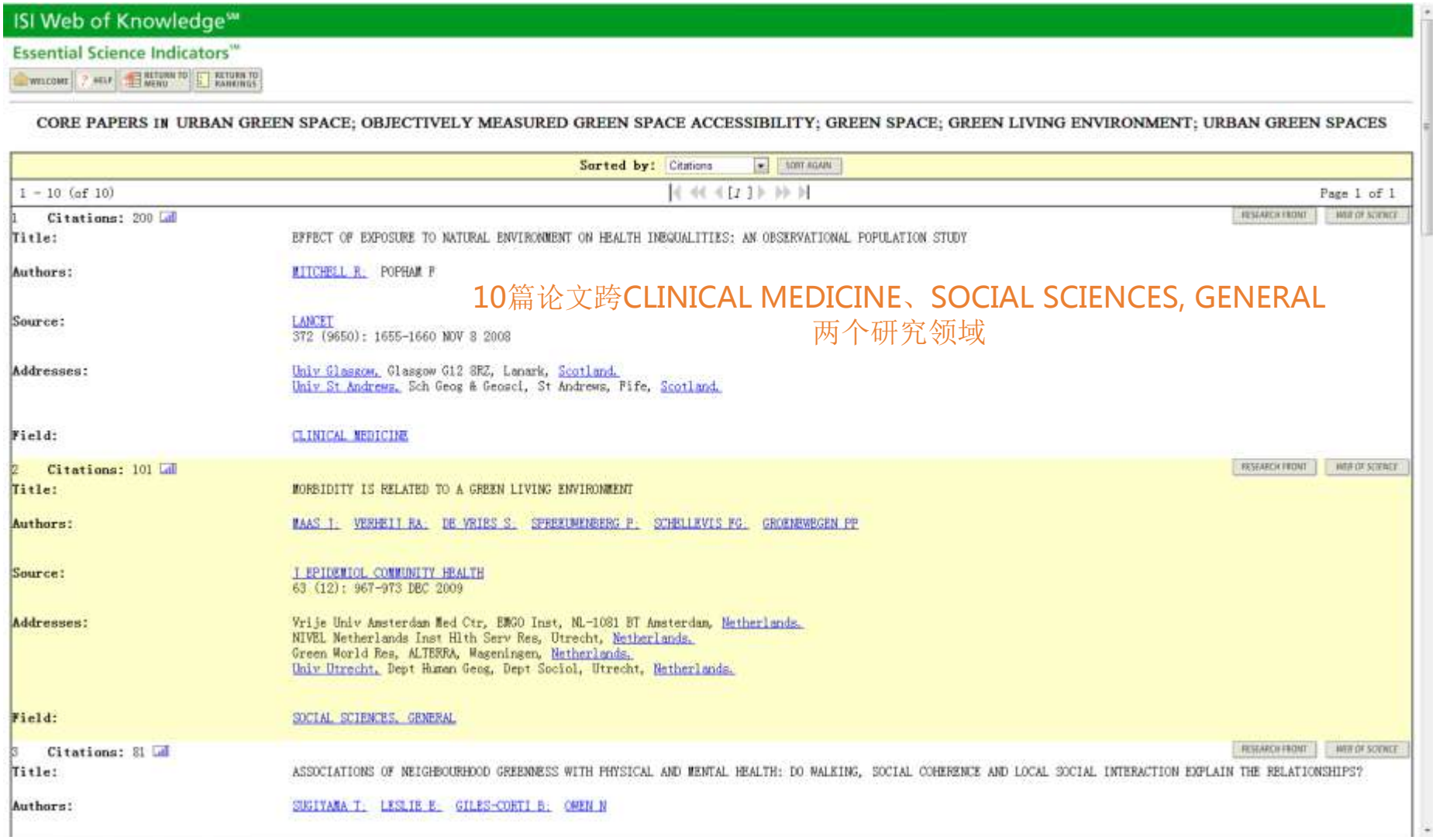

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CORE PAPERS IN URBAN GREEN SPACE; OBJECTIVELY MEASURED GREEN SPACE ACCESSIBILITY; GREEN SPACE; GREEN LIVING ENVIRONMENT; URBAN GREEN SPACES

Sorted by: Citations | SORT AGAIN

1 - 10 (of 10) | [1] | Page 1 of 1

1 Citations: 200 | RESEARCH FRONT | WEB OF SCIENCE

Title: EFFECT OF EXPOSURE TO NATURAL ENVIRONMENT ON HEALTH INEQUALITIES: AN OBSERVATIONAL POPULATION STUDY

Authors: MITCHELL R. POPHAM F

Source: LANCET
372 (9650): 1655-1660 NOV 8 2008

Addresses: Univ Glasgow, Glasgow G12 8RZ, Lanark, Scotland.
Univ St Andrews, Sch Geog & Geosci, St Andrews, Fife, Scotland.

Field: CLINICAL MEDICINE

10篇论文跨CLINICAL MEDICINE、SOCIAL SCIENCES, GENERAL
两个研究领域

2 Citations: 101 | RESEARCH FRONT | WEB OF SCIENCE

Title: MORBIDITY IS RELATED TO A GREEN LIVING ENVIRONMENT

Authors: MAAS J. VERHEIJ RA. DE VRIES S. SPREEUWENBERG P. SCHELLEVIS FG. GROENEWEGEN PP

Source: J EPIDEMIOL COMMUNITY HEALTH
63 (12): 967-973 DEC 2009

Addresses: Vrije Univ Amsterdam Med Ctr, EMGO Inst, NL-1081 BT Amsterdam, Netherlands.
NIVEL Netherlands Inst Hlth Serv Res, Utrecht, Netherlands.
Green World Res, ALTERRA, Wageningen, Netherlands.
Univ Utrecht, Dept Human Geog, Dept Sociol, Utrecht, Netherlands.

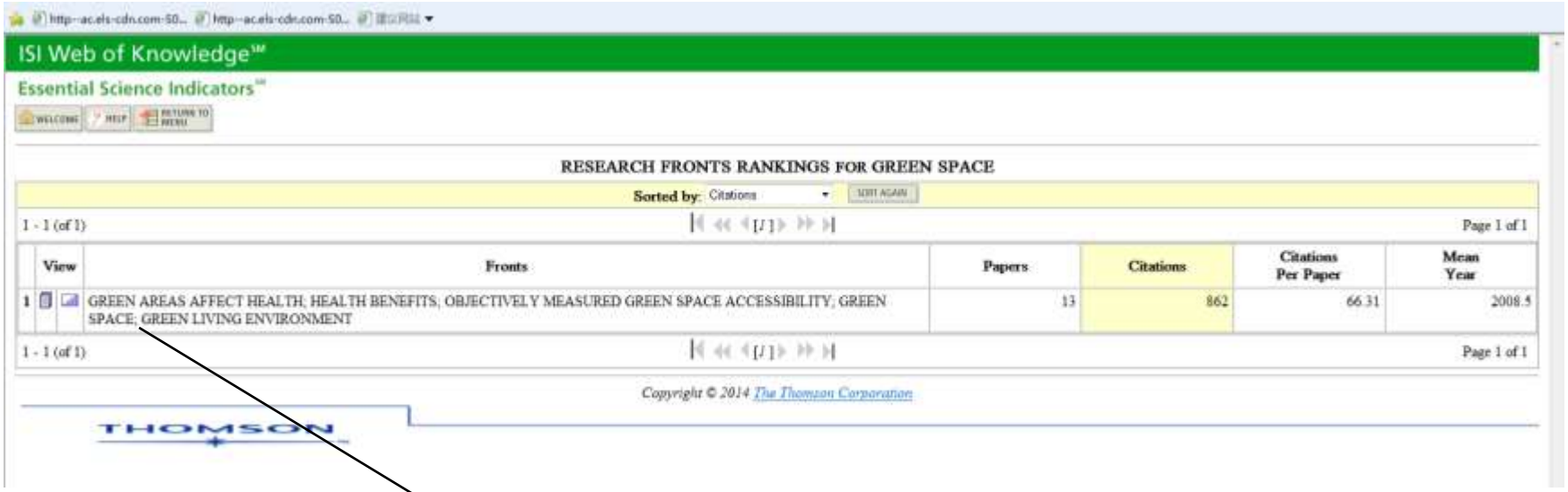
Field: SOCIAL SCIENCES, GENERAL

3 Citations: 81 | RESEARCH FRONT | WEB OF SCIENCE

Title: ASSOCIATIONS OF NEIGHBOURHOOD GREENNESS WITH PHYSICAL AND MENTAL HEALTH: DO WALKING, SOCIAL COHERENCE AND LOCAL SOCIAL INTERACTION EXPLAIN THE RELATIONSHIPS?

Authors: SUGIYAMA T. LESLIE E. GILES-CORTI B. OWEN N

如何追踪社会科学学科前沿——研究前沿



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RESEARCH FRONTS RANKINGS FOR GREEN SPACE

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		GREEN AREAS AFFECT HEALTH, HEALTH BENEFITS, OBJECTIVELY MEASURED GREEN SPACE ACCESSIBILITY, GREEN SPACE, GREEN LIVING ENVIRONMENT	13	862	66.31	2008.5

1 - 1 (of 1) Page 1 of 1

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Sorted by: Citations — SORT AGAIN

1 - 13 (of 13) — [1] — Page 1 of 1

1 **Citations:** 148 — RESEARCH FRONT | WEB OF SCIENCE

Title: EFFECT OF EXPOSURE TO NATURAL ENVIRONMENT ON HEALTH INEQUALITIES: AN OBSERVATIONAL POPULATION STUDY

Authors: MITCHELL R; POPHAM F

Source: LANCET
372 (9650): 1655-1660 NOV 8 2008

Addresses: Univ Glasgow, Glasgow G12 8RZ, Lanark, Scotland.
Univ St Andrews, Sch Geog & Geosci, St Andrews, Fife, Scotland.
Univ Glasgow, 1 Lilybank Gardens, Glasgow G12 8RZ, Lanark, Scotland.

Field: CLINICAL MEDICINE

2 **Citations:** 121 — RESEARCH FRONT | WEB OF SCIENCE

Title: CONTRIBUTION OF PUBLIC PARKS TO PHYSICAL ACTIVITY

Authors: COHEN DA; MCKENZIE TL; SEHGAL A; WILLIAMSON S; GOLINELLI D; LURIE N

Source: AMER J PUBLIC HEALTH
97 (3): 509-514 MAR 2007

Addresses: RAND Corp, Santa Monica, CA 90407 USA.
San Diego State Univ, Dept Exercise & Nutrit Sci, San Diego, CA 92182 USA.
RAND Corp, 1776 Main St, Santa Monica, CA 90407 USA.

Field: SOCIAL SCIENCES, GENERAL

3 **Citations:** 87 — RESEARCH FRONT | WEB OF SCIENCE

Title: ENVIRONMENTAL CORRELATES OF PHYSICAL ACTIVITY: A REVIEW OF EVIDENCE ABOUT PARKS AND RECREATION

Authors: KACZYNSKI AT; HENDERSON KA

学科涉及医学、社会科学期刊

屋顶绿化 （GREEN ROOFS） —研究前沿

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3月5日

RESEARCH FRONTS RANKINGS FOR GREEN ROOFS

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		GREEN ROOFS; BUILDING ENERGY SAVINGS; BUILDING ENERGY SIMULATION PROGRAMS; BUILDING ENERGY PERFORMANCE; GREEN ROOF MODEL	5	334	66.80	2010.2

1 - 1 (of 1) [1] Page 1 of 1

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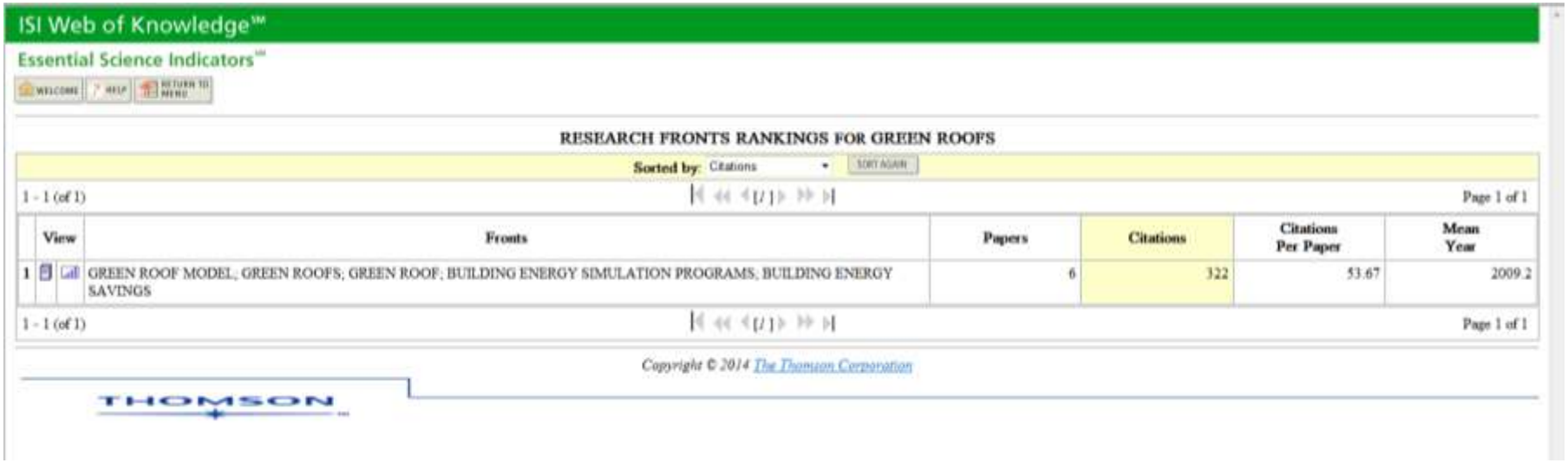
屋顶绿化;建筑能源节约;建筑能耗模拟方案;建筑能效;绿色屋顶模型

屋顶绿化 （GREEN ROOFS） —研究前沿



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1 - 1 (of 1) — Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		GREEN ROOF MODEL; GREEN ROOFS; GREEN ROOF; BUILDING ENERGY SIMULATION PROGRAMS; BUILDING ENERGY SAVINGS	6	322	53.67	2009.2

1 - 1 (of 1) — Page 1 of 1

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屋顶绿化，建筑节能

屋顶绿化 （GREEN ROOFS） —研究前沿

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1 **Citations:** 85 | RESEARCH FRONT | WEB OF SCIENCE

Title: SURFACE HEAT BUDGET ON GREEN ROOF AND HIGH REFLECTION ROOF FOR MITIGATION OF URBAN HEAT ISLAND

Authors: TAKEBAYASHI H; MORIYAMA M

Source: BLDG ENVIRON
42 (8): 2971-2979 AUG 2007

Addresses: Kobe Univ, Fac Engn, Dept Architecture & Civil Engn, Nada Ku, Kobe, Hyogo 6578501, Japan

Field: ENGINEERING

2 **Citations:** 72 | RESEARCH FRONT | WEB OF SCIENCE

Title: TEMPERATURE DECREASES IN AN URBAN CANYON DUE TO GREEN WALLS AND GREEN ROOFS IN DIVERSE CLIMATES

Authors: ALEXANDRIA E; JONES P

Source: BLDG ENVIRON
43 (4): 480-493 APR 2008

Addresses: Cardiff Univ, Welsh Sch Architecture, Cardiff CF10 3NB, Wales.
Cardiff Univ, Welsh Sch Architecture, King Edward 7 Ave, Cardiff CF10 3NB, Wales.

Field: ENGINEERING

3 **Citations:** 60 | RESEARCH FRONT | WEB OF SCIENCE

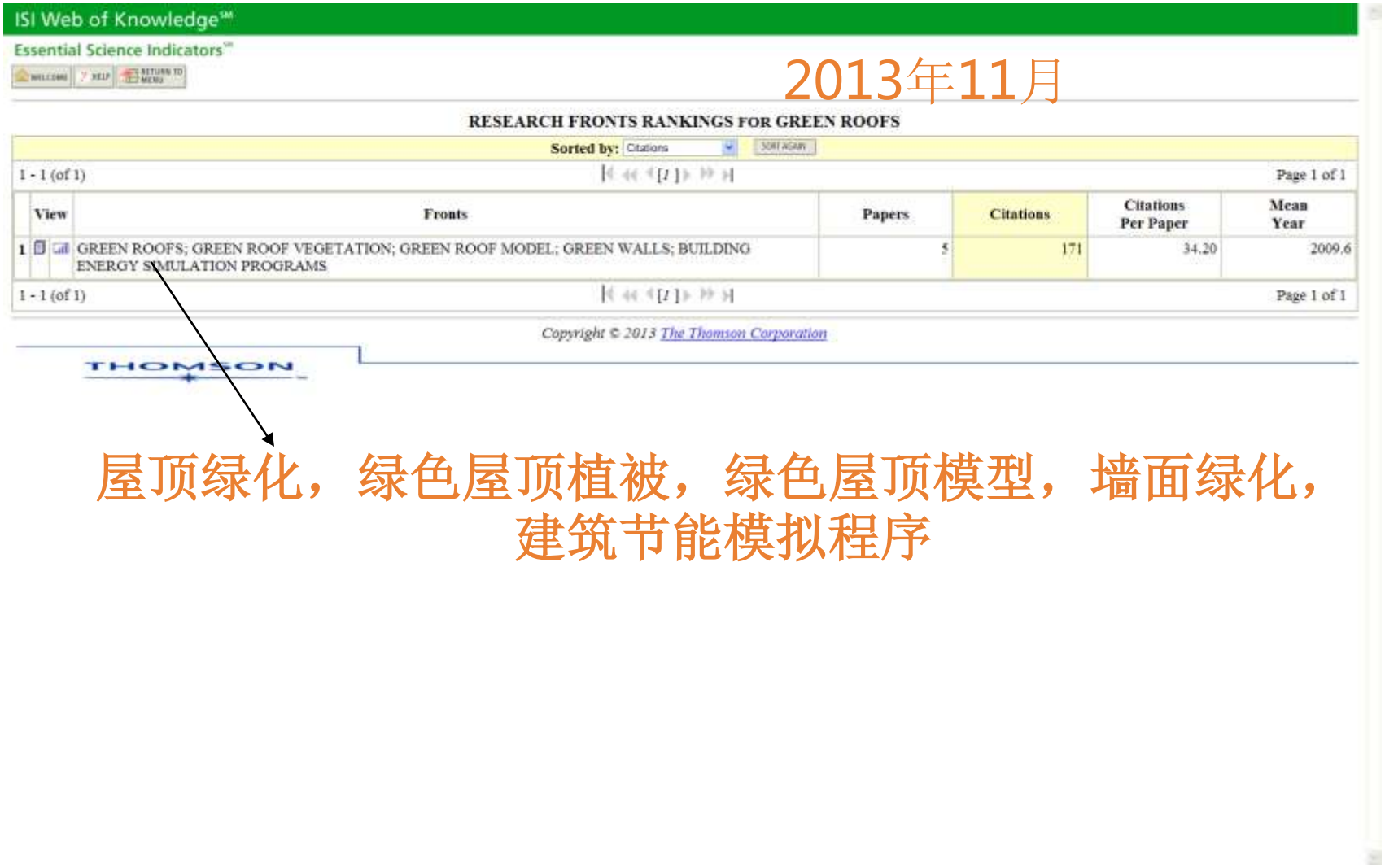
Title: A GREEN ROOF MODEL FOR BUILDING ENERGY SIMULATION PROGRAMS

Authors: SAILOR DJ

Source: ENERG BLDG
40 (8): 1466-1478 2008

Addresses: Portland State Univ, Dept Mech & Mat Engn, Portland, OR 97207 USA

屋顶绿化 （GREEN ROOFS） ——研究前沿



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	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
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1 - 1 (of 1) Page 1 of 1

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屋顶绿化，绿色屋顶植被，绿色屋顶模型，墙面绿化，建筑节能模拟程序

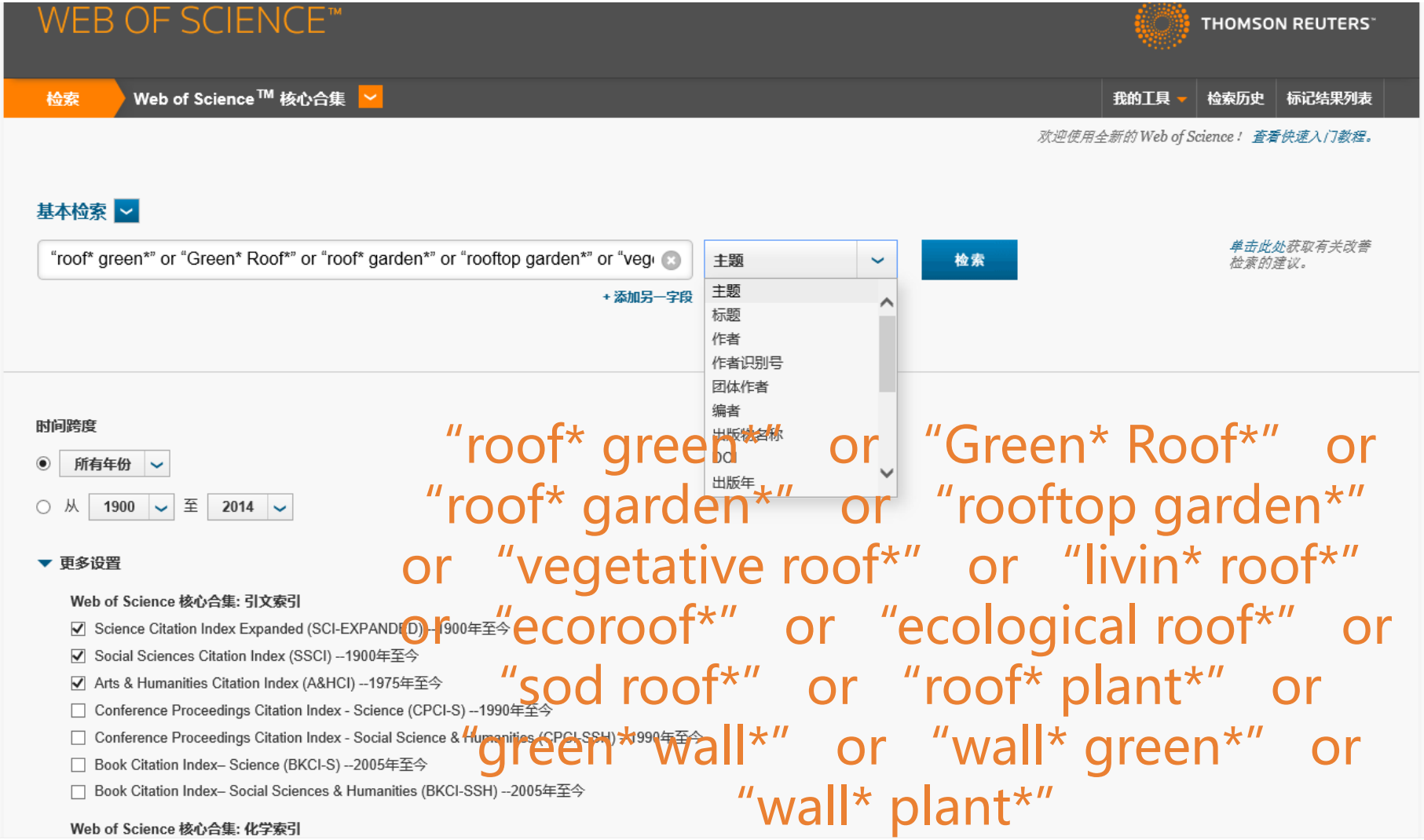
课题选题实例：屋顶绿化（Roof Greening）、墙面绿化（green walls）

"Roof* Green*" or "Green Roof*" or
"green* wall*" or "wall* green*"

课题选题实例：屋顶绿化（Roof Greening）、墙面绿化（green walls）

- 为使检索得到的文献最大限度的反映屋顶绿化的真实研究状态，提高文献查全率是必须的工作，因此关键词的选取至关重要。为了克服中英文翻译上的误差，需要通过直接阅读英文文摘或原文收集相关关键词。该课题关键词选择“屋顶绿化”、“绿色屋顶”、“生态屋顶”、“屋顶花园”、“屋顶种植”、“墙面绿化”、“生态墙面”、“墙面种植”等。
- 英文关键词检索式(“roof* green*” or “Green* Roof*” or “roof* garden*” or “rooftop garden*” or “vegetative roof*” or “livin* roof*” or “ecoroof*” or “ecological roof*” or “sod roof*” or “roof* plant*” or “green* wall*” or “wall* green*” or “wall* plant*”)输入检索框，通过主题字段进行检索

课题选题实例：屋顶绿化（Roof Greening）、墙面绿化（green walls）



"roof* green*" or "Green* Roof*" or "roof* garden*" or "rooftop garden*" or "vegetative roof*" or "livin* roof*" or "ecoroof*" or "ecological roof*" or "sod roof*" or "roof* plant*" or "green* wall*" or "wall* green*" or "wall* plant*"

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- **现在人们对这方面的研究有什么最新进展和认识？**
- **目前同一研究领域，不同的实验室是否用了不同的方法展开研究，哪种方法更合理？**
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  - 该研究领域中的高影响力学者的信息
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  - 该研究领域中的核心期刊、热点课题
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- 文献类型
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- --发表有关屋顶绿化研究论文最多的机构是哪些
- --屋顶绿化论文在哪一年发表的最多
- --屋顶绿化研究论文主要发表在那些杂志上
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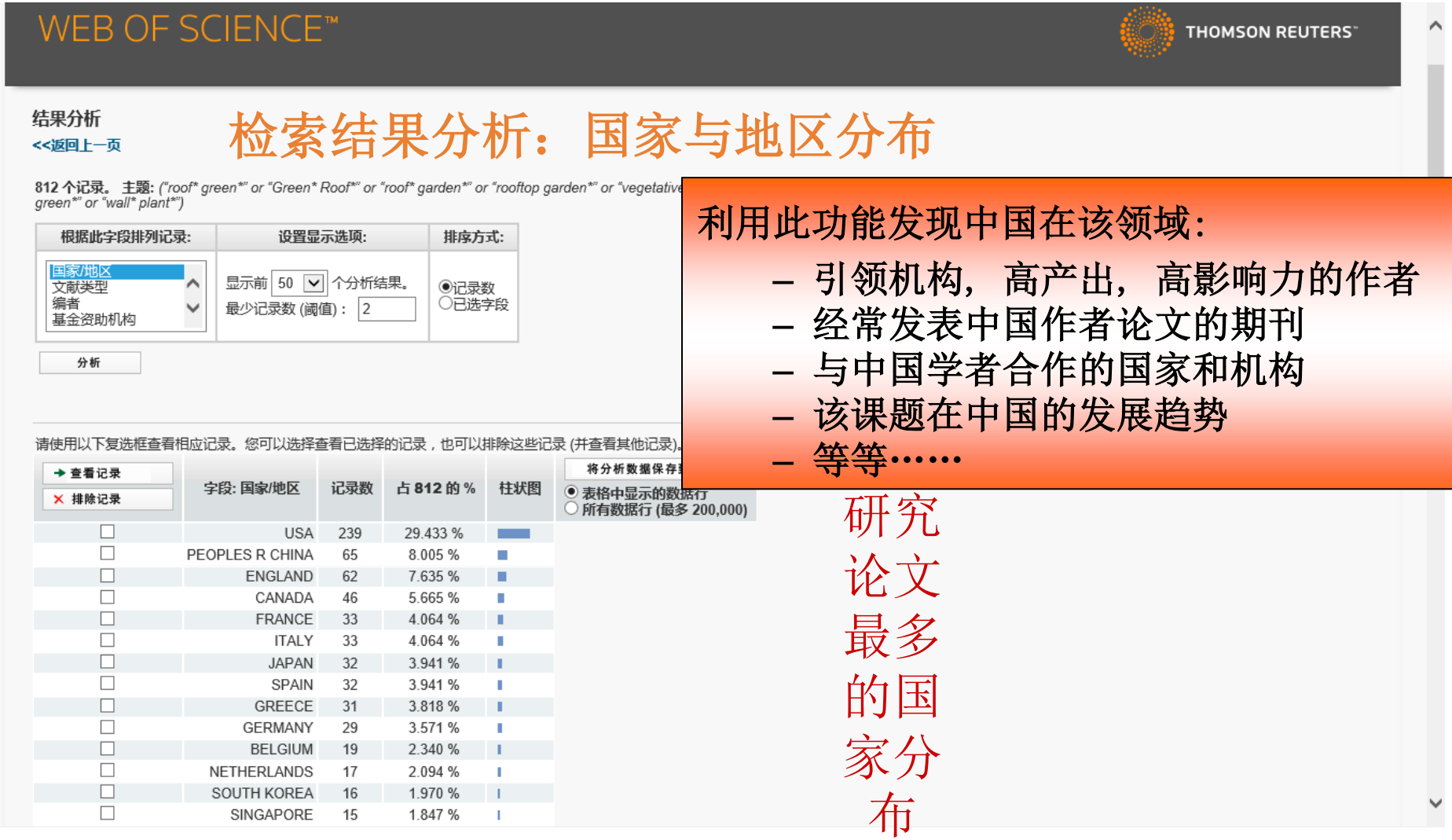

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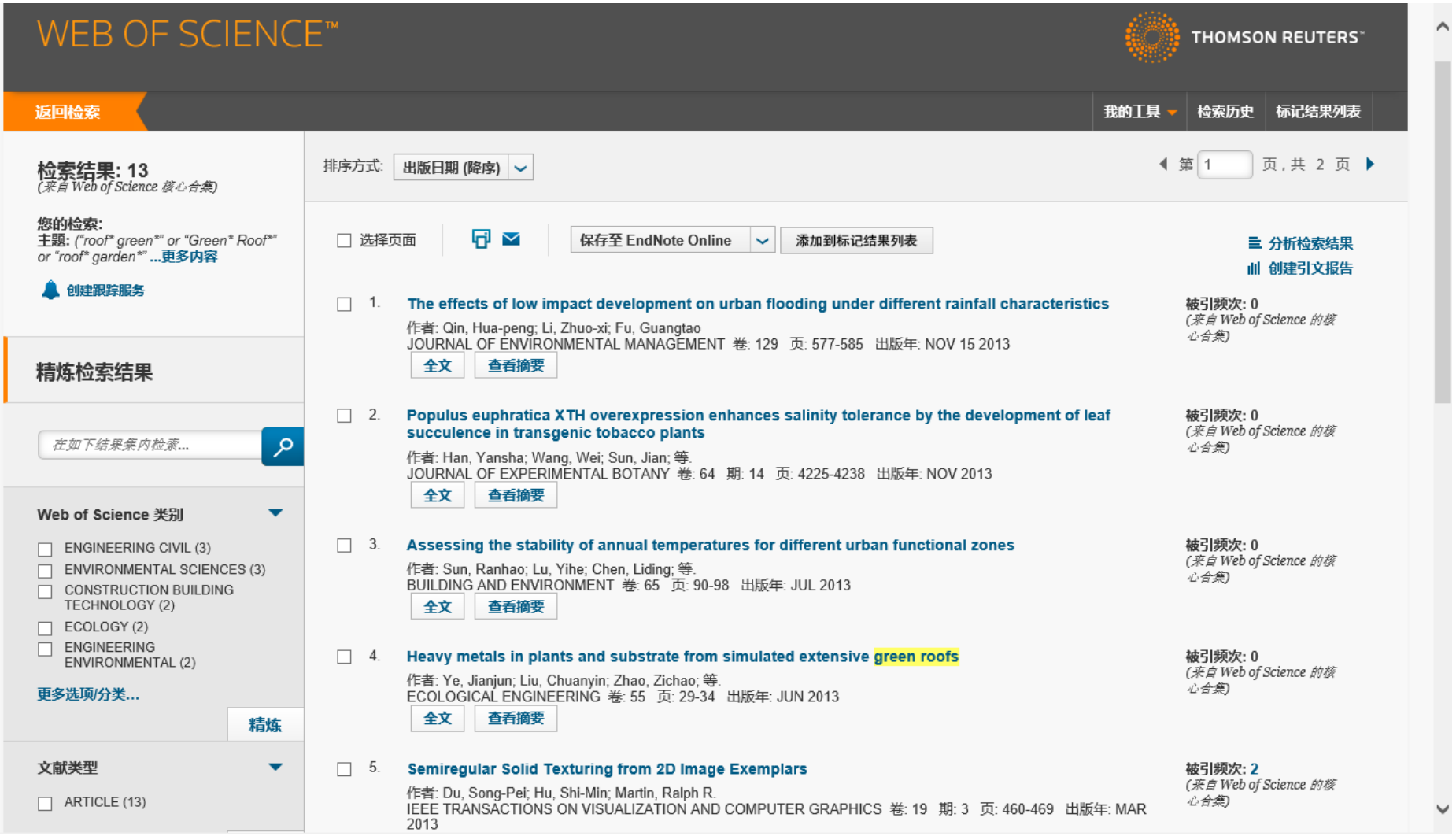

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Heavy metals in plants and substrate from simulated extensive green roofs

作者: Ye, JJ (Ye, Jianjun)[1,2]; Liu, CY (Liu, Chuanyin)[3]; Zhao, ZC (Zhao, Zichao)[4]; Li, YQ (Li, Yuqi)[3]; Yu, SX (Yu, Shixiao)[1]

ECOLOGICAL ENGINEERING
卷: 55 页: 29-34
DOI: 10.1016/j.ecoleng.2013.02.012
出版年: JUN 2013
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摘要

Recycled brick could be used in green roofs but may pose environmental risk due to its heavy metal contents. In this study, concentrations of eight heavy metals (Cr, Ni, Cu, Zn, As, Cd, Pb, and Hg) in three edible and medicinal plants (Sedum lineare Thunb (SL), Sedum sarmentosum Bunge (SS) and Portulaca oleracea L (PO)), and in recycled brick substrate from simulated extensive green roofs, were investigated in Spring and Autumn. The results showed that most heavy metal concentrations in plants (aboveground parts) in April were significantly lower than those in October, and significantly increased year on year. None of the three species showed superiority or inferiority in all heavy metal concentrations at all the four samplings. Heavy metal concentrations in aboveground parts were all significantly lower than in roots, and significantly lower than in substrate except for Zn. The three species could not be used as food a year after they were sown; only PO collected in April can be harvested as medicine, mainly due to Pb concentrations exceeding the standard. Cd concentration in substrate increased and Ni decreased during the experiment, while the others kept unchanged. The substrate was polluted according to the standard due to its high Cd concentration which mainly came from recycled brick. (C) 2013 Elsevier B.V. All rights reserved.

关键词

作者关键词: Heavy metals; Recycled brick; Substrate; Extensive green roofs; Edible and medicinal plants
KeyWords Plus: SEDUM-ALFREDII; SOILS; CHINA

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Hubei Educational Committee	Q20082501 Q20102606 Q20122502

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《园艺技术》

如何向Building and Environment《建筑与环境》期刊投稿?

点击论文题目在全记录界面了解该期刊的影响因子

点击引文报告了解该刊刊登有关屋顶绿化年发文情况

如何向Building and Environment《建筑与环境》期刊投稿?

了解该刊刊登有关屋顶绿化文章年发文情况，以及平均引用次数,了解发展趋势

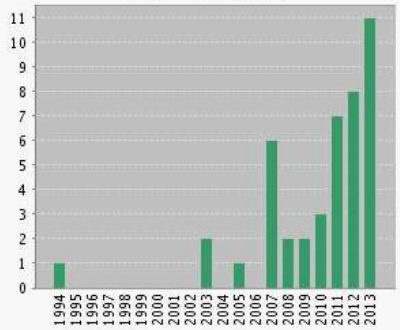
引文报告: 43

(来自 Web of Science 核心合集)

您的检索: **主题:** *("roof* green*" or "Green* Roof*" or "roof* garden*" or "rooftop garden*" or "vegetative roof*" or "livin* roof*" or "ecoroof*" or "ecological roof*" or "soil roof*" or "roof* plant*" or "green wall*" or "wall* green*" or "wall* plant*")* ...更多内容

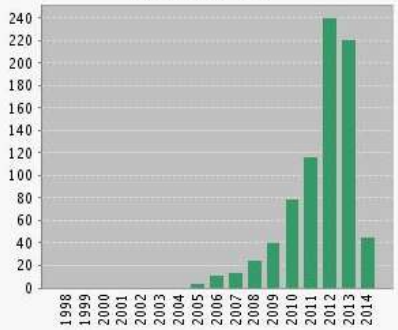
此报告中的引文均来源于Web of Science 核心合集收录的文献。执行"被引参考文献检索"，可查看Web of Science 核心合集未收录文献的引文。

每年出版的文献数



显示最近 20 年。

每年的引文数



显示最近 20 年。

找到的结果数:	43
被引频次总计[?]:	799
去除自引的被引频次总计[?]:	690
施引文献:[?]:	424
去除自引的施引文献[?]:	392
每项平均引用次数[?]:	18.58
h-index [?]:	14

H指数 14

篇均被引 18.58

排序方式: 被引频次 (降序)

第 1 页，共 5 页

选择记录前面的复选框，从 "引文报告" 中删除记录

或者限定在以下时间范围内出版的记录，从 1900 至 2014 转至

	2010	2011	2012	2013	2014	合计	平均引用次数/年
	79	117	240	221	46	799	47.00
1. **Investigation of thermal benefits of rooftop garden in the tropical environment** 作者: Wong, NH; Chen, Y; Ong, CL; 等. BUILDING AND ENVIRONMENT 卷: 38 期: 2 页: 261-270 文献号: PII S0360-1323(02)00066-5 出版年: FEB 2003	14	14	27	16	2	102	8.50
2. **Surface heat budget on green roof and high reflection roof for mitigation of urban heat island**							

如何向Building and Environment《建筑与环境》期刊投稿?

WEB OF SCIENCE™ THOMSON REUTERS

结果分析

<<返回上一页

43 个记录。 主题: ("roof* green*" or "Green* Roof*" or "roof* garden*" or "rooftop garden*" or "vegetative roof*" or "livin* roof*" or "ecoroof*" or "ecological roof*" or "sod roof*" or "roof* plant*" or "green* wall*" or "wall* green*" or "wall* plant*")

分析: 来源出版物名称: (BUILDING AND ENVIRONMENT)

根据此字段排列记录:	设置显示选项:	排序方式:
国家/地区 文献类型 编者 基金资助机构	显示前 10 个分析结果。 最少记录数 (阈值): 1	◉记录数 ○已选字段

分析

了解中国学者在该刊发表屋顶绿化论文年发文情况

请使用以下复选框查看相应记录。您可以选择查看已选择的记录，也可以排除这些记录 (并查看其他记录)。

查看记录 / 排除记录

字段: 国家/地区	记录数	占 43 的 %	柱状图
USA	9	20.930 %	
PEOPLES R CHINA	6	13.953 %	
SINGAPORE	5	11.628 %	
CANADA	4	9.302 %	
BELGIUM	3	6.977 %	
ENGLAND	3	6.977 %	
ITALY	3	6.977 %	
FRANCE	2	4.651 %	
INDIA	2	4.651 %	
NETHERLANDS	2	4.651 %	

将分析数据保存到文件
◉表格中显示的数据行
○所有数据行 (最多 200,000)

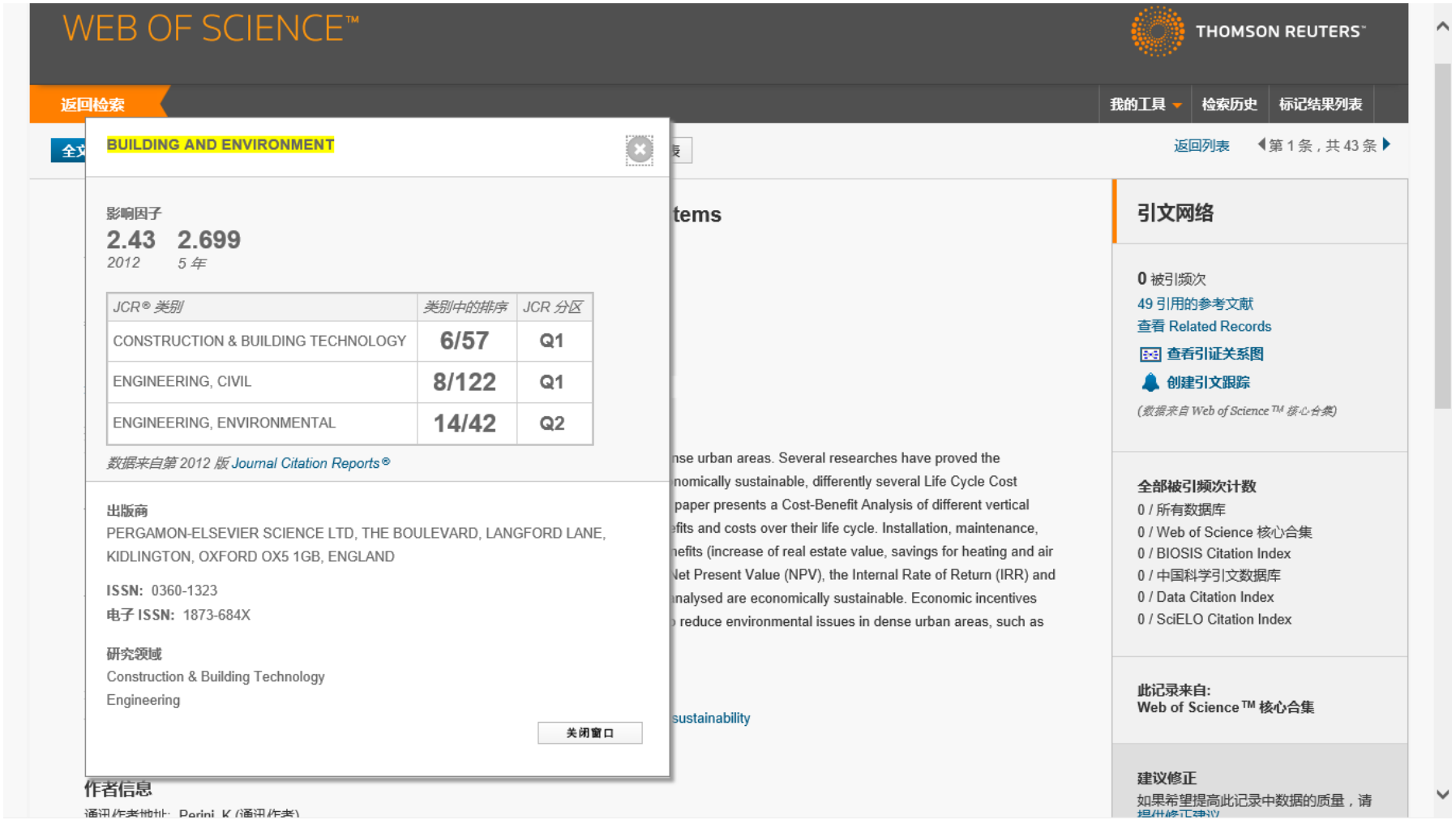
查看记录 / 排除记录
字段: 国家/地区 记录数 占 43 的 % 柱状图
将分析数据保存到文件
表格中显示的数据行
所有数据行 (最多 200,000)

如何向Building and Environment《建筑与环境》期刊投稿?

点击论文题目在全记录界面了解该期刊的影响因子

如何向Building and Environment《建筑与环境》期刊投稿?

点击论文题目在全记录界面了解该期刊的影响因子



如何向Building and Environment《建筑与环境》期刊投稿?

点击论文题目在全记录界面了解该期刊的影响因子

进入JCR数据库了解期刊的影响因子？

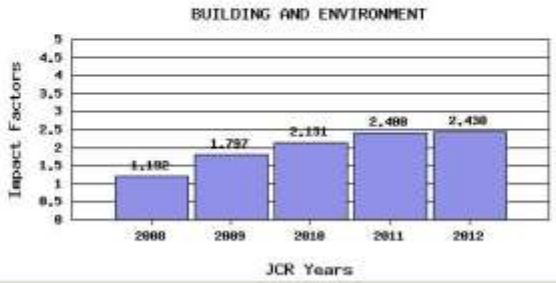
文章所在期刊**Building and Environment**
《建筑与环境》在最近**5**年的影响因子变化

ISI Web of Knowledge℠

Journal Citation Reports®

Impact Factor Trend Graph: BUILDING AND ENVIRONMENT

Click on the "Return to Journal" button to view the full journal information.



'Impact Factor' – see below for calculations

The journal impact factor is a measure of the frequency with which the "average article" in a journal has been cited in a particular year. The impact factor will help you evaluate a journal's relative importance, especially when you compare it to others in the same field. For more bibliometric data and information on this and other journal titles click on the "Return to Journal" button.

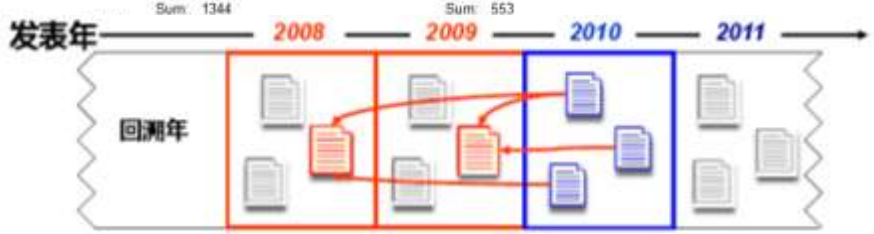
NOTE: Title changes and coverage changes may result in no impact factor for one or more years in the above graph.

2012 Impact Factor

Cites in 2012 to articles published in: 2011 = 567, 2010 = 777, Sum: 1344

Number of articles published in: 2011 = 265, 2010 = 288, Sum: 553

Calculatio



2011 Imp

Cites in 2

Calculatio

2010 Imp

Cites in 2

Calculatio

$$IF_{2010} = \frac{\text{2008年和2009年发表的文献在2010年被引用的次数}}{\text{2008年和2009年发表的文献数}}$$

2009 Impact Factor

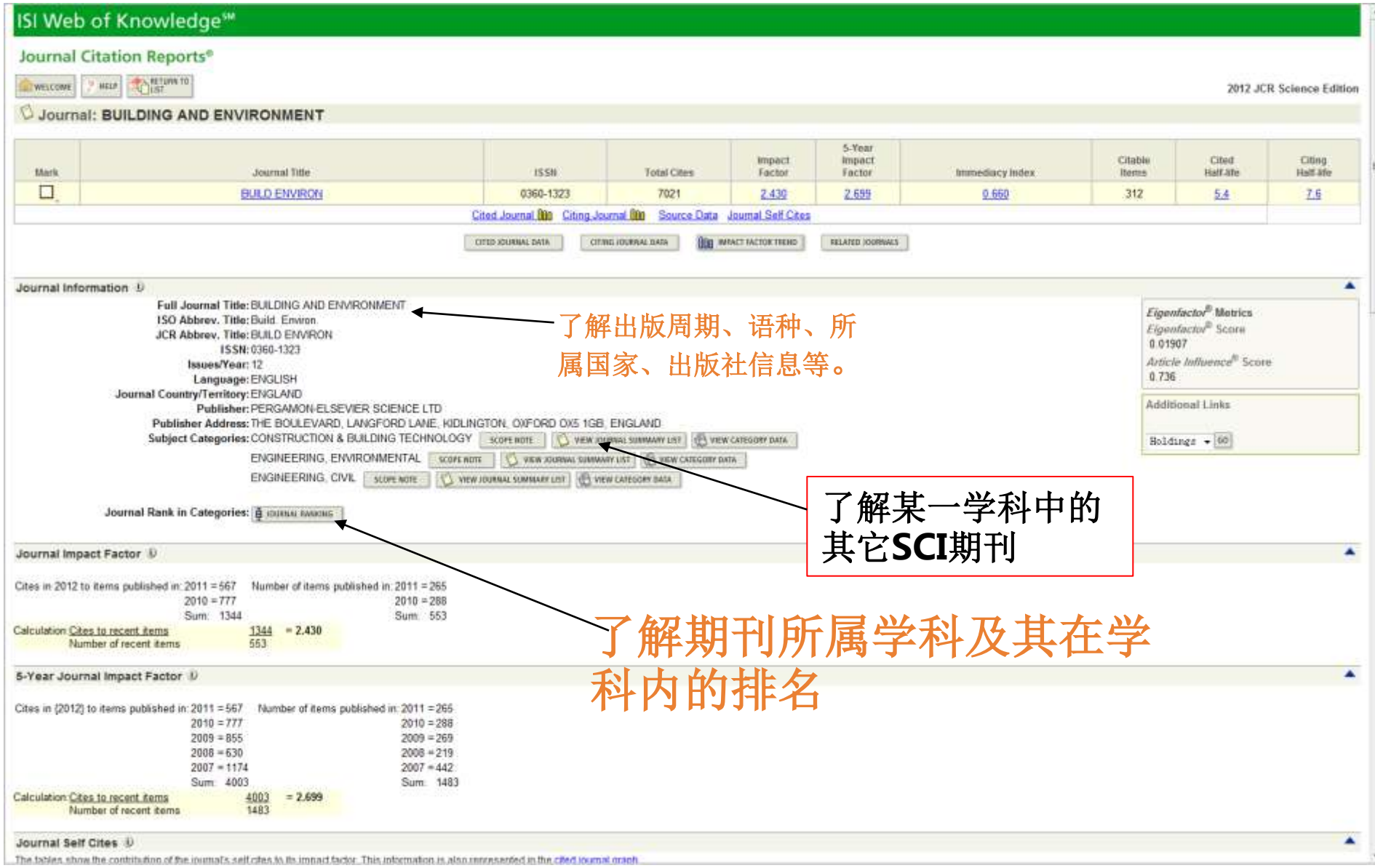
Cites in 2009 to articles published in: 2008 = 351, 2007 = 837, Sum: 1188

Number of articles published in: 2008 = 219, 2007 = 442, Sum: 661

Calculation Cites to recent articles 1188 = 1.797

影响因子（**Impact Factor**）：用该期刊前两年发表论文在当年被引用的次数除以该期刊前两年发表论文的总数所得到的值。可以用来评估同一研究领域不同期刊的相对重要性

进入JCR数据库了解期刊的影响因子？



了解出版周期、语种、所属国家、出版社信息等。

了解某一学科中的其它**SCI**期刊

了解期刊所属学科及其在学科内的排名

进入JCR数据库了解期刊的影响因子？

		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
	1	COMPUT-AIDED CIV INF	1093-9687	1315	4.460	3.326	0.623	53	5.0	0.00266	0.689
	2	INDOOR AIR	0905-6947	2218	3.302	3.633	0.696	46	7.3	0.00504	1.202
	3	CEMENT CONCRETE RES	0008-8846	13854	3.112	3.746	0.441	170	[illegible]	0.01703	1.220
	4	ENERG BUILDINGS	0378-7788	7891	2.679	3.254	0.242	516	5.5	0.01650	0.742
	5	CEMENT CONCRETE COMP	0958-9465	4299	2.523	3.359	0.363	146	7.2	0.01008	1.145
	6	BUILD ENVIRON	0360-1323	7021	2.430	2.699	0.660	312	5.4	0.01907	0.736
	7	CONSTR BUILD MATER	0950-0618	7337	2.293	2.818	0.391	960	[illegible]	0.02155	0.680
	8	BUILD RES INF	0961-3218	863	1.989	1.964	0.633	49	5.6	0.00225	0.581
	9	AUTOMAT CONSTR	0926-5805	1692	1.820	2.038	0.181	160	4.9	0.00388	0.449
	10	BUILD SERV ENG RES T	0143-6244	328	1.609	1.042	0.370	27	7.0	0.00104	0.497
	11	STRUCT CONTROL HLTH	1545-2263	611	1.544	1.559	0.175	57	4.6	0.00282	0.618
	12	J BUILD PERFORM SIMU	1940-1493	138	1.524		0.200	25	3.0	0.00096	
	13	J BUILD PHYS	1744-2591	194	1.419	1.434	0.348	23	4.6	0.00065	0.447
	14	J CONSTR STEEL RES	0143-974X	3038	1.327	1.565	0.237	232	6.8	0.00823	0.583
	15	WIND STRUCT	1226-6116	268	1.254	1.057	0.000	32	4.7	0.00117	0.425
	16	J STRUCT ENG-ASCE	0733-9445	8208	1.206	1.532	0.261	142	>10.0	0.01241	0.862
	17	LIGHTING RES TECHNOL	1477-1535	498	1.197	1.336	0.143	35	8.9	0.00079	0.364
	18	MATER STRUCT	1359-5997	3233	1.184	1.653	0.176	131	9.7	0.00731	0.701
	19	TUNN UNDERGR SP TECH	0886-7798	1267	1.106	1.508	0.142	120	6.5	0.00250	0.397
	20	J MATER CIVIL ENG	0899-1561	2152	0.959	1.205	0.108	176	7.7	0.00611	0.515

如何了解期刊的影响因子？
了解该期刊在学科中所处的影响因子四分位区间

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Journal Citation Reports®

2012 JCR Science Edition

Rank in Category: BUILDING AND ENVIRONMENT

Journal Ranking

For **2012**, the journal **BUILDING AND ENVIRONMENT** has an Impact Factor of **2.430**

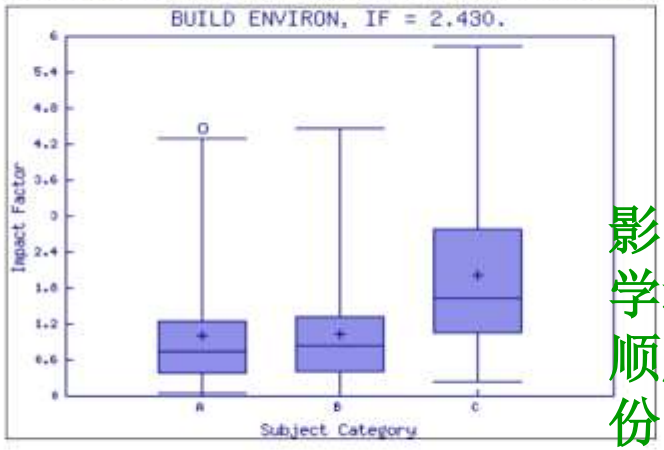
This table shows the ranking of this journal in its subject categories based on Impact Factor.

Category Name	Total Journals in Category	Journal Rank in Category	Quartile in Category
CONSTRUCTION & BUILDING TECHNOLOGY	57	6	Q1
ENGINEERING, CIVIL	122	8	Q1
ENGINEERING, ENVIRONMENTAL	42	14	Q2

Category Box Plot

For **2012**, the journal **BUILDING AND ENVIRONMENT** has an Impact Factor of **2.430**

This is a box plot of the subject category or categories to which the journal has been assigned. It provides information about the distribution of journals based on Impact Factor values. It shows median, 25th and 75th percentiles, and the extreme values of the distribution.



影响因子的四分位区间是指将一个学科领域内所有期刊影响因子大小顺序排列后，将所有期刊分成四等份，从而形成四个区间并分别标记为**Q1，Q2，Q3，Q4**

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利用SCI的分析工具了解课题的发展趋势:屋顶绿化

检索结果的分析：学科

字段: Web of Science 类别	记录数	占 812 的 %	柱状图
ENVIRONMENTAL SCIENCES	143	17.611 %	
ENGINEERING ENVIRONMENTAL	121	14.901 %	
ARCHITECTURE	111	13.670 %	
ENGINEERING CIVIL	109	13.424 %	
CONSTRUCTION BUILDING TECHNOLOGY	100	12.315 %	
ECOLOGY	82	10.099 %	
HORTICULTURE	74	9.113 %	
ENERGY FUELS	68	8.374 %	
WATER RESOURCES	68	8.374 %	
ENVIRONMENTAL STUDIES	66	8.128 %	

- **屋顶绿化**研究论文主要涉及了哪些研究领域
- 共涉及119个研究领域

利用SCI的分析工具了解课题的发展趋势:屋顶绿化

Web of Science™ | InCites® | Journal Citation Reports® | Essential Science Indicators℠ | EndNote® | Yuehua | 帮助 | 简体中文

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结果分析

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812 个记录。 主题: ("roof* green*" or "Green* Roof*" or "roof* garden*" or "rooftop garden*" or "vegetative roof*" or "livin* roof*" or "ecoroof*" or "ecological roof*" or "sod roof*" or "roof* plant*" or "green* wall*" or "wall* green*" or "wall* plant*")

分析: 来源出版物名称: (BUILDING AND ENVIRONMENT)

根据此字段排列记录:	设置显示选项:	排序方式:
出版年 研究方向 来源出版物名称 Web of Science 类别	显示前 10 个分析结果。 最少记录数 (阈值): 1	◉记录数 ○已选字段

分析

出版年分析：了解课题的发展趋势以及判断课题的发展阶段。

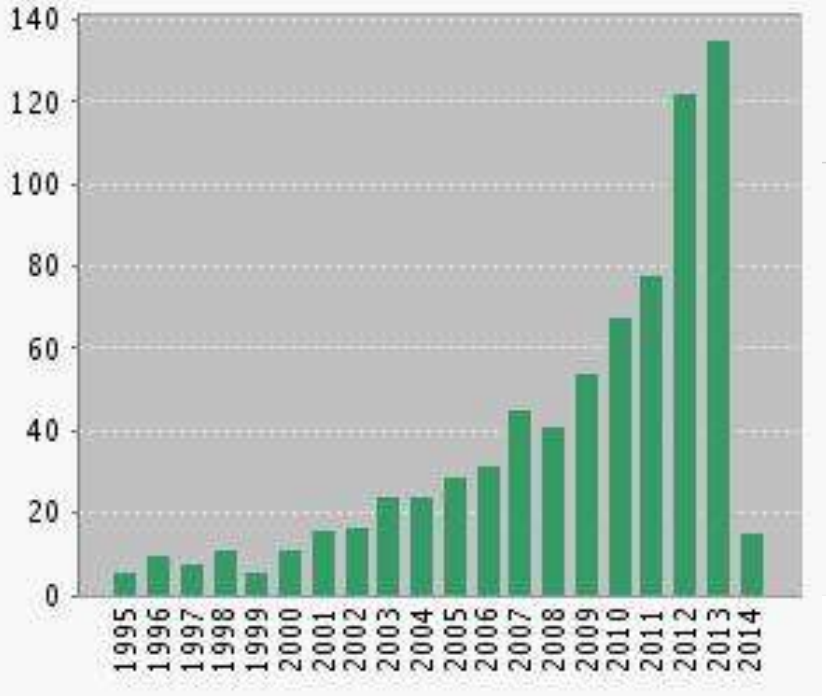
请使用以下复选框查看相应记录。您可以选择查看已选择的记录，也可以排除这些记录 (并查看其他记录)。

查看记录 | 排除记录

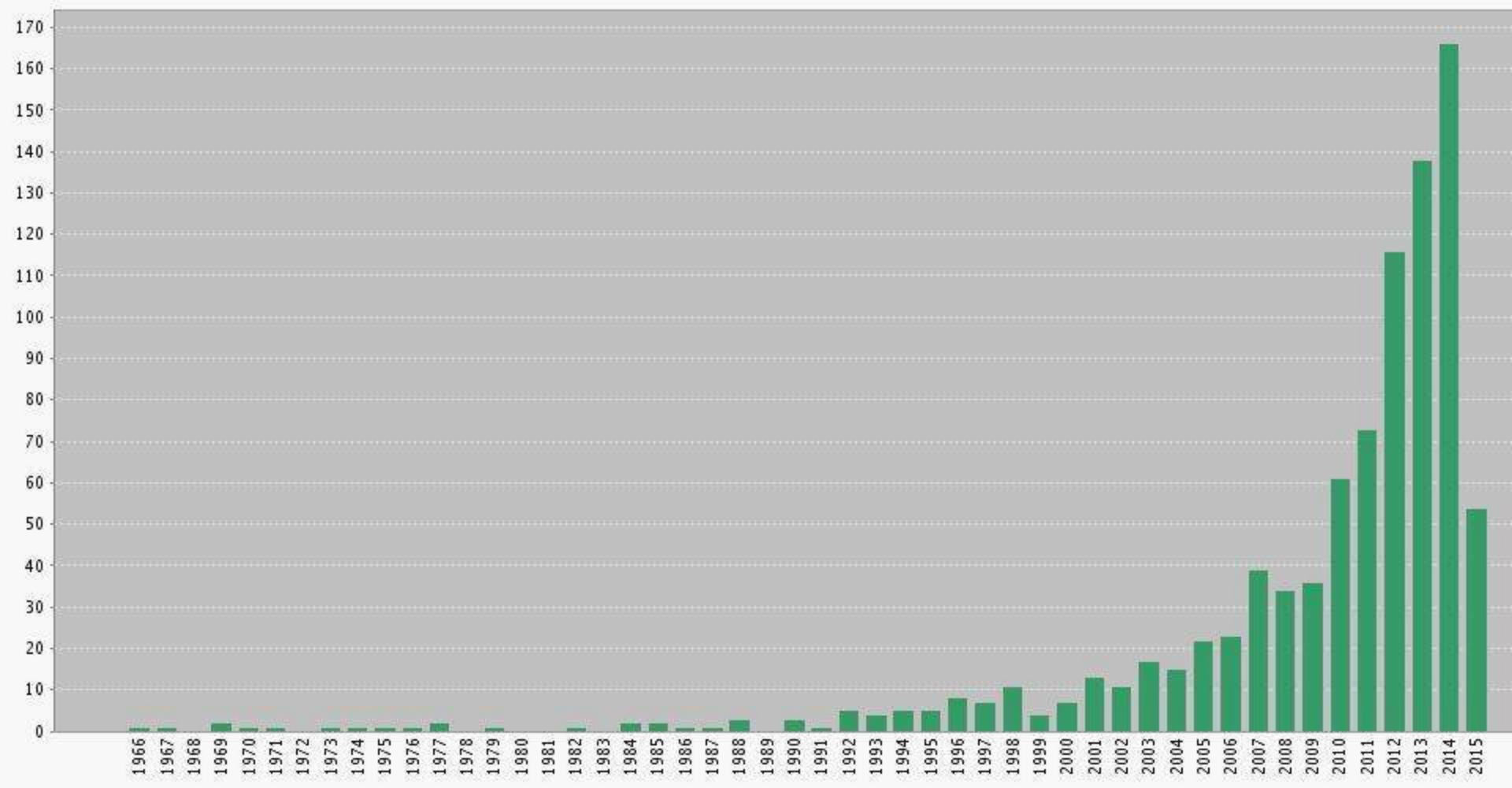
字段: 出版年	记录数	占 812 的 %	柱状图
2013	135	16.626 %	
2012	122	15.025 %	
2011	78	9.606 %	
2010	68	8.374 %	
2009	54	6.650 %	
2007	45	5.542 %	
2008	41	5.049 %	
2006	32	3.941 %	
2005	29	3.571 %	
2003	24	2.956 %	

将分析数据保存到文件

◉表格中显示的数据行
○所有数据行 (最多 200,0



课题选题实例：屋顶绿化



屋顶绿化1966-2015年发文趋势

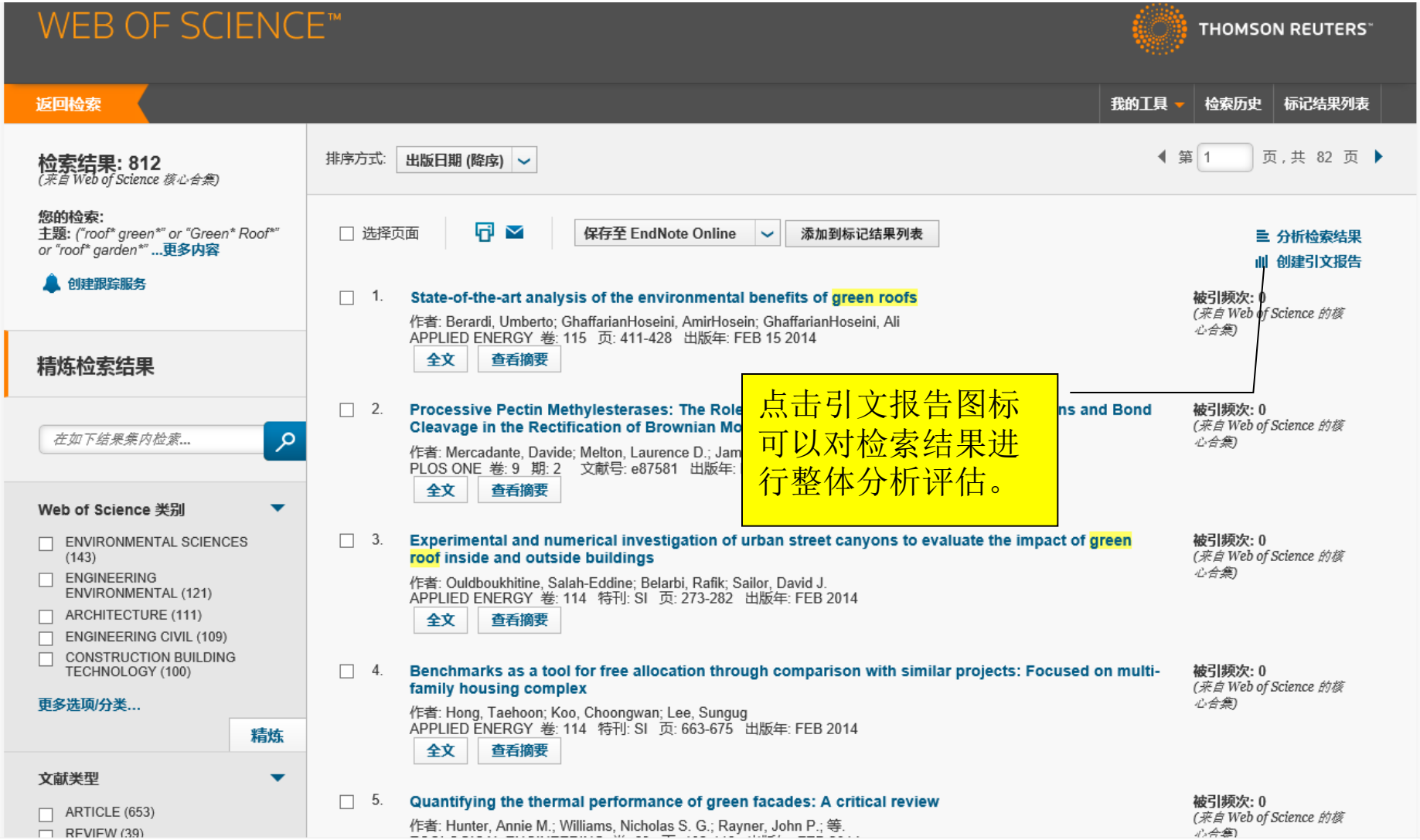
如何从整体上把握课题的发展方向和趋势？

利用SCI的分析工具了解课题的发展趋势:屋顶绿化

- 分析某研究课题的总体发展趋势。
- 找到该研究课题中潜在的合作者和合作机构。
- 对该课题领域的国家信息分析，例：国家内领先机构和高校等。
- 被引参考文献检索--了解某一研究理论是如何发展和被应用的，以发现新的研究思路。

利用SCI的分析工具了解课题的发展趋势:屋顶绿化

利用SCI的分析工具了解课题的发展趋势:屋顶绿化



评估该课题的影响力

利用SCI的分析工具了解课题的发展趋势:屋顶绿化

引文报告: 812

(来自 Web of Science 核心合集)

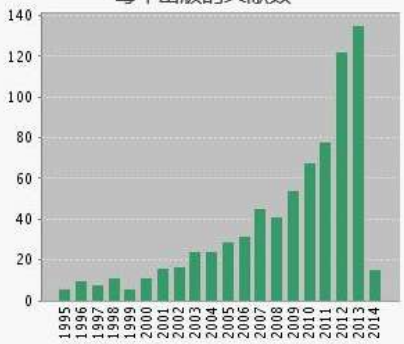
您的检索: **主题:** *("roof* green*" or "Green* Roof*" or "roof* garden*" or "rooftop garden*" or "vegetative roof*" or "livin* roof*" or "ecoroof*" or "ecological roof*" or "sod roof*" or "roof* plant*" or "green* wall*" or "wall* green*" or "wall* plant*")* ...更多内容

此报告中的引文均来源于Web of Science 核心合集收录的文献。执行"被引参考文献检索"，可查看Web of Science 核心合集未收录文献的引文。

H指数:40

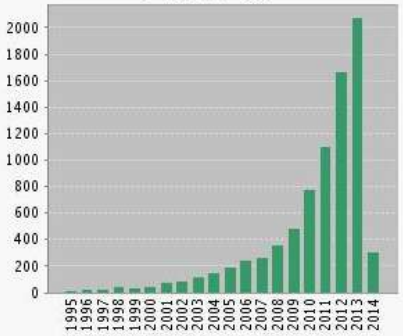
篇均被引10.14次

每年出版的文献数



显示最近 20 年。
查看所有年份的图表。

每年的引文数



显示最近 20 年。
查看所有年份的图表。

找到的结果数:	812
被引频次总计[?]:	8233
去除自引的被引频次总计[?]:	4847
施引文献[?]:	4654
去除自引的施引文献[?]:	4253
每项平均引用次数[?]:	10.14
h-index [?]:	48

排序方式: 被引频次 (降序)

第 1 页，共 82 页

屋顶绿化课题引文情况，了解发展趋势

选择记录前面的复选框，从 "引文报告" 中删除记录

或者限定在以下时间范围内出版的记录，从 1900 至 2014 转至

	2010 ◀	2011	2012	2013	2014 ▶	合计	平均引用次数/年
	775	1105	1675	2074	310	8233	178.98
1. **Microalgae for Oil: Strain Selection, Induction of Lipid Synthesis and Outdoor Mass Cultivation in a Low-Cost Photobioreactor** 作者: Rodolfi, Liliana; Zittelli, Graziella Chini; Bassi, Niccolo; 等. BIOTECHNOLOGY AND BIOENGINEERING 卷: 102 期: 1 页: 100-112 出版年: JAN 1 2009	43	86	119	176	18	453	75.50

利用SCI的分析工具了解课题的发展趋势:屋顶绿化

屋顶绿化课题美国学者发文影响力

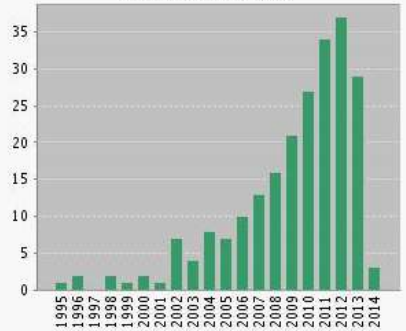
引文报告: 239
(来自 Web of Science 核心合集)

您的检索: **主题:** *("roof* green*" or "Green* Roof*" or "roof* garden*" or "rooftop garden*" or "vegetative roof*" or "livin* roof*" or "ecoroof*" or "ecological roof*" or "sod roof*" or "roof* plant*" or "green* wall*" or "wall* green*" or "wall* plant*")* ...更多内容

此报告中的引文均来源于Web of Science 核心合集收录的文献。执行"被引参考文献检索"，可查看Web of Science 核心合集未收录文献的引文。

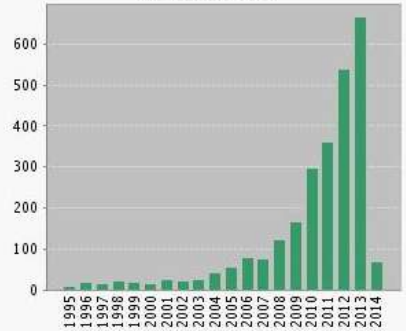
H指数:31

每年出版的文献数



显示最近 20 年。
查看所有年份的图表。

每年的引文数



显示最近 20 年。
查看所有年份的图表。

篇均被引11.18次

找到的结果数:	239
被引频次总计[?]:	2671
去除自引的被引频次总计[?]:	2155
施引文献[?]:	1615
去除自引的施引文献[?]:	1505
每项平均引用次数[?]:	11.18
h-index [?]:	31

排序方式: 被引频次 (降序)　　第 1 页，共 24 页

选择记录前面的复选框，从 "引文报告" 中删除记录
或者限定在以下时间范围内出版的记录，从 1900 至 2014 转至

	2010 ◀	2011	2012	2013	2014 ▶	合计	平均引用次数/年
	298	361	538	665	69	2671	106.84
1. ENTROPY OF HYDROPHOBIC HYDRATION - A NEW STATISTICAL MECHANICAL FORMULATION 作者: LAZARIDIS, T; PAULAITIS, ME JOURNAL OF PHYSICAL CHEMISTRY 卷: 96 期: 9 页: 3847-3855 出版年: APR 30 1992	6	4	9	3	0	147	6.39

利用SCI的分析工具了解课题的发展趋势:屋顶绿化

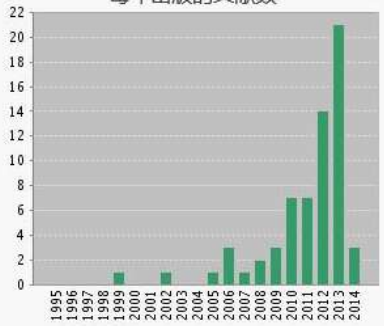
屋顶绿化课题中国学者发文影响力

引文报告: 65
(来自 Web of Science 核心合集)

您的检索: **主题:** *("roof* green*" or "Green* Roof*" or "roof* garden*" or "rooftop garden*" or "vegetative roof*" or "livin* roof*" or "ecoroof*" or "ecological roof*" or "sod roof*" or "roof* plant*" or "green* wall*" or "wall* green*" or "wall* plant*")* ...更多内容

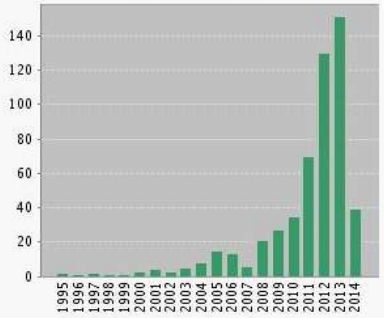
此报告中的引文均来源于Web of Science 核心合集收录的文献。执行"被引参考文献检索"，可查看Web of Science 核心合集未收录文献的引文。

每年出版的文献数



显示最近 20 年。

每年的引文数



显示最近 20 年。

H指数:11

篇均被引8.26次

找到的结果数:	65
被引频次总计[?]:	537
去除自引的被引频次总计[?]:	453
施引文献[?]:	427
去除自引的施引文献[?]:	399
每项平均引用次数[?]:	8.26
h-index [?]:	11

排序方式: 被引频次 (降序)　　第 1 页，共 7 页

	2010 ◀	2011	2012	2013	2014 ▶	合计	平均引用次数/年
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1. **Carbon Nanotubes as Molecular Transporters for Walled Plant Cells** 作者: Liu, Qiaoling; Chen, Bo; Wang, Qinli; 等. NANO LETTERS 卷: 9 期: 3 页: 1007-1010 出版年: MAR 2009	12	19	27	21	3	87	14.50
2. **Recreation-amenity use and contingent valuation of urban greenspaces in Guangzhou, China**							

利用SCI的分析工具了解课题的发展趋势:屋顶绿化

屋顶绿化课题英国学者发文影响力

引文报告: 62

(来自 Web of Science 核心合集)

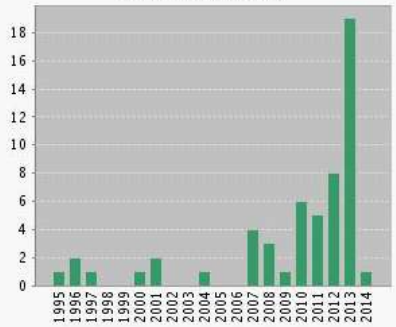
您的检索: **主题:** *("roof* green*" or "Green* Roof*" or "roof* garden*" or "rooftop garden*" or "vegetative roof*" or "livin* roof*" or "ecoroof*" or "ecological roof*" or "sod roof*" or "roof* plant*" or "green* wall*" or "wall* green*" or "wall* plant*")* ...更多内容

此报告中的引文均来源于Web of Science 核心合集收录的文献。执行"被引参考文献检索"，可查看Web of Science 核心合集未收录文献的引文。

H指数:15

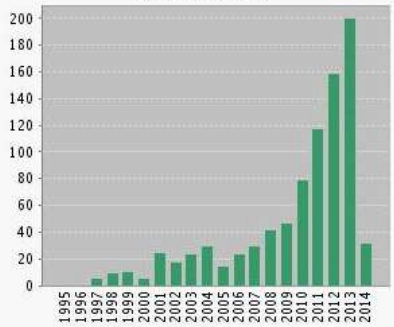
篇均被引14.29次

每年出版的文献数



显示最近 20 年。
查看所有年份的图表。

每年的引文数



显示最近 20 年。
查看所有年份的图表。

找到的结果数:	62
被引频次总计[?]:	886
去除自引的被引频次总计[?]:	819
施引文献[?]:	757
去除自引的施引文献[?]:	730
每项平均引用次数[?]:	14.29
h-index [?]:	15

排序方式: 被引频次 (降序)

◀ 第 1 页，共 7 页 ▶

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或者限定在以下时间范围内出版的记录，从 1900 至 2014 转至

	2010 ◀	2011	2012	2013	2014 ▶	合计	平均引用次数/年
	79	118	159	200	32	886	30.55
1. **Green roofs as urban ecosystems: Ecological structures, functions, and services** 作者: Oberndorfer, Erica; Lundholm, Jeremy; Bass, Brad; 等. BIOSCIENCE 卷: 57 期: 10 页: 823-833 出版年: NOV 2007	14	30	24	31	2	116	14.50

利用SCI的分析工具了解课题的发展趋势:屋顶绿化

屋顶绿化课题加拿大学者发文影响力

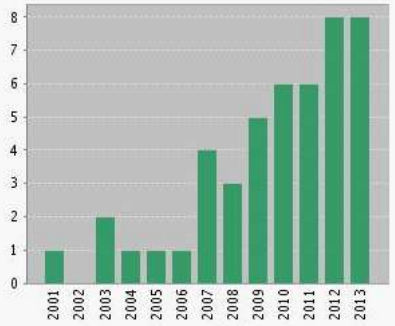
引文报告: 46
(来自 Web of Science 核心合集)

您的检索: **主题:** *("roof* green*" or "Green* Roof*" or "roof* garden*" or "rooftop garden*" or "vegetative roof*" or "livin* roof*" or "ecoroof*" or "ecological roof*" or "sod roof*" or "roof* plant*" or "green* wall*" or "wall* green*" or "wall* plant*")* **...更多内容**

此报告中的引文均来源于Web of Science 核心合集收录的文献。执行"被引参考文献检索"，可查看Web of Science 核心合集未收录文献的引文。

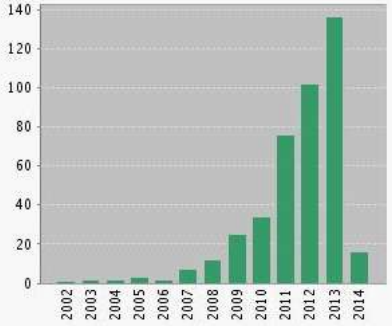
H指数:10

每年出版的文献数



显示最近 20 年。

每年的引文数



显示最近 20 年。

篇均被引9.09次

找到的结果数:	46
被引频次总计[?]:	418
去除自引的被引频次总计[?]:	372
施引文献[?]:	296
去除自引的施引文献[?]:	278
每项平均引用次数[?]:	9.09
h-index [?]:	10

排序方式: 被引频次 (降序)　　第 1 页，共 5 页

	2010 ◀	2011	2012	2013	2014 ▶	合计	平均引用次数/年
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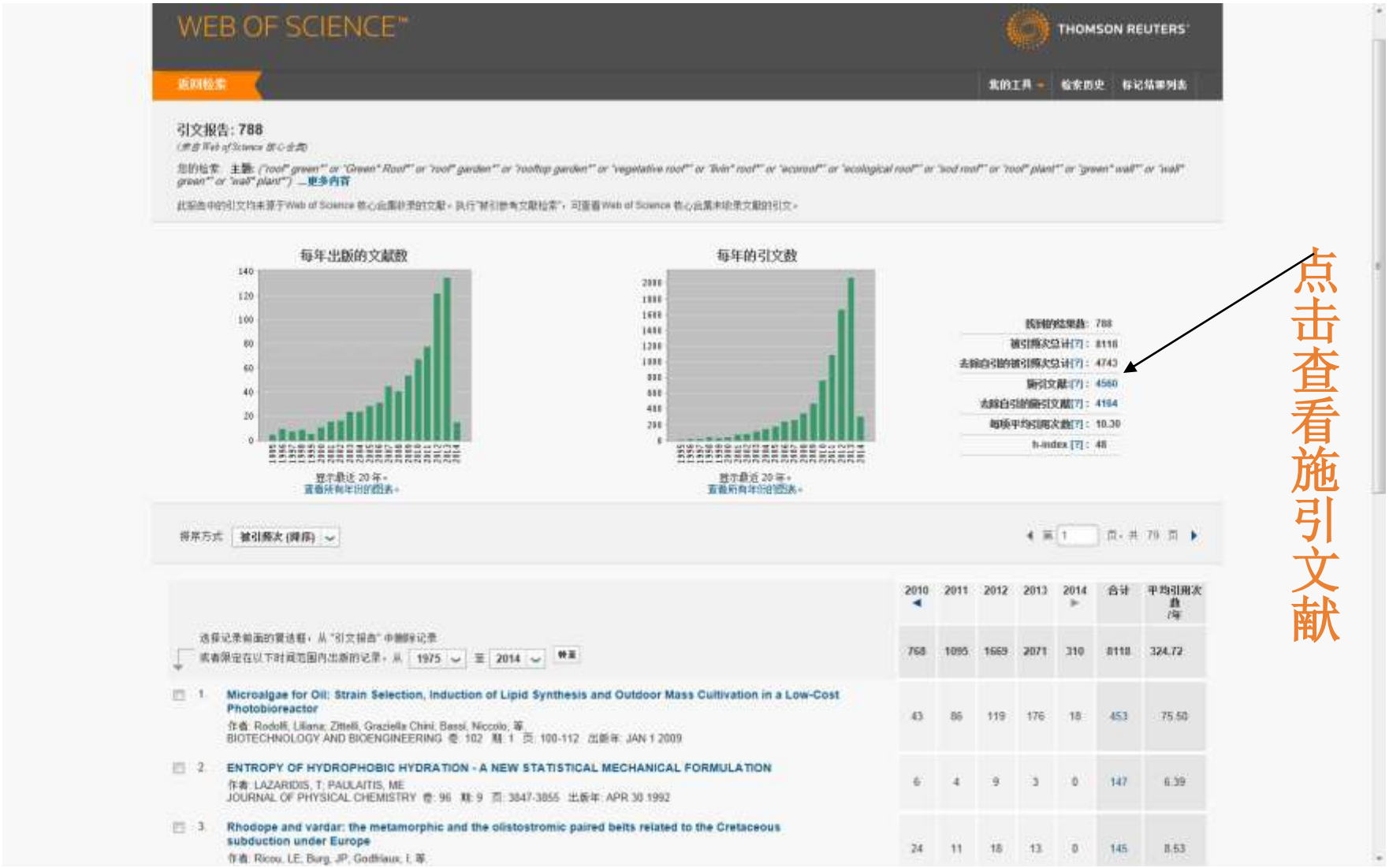
1. **Green roofs as urban ecosystems: Ecological structures, functions, and services** 作者: Oberndorfer, Erica; Lundholm, Jeremy; Bass, Brad; 等. BIOSCIENCE 卷: 57 期: 10 页: 823-833 出版年: NOV 2007	14	30	24	31	2	116	14.50
2. **Comparative life cycle assessment of standard and green roofs**							

屋顶绿化的论文被哪些期刊引用？

点击查看施引文献，在施引文献结果中点击分析检索结果



点击查看施引文献

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也可在精炼检索结果点击来源出版物

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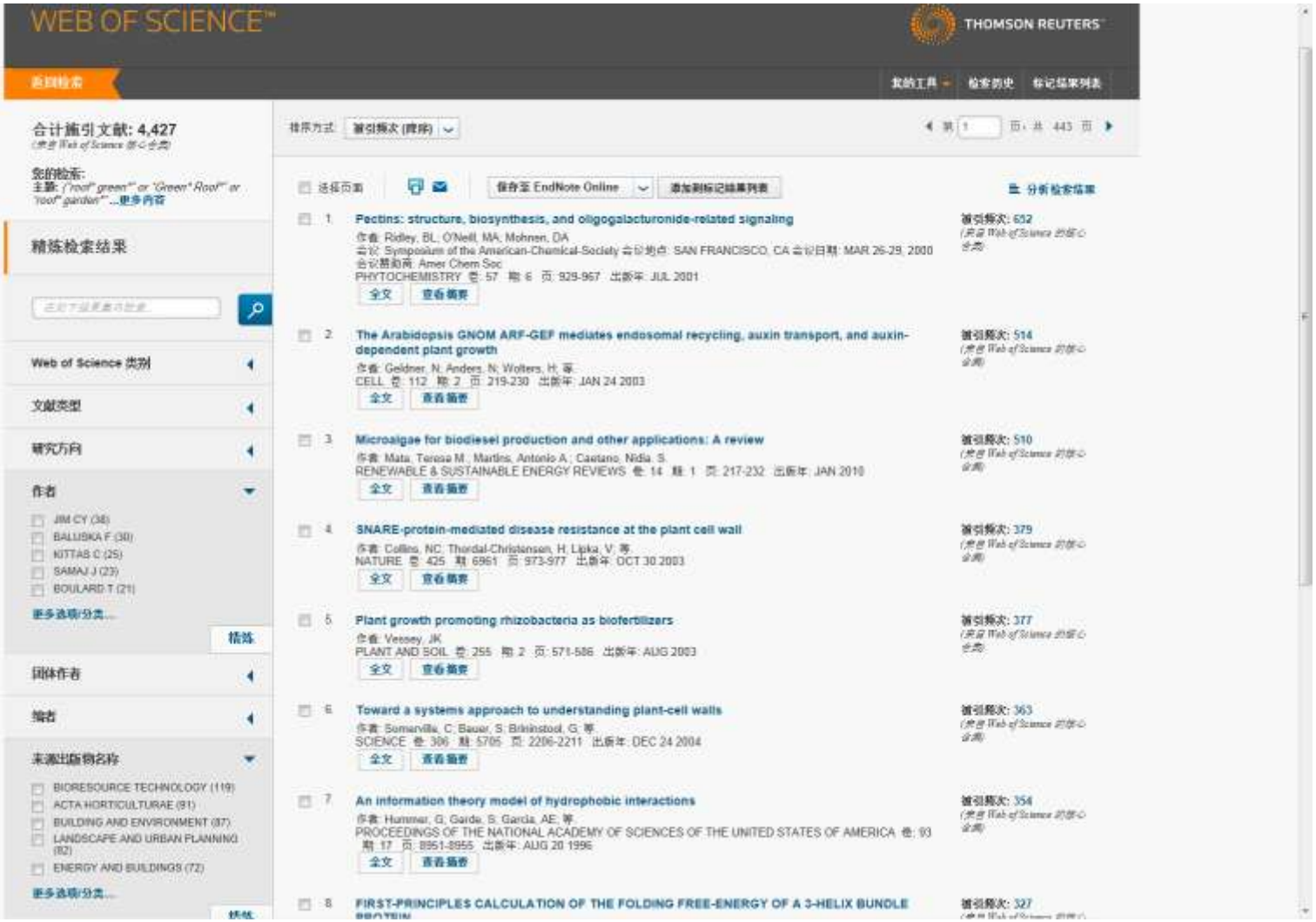
您的论文可以向这些引用屋顶绿化论文的核心期刊投稿

屋顶绿化的论文被哪些高影响力作者引用？

点击查看施引文献，在施引的论文被哪些高影响力作者引用？文献结果中点击分析检索结果，也可在精炼检索结果点击作者



屋顶绿化的论文被哪些研究机构引用？

点击查看施引文献，在施引文献结果中点击分析检索结果，也可在精炼检索结果点击机构

屋顶绿化的论文被哪些研究国家引用？

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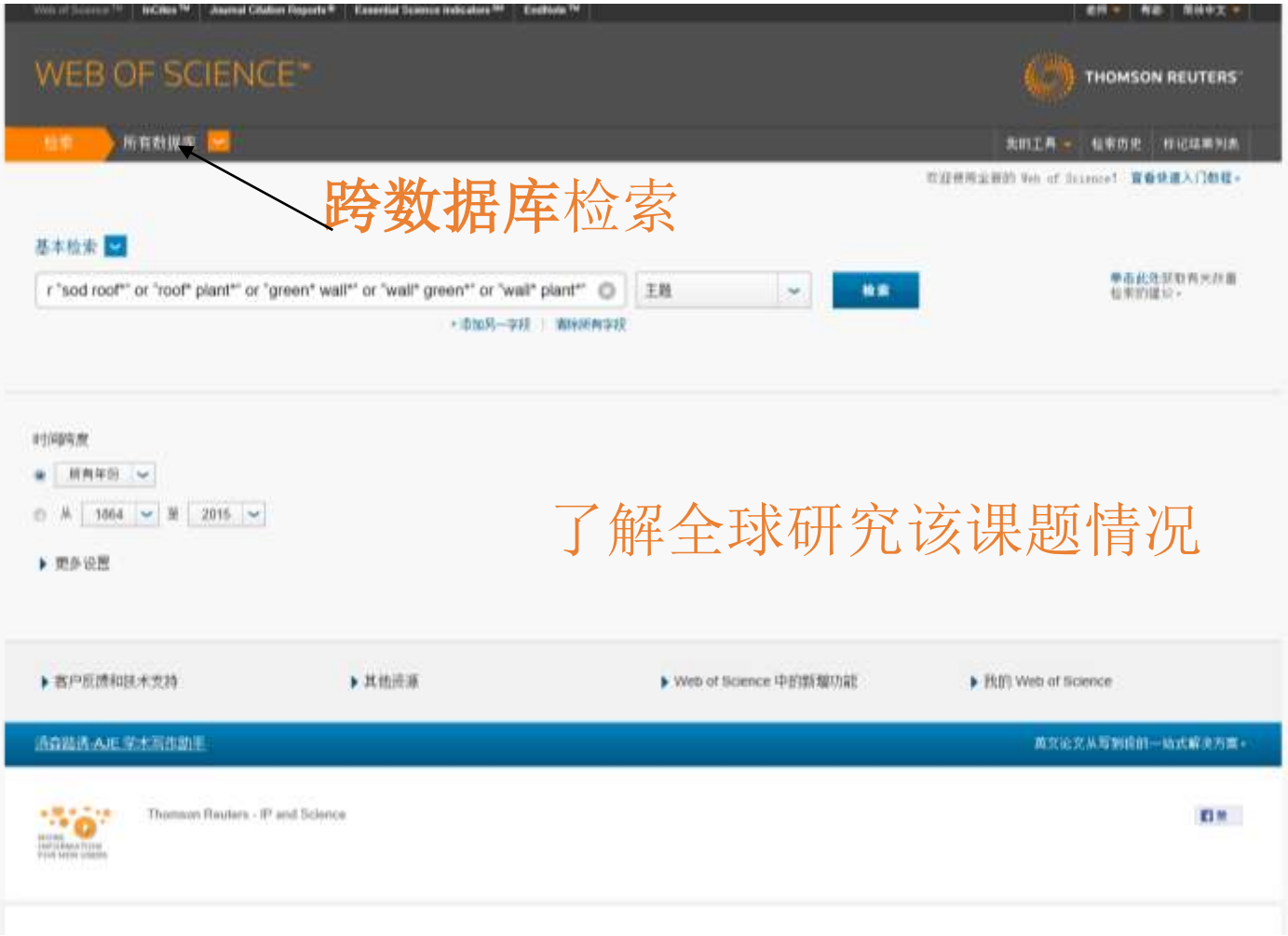
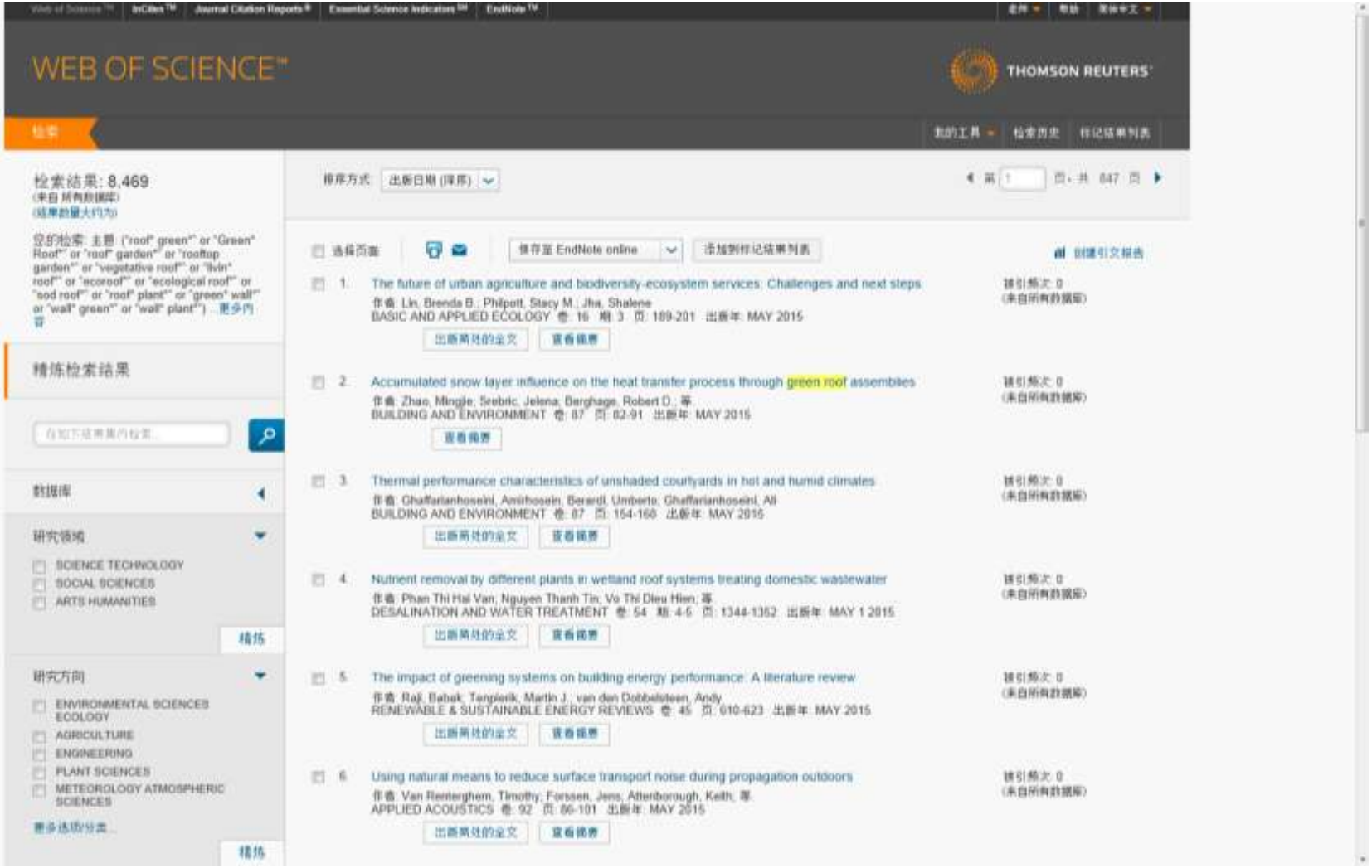
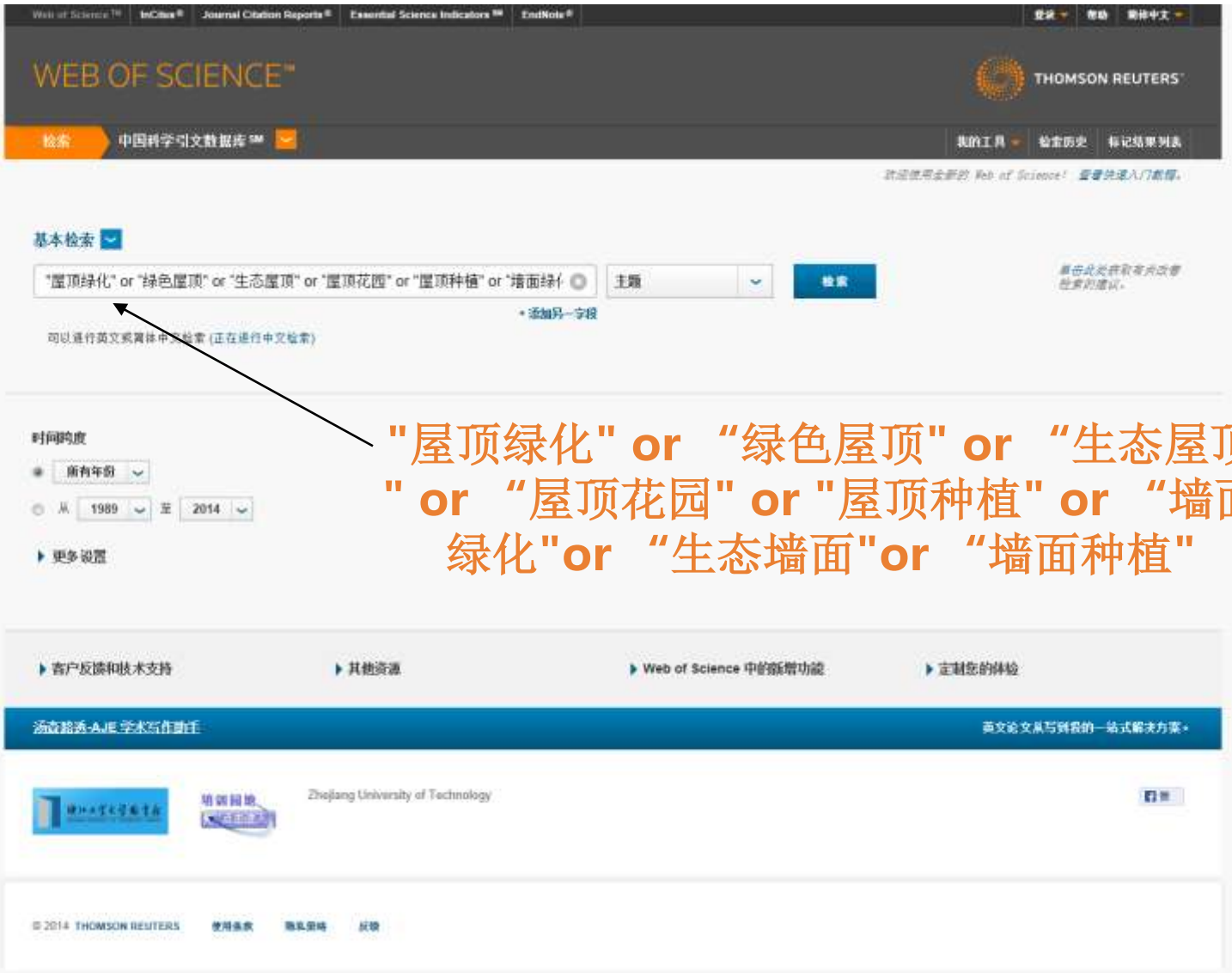
屋顶绿化课题Web of Science平台检索的结果



屋顶绿化课题Web of Science平台检索的结果



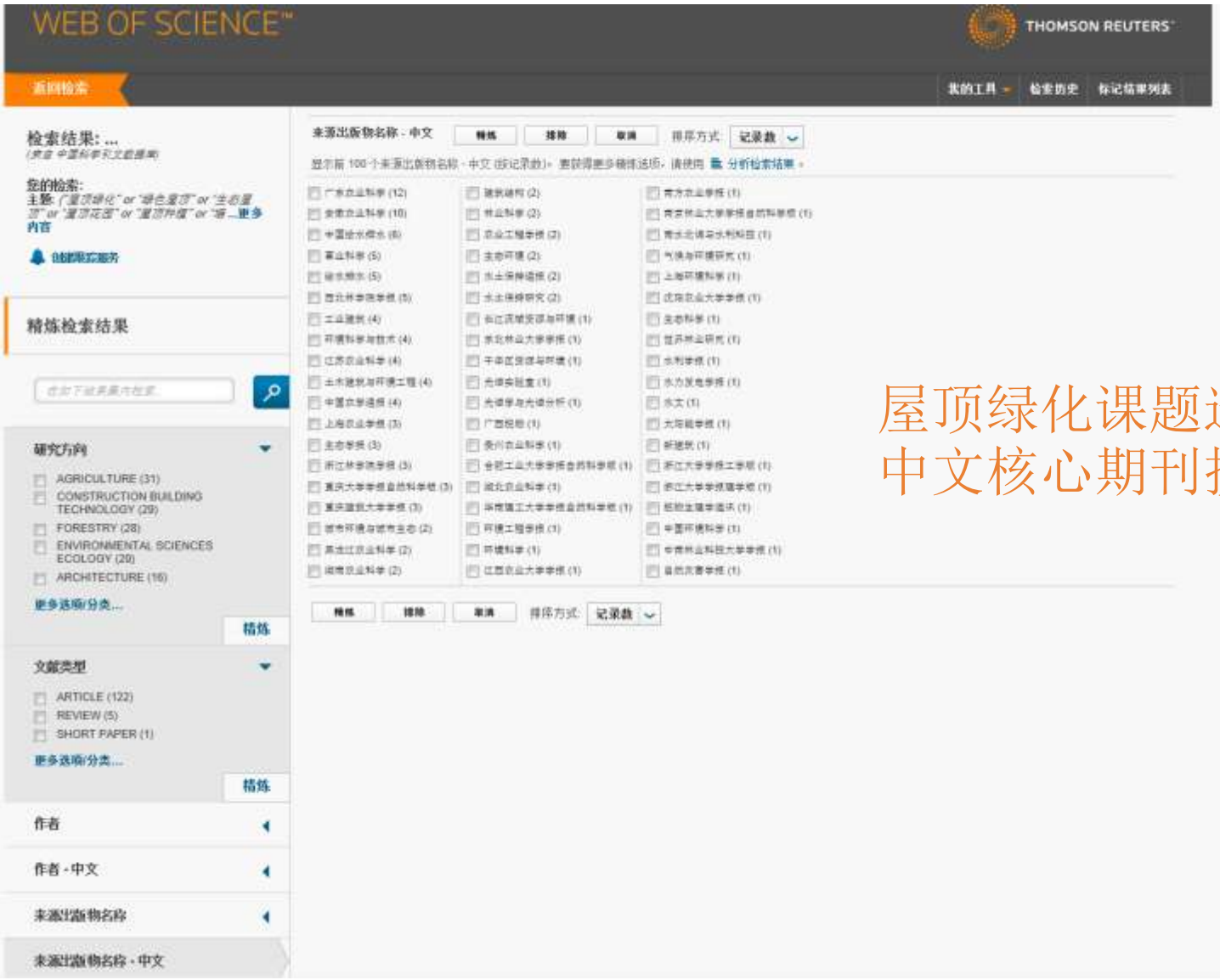
屋顶绿化课题中国科学引文索引检索结果



屋顶绿化课题中国科学引文索引检索结果

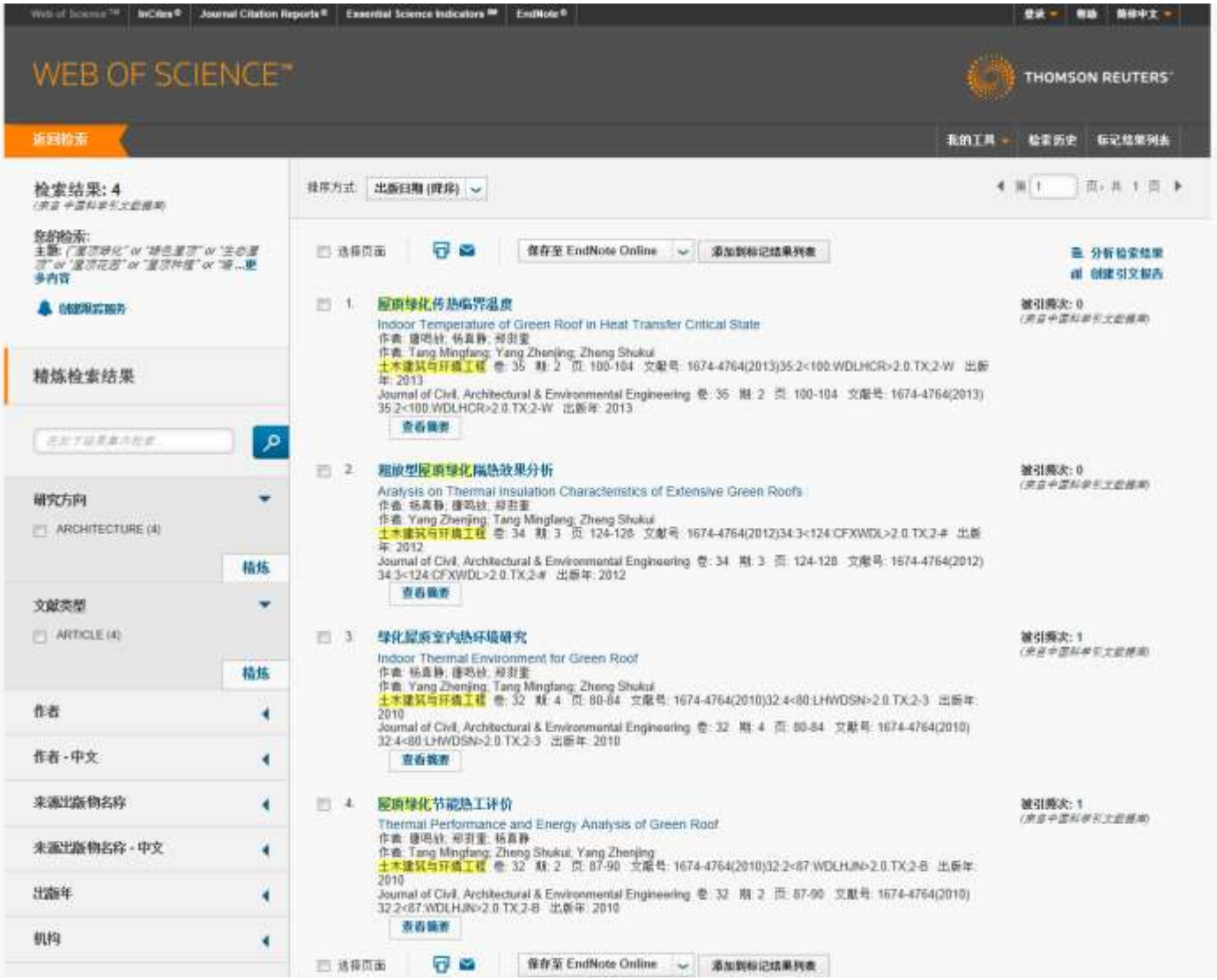
了解中国学者发表中文高水平论文情况

屋顶绿化课题中国科学引文索引检索结果

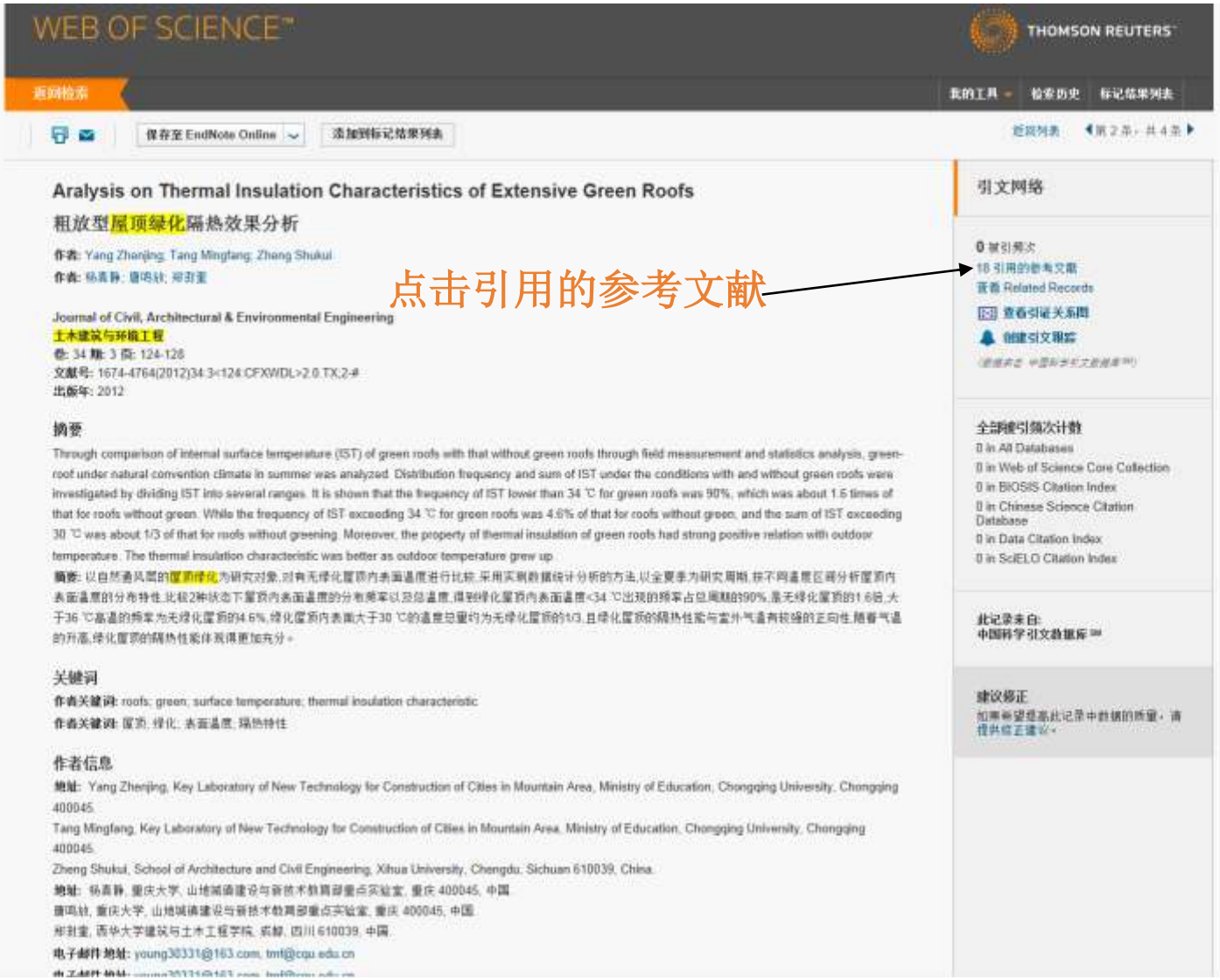


屋顶绿化课题选择
中文核心期刊投稿

了解中国学者发表屋顶绿化高水平论文的参考文献



了解中国学者发表屋顶绿化高水平论文的参考文献



了解中国学者发表屋顶绿化高水平论文的参考文献

该论文的主要文献来自国外学者的论文

了解中国学者发表屋顶绿化高水平论文的参考文献

WEB OF SCIENCE

THOMSON REUTERS

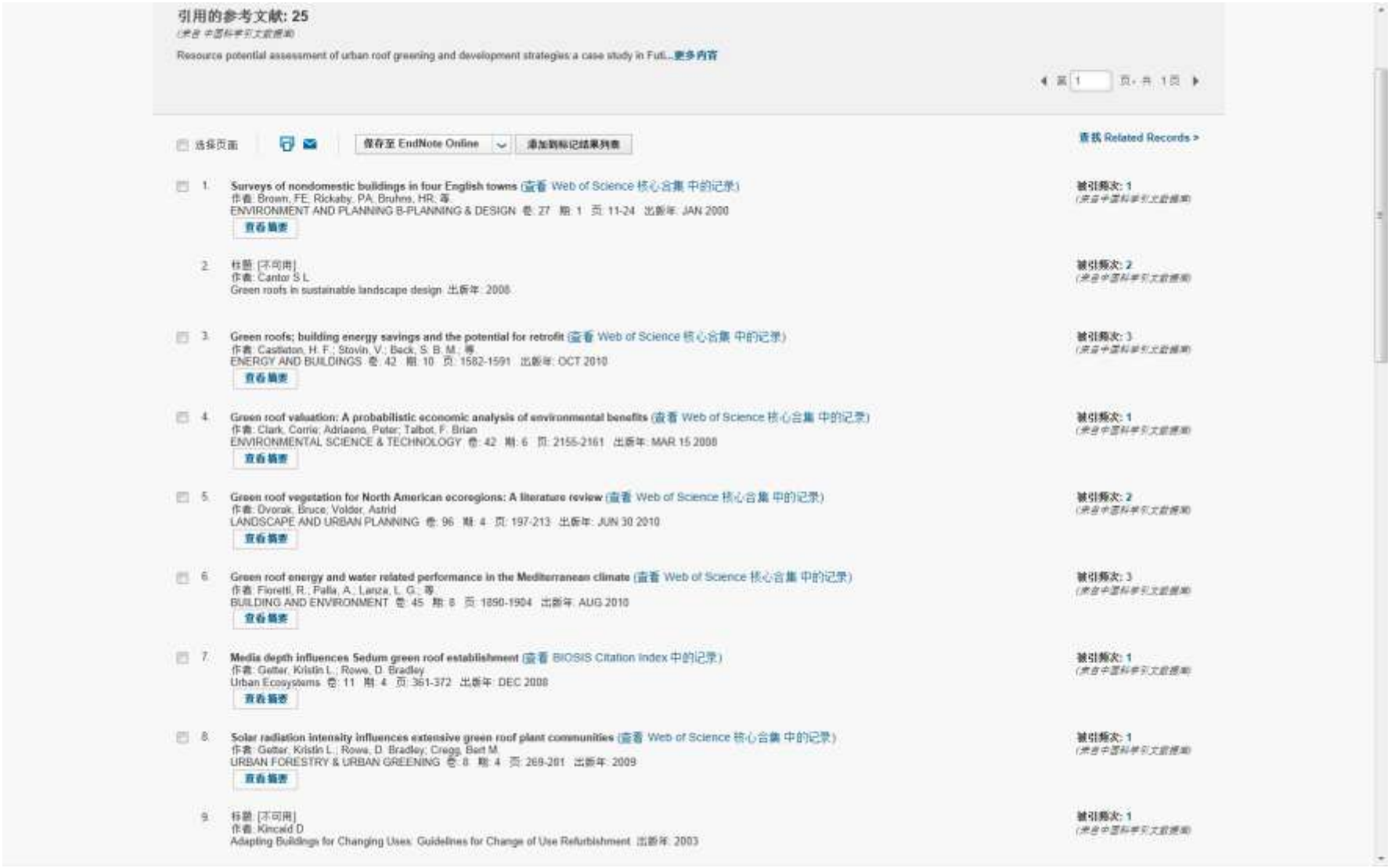
Resource potential assessment of urban roof greening and development strategies:a case study in Futian central district,Shenzhen,China

城市屋顶绿化资源潜力评估及绿化策略分析以深圳市福田中心区为例

Acta Ecologica Sinica

北京大学深圳研究生院城市规划与设计学院

了解中国学者发表屋顶绿化高水平论文的参考文献



引用的参考文献: 25

(来自 中国科学引文数据库)

Resource potential assessment of urban roof greening and development strategies:a case study in Fuli...更多内容

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1. **Surveys of nondomestic buildings in four English towns** (查看 Web of Science 核心合集 中的记录)
作者: Brown, FE; Rickaby, PA; Bruhns, HR; 等
ENVIRONMENT AND PLANNING B-PLANNING & DESIGN 卷: 27 期: 1 页: 11-24 出版年: JAN 2000
查看摘要
被引频次: 1 (来自 中国科学引文数据库)

2. 标题: [不可用]
作者: Cantor S L
Green roofs in sustainable landscape design 出版年: 2008
被引频次: 2 (来自 中国科学引文数据库)

3. **Green roofs; building energy savings and the potential for retrofit** (查看 Web of Science 核心合集 中的记录)
作者: Castleton, H. F.; Stovin, V.; Beck, S. B. M.; 等
ENERGY AND BUILDINGS 卷: 42 期: 10 页: 1582-1591 出版年: OCT 2010
查看摘要
被引频次: 3 (来自 中国科学引文数据库)

4. **Green roof valuation: A probabilistic economic analysis of environmental benefits** (查看 Web of Science 核心合集 中的记录)
作者: Clark, Corrie; Adriaens, Peter; Talbot, F. Brian
ENVIRONMENTAL SCIENCE & TECHNOLOGY 卷: 42 期: 6 页: 2155-2161 出版年: MAR 15 2008
查看摘要
被引频次: 1 (来自 中国科学引文数据库)

5. **Green roof vegetation for North American ecoregions: A literature review** (查看 Web of Science 核心合集 中的记录)
作者: Dvorak, Bruce; Volder, Astrid
LANDSCAPE AND URBAN PLANNING 卷: 96 期: 4 页: 197-213 出版年: JUN 30 2010
查看摘要
被引频次: 2 (来自 中国科学引文数据库)

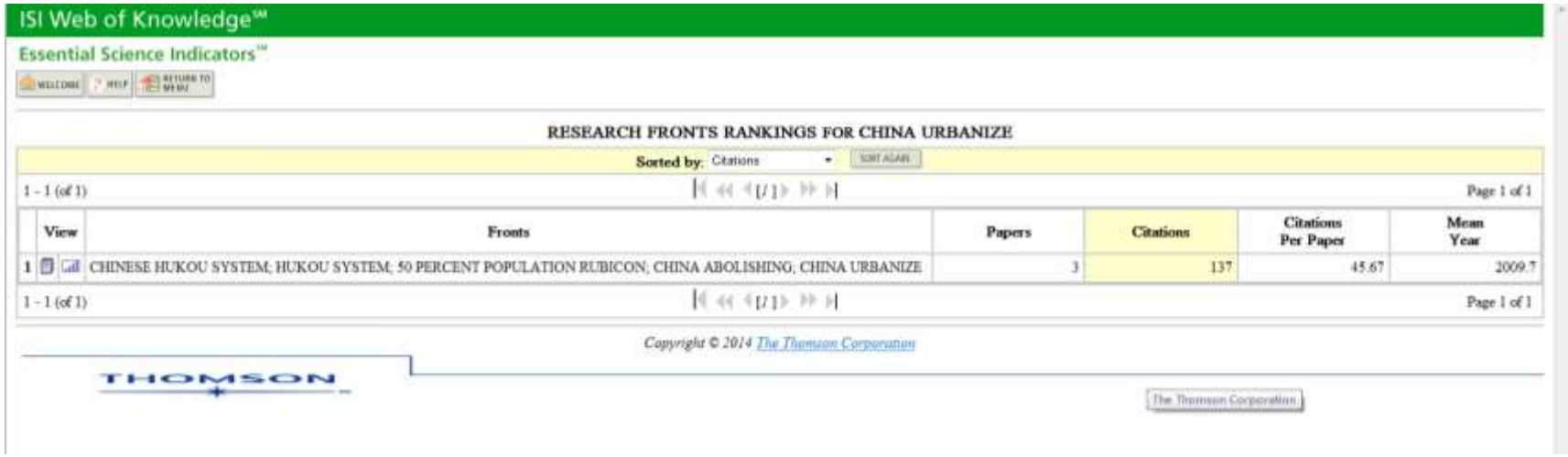
6. **Green roof energy and water related performance in the Mediterranean climate** (查看 Web of Science 核心合集 中的记录)
作者: Fioretti, R.; Palla, A.; Lanza, L. G.; 等
BUILDING AND ENVIRONMENT 卷: 45 期: 8 页: 1890-1904 出版年: AUG 2010
查看摘要
被引频次: 3 (来自 中国科学引文数据库)

7. **Media depth influences Sedum green roof establishment** (查看 BIOSIS Citation Index 中的记录)
作者: Getter, Kristin L.; Rowe, D. Bradley
Urban Ecosystems 卷: 11 期: 4 页: 361-372 出版年: DEC 2008
查看摘要
被引频次: 1 (来自 中国科学引文数据库)

8. **Solar radiation intensity influences extensive green roof plant communities** (查看 Web of Science 核心合集 中的记录)
作者: Getter, Kristin L.; Rowe, D. Bradley; Cregg, Bert M.
URBAN FORESTRY & URBAN GREENING 卷: 8 期: 4 页: 269-281 出版年: 2009
查看摘要
被引频次: 1 (来自 中国科学引文数据库)

9. 标题: [不可用]
作者: Kincaid D
Adapting Buildings for Changing Uses: Guidelines for Change of Use Refurbishment 出版年: 2003
被引频次: 1 (来自 中国科学引文数据库)

中国城市化（China Urbanize）——研究前沿



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RESEARCH FRONTS RANKINGS FOR CHINA URBANIZE

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		CHINESE HUKOU SYSTEM; HUKOU SYSTEM; 50 PERCENT POPULATION RUBICON; CHINA ABOLISHING; CHINA URBANIZE	3	137	45.67	2009.7

1 - 1 (of 1) Page 1 of 1

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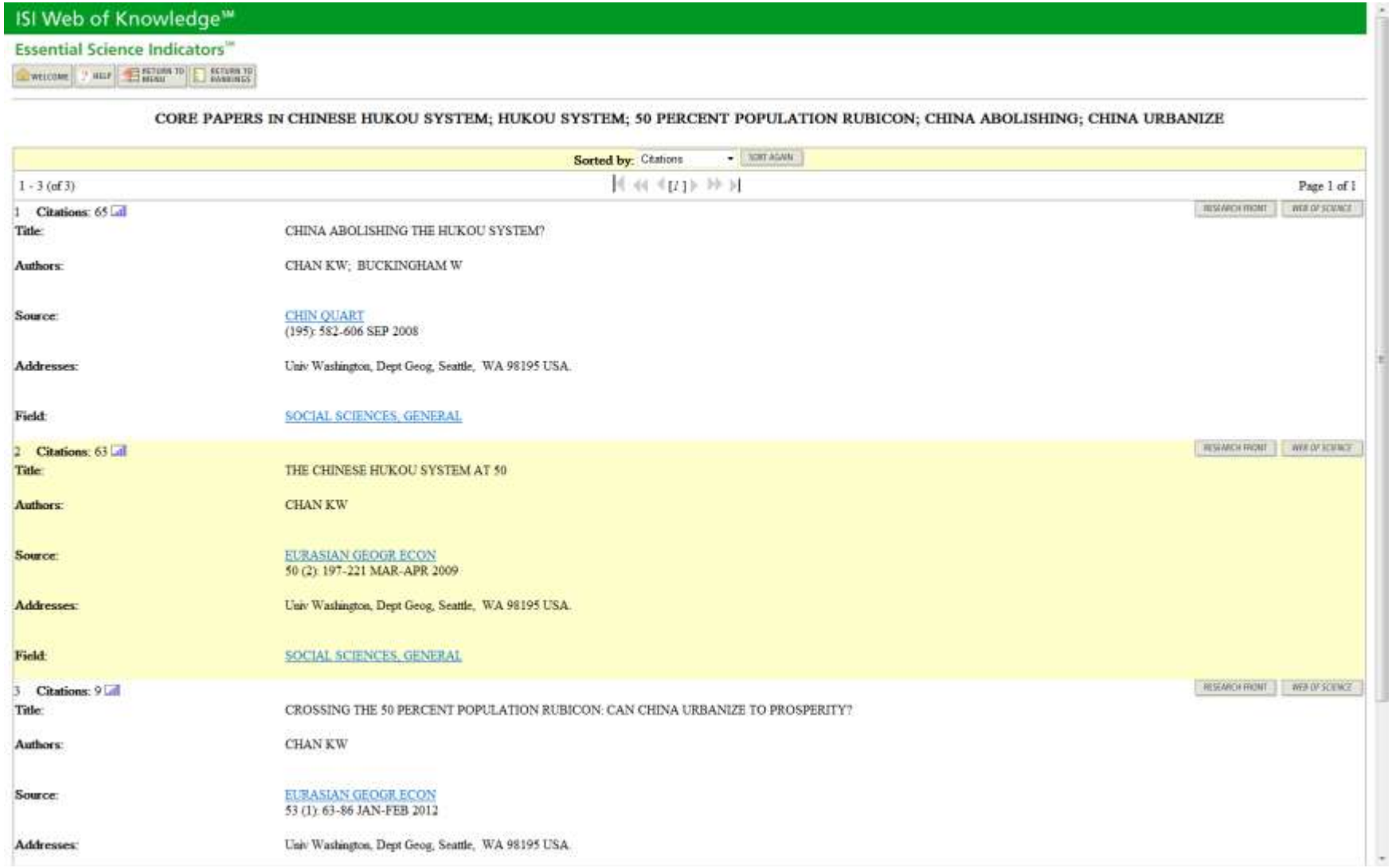
中国的户籍制度，户籍制度，中国废除;中国城市化

中国城市化（China Urbanize）——研究前沿



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CORE PAPERS IN CHINESE HUKOU SYSTEM; HUKOU SYSTEM; 50 PERCENT POPULATION RUBICON; CHINA ABOLISHING; CHINA URBANIZE

Sorted by: Citations — SORT AGAIN

1 - 3 (of 3) — Page 1 of 1

1 **Citations:** 65 — RESEARCH FRONT | WEB OF SCIENCE

Title: CHINA ABOLISHING THE HUKOU SYSTEM?

Authors: CHAN KW; BUCKINGHAM W

Source: CHIN QUART
(195): 582-606 SEP 2008

Addresses: Univ Washington, Dept Geog, Seattle, WA 98195 USA.

Field: SOCIAL SCIENCES, GENERAL

2 **Citations:** 63 — RESEARCH FRONT | WEB OF SCIENCE

Title: THE CHINESE HUKOU SYSTEM AT 50

Authors: CHAN KW

Source: EURASIAN GEOGR ECON
50 (2): 197-221 MAR-APR 2009

Addresses: Univ Washington, Dept Geog, Seattle, WA 98195 USA.

Field: SOCIAL SCIENCES, GENERAL

3 **Citations:** 9 — RESEARCH FRONT | WEB OF SCIENCE

Title: CROSSING THE 50 PERCENT POPULATION RUBICON: CAN CHINA URBANIZE TO PROSPERITY?

Authors: CHAN KW

Source: EURASIAN GEOGR ECON
53 (1): 63-86 JAN-FEB 2012

Addresses: Univ Washington, Dept Geog, Seattle, WA 98195 USA.

中国城市化（China Urbanize）——研究前沿

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2013年1月

RESEARCH FRONT

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		CHINESE HUKOU SYSTEM; 50 PERCENT POPULATION RUBICON; CHINA ABOLISHING; CHINA URBANIZE; CHINA'S RAPID URBANIZATION	4	118	29.50	2009.7

1 - 1 (of 1) [1] Page 1 of 1

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中国户籍制度，中国废除，中国城市化，中国快速城市化

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中国城市化（China Urbanize）——研究前沿

CORE PAPERS IN CHINESE HUKOU SYSTEM; 50 PERCENT POPULATION RUBICON; CHINA ABOLISHING; CHINA URBANIZE; CHINA'S RAPID URBANIZATION

Sorted by: Citations SORT AGAIN

1 - 4 (of 4) [1] Page 1 of 1

1 **Citations:** 49 RESEARCH FRONT WEB OF SCIENCE

Title: THE CHINESE HUKOU SYSTEM AT 50

Authors: CHAN KW

Source: EURASIAN GEOGR ECON
50 (2): 197-221 MAR-APR 2009

Addresses: Univ Washington, Dept Geog, Seattle, WA 98195 USA.

Field: SOCIAL SCIENCES, GENERAL

2 **Citations:** 45 RESEARCH FRONT WEB OF SCIENCE

Title: CHINA ABOLISHING THE HUKOU SYSTEM?

Authors: CHAN KW; BUCKINGHAM W

Source: CHIN QUART
(195): 582-606 SEP 2008

Addresses: Univ Washington, Dept Geog, Seattle, WA 98195 USA.

Field: SOCIAL SCIENCES, GENERAL

中国快速城市化

3 **Citations:** 19 RESEARCH FRONT WEB OF SCIENCE

Title: URBAN VILLAGES UNDER CHINA'S RAPID URBANIZATION: UNREGULATED ASSETS AND TRANSITIONAL NEIGHBOURHOODS

Internet | 保护模式: 启用 100%

追踪学科前沿——研究前沿

- 研究前沿采用独特的视角来审视学科领域：用以了解新的突破可能出现的领域以及科学家之间的非正式交流的关系
- 学科分类精确到学科或者期刊，而不是具体到单篇文章
- **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。测度的方式是一对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。

材料科学研究前沿

ESI中基于研究前沿数据的全局科学关系图

材料科学以纳米科学前沿为中心，纳米科学是沟通物理与化学之间的桥梁，月生物学的联系较弱

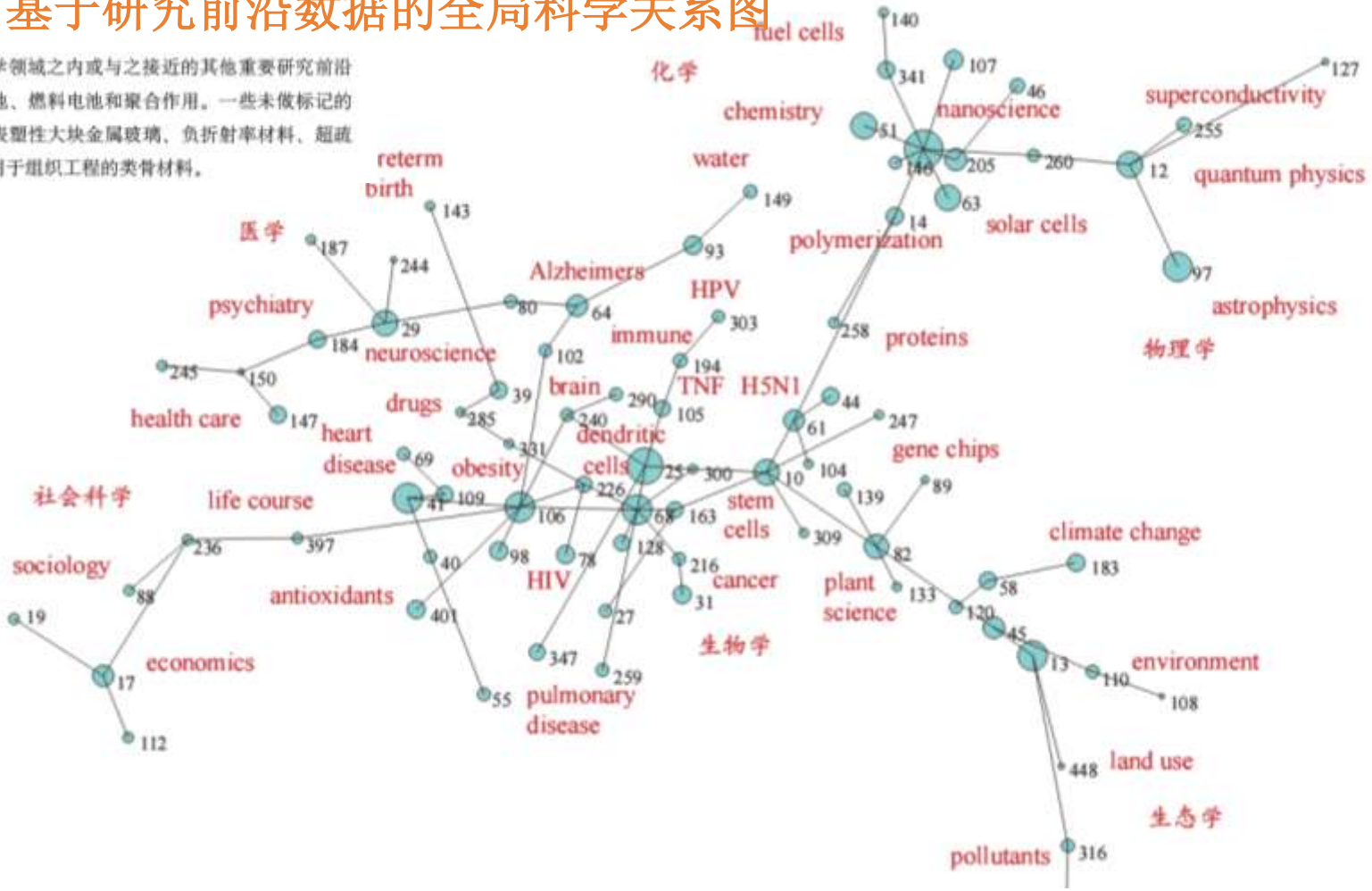
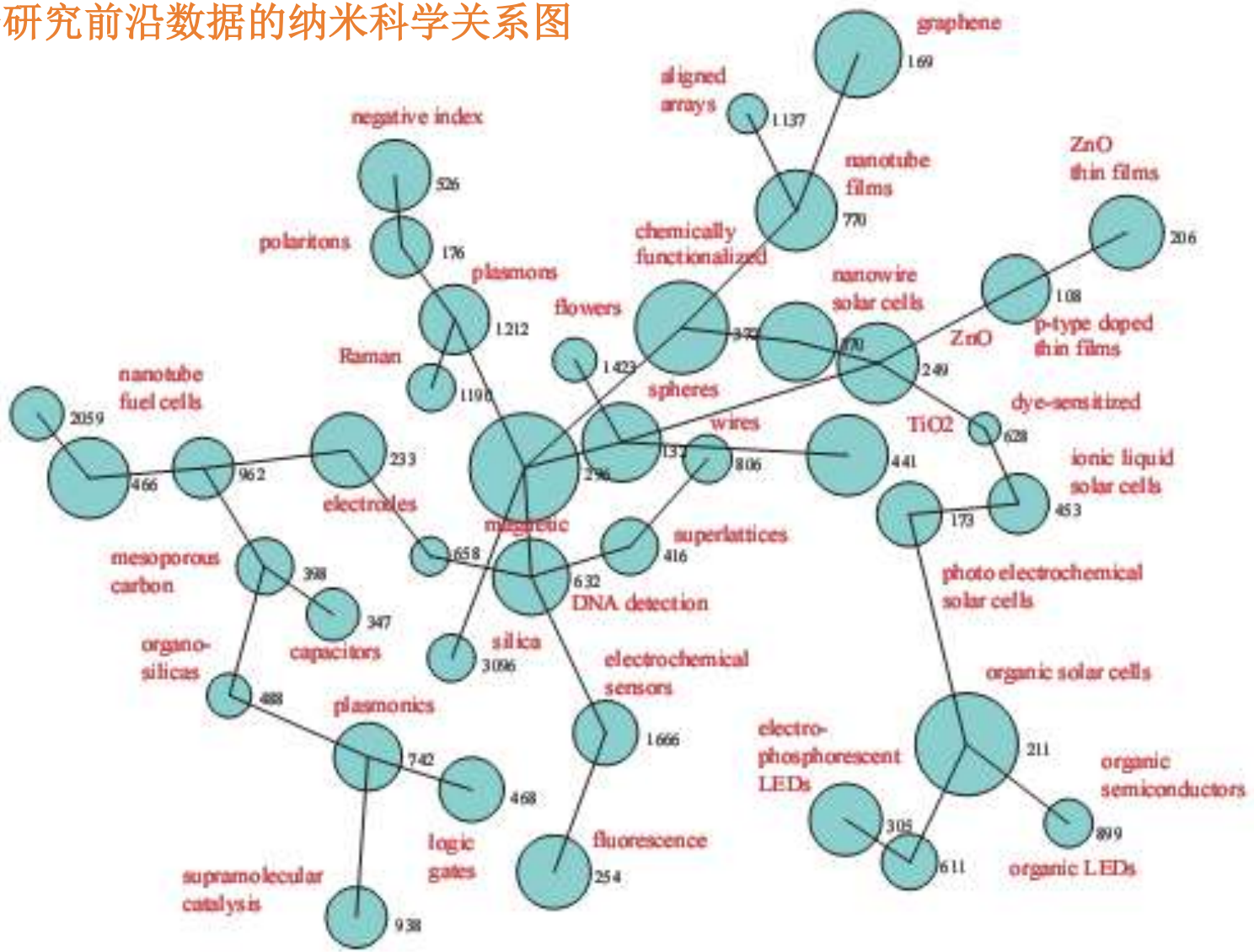


图3 *Essential Science Indicators* 中基于研究前沿数据的全局科学关系图。研究前沿是相关高被引论文(在其发表年份和领域按被引次数位于前1% 的论文)的聚类。该图揭示了领域及专业主题及其基于引用联系的关系[4]。每个圆圈代表一个研究前沿或关于相关领域的广泛研究主题的多个研究前沿的聚类。每个圆圈的大小与其代表的专业领域内的论文数量呈比例，圆圈之间的连线表示一个领域与另一个领域之间关联的密切程度。标签反映了广泛研究领域和子领域。

材料科学研究前沿

图4详细展示了纳米科学领域及其构成以及密切相关的研究前沿[3]。图中有一个分支显示了太阳能电池研究领域的活动：不仅有染料敏化太阳能电池，还有有机太阳能电池——这是一种日益受到关注的替代方案。碳纳米管膜和石墨烯存在逻辑上的联系。纳米材料也出现在其他领域，包括燃料电池领域和太阳能电池领域。其他非常活跃的研究专题是介孔碳、分子逻辑门、电化学传感器、超材料。位于关系图中央的一大块内容与各种材料的磁性质有关。

ESI中基于研究前沿数据的纳米科学关系图



2014年研究前沿
——自然科学和社会科学的前100个探索领域

1. 热点前沿

1.1 经济学、心理学以及其他社会科学领域 Top 10 研究前沿发展态势

表 35 经济学、心理学以及其他社会科学领域 Top 10 研究前沿

排名	研究前沿	核心论文	被引频次	核心论文平均出版年
1	创新创业关键问题研究	49	1250	2011.4
2	实验心理学的统计验证和重复验证	20	1007	2011.3
3	南部非洲石器时代的人类居住和行为	25	1032	2011
4	家族企业管理与绩效研究	26	1001	2010.8
5	移动健康技术研究	20	1396	2010.7
6	基于人格特征分析的精神紊乱疾病诊断与统计研究(DSM -5)	12	881	2010.7
7	环境服务及其支付问题与生态景观可持续性研究	29	1705	2010.6
8	早期智人的起源和演变	29	1149	2010.6
9	互联网社交的舆论和意见领袖形成机制及其商业应用	20	968	2010.5
10	多区域投入产出分析工具等结构分解分析方法在温室气体排放研究中的应用	44	2258	2010.3

2013年研究前沿
——自然科学和社会科学的前100个探索领域

经济学，心理学以及其他社会科学

排名	研究前沿	核心文献	引用次数	核心文献平均出版年
1	城市政策变化和全球治理问题	42	898	2010.4
2	家族企业的创业精神和绩效	30	1,051	2009.9
3	工作记忆的训练与可塑性	21	1,177	2009.8
4	以权责发生制为基础的收入管理和会计违规	17	1,148	2009.8
5	以病人为中心的医疗，基本保健，和责任界定	32	1,240	2009.7
6	社会学习策略和决策	39	3,642	2009.6
7	二氧化碳排放的投入产出分析	49	1,630	2009.6
8	对再认启发的研究	28	1,280	2009.6
9	消费者在线评论，社交网络，和在线显示的广告	37	1,609	2009.5
10	金融危机，流动性，和公司治理	37	1,595	2009.4

来源：汤森路透 Essential Science Indicators

2014年研究前沿
——自然科学和社会科学的前100个探索领域

1. 热点前沿

1.1 化学与材料科学领域 Top 10 研究前沿发展态势

表 21 化学与材料科学领域 Top 10 研究前沿

排名	研究前沿	核心论文	被引频次	核心论文平均出版年
1	钠离子电池电极材料研究	45	1607	2012.2
2	功能性金属有机骨架化合物	8	2976	2012
3	柱 [5/6] 芳烃的合成与主客体化学	41	2058	2011.7
4	铑催化的碳氢键活化反应	36	1802	2011.7
5	基于石墨烯的光催化剂	19	1537	2011.7
6	石墨烯量子点的合成与应用	31	2340	2011.5
7	碳酸酐酶抑制剂的研究	27	2252	2011.1
8	石墨烯及其氧化物在生物医学领域的应用	44	5259	2011
9	基于聚合物的场效应晶体管和光伏器件	35	3255	2011
10	高对映选择性合成螺环化合物	22	1884	2011

2013年研究前沿
——自然科学和社会科学的前100个探索领域

化学与材料科学

排名	研究前沿	核心文献	引用次数	核心文献平均出版年
1	优化的可见光光催化制氢	43	1,620	2011.2
2	钌或铱催化的氧化的 C-H 键激活	46	1,900	2011.0
3	聚集诱导发光的特征和化合物	47	1,989	2010.9
4	有机合成中的光致氧化还原催化	32	1,945	2010.5
5	手性膦小分子催化不对称反应	35	1,927	2010.5
6	纳米孔 DNA 测序	33	1,914	2010.5
7	小分子溶液加工的体异质结型太阳能电池	31	1,841	2010.5
8	氮掺杂石墨烯	26	2,364	2010.4
9	卷辊加工的聚合物太阳能电池	35	3,969	2010.3
10	硅纳米线组成锂离子电池阳极材料	50	2,896	2010.3

来源：汤森路透 Essential Science Indicators

2014年研究前沿
——自然科学和社会科学的前100个探索领域

1. 热点前沿

1.1 数学、计算机科学与工程领域 Top 10 研究前沿发展态势

表 31 数学、计算机科学与工程领域 Top 10 研究前沿

排名	研究前沿	核心论文	被引频次	核心论文平均出版年
1	基于粒子群算法的搜索优化	41	961	2011.5
2	生物柴油燃料发动机使用性能与排放物监测	23	919	2011.5
3	弹性应变梯度理论	37	1174	2011.4
4	模糊李亚普诺夫方法	36	1116	2011.2
5	G- 度量空间中的偶合不动点定理	30	985	2011.1
6	微分方程的应用	34	869	2011.1
7	电力电子及驱动的预测控制	35	1167	2011
8	钒氧化还原液流电池	22	1218	2010.9
9	锂离子电池用高容量电极	16	1004	2010.7
10	通过耗散理论研究实现换热器优化设计	26	942	2010.7

2013年研究前沿
——自然科学和社会科学的前100个探索领域

数学，计算机科学与工程

排名	研究前沿	核心文献	引用次数	核心文献平均出版年
1	高能可充电锂-空气电池	49	2,006	2010.8
2	非线性分数阶微分方程的边界值问题	47	1,172	2010.2
3	生物柴油燃料燃烧的化学动力学反应机制	49	1,555	2010.0
4	非局部铁摩辛柯梁理论和碳纳米管	39	1,480	2009.8
5	受约束的全变分图像去噪与恢复	49	2,741	2009.7
6	石墨烯晶体管	16	2,270	2009.7
7	分析新一代DNA测序数据	6	2,025	2009.6
8	纳米流体传热	40	1,928	2009.6
9	二氧化碳捕获中的钙循环过程	36	1,562	2009.6
10	差分进化算法和Memetic计算	30	1,351	2009.6

来源：汤森路透 Essential Science Indicators

ESI研究前沿的数据揭示从事相关的科研探索的研究人员间的联系，即使从这些研究人员的背景，可能看不出他们属于同一个“无形学院”。

研究前沿的分析提供了一个独特的视角来揭示科学研究的脉络。

研究前沿的分析不依赖于对文献的人工标引和分类，而是基于研究人员在相互引用中形成的知识之间和人之间的联络。

研究前沿的数据连续记录了分散的研究领域的发生、汇聚、发展、萎缩、消散和形成分支而后组织成为更新的研究活动节点。

感谢 大家的辛勤工作

希望 各位在高水平期刊上发表论文

祝愿 大家工作、生活愉快

问题？
谢谢！