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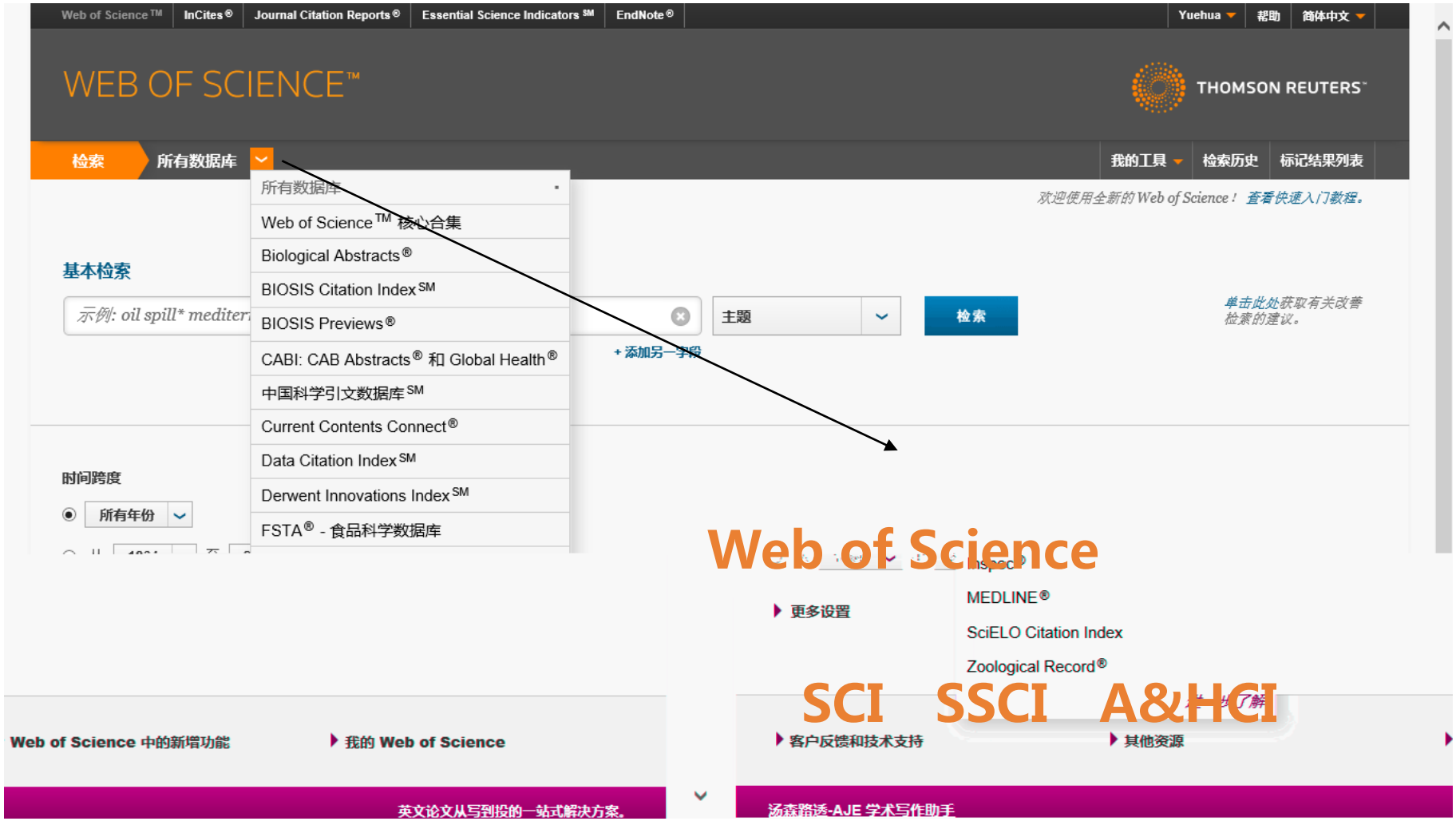

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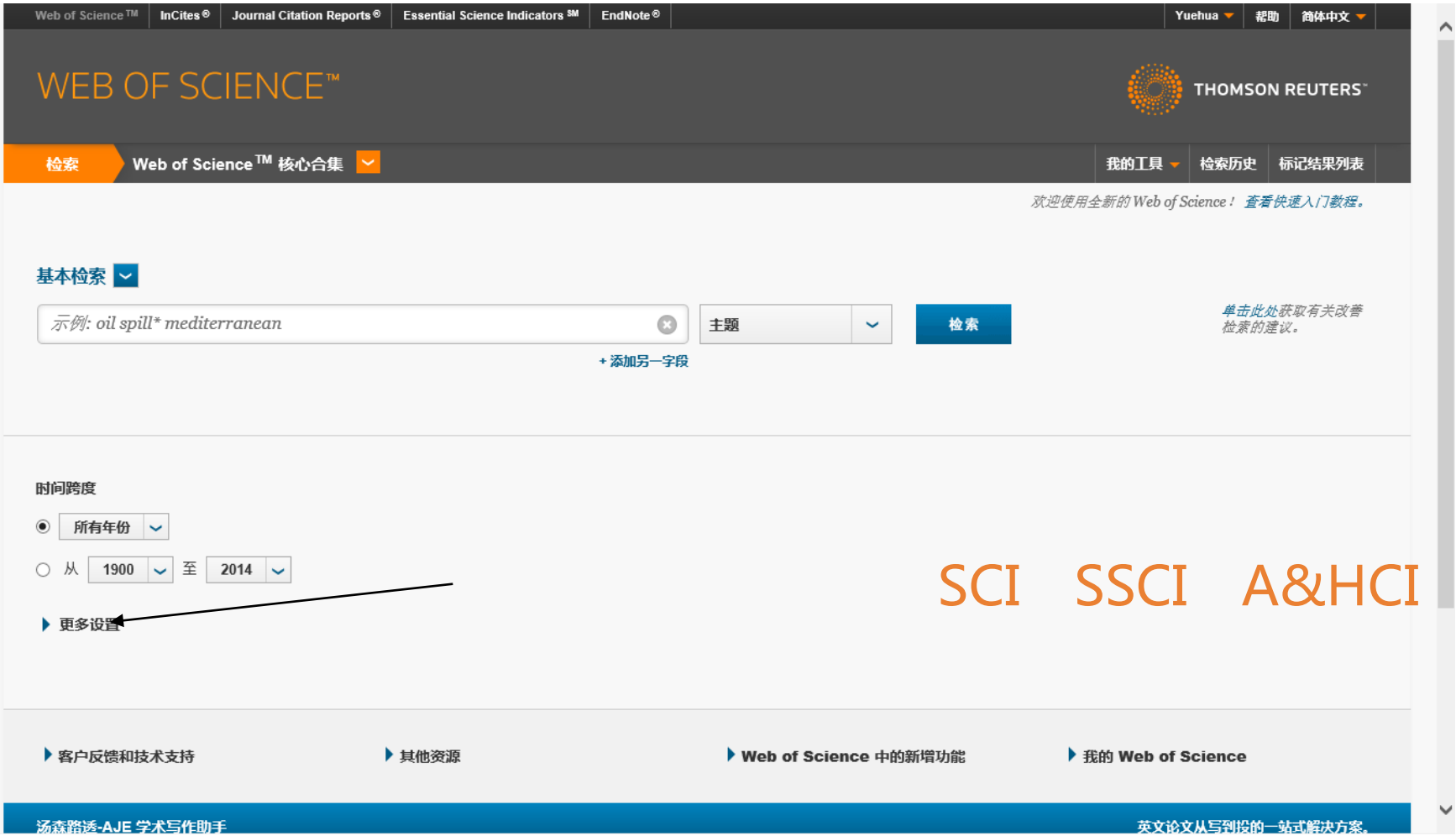

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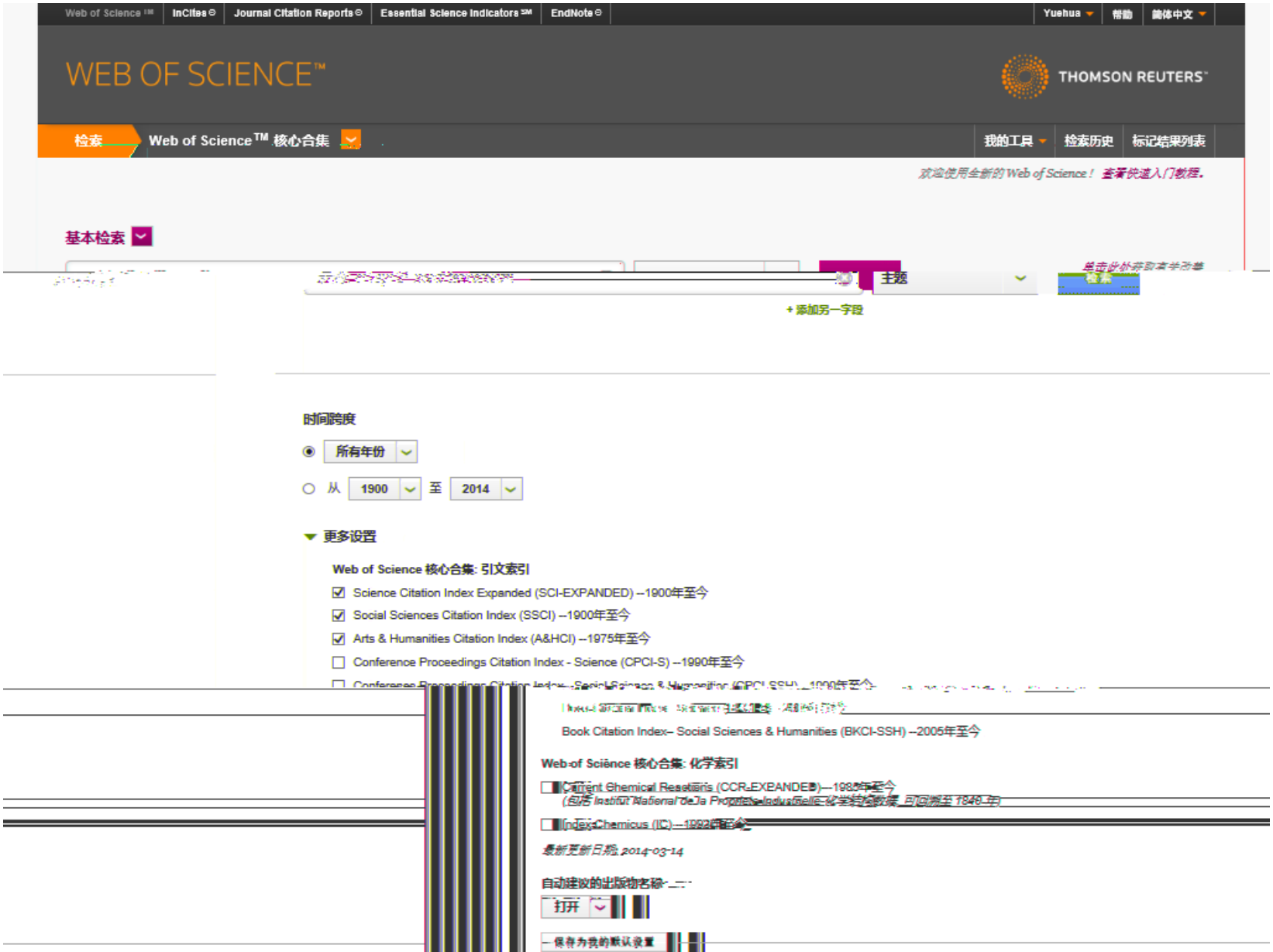

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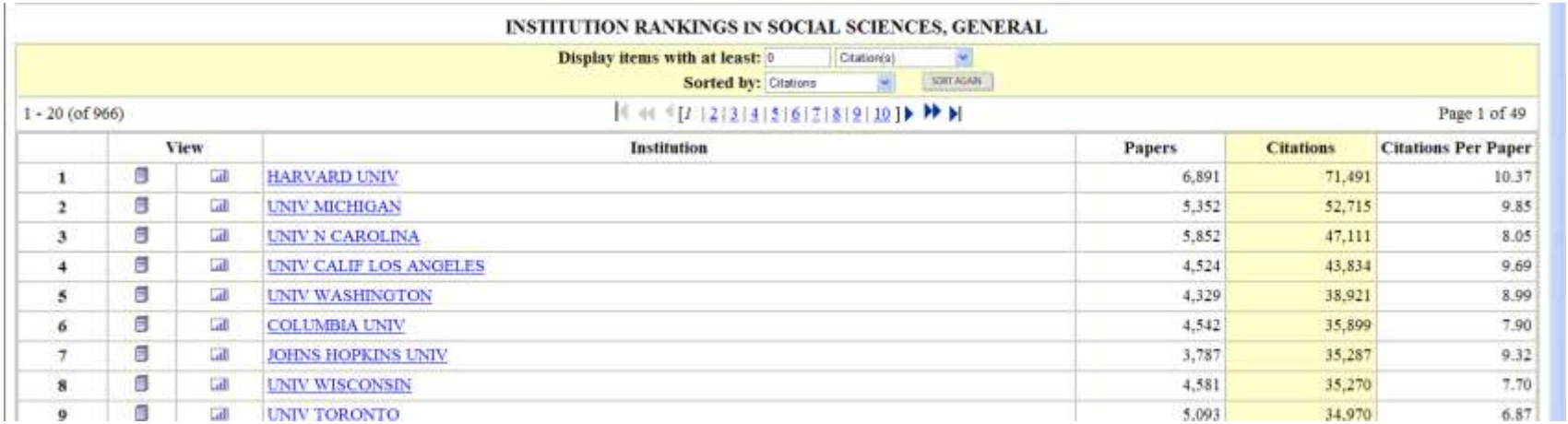

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3			UNIV N CAROLINA	5,852	47,111	8.05
4			UNIV CALIF LOS ANGELES	4,524	43,834	9.69
5			UNIV WASHINGTON	4,329	38,921	8.99
6			COLUMBIA UNIV	4,542	35,899	7.90
7			JOHNS HOPKINS UNIV	3,787	35,287	9.32
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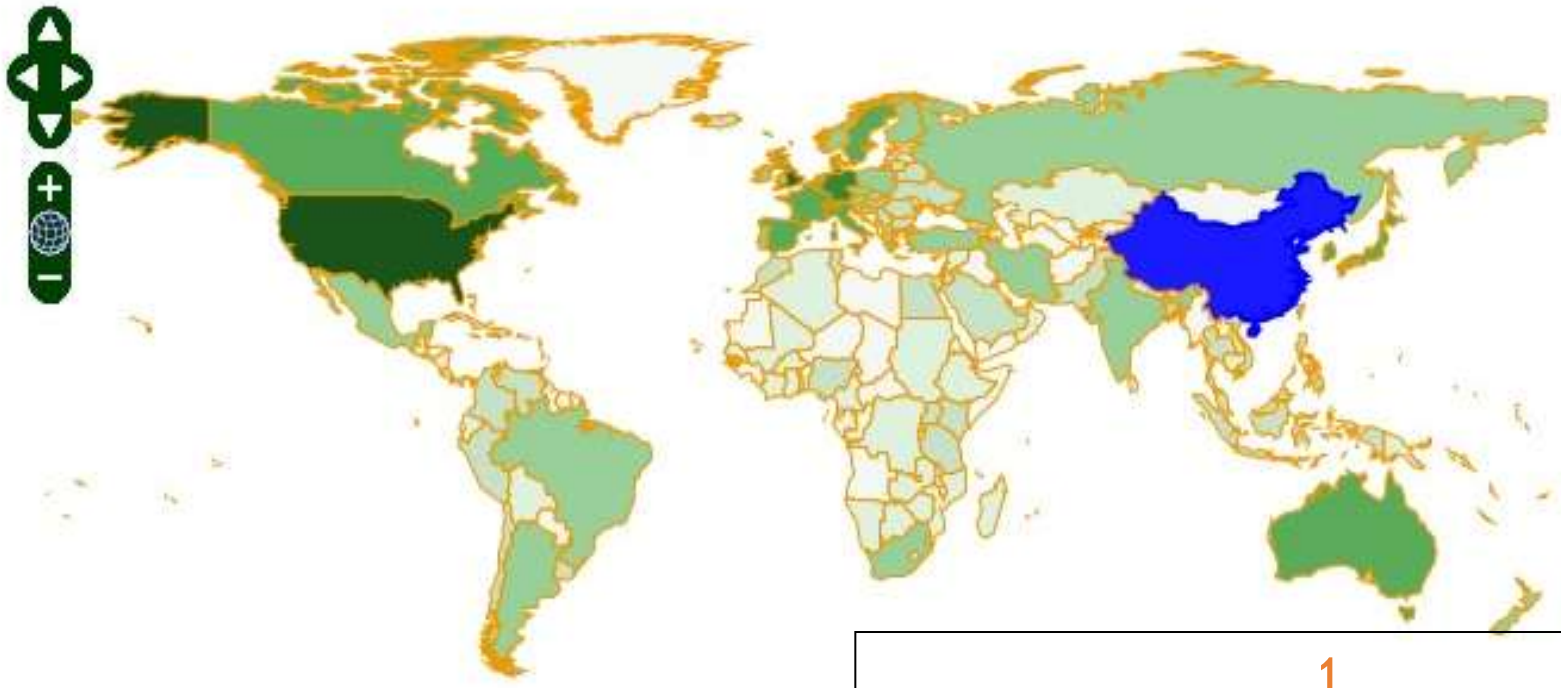

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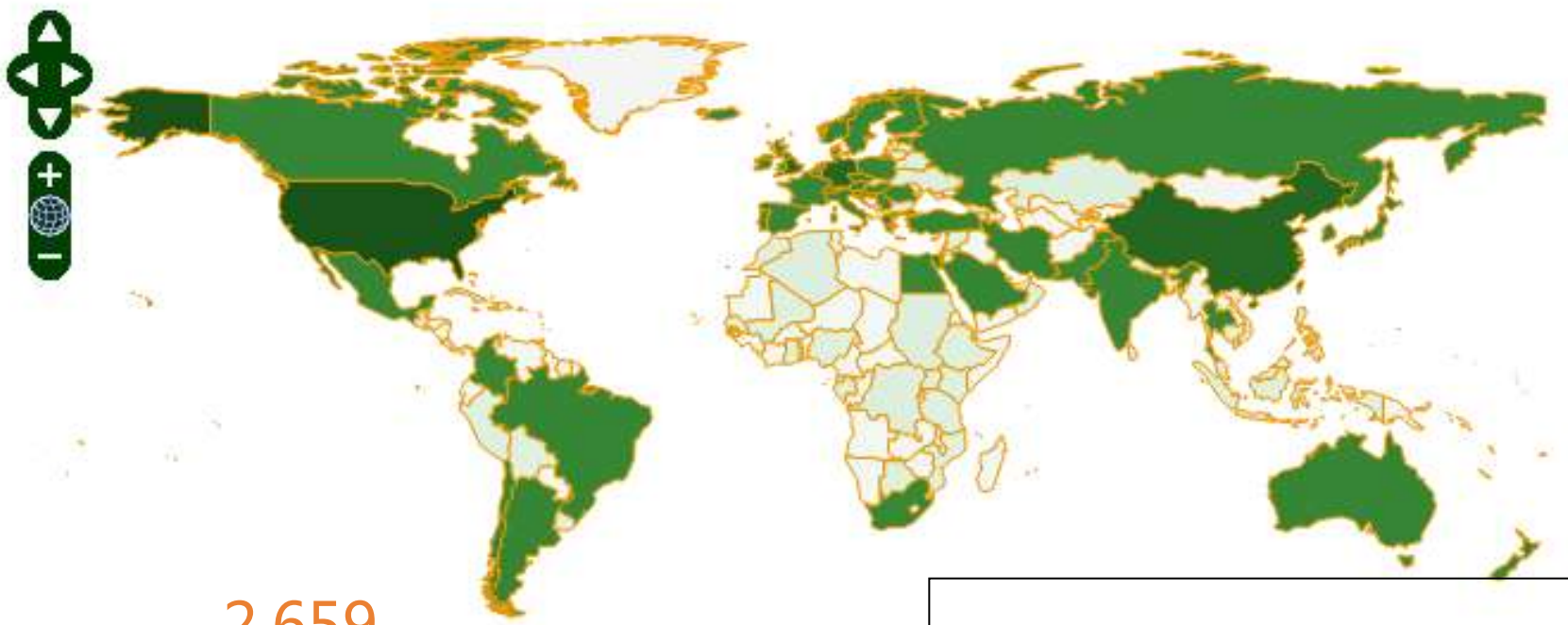

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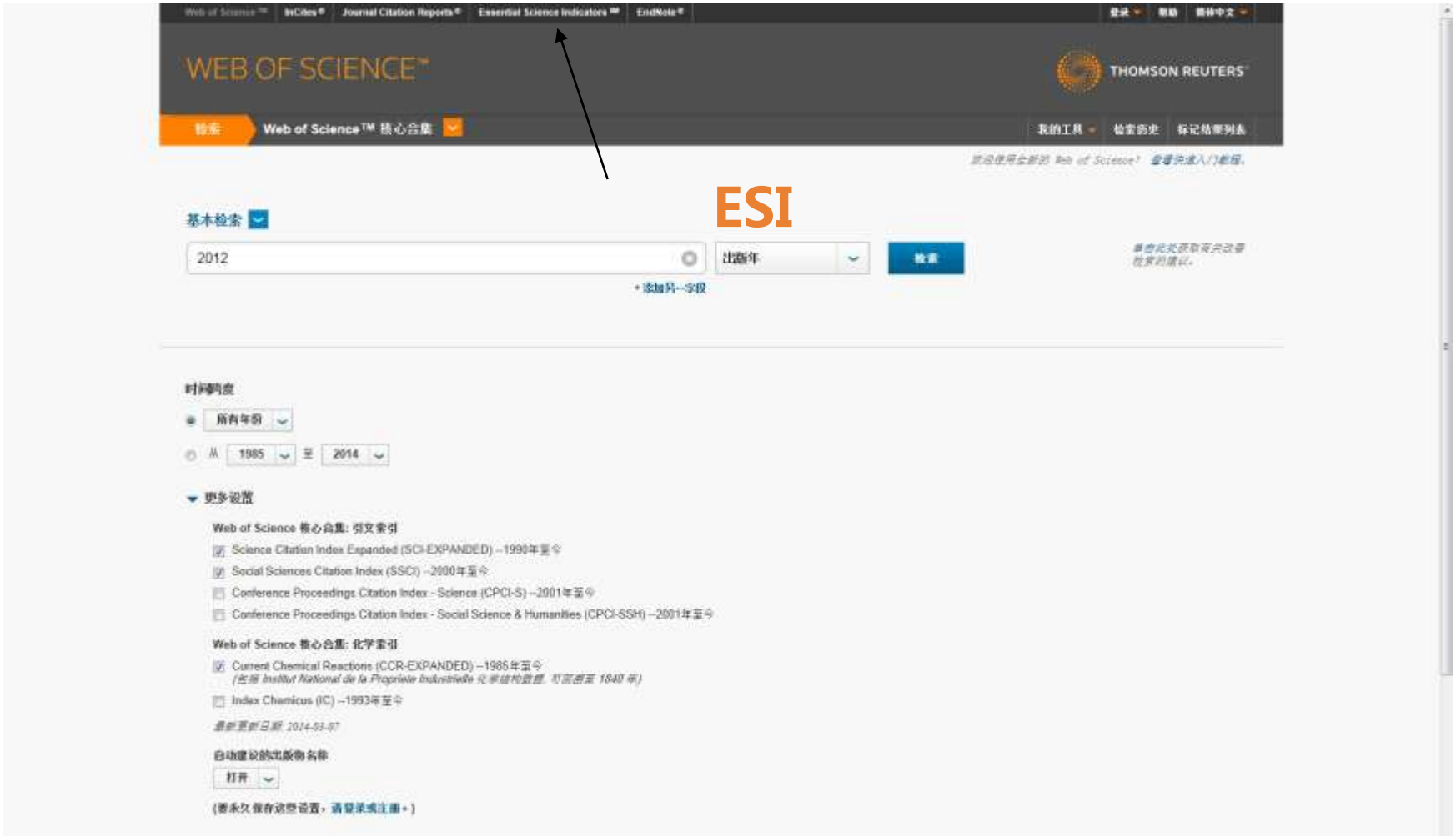

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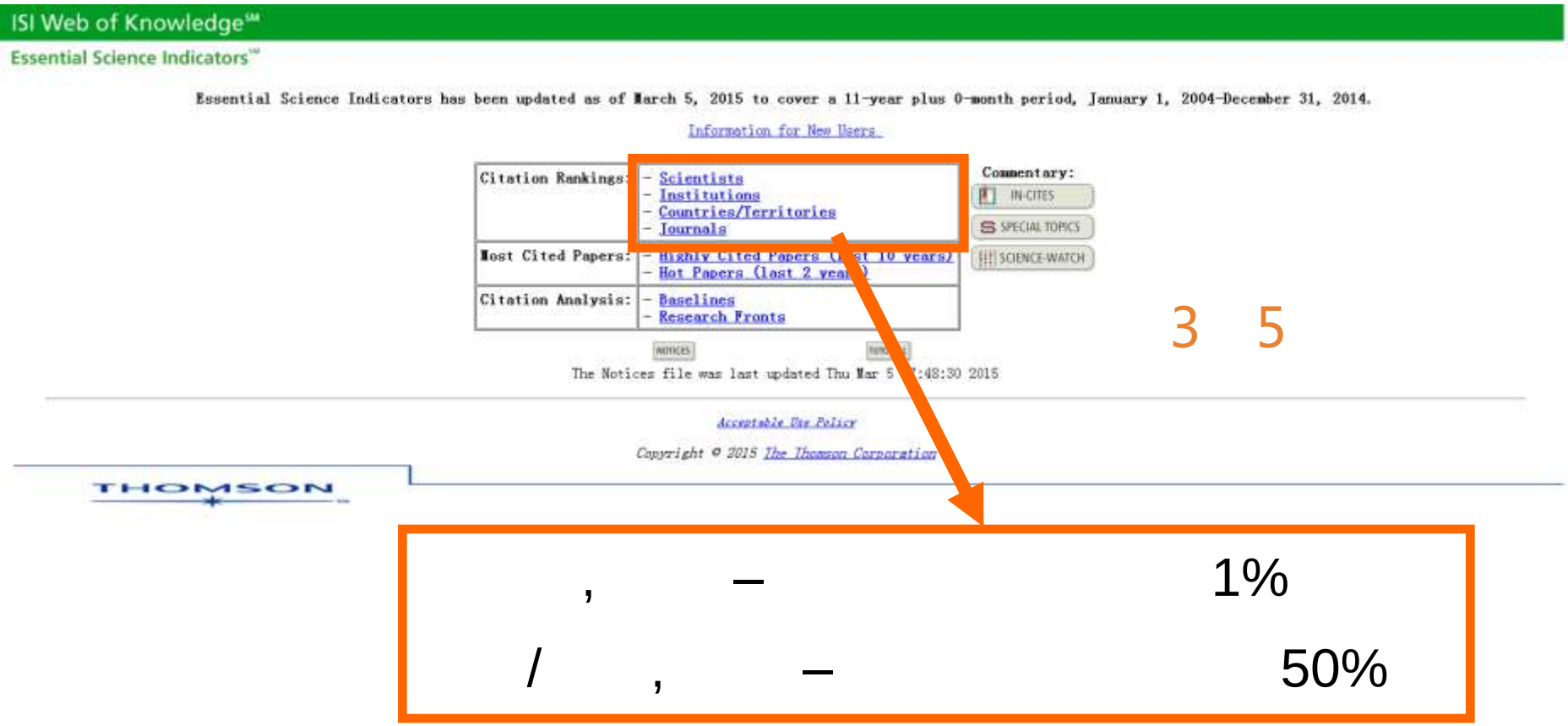

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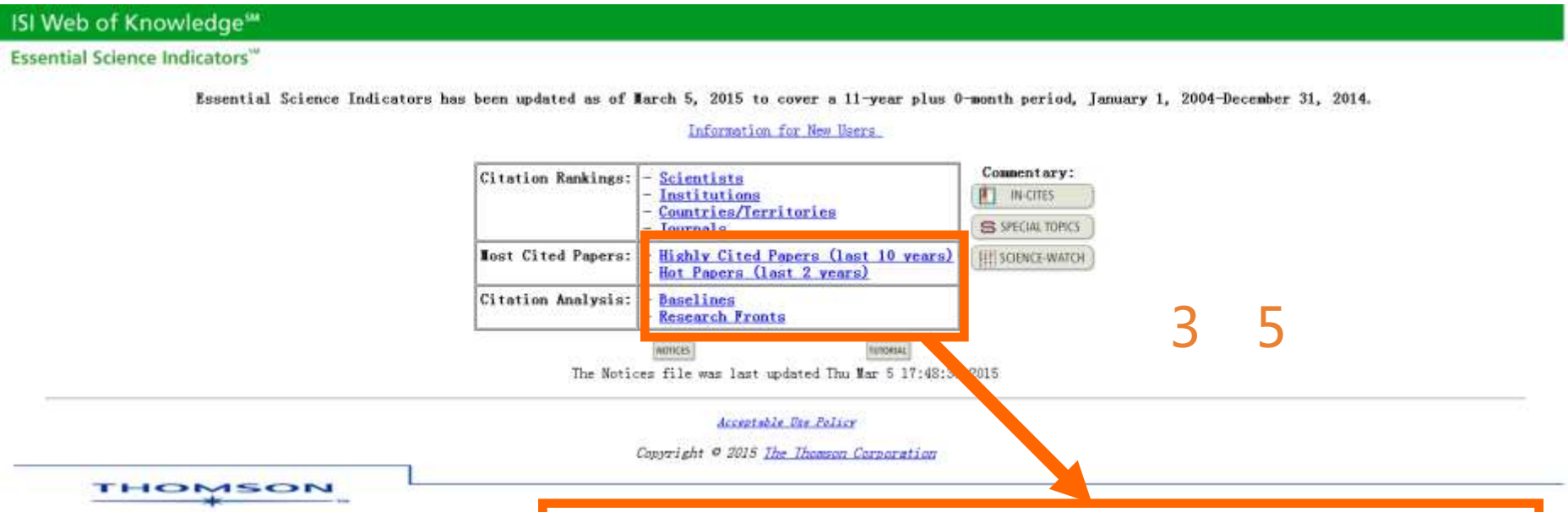

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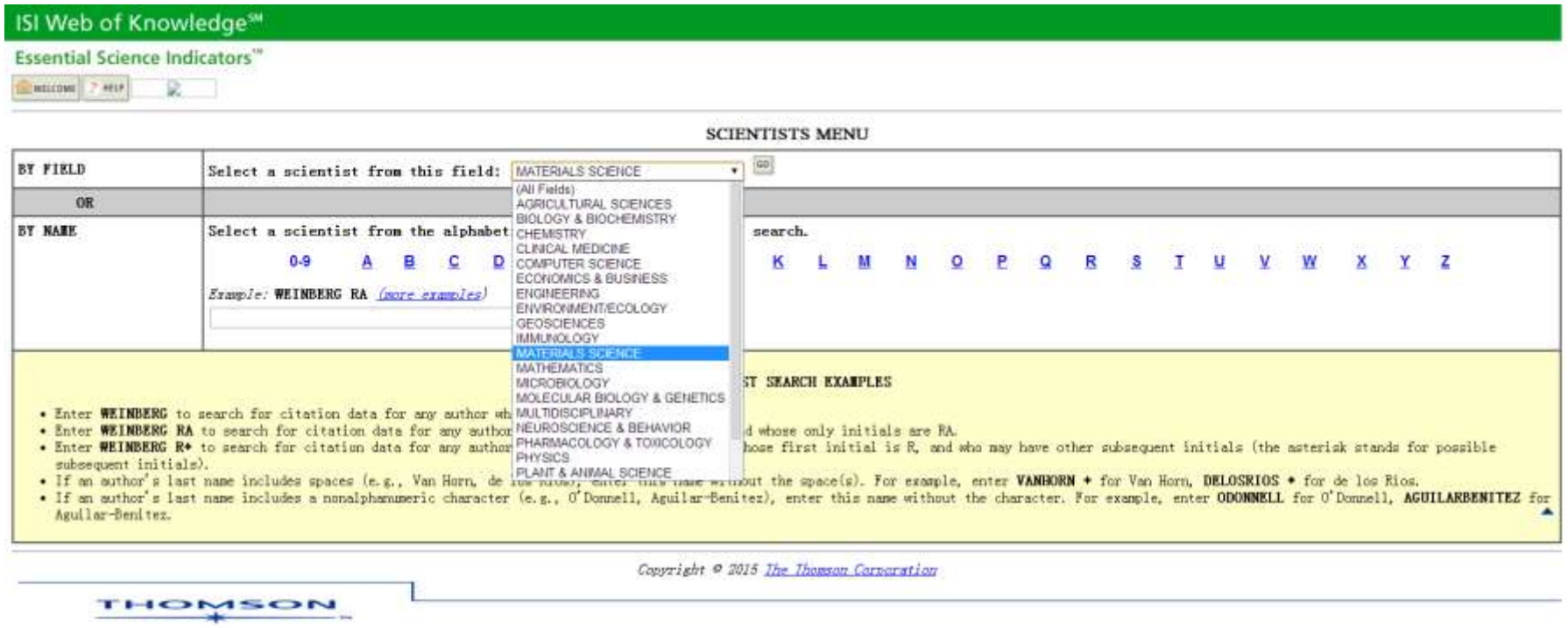

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	View		Scientist	Papers	Citations	Citations Per Paper
1			WANG, Y	2,886	33,278	11.53
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4			WANG, J	2,665	26,118	9.80
5			LIU, Y	2,832	24,597	8.69
6			LI, Y	2,242	23,046	10.28
7			LI, J	2,373	22,411	9.44
8			LIU, J	1,617	21,243	13.14
9			ZHANG, J	2,249	19,568	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
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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

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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

thors: SCHEDIN F. GEIM AK. MOROZOV SV. HILL EW. BLAKE P. KATSNELSON MI. NOVOSELOV KS

urce: NAT MATER
6 (9): 652-655 SEP 2007

dresses: 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.

eld: MATERIALS SCIENCE

Citations: 954

tle: MONITORING DOPANTS BY RAMAN SCATTERING IN AN ELECTROCHEMICALLY TOP-GATED GRAPHENE TRANSISTOR

thors: DAS A. PISANA S. CHAKRABORTY B. PISCANEC S. SAHA SK. MAGHEMARE UV. NOVOSELOV KS. KRISHNAMURTHY HR. GEIM AK. FERRARI AC. SOOD AK

urce: NAT NANOTECHNOL
3 (4): 210-215 APR 2008

dresses: Univ Cambridge, Dept Engn, Cambridge CB3 0FA, England.
Indian Inst Sci, Dept Phys, Bangalore 560012, Karnataka, India.
Jawaharlal Nehru Ctr Adv Sci Res, Theoret Sci Unit, Bangalore 560064, Karnataka, India.

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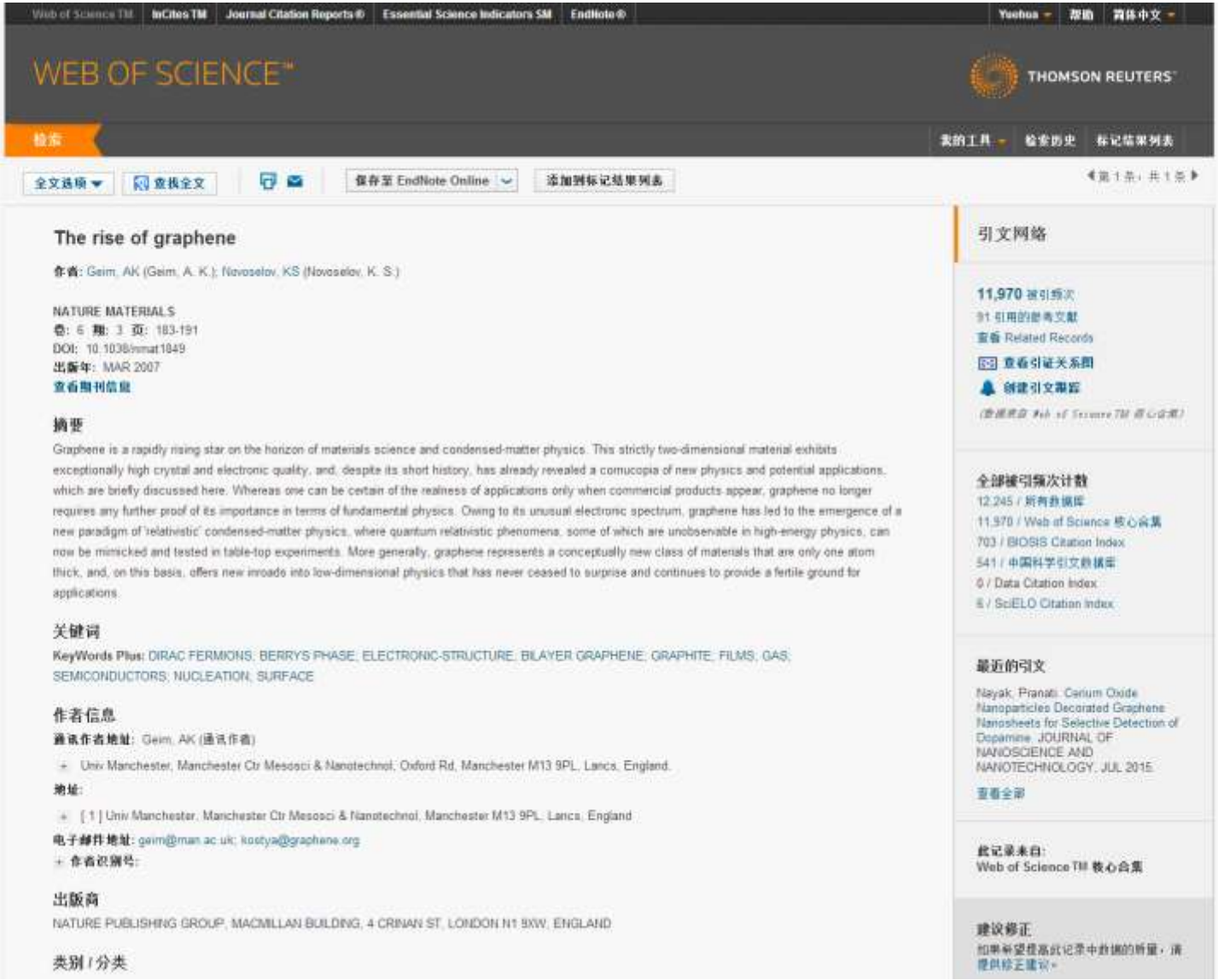

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The rise of graphene

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
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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

作者信息

通讯作者地址: Geim, AK (通讯作者)

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地址:

+ [1] Univ Manchester, Manchester Ctr Mesosci & Nanotechnol, Manchester M13 9PL, Lancs, England

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

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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 630060, Russia.

Field: MATERIALS SCIENCE

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

Addresses: Univ Manchester, Sch Phys & Astron, Manchester M13 9PL, Lancs, England.
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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

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6			LI, Y	2,242	23,046	10.28
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8			LIU, J	1,617	21,243	13.14
9			ZHANG, J	2,249	19,568	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
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2			MATERIALS SCIENCE	17	15,975	939.71
			ALL FIELDS*	160	72,827	455.17

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	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 | SORT AGAIN

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

1 Citations: 15,048 | WEB OF SCIENCE

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 | WEB OF SCIENCE

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 | WEB OF SCIENCE

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

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- Enter **WEINBERG** to search for citation data for any author whose last name is Weinberg.
- Enter **WEINBERG RA** to search for citation data for any author whose last name is Weinberg and whose only initials are RA.
- Enter **WEINBERG R*** to search for citation data for any author whose last name is Weinberg, whose first initial is R, and who may have other subsequent initials (the asterisk stands for possible subsequent initials).
- If an author's last name includes spaces (e.g., Van Horn, de los Rios), enter this name without the space(s). For example, enter **VANHORN *** for Van Horn, **DELOSRIOS *** for de los Rios.
- If an author's last name includes a nonalphanumeric character (e.g., O'Donnell, Aguilar-Benitez), enter this name without the character. For example, enter **ODONNELL** for O'Donnell, **AGUILARBENITEZ** for Aguilar-Benitez.

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TOP PAPERS FOR XIA, YN IN MATERIALS SCIENCE

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

1 Citations: 2,200 | WEB OF SCIENCE

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 | WEB OF SCIENCE

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 | RESEARCH FRONT | WEB OF SCIENCE

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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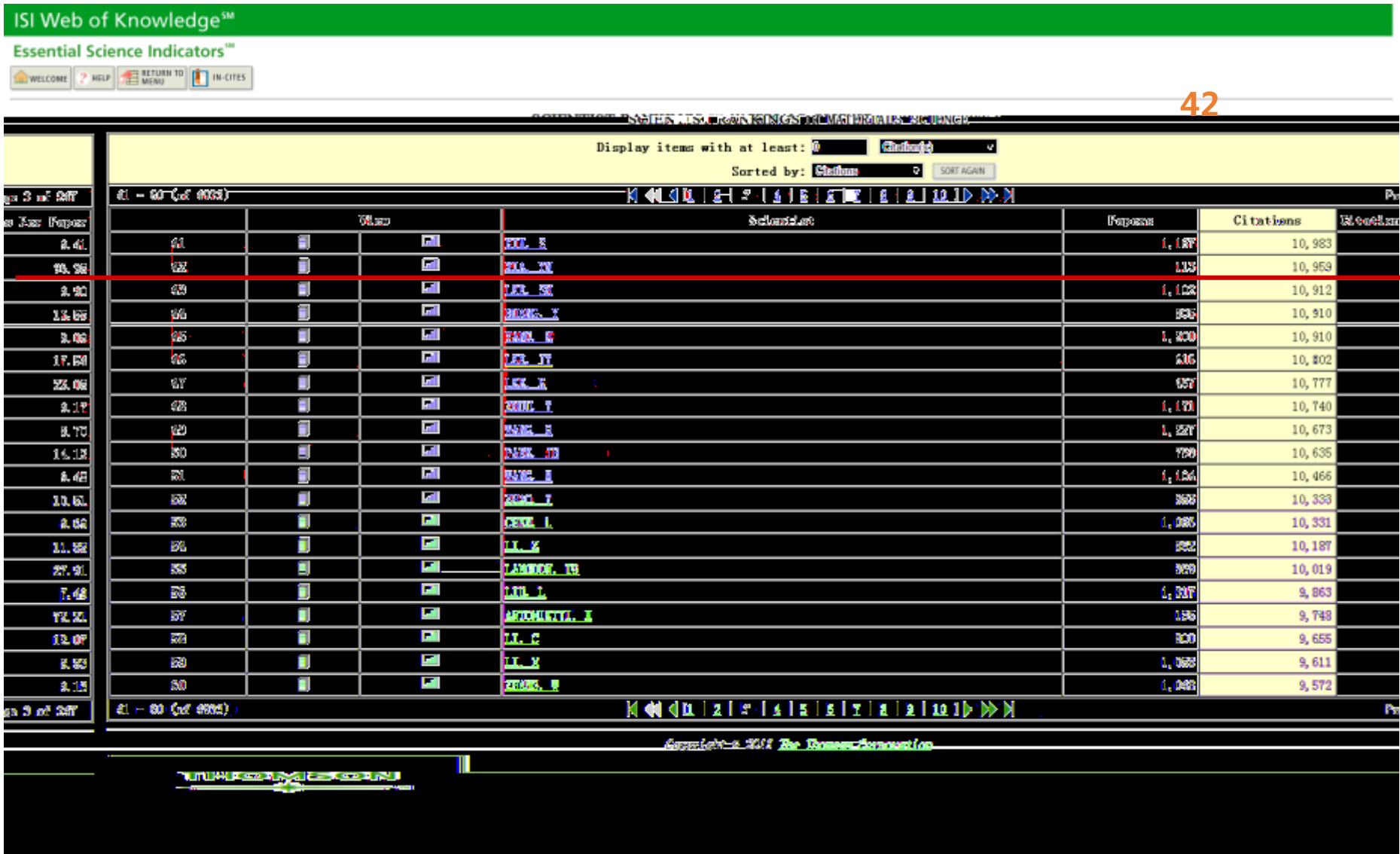

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421 - 440 (of 82801) [21] | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 Page 22 of 4141

	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, J	3,876	39,825	10.27
427			SCHNEIDER, DP	483	39,774	82.35
428			YANG, X	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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TOP PAPERS FOR XIA, YN IN (ALL FIELDS)

Sorted by: Citations SORT AGAIN

1 - 20 (of 108) | 1 | 2 | 3 | 4 | 5 | 6 | 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

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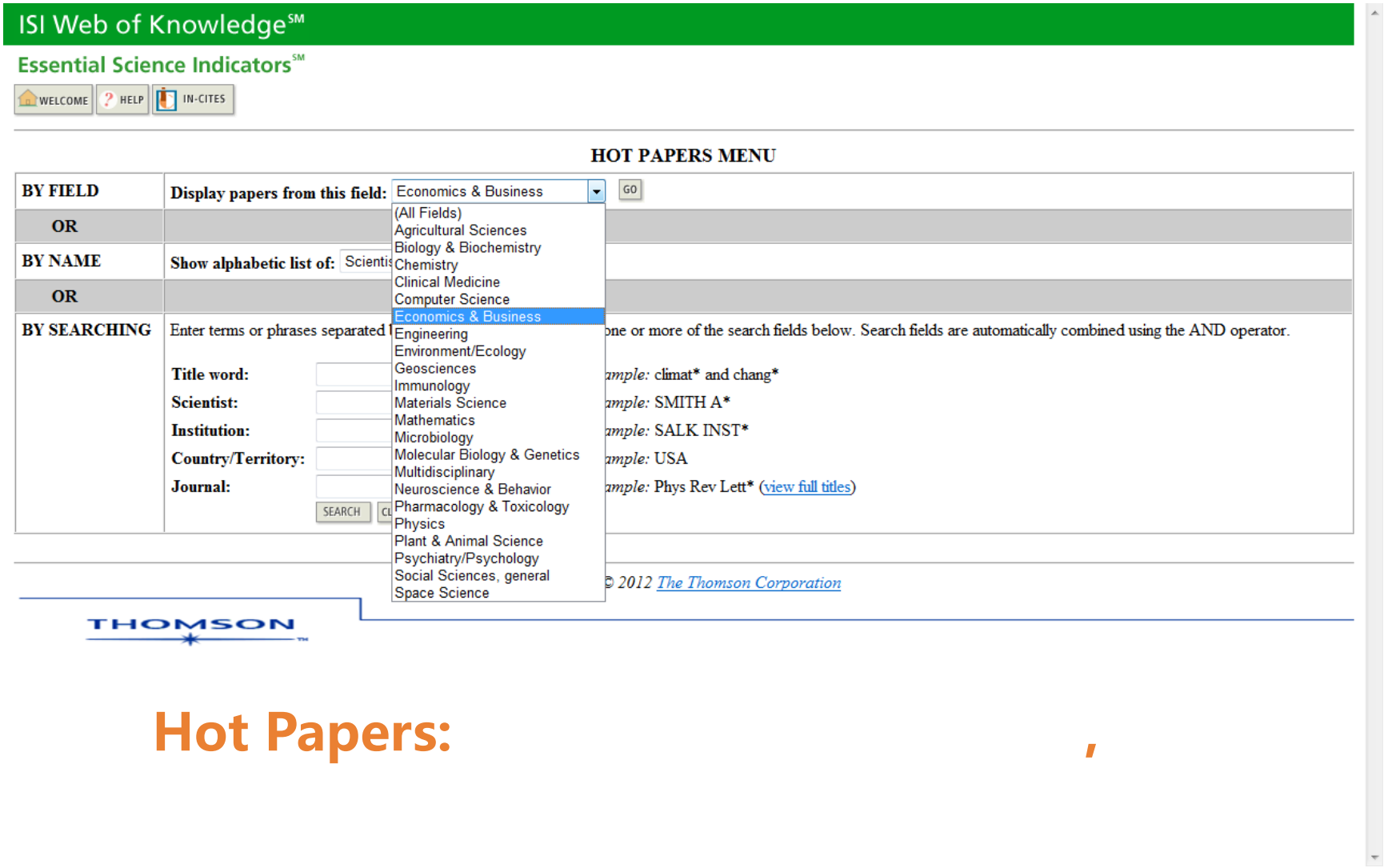

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HOT PAPERS IN ECONOMICS & BUSINESS

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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; OOSTRA BA; 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:
Erasmus Univ, Erasmus Sch Econ, Dept Appl Econ, NL-3000 DR Rotterdam, Netherlands.
Erasmus MC, Dept Epidemiol, NL-3000 CA Rotterdam, Netherlands.
Queensland Inst Med Res, Brisbane, Qld 4006, Australia.
Univ Colorado, Inst Behav Genet, Boulder, CO 80309 USA.
Univ Queensland, Princess Alexandra Hosp, Diamantina Inst, Brisbane, Qld 4102, Australia.
Univ Tartu, Estonian Genome Ctr, EE-51010 Tartu, Estonia.
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.
Univ Groningen, Univ Med Ctr Groningen, Dept Epidemiol, NL-9700 RB Groningen, Netherlands.
Erasmus MC, Dept Epidemiol, Genet Epidemiol Unit, NL-3000 CA Rotterdam, Netherlands.
Cleveland Clin, Heart & Vasc & Lerner Res Inst, Cleveland, OH 44195 USA.
Univ Med Greifswald, Inst Community Med, D-17489 Greifswald, Germany.
Univ Toronto, Samuel Lunenfeld Res Inst, Mt Sinai Hosp, Toronto, ON M5G 1X5, Canada.
Univ Michigan, Sch Publ Hlth, Dept Epidemiol, Ann Arbor, MI 48109 USA.
Univ Minnesota, Div Biostat, Minneapolis, MN 55455 USA.

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HOT PAPERS IN CHEMISTRY

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1 - 20 (of 324) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Page 1 of 17

1 Citations: 641

Title: SEQUENTIAL DEPOSITION AS A ROUTE TO HIGH-PERFORMANCE PEROVSKITE-SENSITIZED SOLAR CELLS

Authors: BURSCHKA J, PELLET N, MOON SJ, HUMPHRY-BAKER R, GAO P, NAZEERUDDIN MK, GRATZEL M

Source: NATURE 499 (7458): 316+ JUL 18 2013

Addresses: Swiss Fed Inst Technol, Dept Chem & Chem Engn, Lab Photon & Interfaces, CH-1015 Lausanne, Switzerland.
Max Planck Inst Solid State Res, D-70569 Stuttgart, Germany.

Field: CHEMISTRY

2 Citations: 414

Title: THE CHEMISTRY OF TWO-DIMENSIONAL LAYERED

Authors: CHHOWALLA M, SHIN HS, EDA G, LI LJ,

Source: NAT CHEM 5 (4): 263-275 APR 2013

Addresses: Rutgers State Univ, Piscataway, NJ 0885
UNIST, Interdisciplinary Sch Green Energy
UNIST, Low Dimens Carbon Mat Ctr, Ulsan
Natl Univ Singapore, Dept Phys, Singapore
Natl Univ Singapore, Dept Chem, Singapore
Natl Univ Singapore, Graphene Res Ctr, Si
Acad Sinica, Inst Atom & Mol Sci, Taipei
Nanyang Technol Univ, Sch Mat Sci & Engn,

Field: CHEMISTRY

3 Citations: 321

Title: METAL-ORGANIC FRAMEWORKS AND SELF-ASSEMBL
ORGANIC MATERIALS

Authors: COOK TR, ZHENG YR, STANG PJ

Source: CHEM REV 113 (1): 734-777 JAN 2013

Addresses: UNIV UTAH, DEPT CHEM, SALT LAKE CITY, UT

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HOT PAPERS IN ENGINEERING

Sorted by: Citations

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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HOT PAPERS IN MATERIALS SCIENCE

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1 - 20 (of 133) Page 1 of 7

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 [illegible] Engn, B-3000 Louvain, Belgium.
Harvard Univ, [illegible] 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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HOT PAPERS IN SOCIAL SCIENCES, GENERAL

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1 - 20 (of 134) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Page 1 of 7

1 Citations: 161

Title: COHORT PROFILE: THE CHILDREN OF THE 90S-THE INDEX OFFSPRING OF THE AVON LONGITUDINAL STUDY OF PARENTS AND CHILDREN

Authors: BOYD A; GOLDING J; MACLEOD J; LAWLOR DA; FRASER A; HENDERSON J; MOLLOY L; NESS A; RING S; SMITH GD

Source: INT J EPIDEMIOL 42 (1): 111-127 FEB 2013

Addresses: Univ Bristol, Sch Social & Community Med, Bristol BS8 2BN, Avon, England.
Univ Bristol, Sch Social & Community Med, Ctr Child & Adolescent Hlth, Bristol BS8 2BN, Avon, England.
Univ Bristol, Sch Social & Community Med, MRC, Ctr Causal Anal Translat Epidemiol, Bristol BS8 2BN, Avon, England.
Univ Bristol, Sch Oral & Dent Sci, Bristol BS8 2BN, Avon, England.

Field: SOCIAL SCIENCES, GENERAL

2 Citations: 116

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

3 Citations: 88

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.

Field: SOCIAL SCIENCES, GENERAL

4 Citations: 87

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HOT PAPERS IN BIOLOGY & BIOCHEMISTRY

Sorted by: Citations SORT AGAIN

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

追踪分子生物学与遗传学学科前沿——热点论文

35

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HOT PAPERS IN MOLECULAR BIOLOGY & GENETICS

Sorted by: Citations SORT AGAIN

1 - 20 (of 77) [1] 2 3 4 Page 1 of 4

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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HOT PAPERS IN MICROBIOLOGY

Sorted by: Citations SORT AGAIN

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.
Univ Calif Davis, Dept Evolut & Ecol, Davis, CA 95616 USA.
Univ Technol Sydney, Inst I3, Ultimo, NSW 2007, Australia.
Bigelow Lab Ocean Sci, East Boothbay, ME 04544 USA.
Univ British Columbia, Dept Microbiol & Immunol, Vancouver, BC V6T 1Z3, Canada.
Univ British Columbia, Grad Program Bioinformat, Vancouver, BC V6T 1Z3, Canada.
Univ Nevada, Sch Life Sci, Las Vegas, NV 89154 USA.
Univ Patras, Dept Environm & Nat Resources Management, Agrinion 30100, TK, Greece.
Woods Hole Oceanog Inst, Dept Biol, Woods Hole, MA 02543 USA.
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

追踪免疫学学科前沿——热点论文 3 5

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HOT PAPERS IN IMMUNOLOGY

Sorted by: Citations SORT AGAIN

1 - 20 (of 47) [1] 2 | 3 Page 1 of 3

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:
Univ Amsterdam, Acad Med Ctr, Tytgat Inst Liver & Intestinal Res, NL-1105 BK Amsterdam, Netherlands.
Univ Penn, Dept Microbiol, Perelman Sch Med, Philadelphia, PA 19104 USA.
Univ Penn, Inst Immunol, Perelman Sch Med, Philadelphia, PA 19104 USA.
Washington Univ, Sch Med, Dept Pathol & Immunol, St Louis, MO 63110 USA.
Univ Freiburg, Inst Med Microbiol & Hyg, D-79104 Freiburg, Germany.
Inst Pasteur, Innate Immun Unit, F-75724 Paris, France.
Inst Pasteur, Dev Lymphoid Tissues Unit, F-75724 Paris, France.
CREST, Dept Microbiol & Immunol, Chiyoda Ku, Tokyo 1020075, Japan.
RIKEN, Res Ctr Allergy & Immunol, Lab Immune Cell Syst, Yokohama, Kanagawa 2300045, Japan.
Univ Calif San Francisco, Howard Hughes Med Inst, San Francisco, CA 94143 USA.
MRC, Mol Biol Lab, Cambridge CB2 0QH, England.
Vrije Univ Amsterdam, Med Ctr, Dept Mol Cell Biol & Immunol, NL-1007 MB Amsterdam, Netherlands.
Univ Oxford, John Radcliffe Hosp, Nuffield Dept Clin Med, Translat Gastroenterol Unit, Oxford OX3 9DU, England.
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

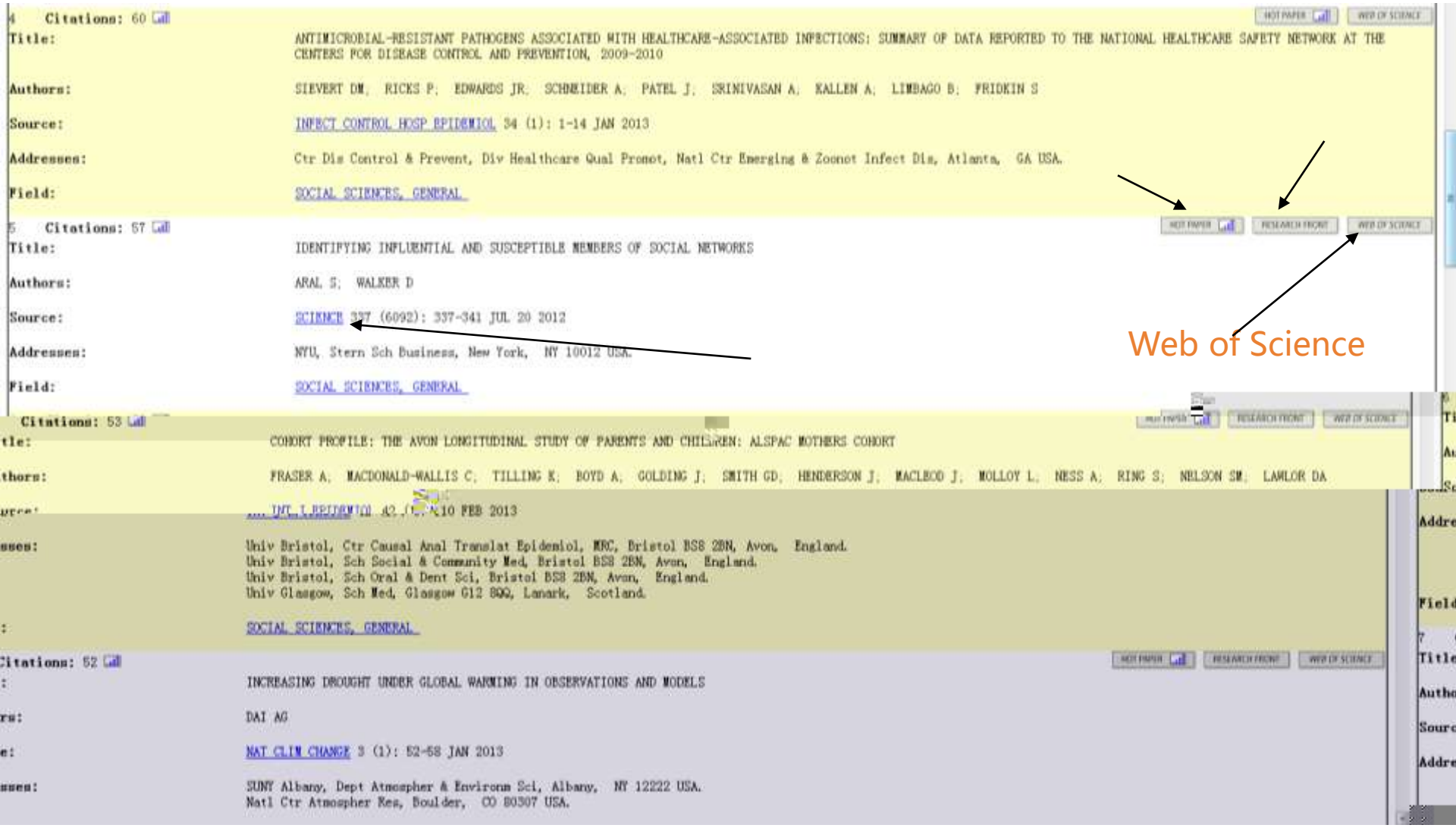
Source: NATURE 496 (7446): 445-455 APR 25 2013

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

基金案例：追踪社会科学学科前沿——热点论文

ESI **134** **Hot Papers**



追踪社会科学学科前沿——热点论文

2

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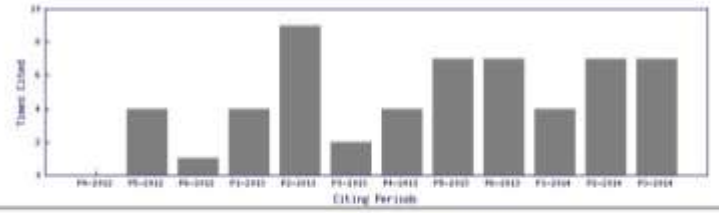
HOT PAPERS

Title: IDENTIFYING INFLUENTIAL AND SUSCEPTIBLE MEMBERS OF SOCIAL NETWORKS

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

Number of Citations (by bi-monthly period):



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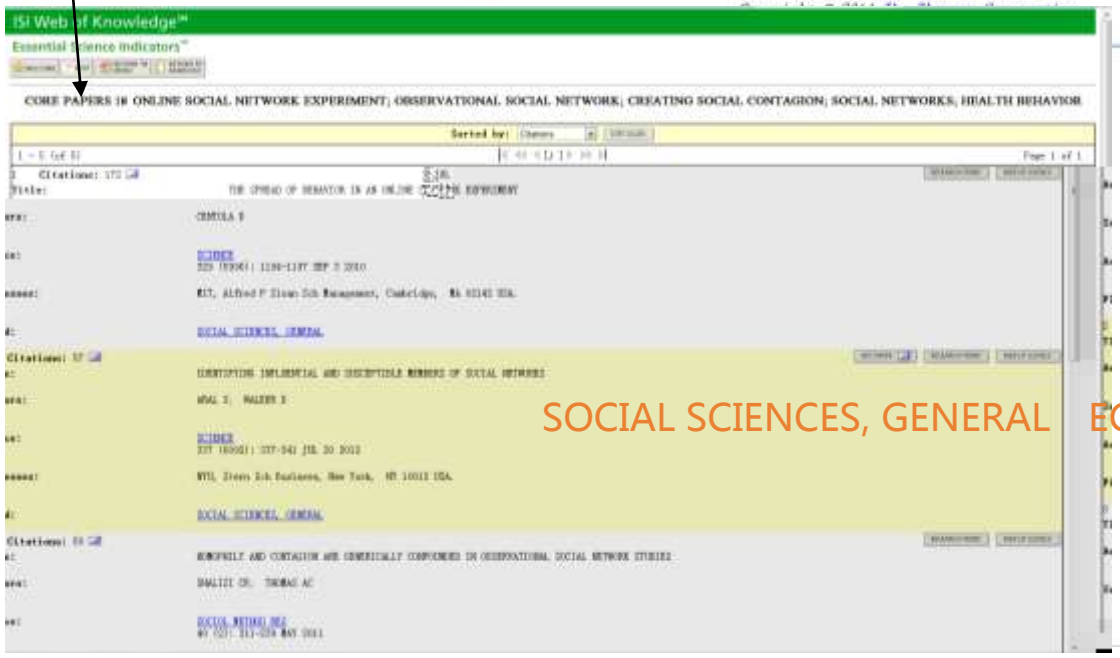
	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		ONLINE SOCIAL NETWORK EXPERIMENT; OBSERVATIONAL SOCIAL NETWORK; CREATING SOCIAL CONTAGION; SOCIAL NETWORKS; HEALTH BEHAVIOR	5	360	72.00	2011.0

1 - 1 (of 1) Page 1 of 1



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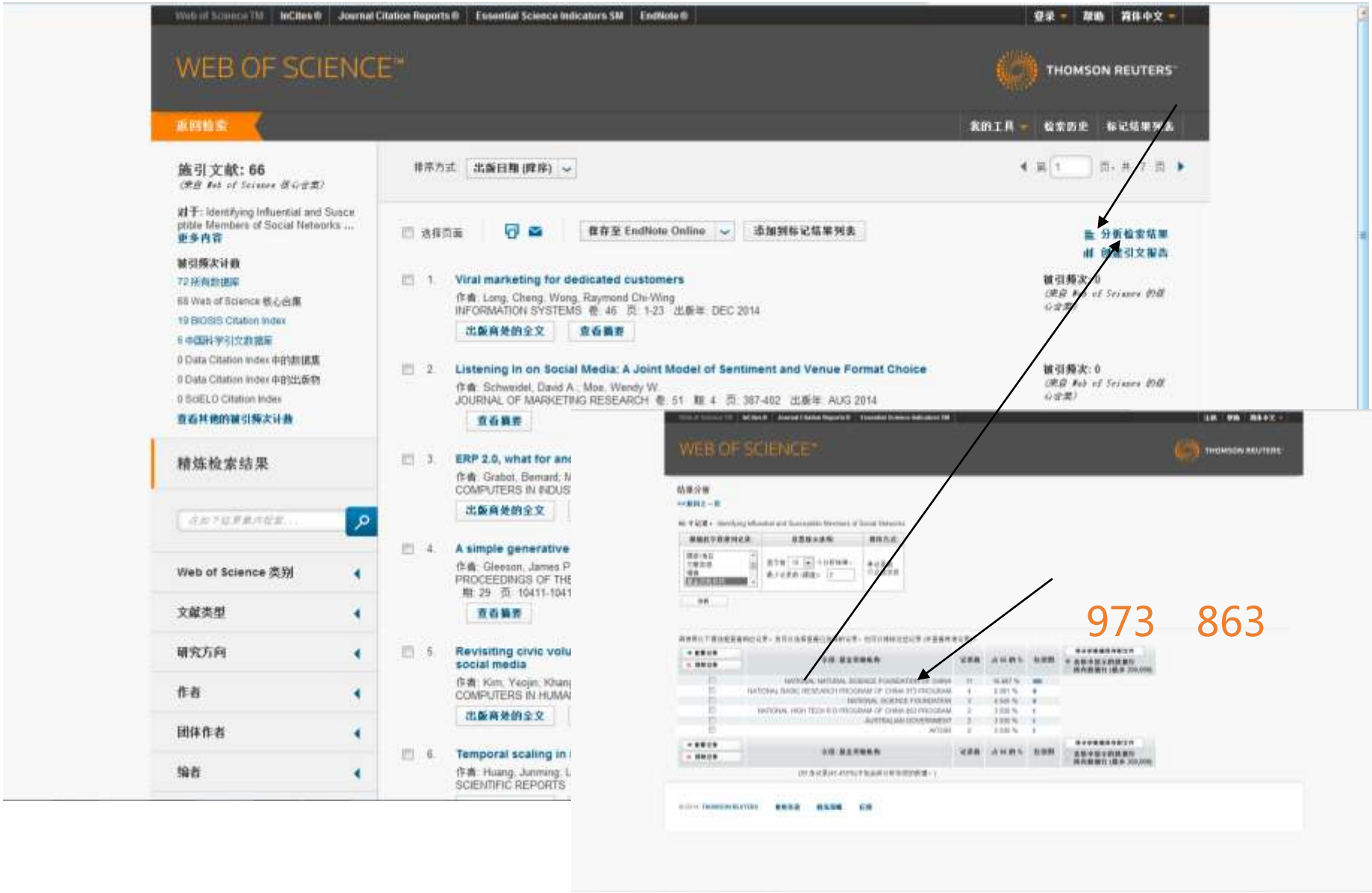

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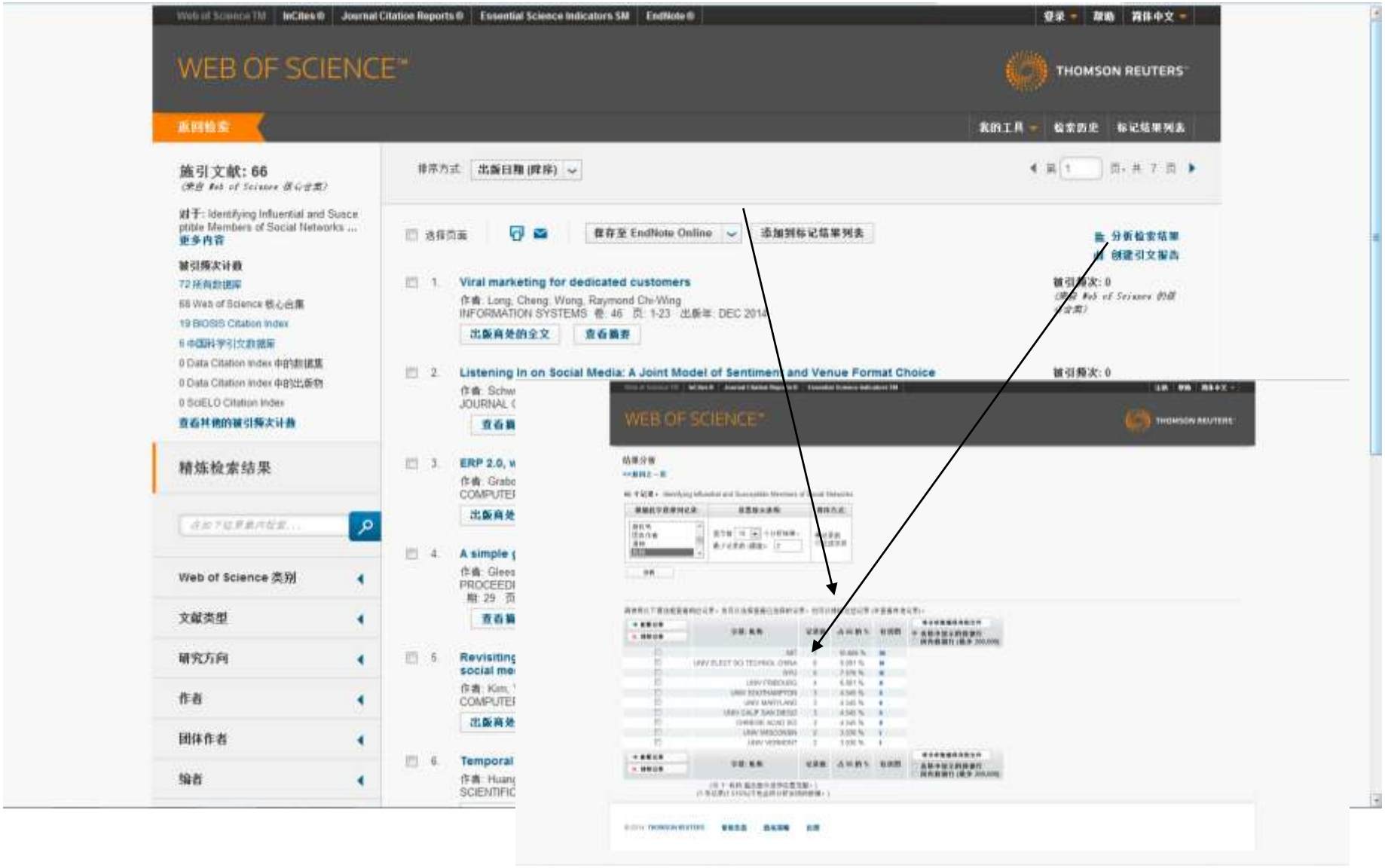

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http://isisn.nsfc.gov.cn/egrantindex/funcindex/prjsearch-list

追踪社会科学学科前沿——热点论文

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检索结果

	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数据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	基于细粒度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	位置相关众智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：基于时间序列和回路视角的方法	许小可	大连民族学院	78	2014-01至2017-12
8	71301088	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	吴秀荣	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	巫吉纲	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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	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	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	张青鹏	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	基于群体定位的社群智能关键技术研究	张大鹏	河北大学	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	王珍	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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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

2 **185** **ESI** **Hot Papers**

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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 [illegible]RP,THOMAS J WATSON RES CTR,YORKTOWN HTS, Y 10598.

Field: ENGINEERING

Web of Science

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.

基金案例：追踪工程学领域学科前沿——热点论文

2014 9 11

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

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

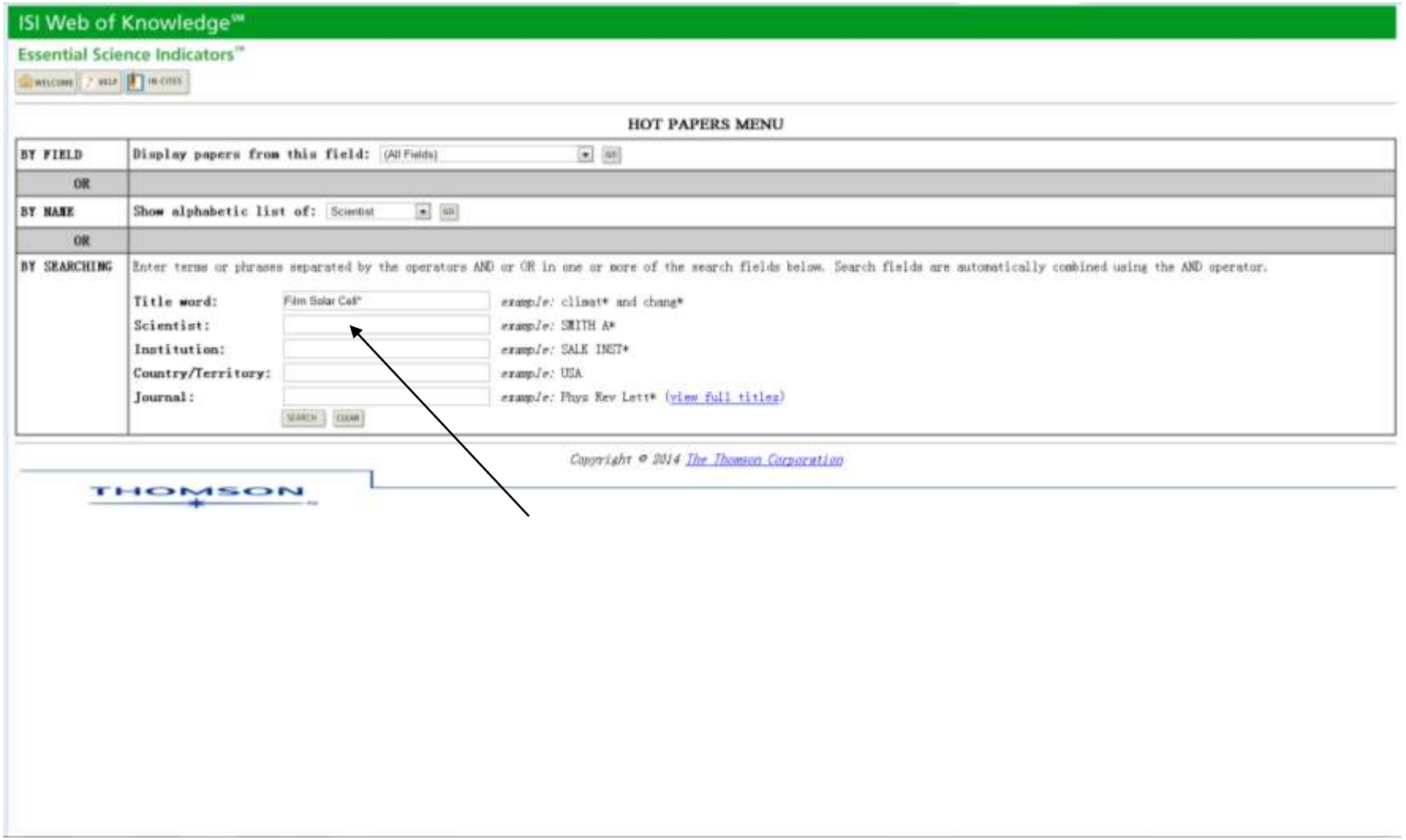
5 **Citations:** 131

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

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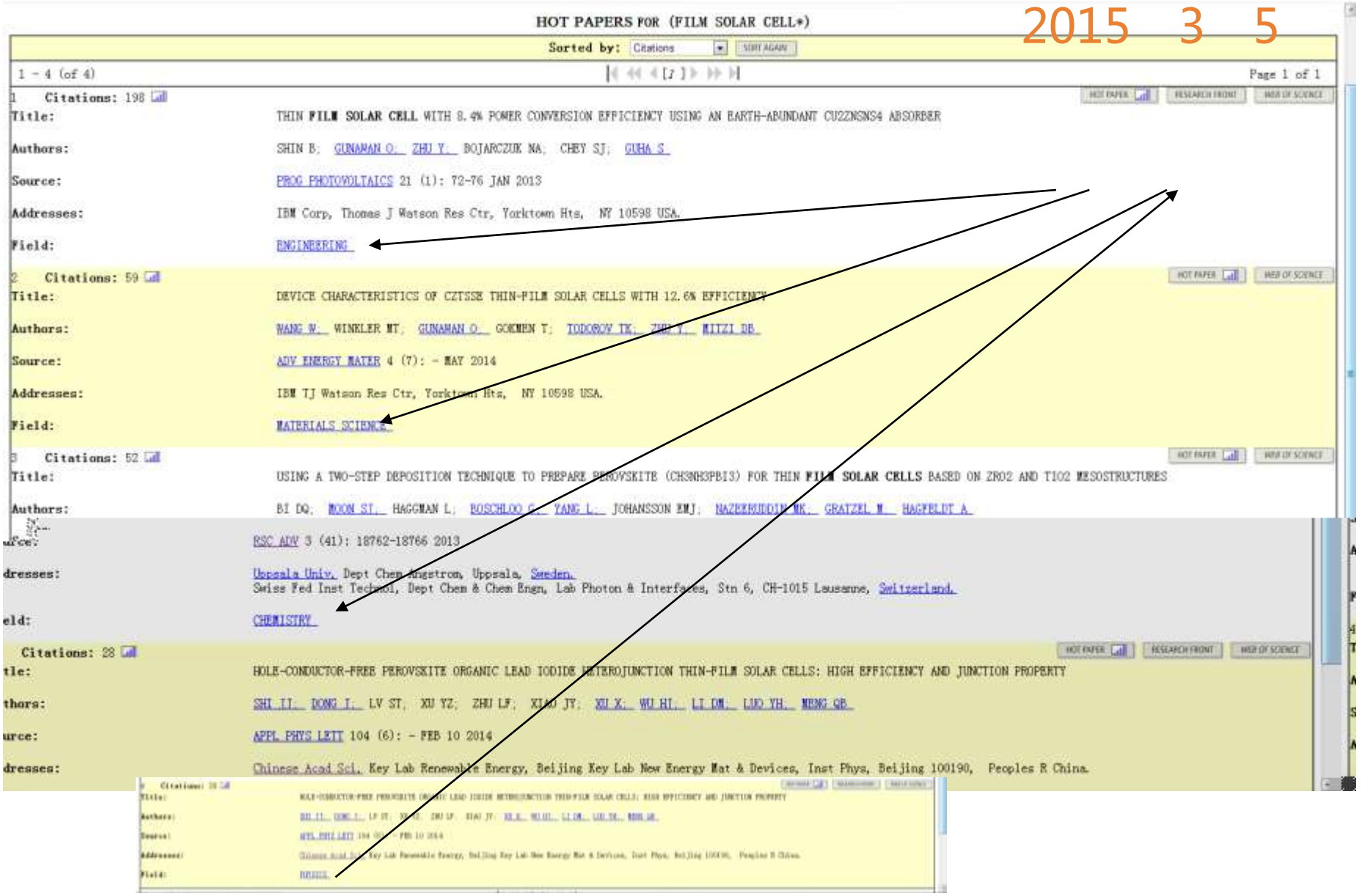


HOT PAPERS FOR (FILM SOLAR CELL*)

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

RSC ADV 3 (41): 18762-18766 2013

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

eld: CHEMISTRY

Citations: 28

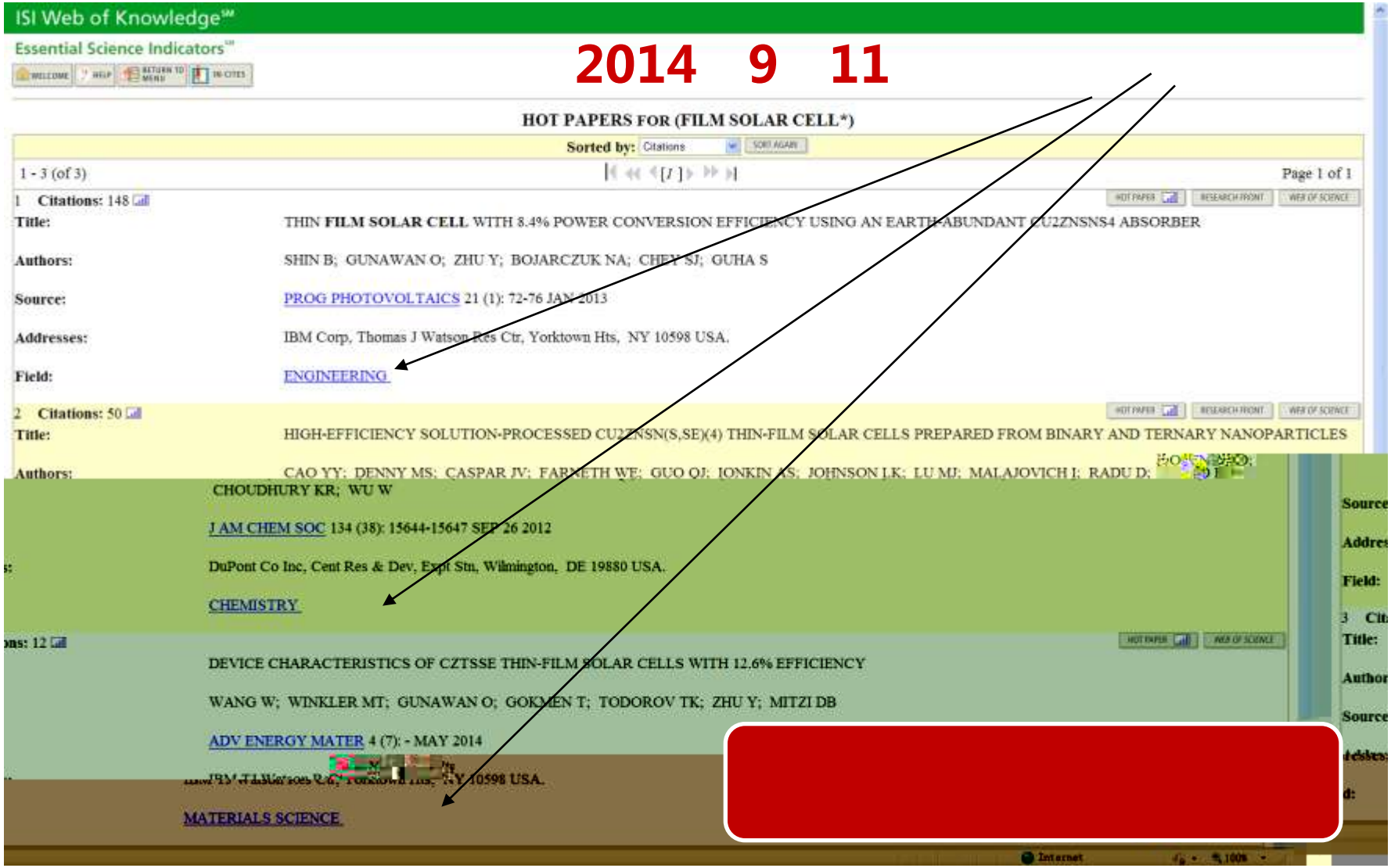
tle: HOLE-CONDUCTOR-FREE PEROVSKITE ORGANIC LEAD IODIDE HETEROJUNCTION THIN-FILM SOLAR CELLS: HIGH EFFICIENCY AND JUNCTION PROPERTY

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

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

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

薄膜太阳能电池（Film Solar Cell）热点论文



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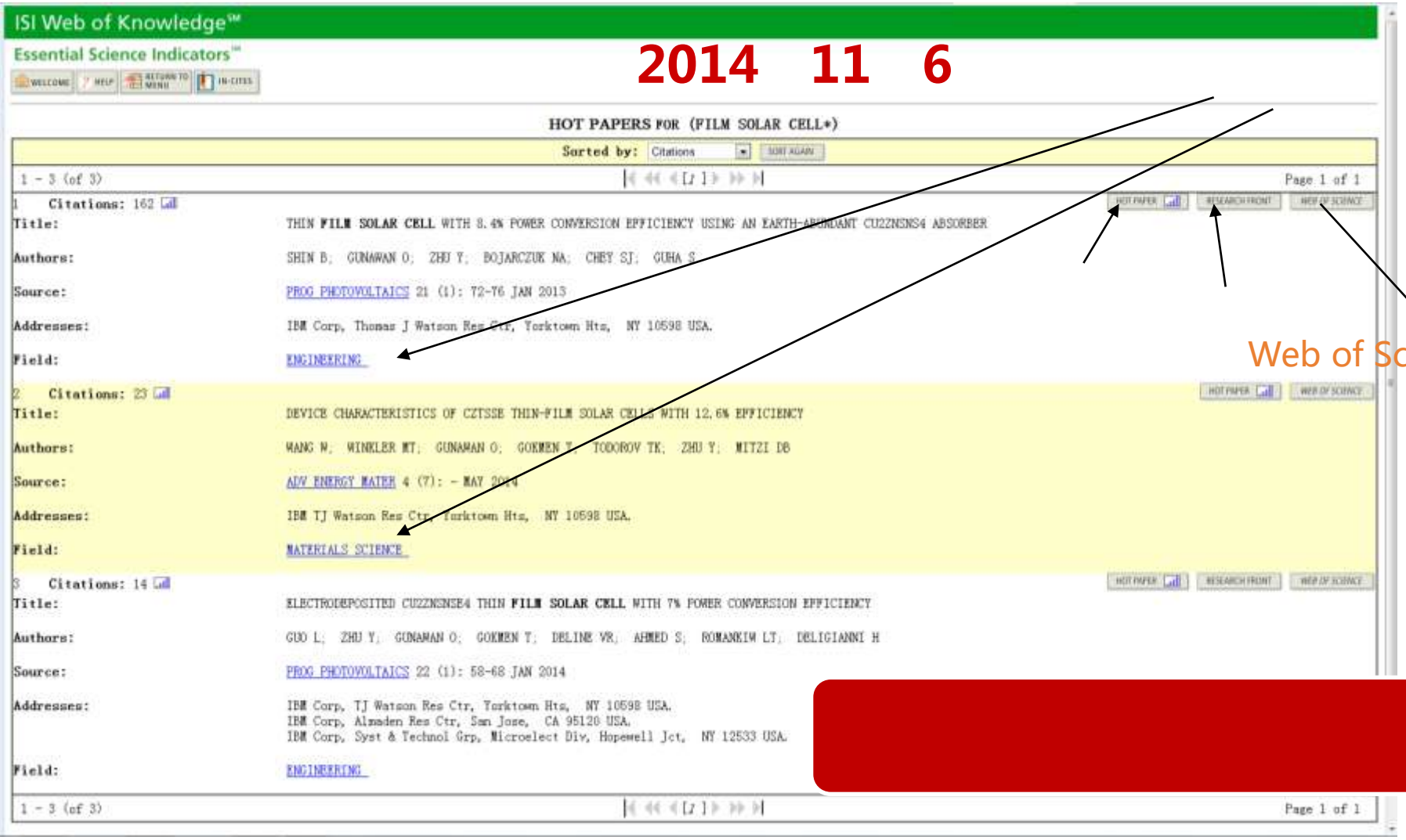
2013-2014



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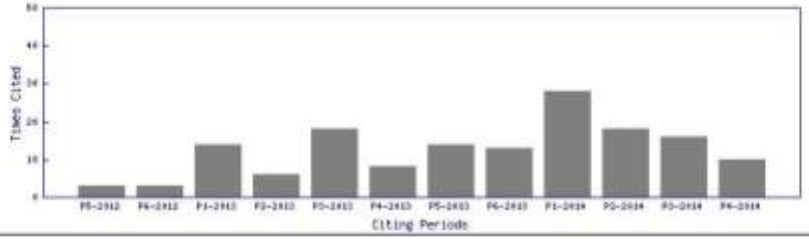

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	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		LOW BAND GAP LIQUID-PROCESSED CZTSE SOLAR CELL; THIN FILM SOLAR CELL; EFFICIENT SOLAR CELLS; SE)(4) SOLAR CELLS; 4% POWER CONVERSION EFFICIENCY	5	484	96.80	2012.2

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

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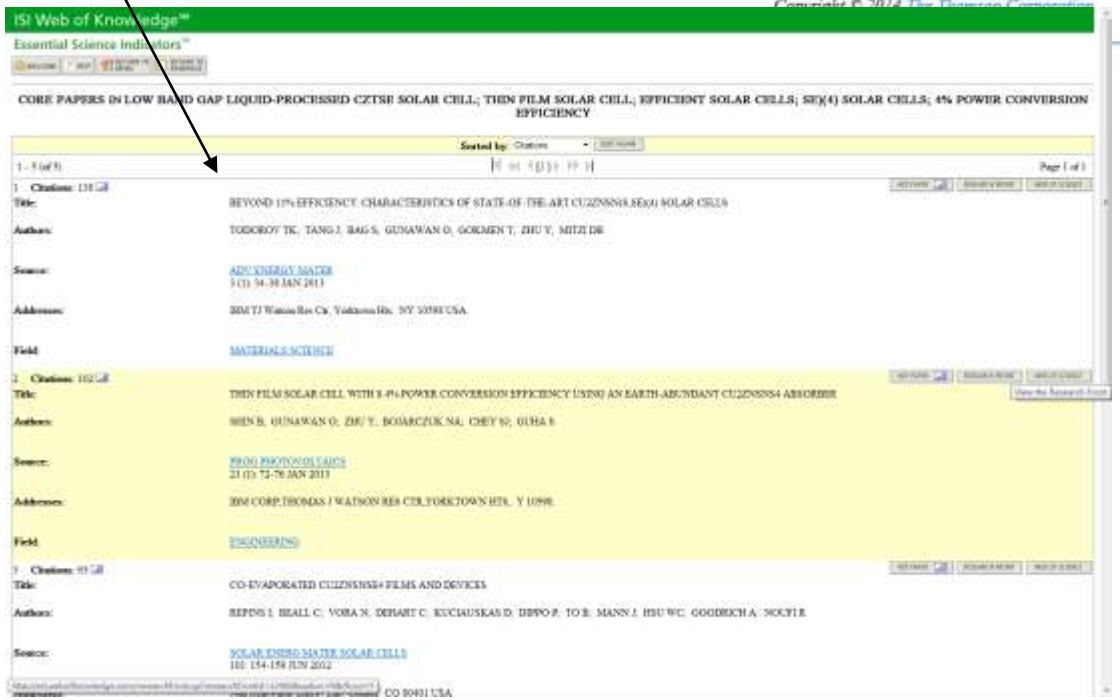

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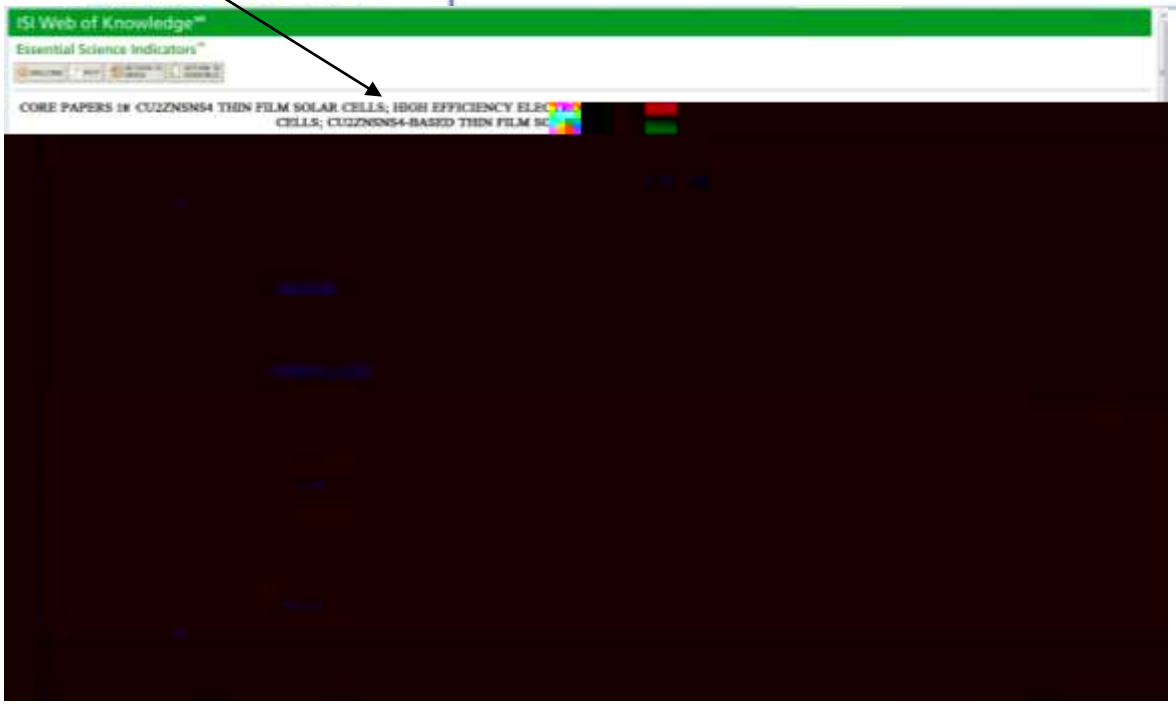
	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		CU2ZNSNS4 THIN FILM SOLAR CELLS; HIGH EFFICIENCY ELECTRODEPOSITED CU2ZNSNS4 SOLAR CELL; THERMALLY EVAPORATED CU2ZNSNS4 SOLAR CELLS; CU2ZNSNS4-BASED THIN FILM SOLAR CELLS; CZTS-BASED THIN FILM SOLAR CELLS	23	3754	163.22	2010.8

1 - 1 (of 1) Page 1 of 1

2014 11 6



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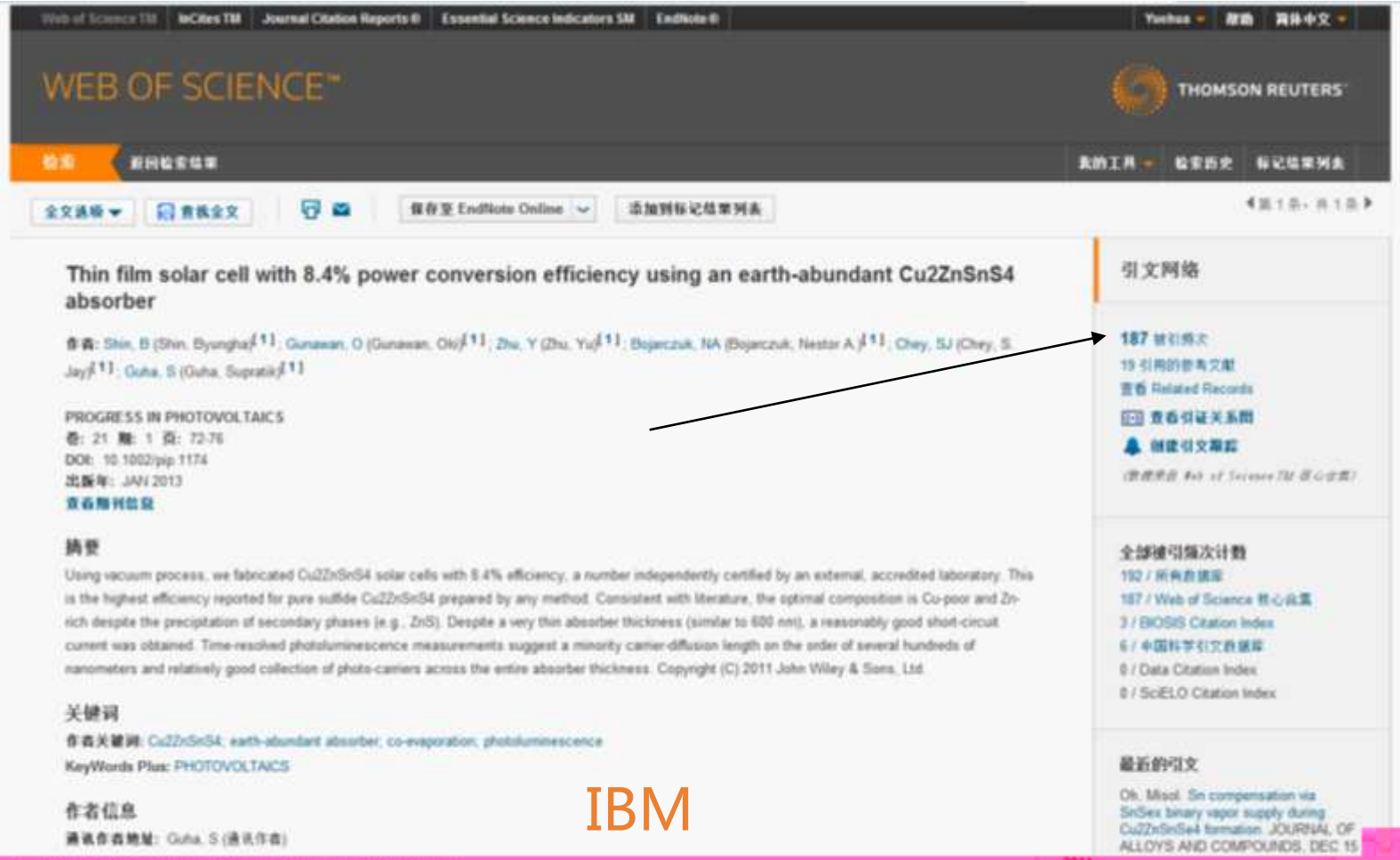

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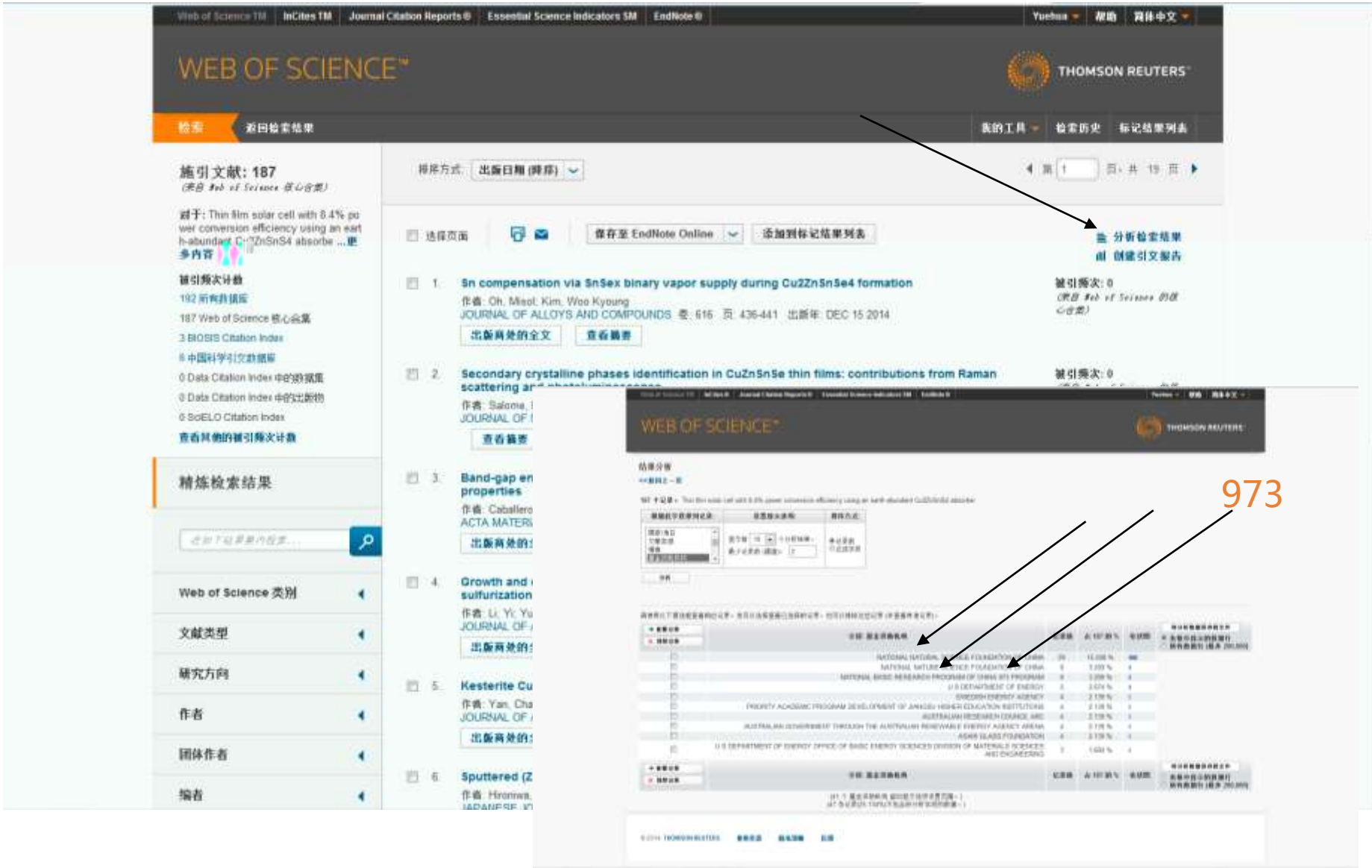

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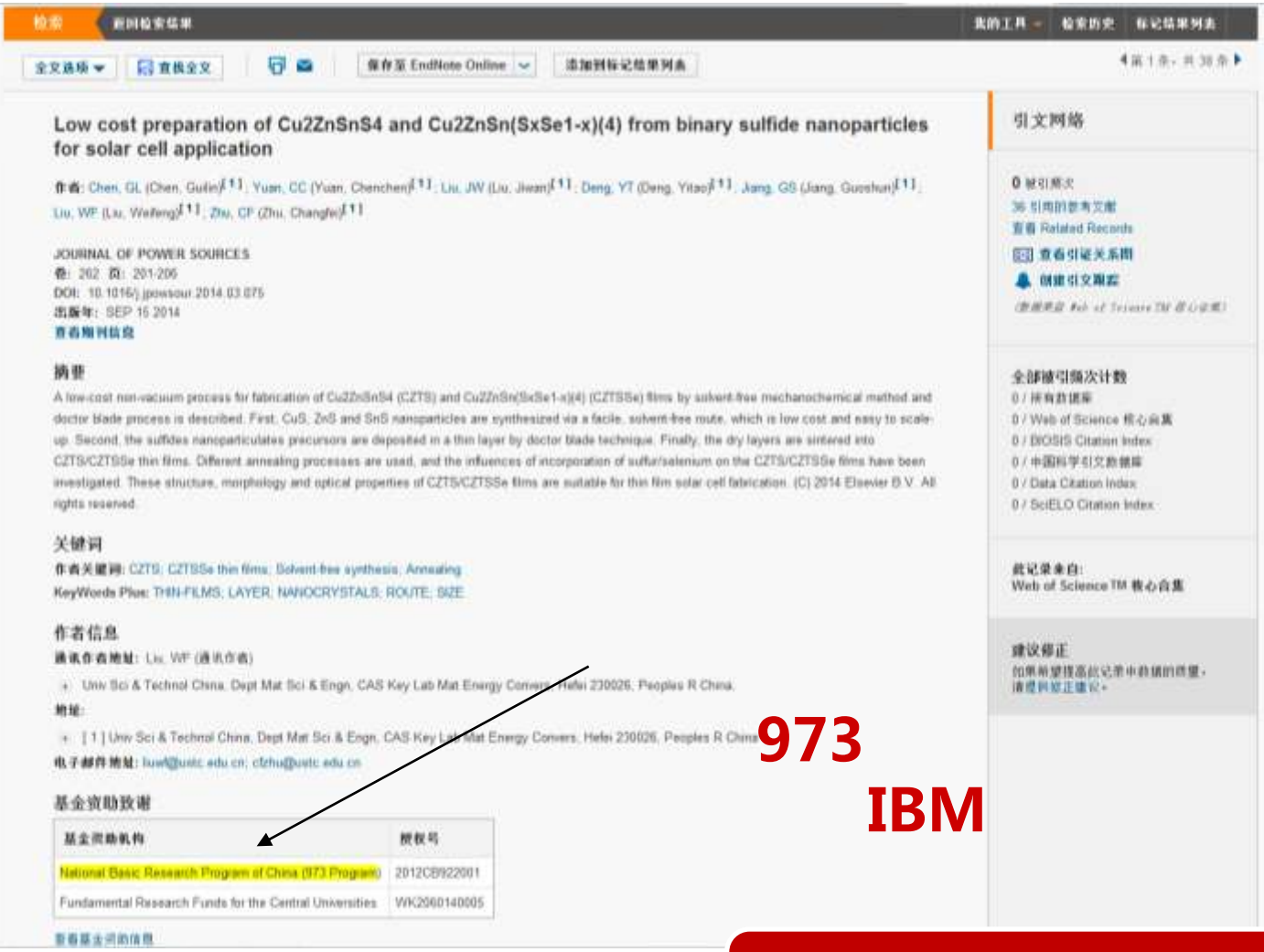

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Low cost preparation of Cu2ZnSnS4 and Cu2ZnSn(SxSe1-x)(4) from binary sulfide nanoparticles for solar cell application

作者: Chen, GL (Chen, Guilin)[1]; Yuan, CC (Yuan, Chenchen)[1]; Liu, JW (Liu, Jiwen)[1]; Deng, YT (Deng, Yitao)[1]; Jiang, GS (Jiang, Guoshun)[1]; Liu, WF (Liu, Weifeng)[1]; Zhu, CF (Zhu, Changfei)[1]

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

A low-cost non-vacuum process for fabrication of Cu2ZnSnS4 (CZTS) and Cu2ZnSn(SxSe1-x)(4) (CZTSSe) films by solvent-free mechanochemical method and doctor blade process is described. First, CuS, ZnS and SnS nanoparticles are synthesized via a facile, solvent-free route, which is low cost and easy to scale-up. Second, the sulfides nanoparticulates precursors are deposited in a thin layer by doctor blade technique. Finally, the dry layers are sintered into CZTS/CZTSSe thin films. Different annealing processes are used, and the influences of incorporation of sulfur/selenium on the CZTS/CZTSSe films have been investigated. These structure, morphology and optical properties of CZTS/CZTSSe films are suitable for thin film solar cell fabrication. (C) 2014 Elsevier B.V. All rights reserved.

关键词

作者关键词: CZTS; CZTSSe thin films; Solvent-free synthesis; Annealing
KeyWords Plus: THIN-FILMS; LAYER; NANOCRYSTALS; ROUTE; SIZE

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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

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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
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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

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+ 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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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

（金额单位：万元） 共 2 页/ 11 条

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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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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

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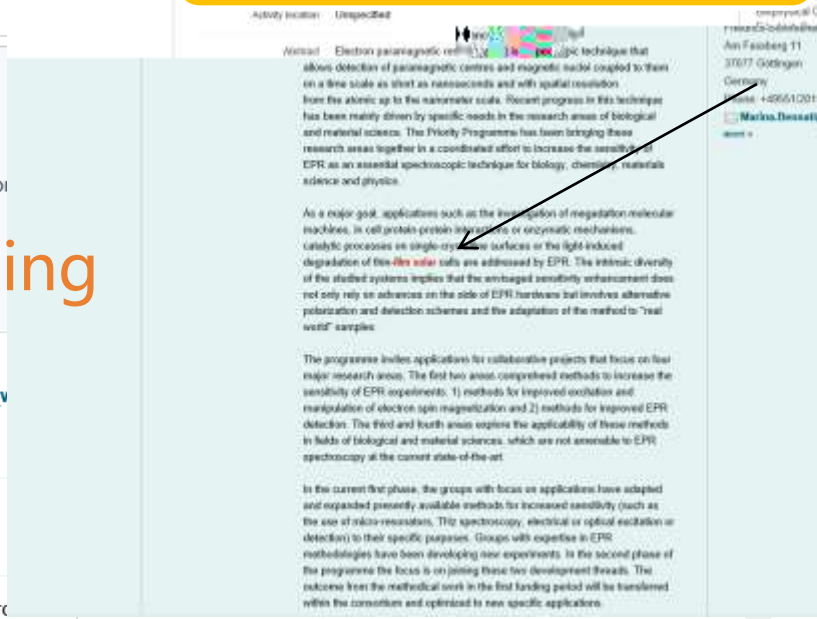
Sponsor ID: SPP 1601

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



Funding Contact Person

Professor Dr. Marina Bennati,
coordinator *(Scientific questions*

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热点论文

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BY FIELD	Display papers from this field: (All Fields) GO
OR	
BY NAME	Show alphabetic list of: Scientist GO
OR	
BY SEARCHING	Enter terms or phrases separated by the operators AND or OR in one or more of the search fields below. Search fields are automatically combined using the AND operator.

Title word: brain computer interface* example: allerg* and inflam*

Scientist: brain computer interface* example: WEINBERG R*

Institution: example: SALK INST*

Country/Territory: example: USA

Journal: example: J Cell* (view full titles)

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brain computer interface*

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HIGHLY CITED PAPERS FOR (BRAIN COMPUTER INTERFACE*)

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) Page 1 of 1

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

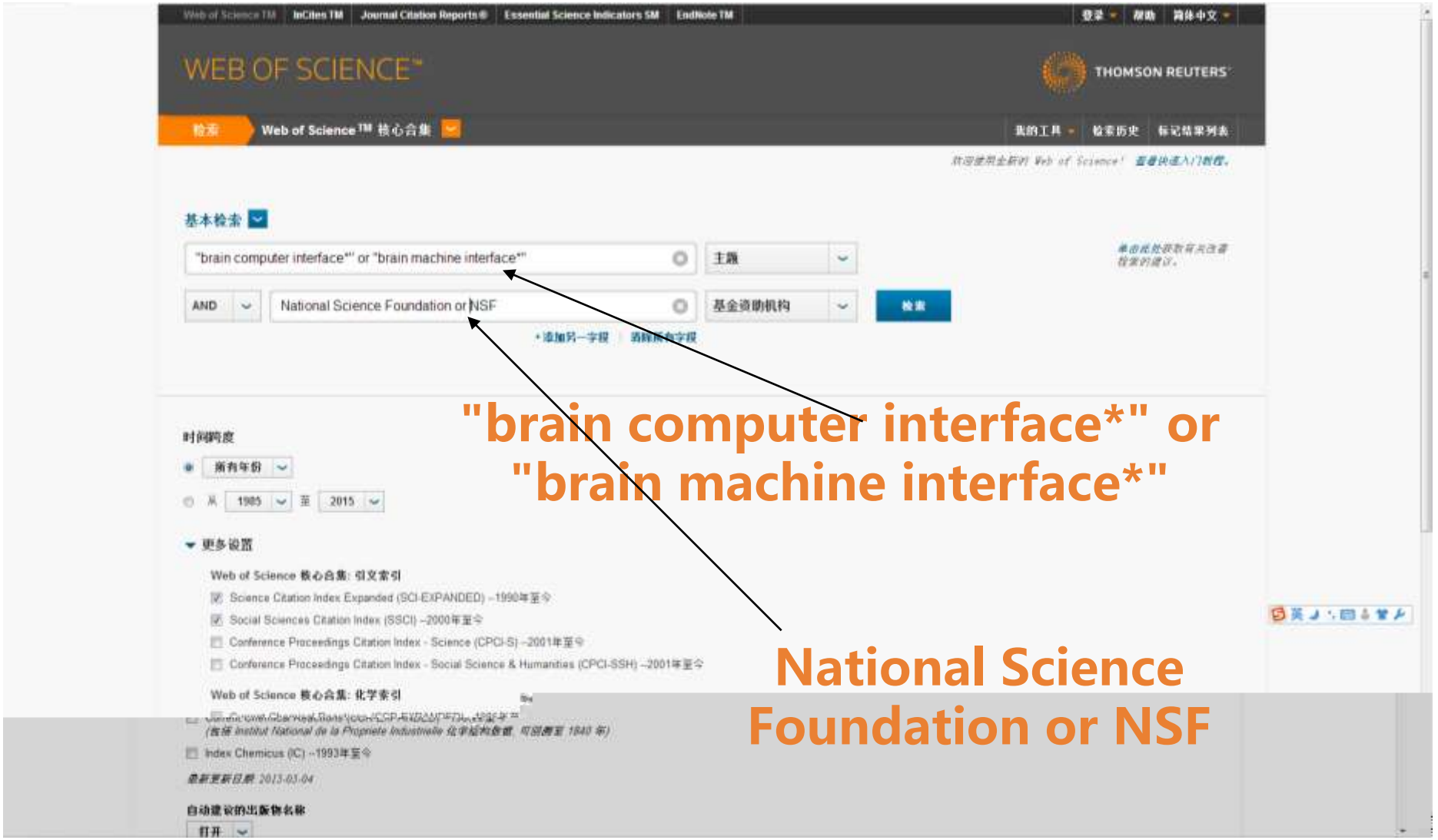
Source: BIOL PSYCHOL 95: 4-20 SP. ISS. SI JAN 2014

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.
Osped San Camilla, IRCCS, I-30126 Venice, Italy.
Univ Florida, Dept Biomed Engn, Gainesville, FL 32611 USA.
Sri Chitra Tirunal Inst Med Sci & Technol, Thiruvananthapuram 695011, Kerala, India.

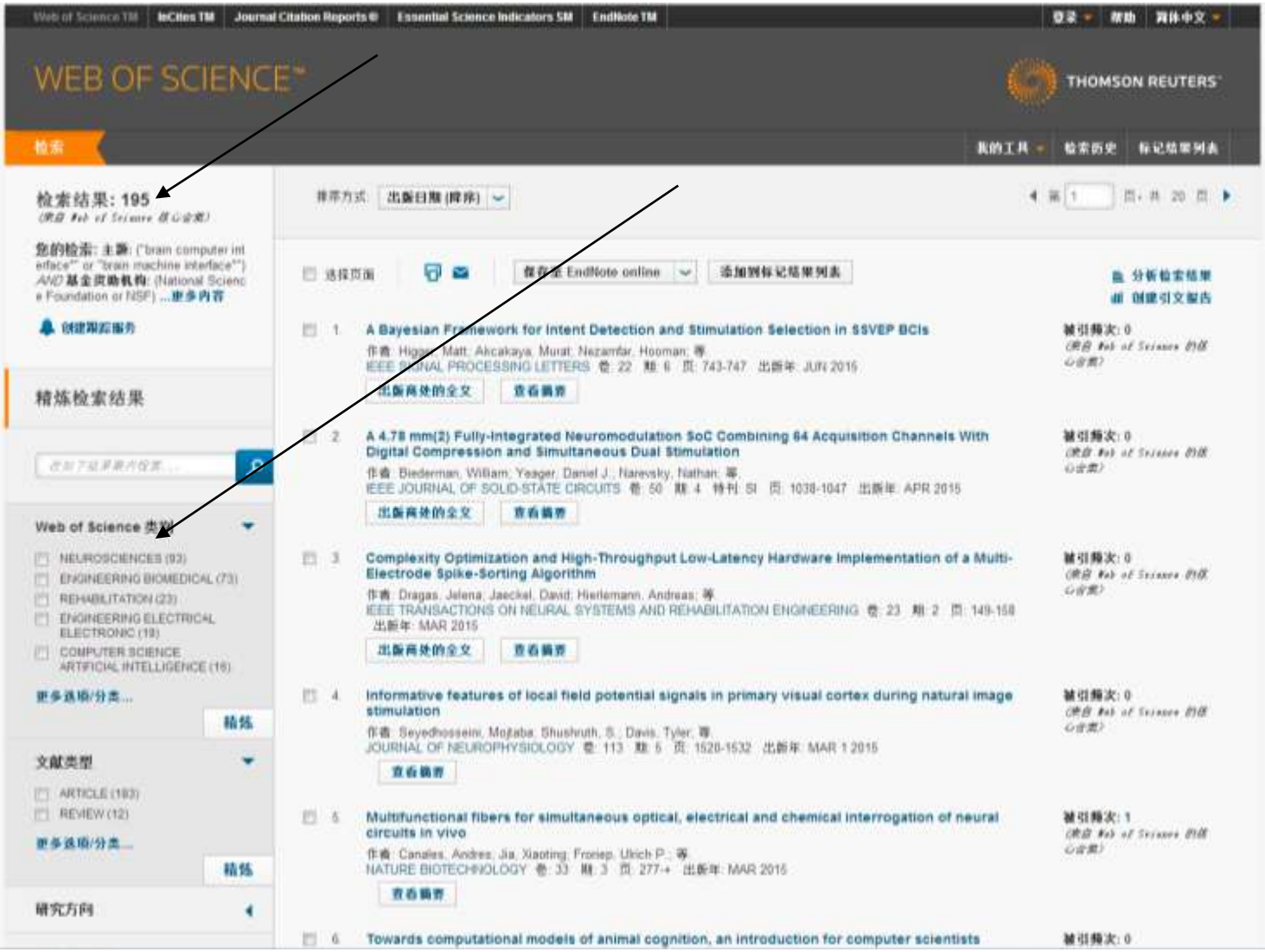
Field: PSYCHIATRY/PSYCHOLOGY

1 - 1 (of 1) Page 1 of 1

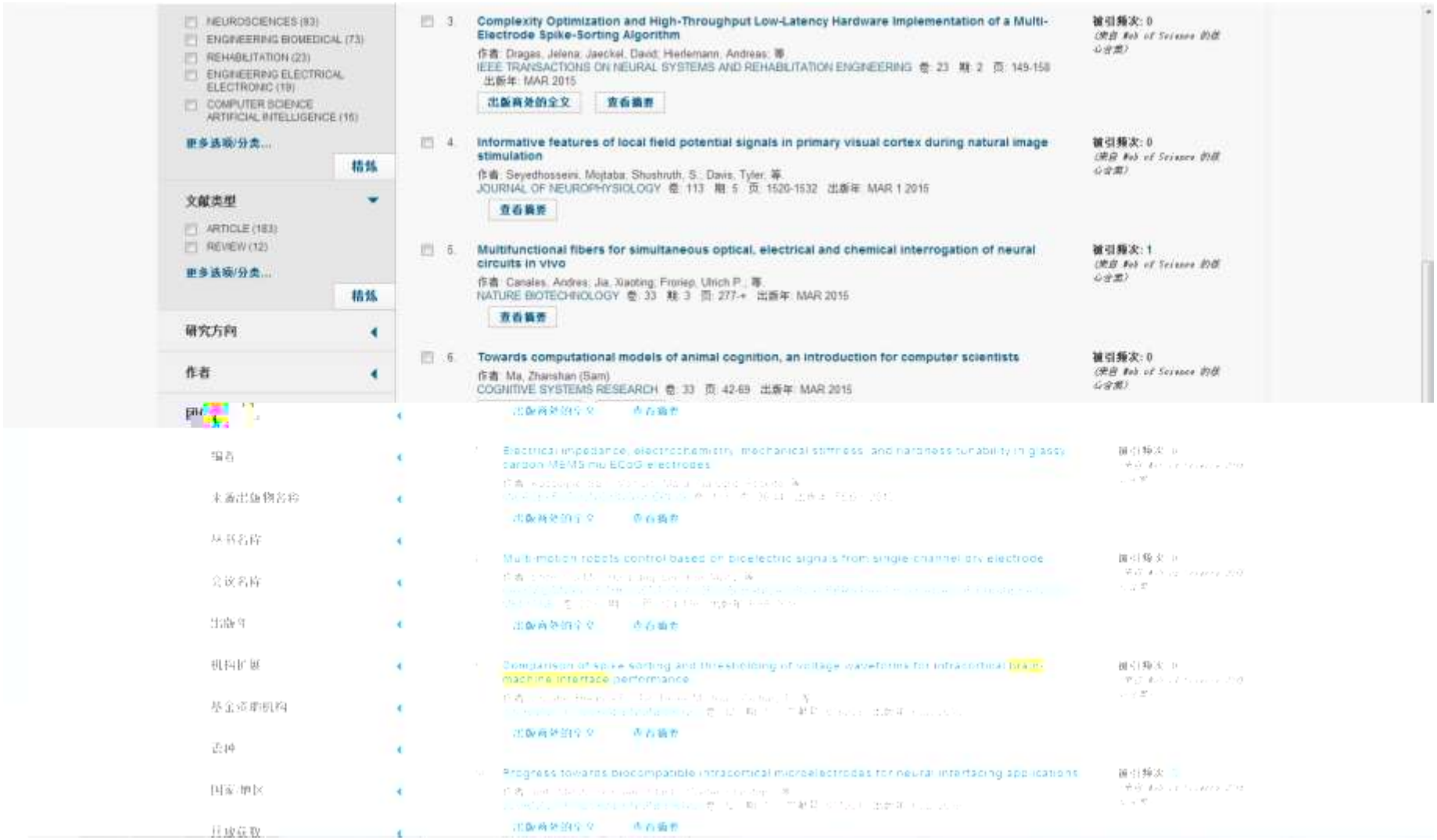
追踪脑机融合跨学科前沿——基金论文



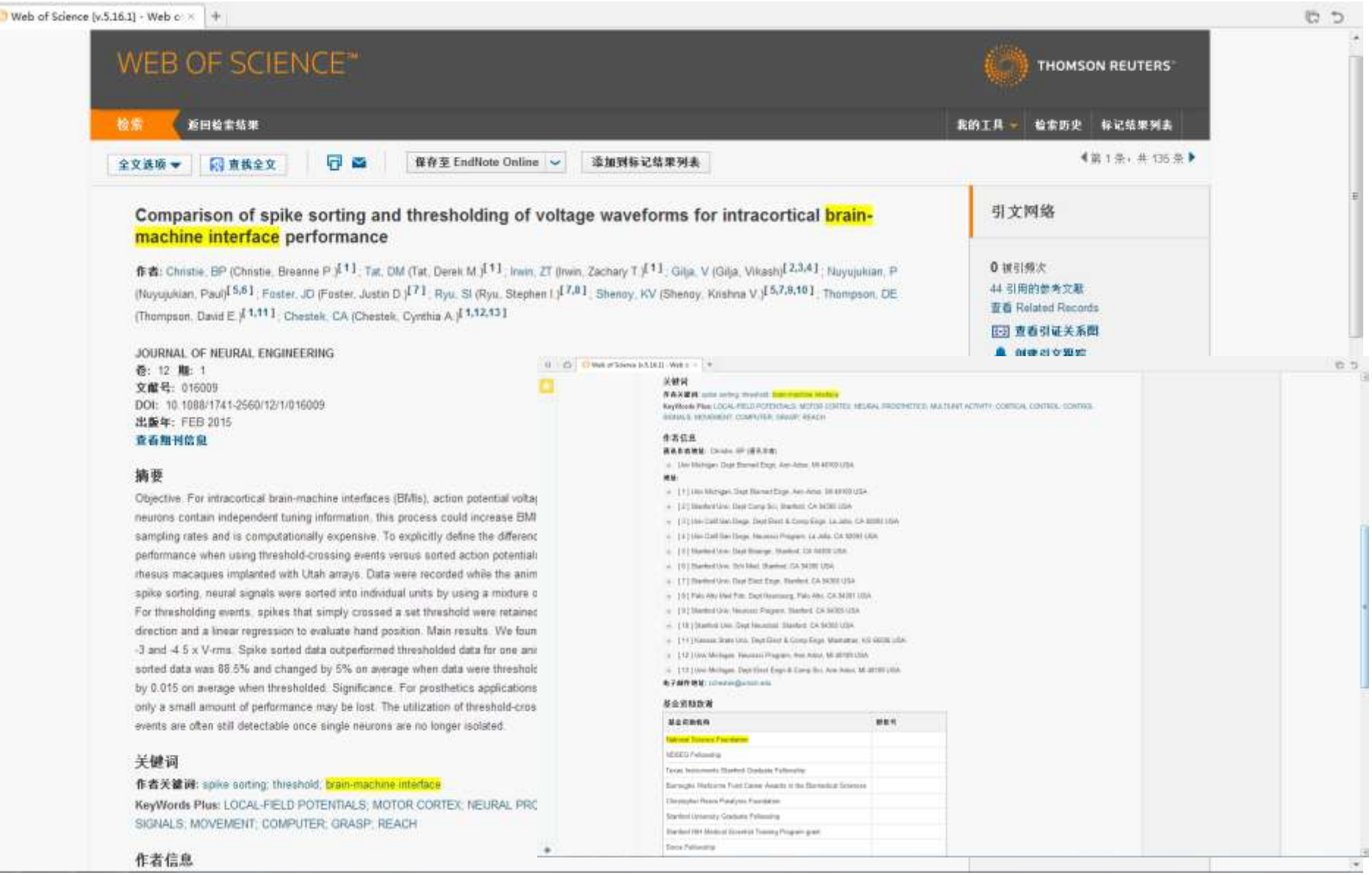
追踪脑机融合跨学科前沿——基金论文



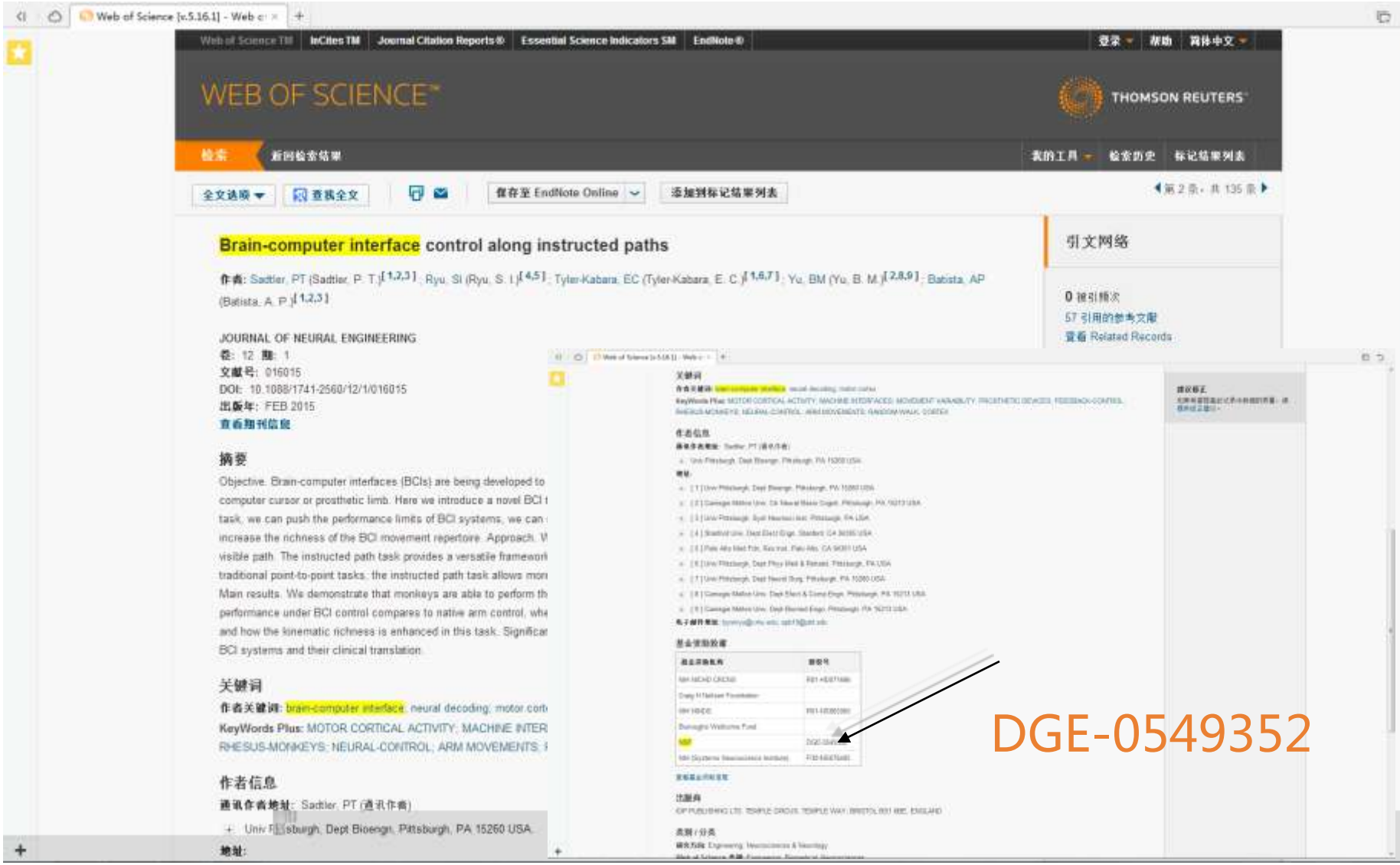
追踪脑机融合跨学科前沿——基金论文



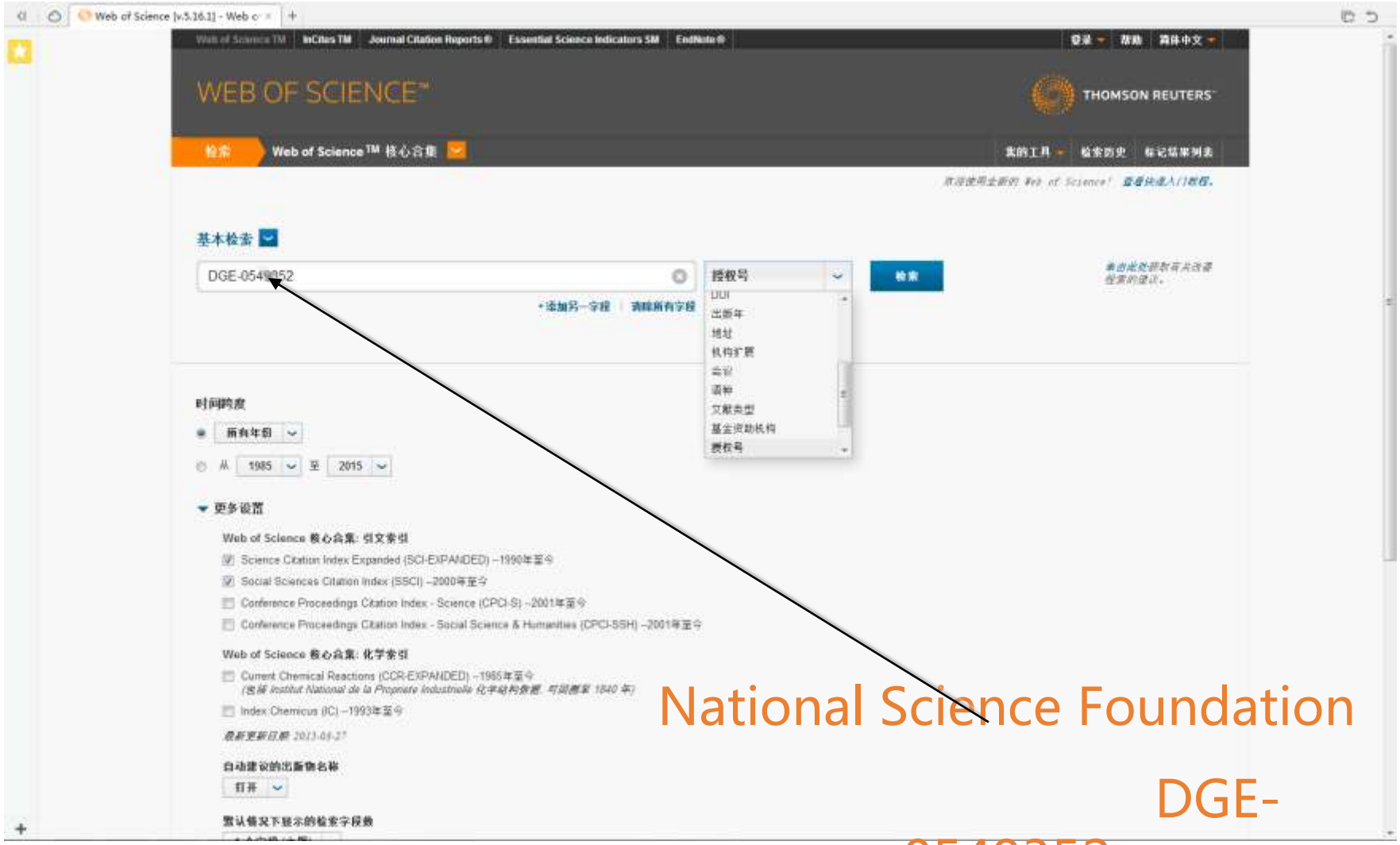
追踪脑机融合跨学科前沿——基金论文



追踪脑机融合跨学科前沿——基金论文



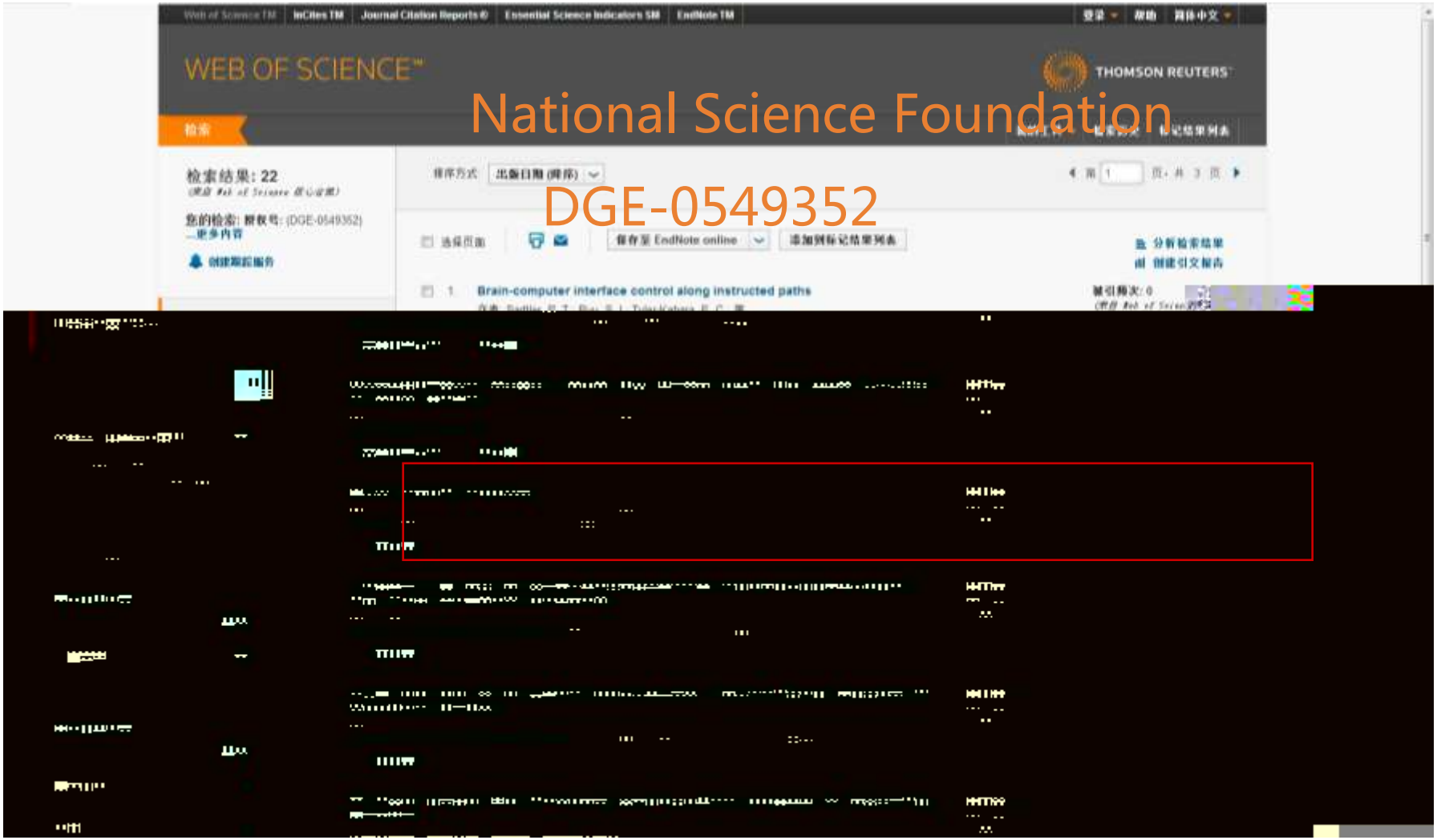
追踪脑机融合跨学科前沿——基金论文



National Science Foundation

DGE-0549352

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

追踪跨学科前沿——研究前沿

- **Research Fronts**

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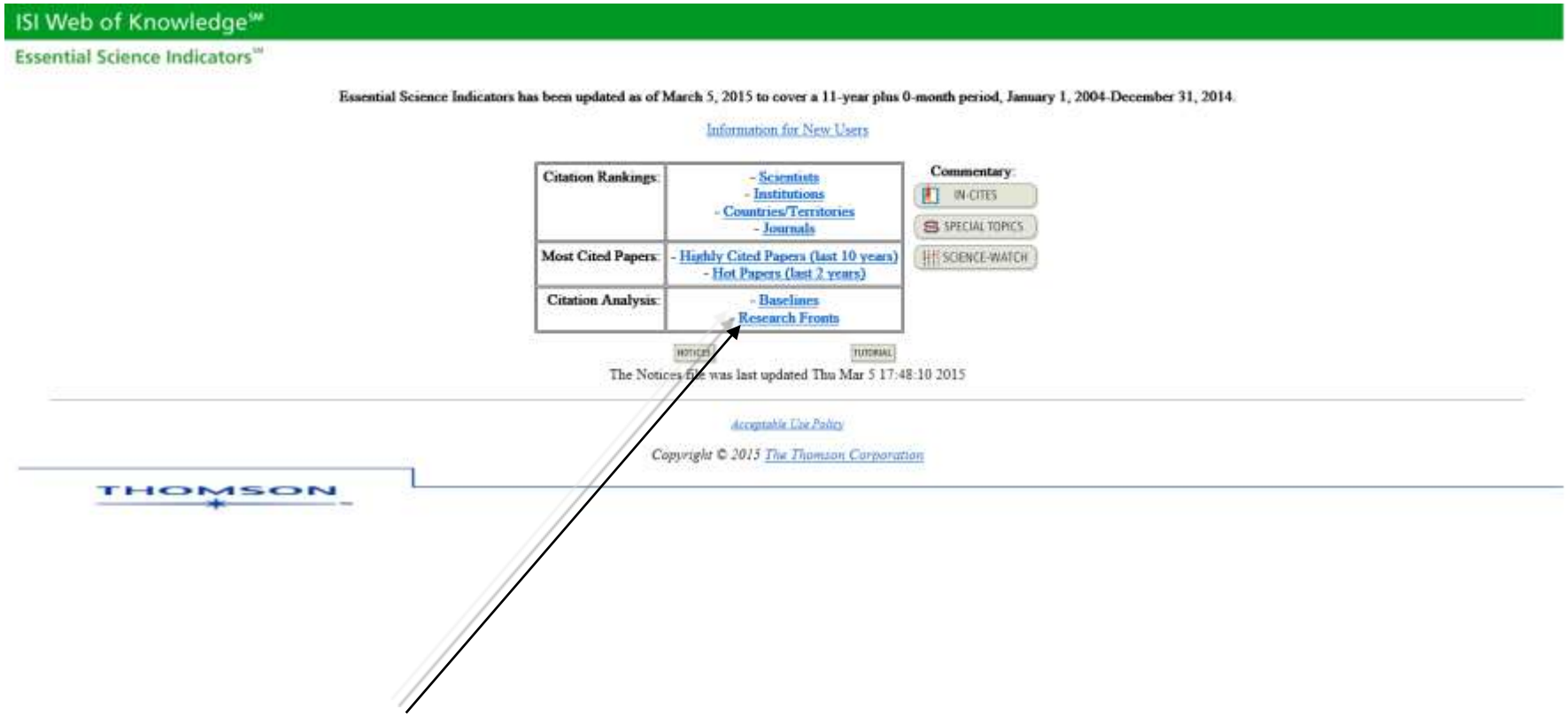
追踪学科前沿——研究前沿

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



Research Fronts

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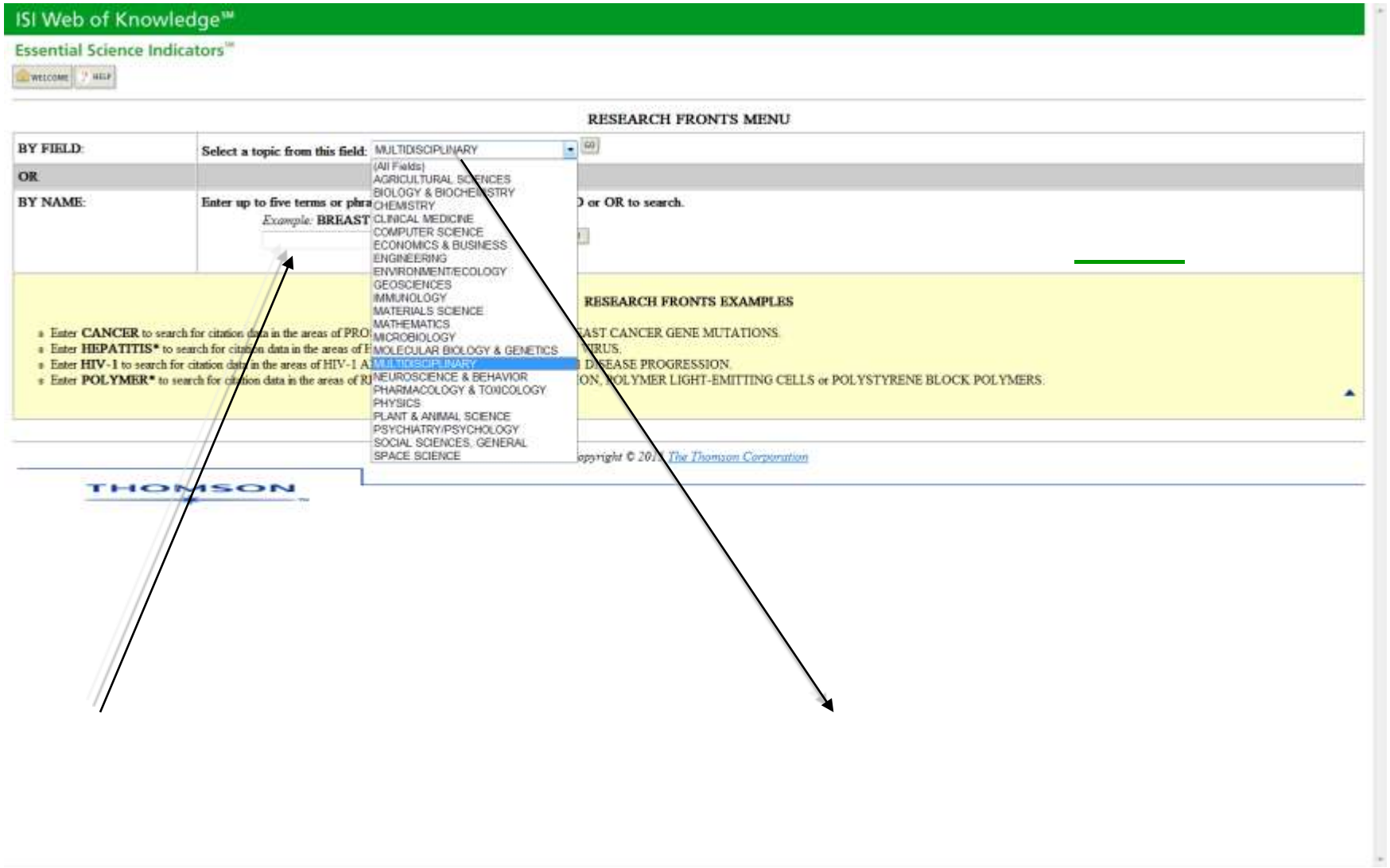

如何追踪跨学科学科前沿——研究前沿

Mean Year离当前年份越近越能表明该主题处于当前学科热点或研究前沿。即就是前沿课题研究兴起的时间点。

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RESEARCH FRONTS RANKINGS IN MULTIDISCIPLINARY

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1 - 20 (of 70) [1] 2 3 4 Page 1 of 4

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
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 GRASS BRACHYPODIUM DISTACHYON; SORGHUM BICOLOR GENOME; B73 MAIZE GENOME; GENOME SEQUENCING; BRACHYPODIUM TOOL BOX	4	2,277	569.25	2009.8
11		HEPATITIS C VIRUS RNA GENOME; HEPATITIS C VIRUS GENOME; CHRONIC HEPATITIS C VIRUS INFECTION; 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

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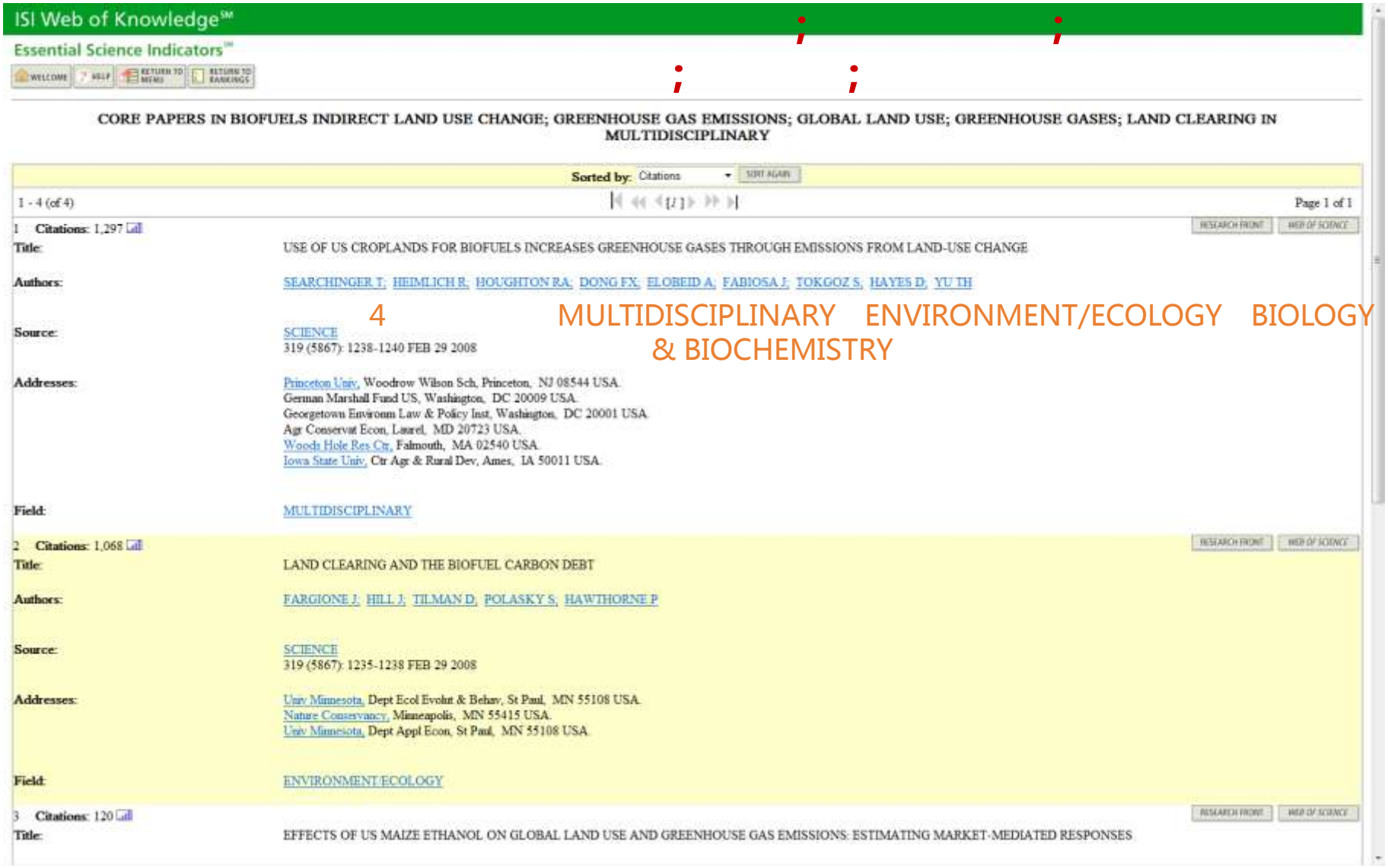

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CORE PAPERS IN BIOFUELS INDIRECT LAND USE CHANGE; GREENHOUSE GAS EMISSIONS; GLOBAL LAND USE; GREENHOUSE GASES; LAND CLEARING IN MULTIDISCIPLINARY

Sorted by: Citations | SORT AGAIN

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

1 **Citations**: 1,297 | RESEARCH FRONT | WEB OF SCIENCE

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

4 MULTIDISCIPLINARY ENVIRONMENT/ECOLOGY BIOLOGY & BIOCHEMISTRY

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

2 **Citations**: 1,068 | RESEARCH FRONT | WEB OF SCIENCE

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 | RESEARCH FRONT | WEB OF SCIENCE

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

RESEARCH FRONTS RANKINGS IN MULTIDISCIPLINARY

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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) [1] 2 [3] [4] Page 2 of 4

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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

Title: UNDERSTANDING INDIVIDUAL HUMAN MOBILITY PATTERNS

Authors: GONZALEZ MC; HIDALGO CA; BARABASI AL

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

Field: MULTIDISCIPLINARY

3 MULTIDISCIPLINARY PHYSICS

2 Citations: 247

Title: LIMITS OF PREDICTABILITY IN HUMAN MOBILITY

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

Title: MODELLING THE SCALING PROPERTIES OF HUMAN MOBILITY

如何追踪跨学科学科前沿——研究前沿

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RESEARCH FRONTS RANKINGS IN MULTIDISCIPLINARY

Sorted by: Citations SORT AGAIN

61 - 70 (of 70) [1 | 2 | 3 | 4] 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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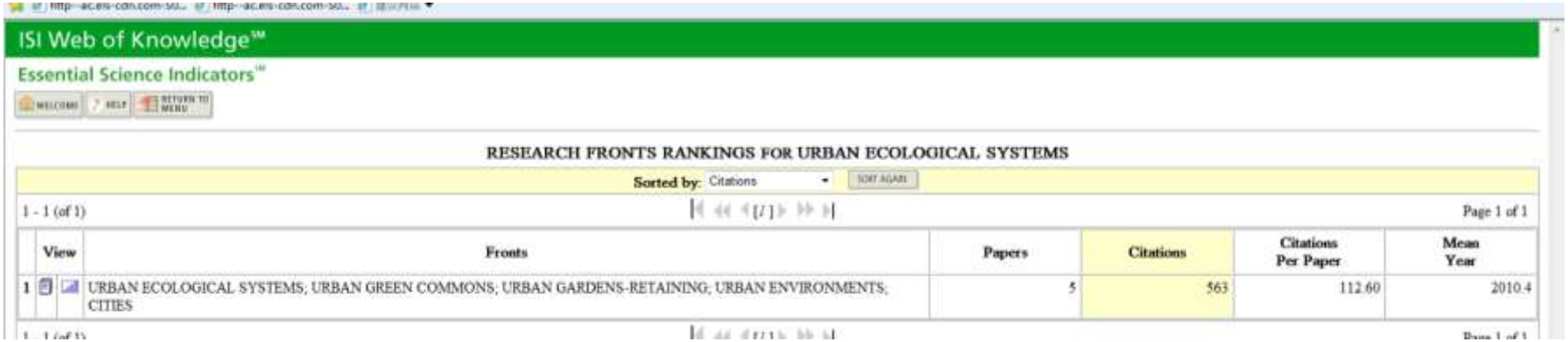

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RESEARCH FRONTS RANKINGS FOR URBAN ECOLOGICAL SYSTEMS

Sorted by: Citations | SORT AGAIN

1 - 1 (of 1) [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

Sorted by: Citations | SORT AGAIN

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

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RESEARCH FRONTS RANKINGS FOR FRESHWATER BIODIVERSITY CONSERVATION

Sorted by: Citations

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

1 - 1 (of 1)　　Page 1 of 1

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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
	CLIMATE CHANGE				

FACEBOOK　　；FACEBOOK　　FACEBOOK　　；FACEBOOK

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RESEARCH FRONTS RANKINGS FOR FACEBOOK ACTIVITIES

Sorted by: Citations

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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RESEARCH FRONTS RANKINGS FOR EATING BEHAVIOR

Sorted by: Citations | SORT AGAIN

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

View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
	[illegible] EATING	4	522	130.50	2007.5

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

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RESEARCH FRONTS RANKINGS FOR FINE PARTICLE AIR POLLUTION

Sorted by: Citations | SORT AGAIN

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

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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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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
		RADICALLY AFFECTS LARVAL SURVIVAL; NEAR-FUTURE OCEAN ACIDIFICATION; CO2-DRIVEN OCEAN ACIDIFICATION; CO2-INDUCED OCEAN ACIDIFICATION				

- 1 (of 1) | Page 1 of 1

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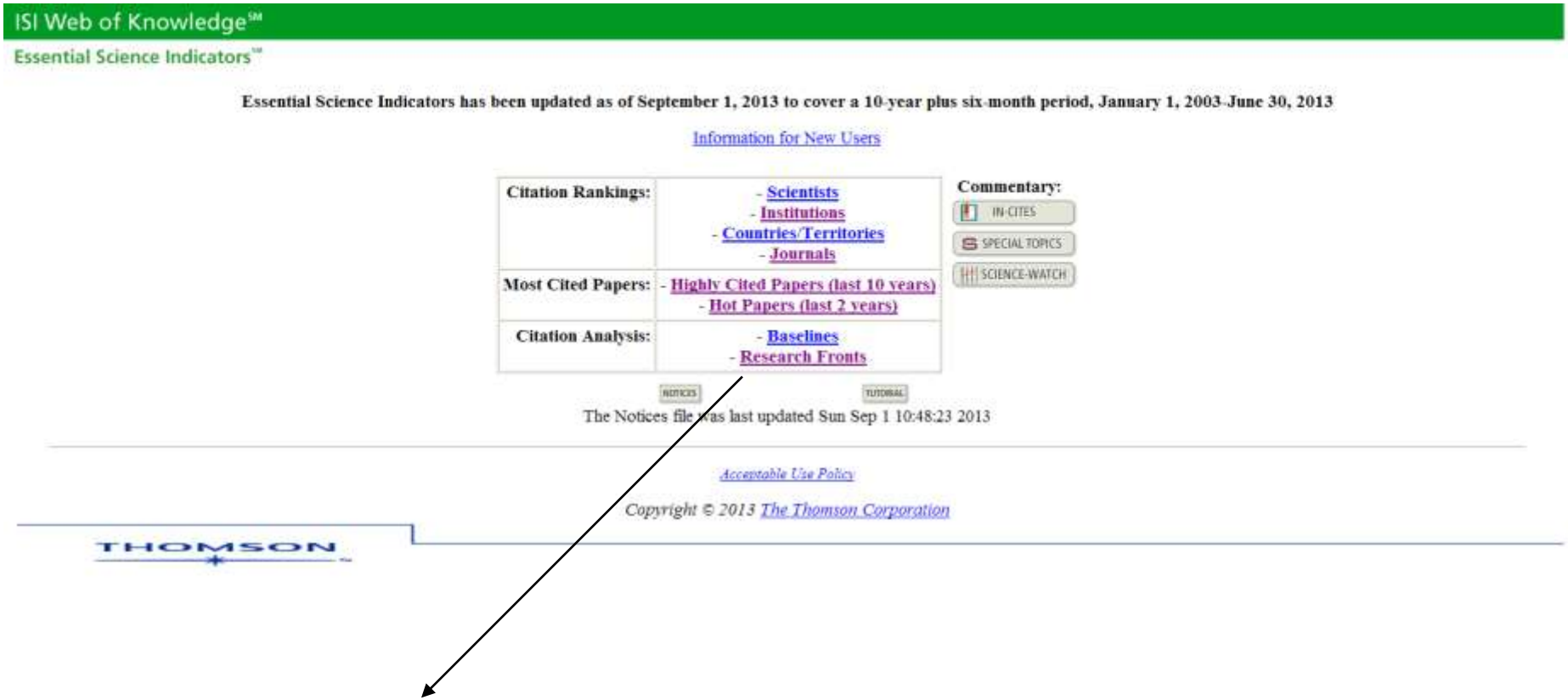
RESEARCH FRONTS RANKINGS FOR REDUCING AGRICULTURAL WATER USE

Sorted by: Citations | SORT AGAIN

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

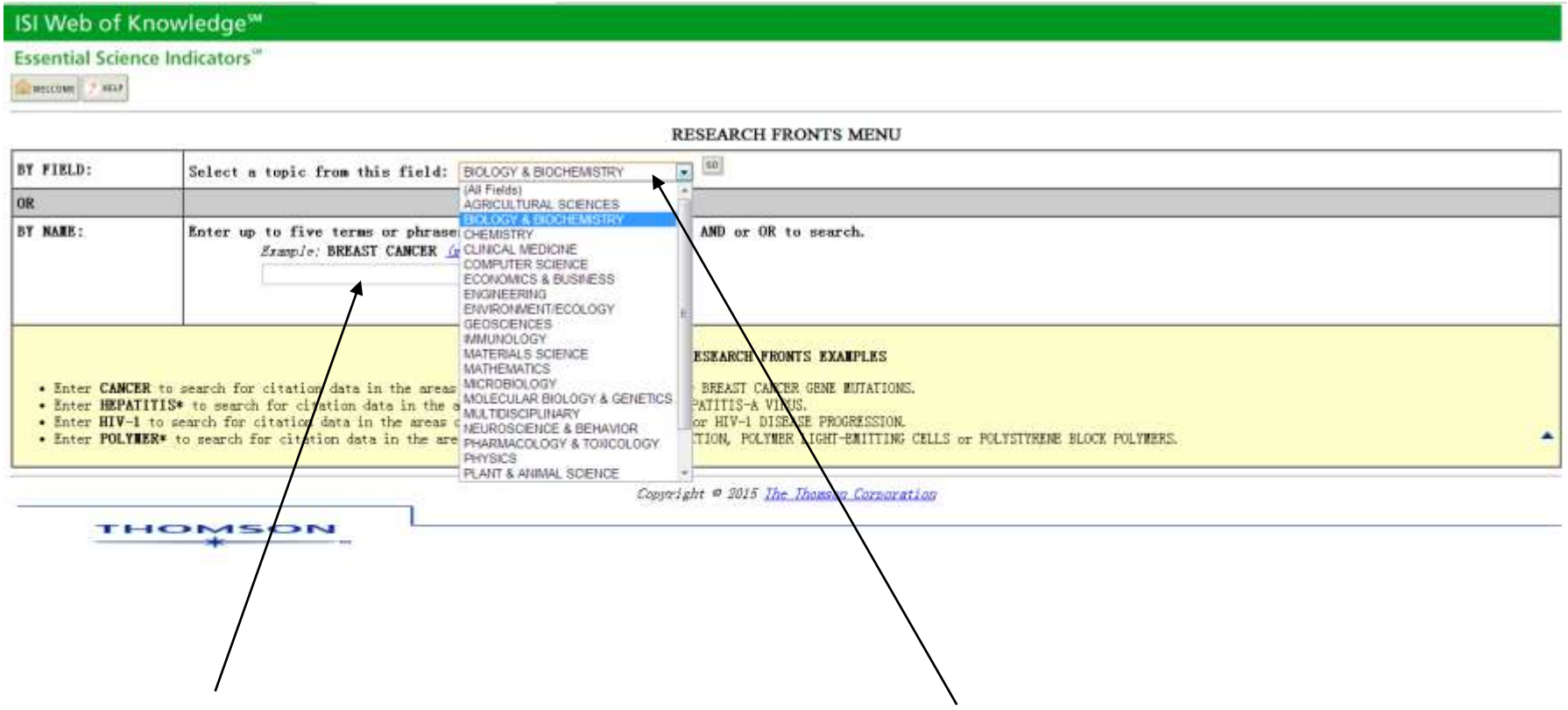
	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		MAXIMIZE CROP WATER PRODUCTIVITY; AQUACROP-THE FAO CROP MODEL; AGRICULTURAL WATER PRODUCTIVITY; BIOMASS WATER PRODUCTIVITY; REDUCING AGRICULTURAL WATER USE	8	654	81.75	2008.8

追踪生物学与生物化学跨学科前沿——研究前沿



Research Fronts

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

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WELCOME | HELP | RETURN TO MENU

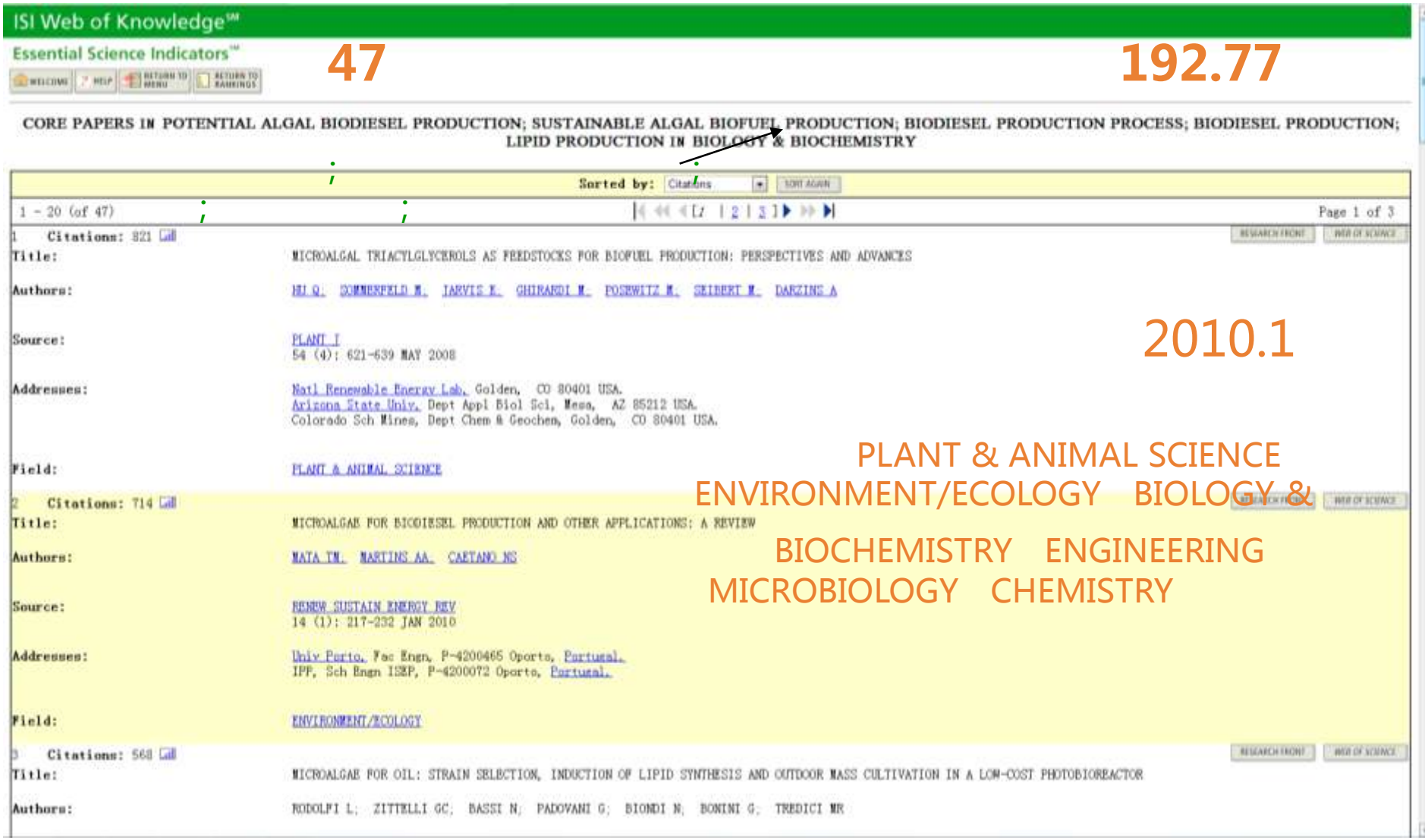
RESEARCH FRONTS RANKINGS IN BIOLOGY & BIOCHEMISTRY

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	12,104	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 RNA-SEQ ASSEMBLY; NOVO SHORT READ ASSEMBLY; NOVO TRANSCRIPTOME ASSEMBLY; SHORT READ SEQUENCE DATA; NOVO 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-MODIFIED 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 TRULY REPRESENTS BROWN ADIPOSE TISSUE; HUMAN BROWN ADIPOSE TISSUE; METABOLICALLY ACTIVE BROWN ADIPOSE TISSUE; BROWN ADIPOSE TISSUE 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



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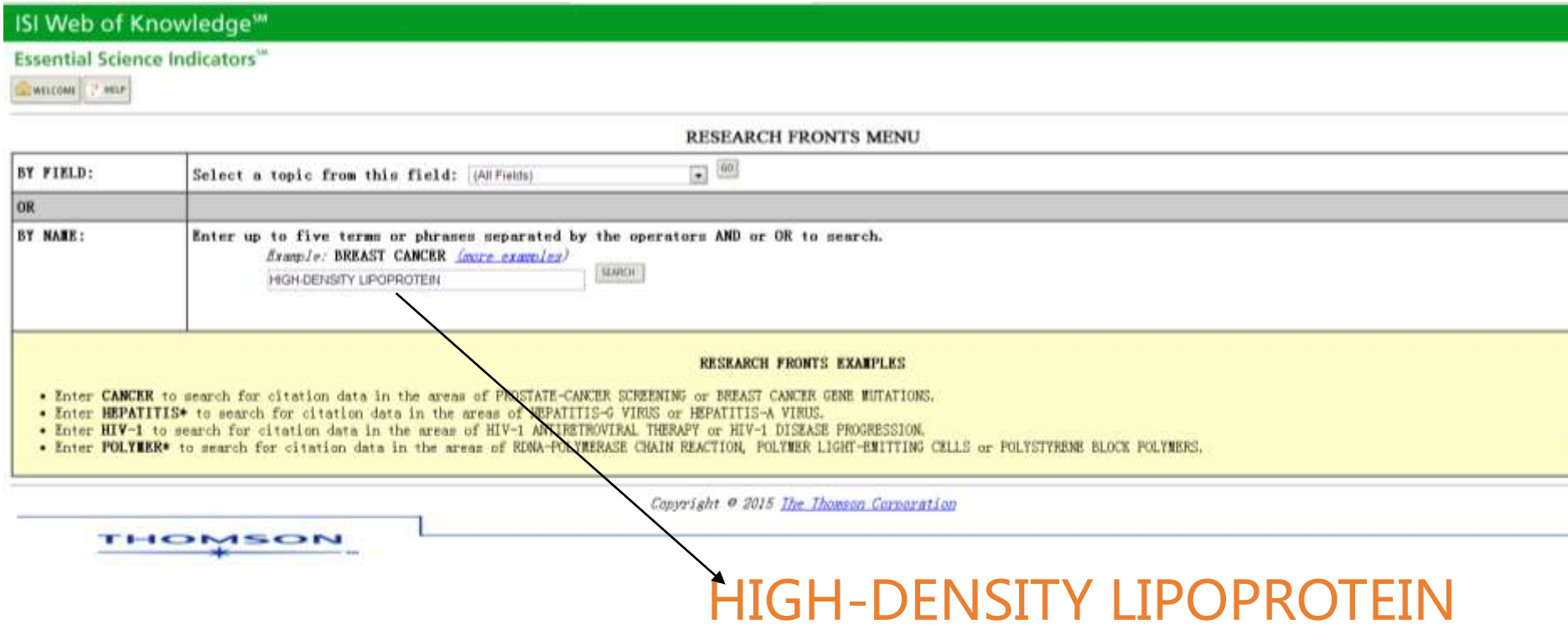

HIGH-DENSITY LIPOPROTEIN

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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

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CORE PAPERS IN HIGH-DENSITY LIPOPROTEIN VASCULAR PROTECTIVE EFFECTS; HIGH-DENSITY LIPOPROTEIN CHOLESTEROL LEVELS; SIMILAR HIGH-DENSITY LIPOPROTEIN CHOLESTEROL; HIGH-DENSITY LIPOPROTEIN CHOLESTEROL; HIGH-DENSITY LIPOPROTEIN FUNCTION
Sorted by: Citations
1 - 20 (of 48)
Page 1 of 3
1 Citations: 670
Title: EFFECTS OF COMBINATION LIPID THERAPY IN TYPE 2 DIABETES MELLITUS
Authors: GINSBERG HN, ELAM MB, LOVATO LC, CROUSE JR, LEITER LA, LINZ P, FRIEDEWALD WT, BUSE JB, GERSTEIN HC, PROBSTFIELD J, GRIMM RH, ISMAIL-BEIGI F, BIGGER JT, GOFF DC, CUSHMAN WC, SIMONS-MORTON DG, BYINGTON RP
Source: N ENGL J MED
362 (17): 1563-1574 APR 29 2010
Addresses: Columbia Univ Coll Phys & Surg, Dept Med, New York, NY 10032 USA.
Memphis Vet Affairs Med Ctr, Memphis, TN USA.
Wake Forest Univ, Sch Med, Dept Publ Hlth Sci, Winston Salem, NC 27109 USA.
Wake Forest Univ, Sch Med, Prevent Cardiol Program, Winston Salem, NC 27109 USA.
Univ Toronto, Toronto, ON, Canada.
USN, Med Ctr, San Diego, CA 92152 USA.
Columbia Univ, Mailman Sch Publ Hlth, Dept Biostat, New York, NY USA.
Columbia Univ, Mailman Sch Publ Hlth, Dept Epidemiol, New York, NY USA.
Univ N Carolina, Sch Med, Div Endocrinol, Chapel Hill, NC USA.
McMaster Univ, Dept Med, Hamilton, ON, Canada.
McMaster Univ, Populat Hlth Res Inst, Hamilton, ON, Canada.
UNIV WASHINGTON, SEATTLE, WA 98195 USA.
Berman Ctr Outcomes & Clin Res, Minneapolis, MN USA.
Case Western Reserve Univ, Dept Med, Cleveland, OH 44106 USA.
Case Western Reserve Univ, Dept Physiol & Biophys, Cleveland, OH 44106 USA.
Columbia Univ Coll Phys & Surg, Div Cardiol, New York, NY 10032 USA.
NHLBI, Bethesda, MD 20892 USA.
Field: CLINICAL MEDICINE
2 Citations: 620
Title: SIMVASTATIN WITH OR WITHOUT
Authors: KASTELEIN JJP, AKDIM F, STROES ESG, ZWINDERMAN AH, BOTS ML, STALENHOEF AFH, VISSEREN FLJ, SIJBRANDS EJG, TRIP MD, STEIN EA, GAUDET D, DUIVENVOORDEN R, VELTRI EP, MARAIS AD, DE GROOT E
48
161.04
2011.2
CLINICAL MEDICINE PHARMACOLOGY & TOXICOLOGY IMMUNOLOGY MOLECULAR BIOLOGY & GENETICS

如何追踪经济学与商学学科前沿——研究前沿

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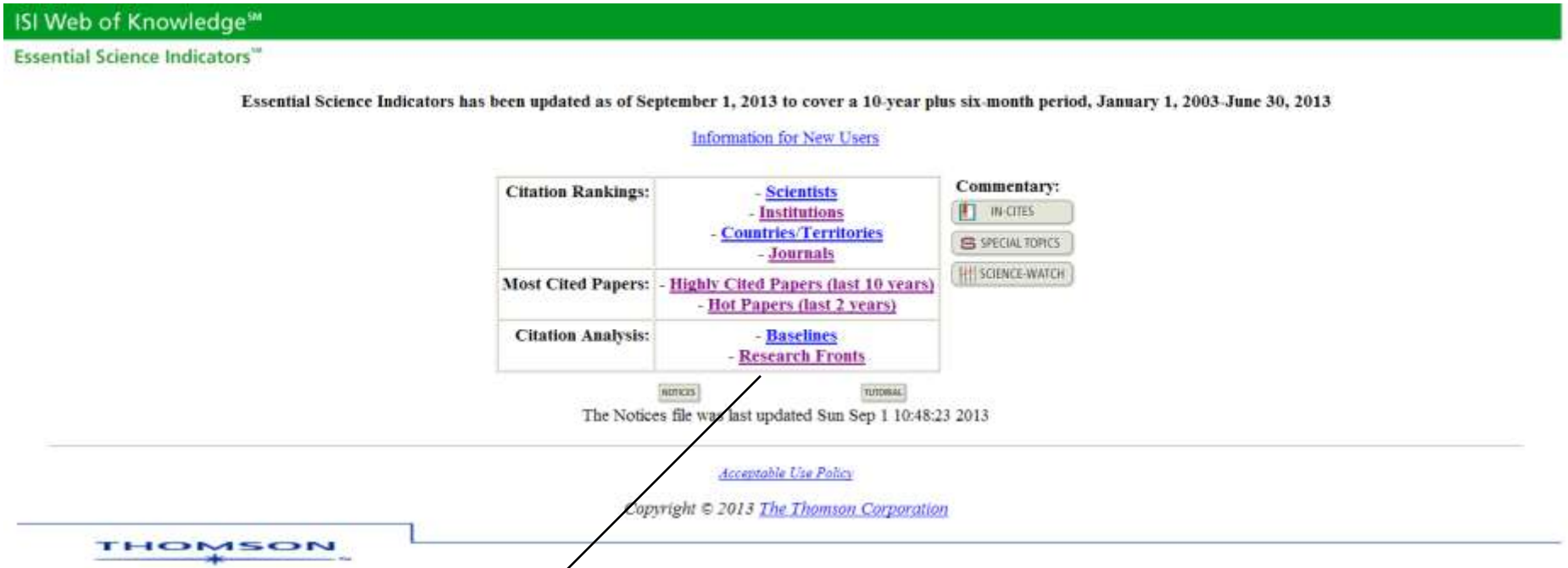

Research Fronts

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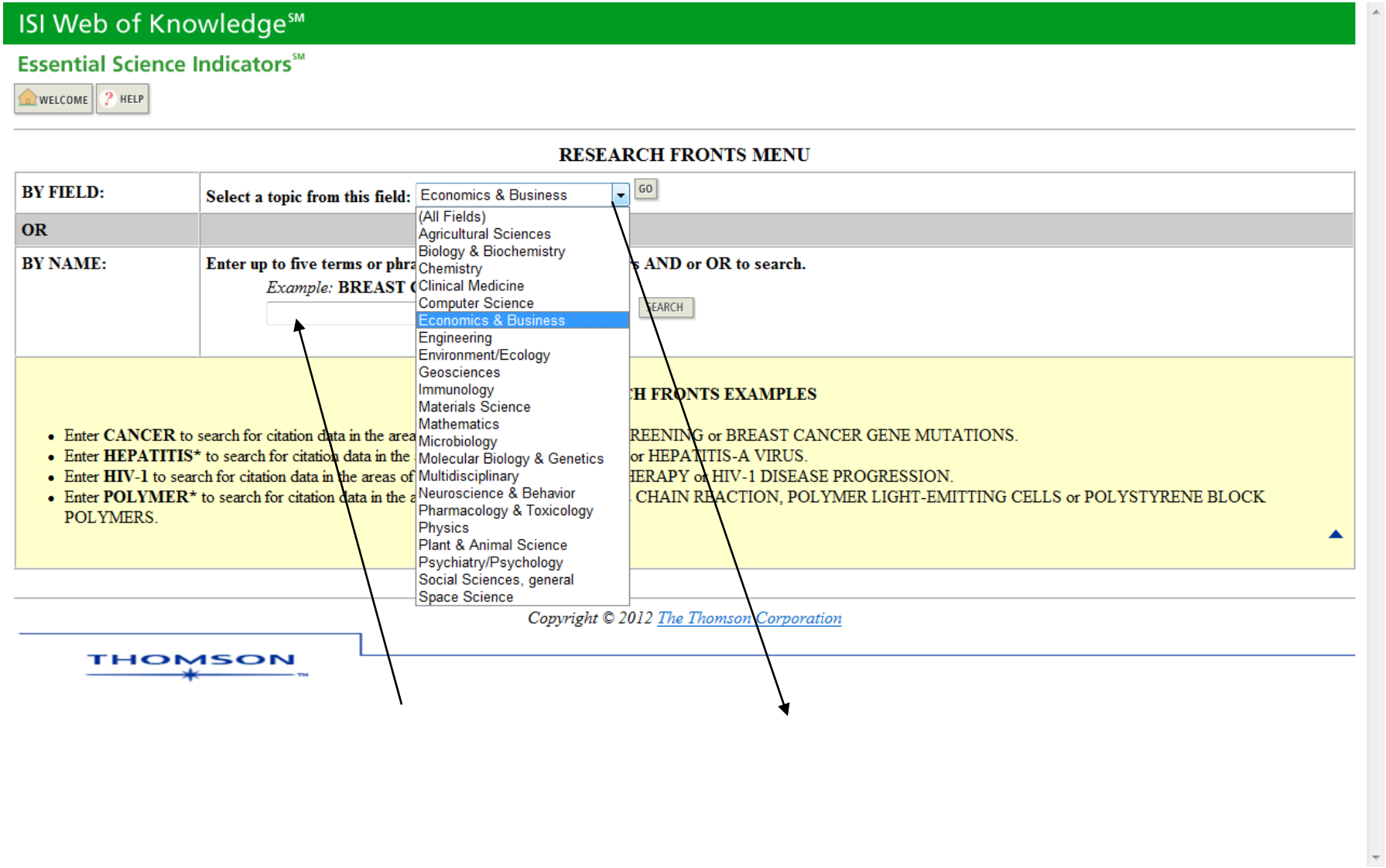

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RESEARCH FRONTS RANKINGS IN ECONOMICS & BUSINESS

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

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	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	2,567	62.61	2011.2
5		ENERGY CONSUMPTION NEXUS; RENEWABLE ENERGY CONSUMPTION; ENERGY CONSUMPTION EFFECTIVE; ENERGY CONSUMPTION; ECONOMIC GROWTH NEXUS	38	2,356	62.00	2010.2

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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): 834-852 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.

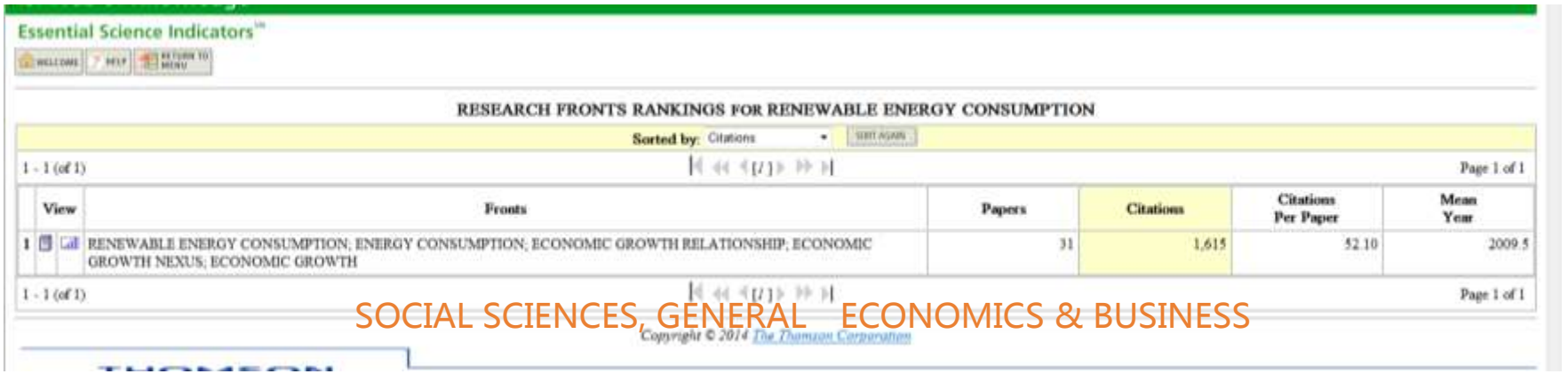
Field: ECONOMICS & BUSINESS

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



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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

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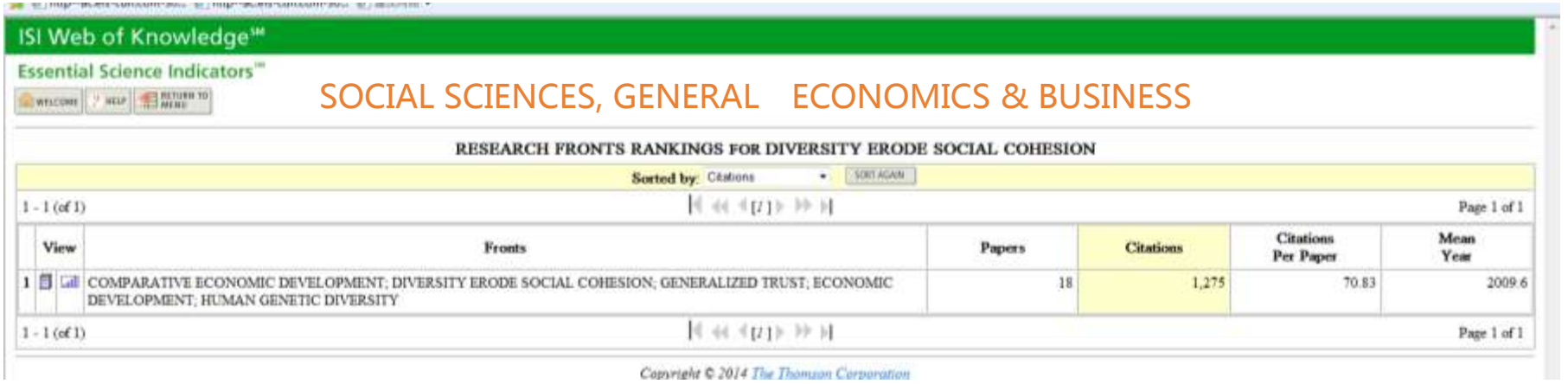
SOCIAL SCIENCES, GENERAL ECONOMICS & BUSINESS



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SOCIAL SCIENCES, GENERAL ECONOMICS & BUSINESS

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

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RESEARCH FRONTS RANKINGS IN ECONOMICS & BUSINESS

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

	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; MATERIAL 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

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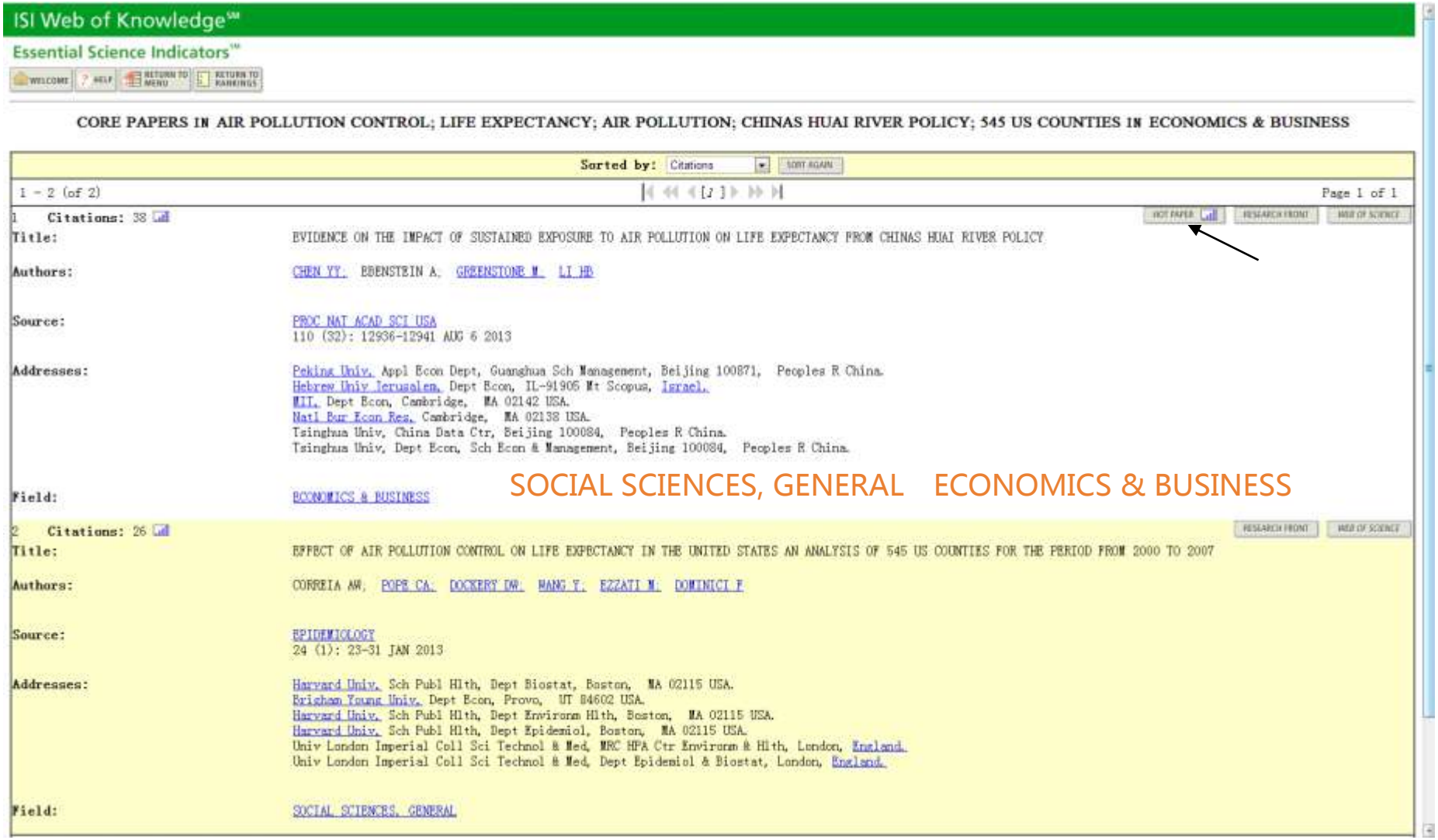

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CORE PAPERS IN AIR POLLUTION CONTROL; LIFE EXPECTANCY; AIR POLLUTION; CHINAS HUAI RIVER POLICY; 545 US COUNTIES IN ECONOMICS & BUSINESS

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

SOCIAL SCIENCES, GENERAL 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

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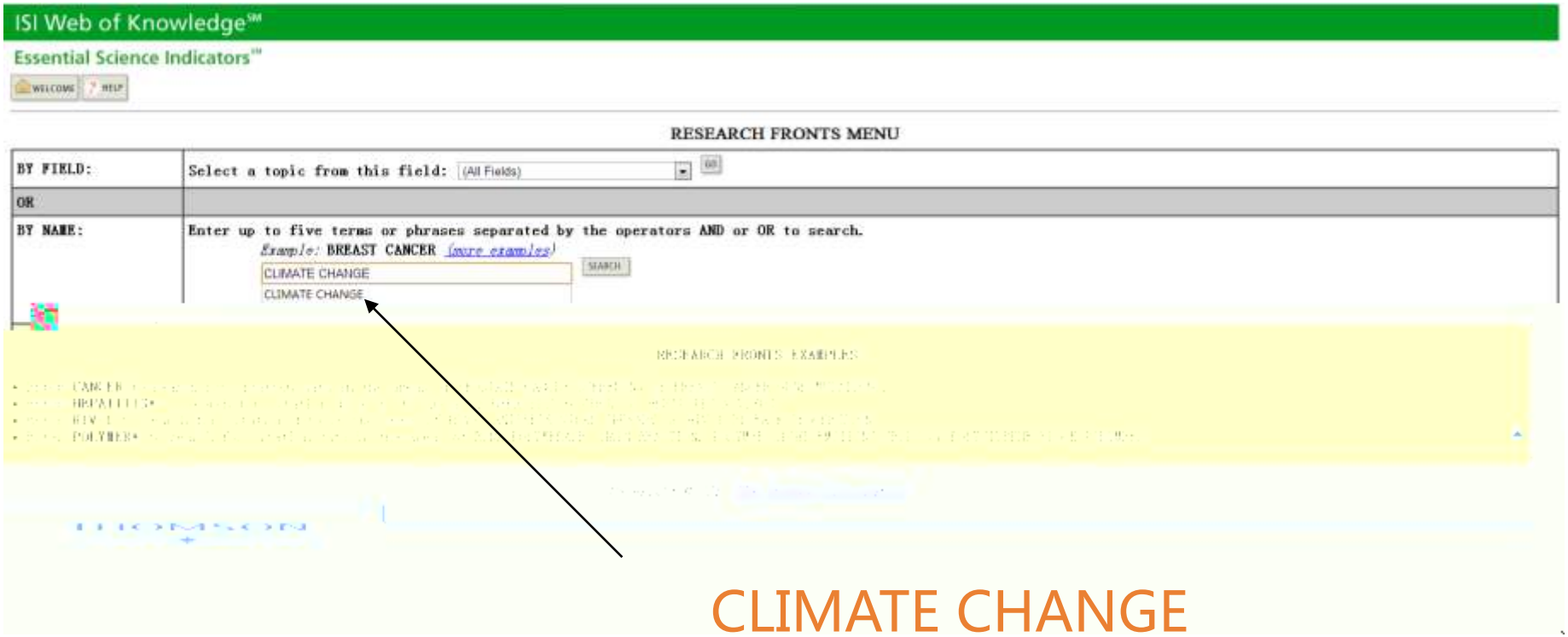

CLIMATE CHANGE

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RESEARCH FRONTS RANKINGS FOR CLIMATE CHANGE

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1 - 20 (of 86) [1] 2 3 4 5 Page 1 of 5

	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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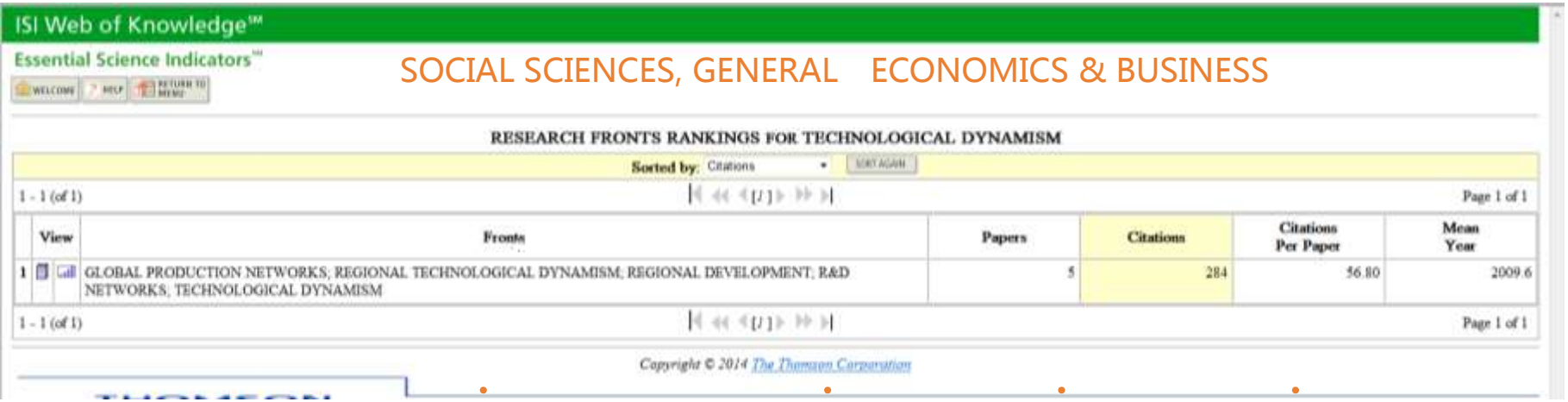

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RESEARCH FRONTS RANKINGS FOR GREEN SUPPLY CHAIN

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 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

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

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RESEARCH FRONTS RANKINGS FOR GLOBAL SUPPLY CHAIN RISK MANAGEMENT

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1 - 1 (of 1) [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

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

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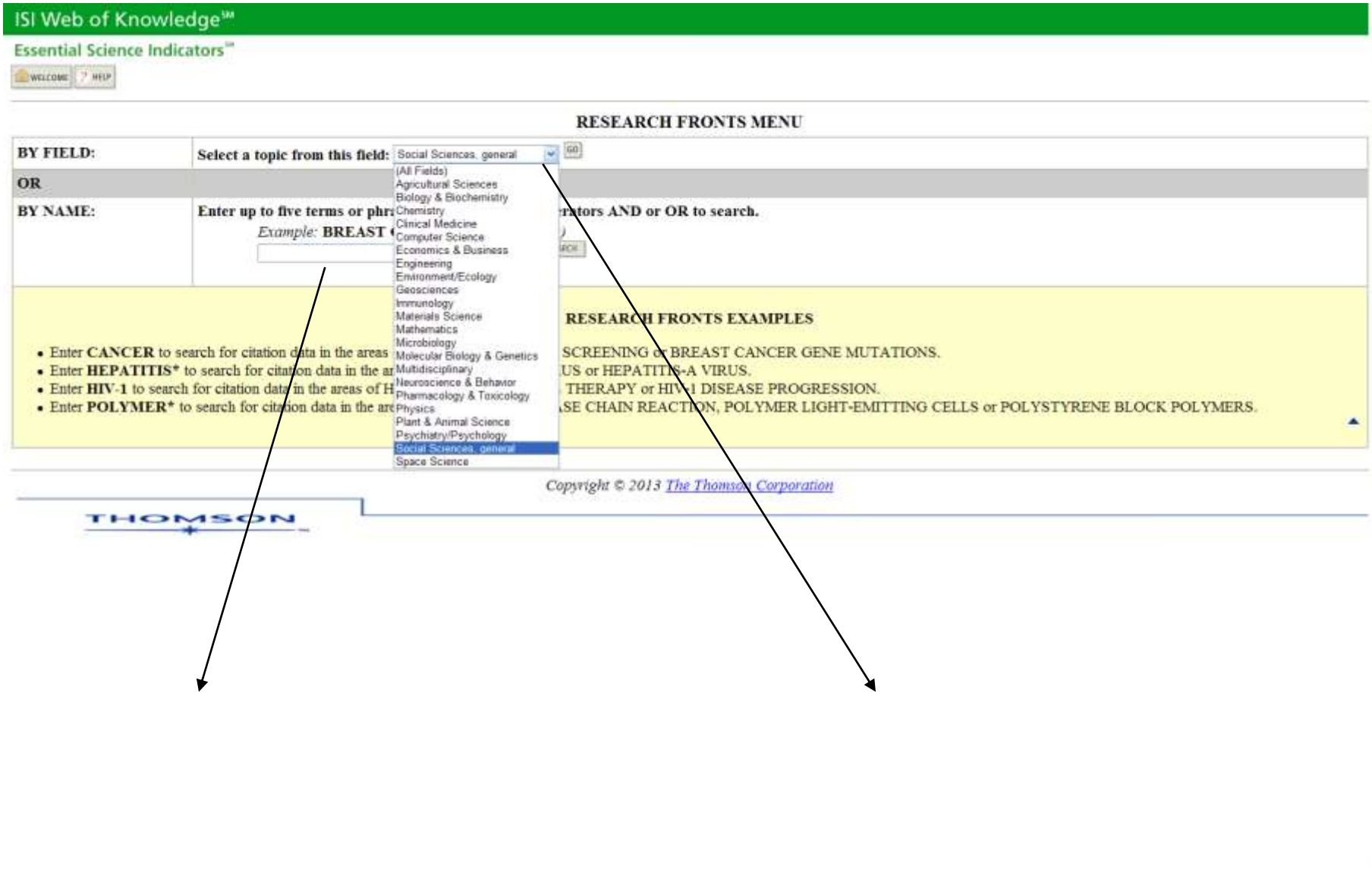

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RESEARCH FRONTS RANKINGS IN SOCIAL SCIENCES, GENERAL

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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	46	5,596	116.58	2011.1
		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
		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
		TESTING INDIRECT EFFECTS; COMPARING INDIRECT EFFECTS; MULTIPLE MEDIATOR MODELS; COMPLEX MODELS; RESAMPLING STRATEGIES	3	4,756	1585.33	2008.7
		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
		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
		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
		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
		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
		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
		KIDNEY DISEASE POPULATION COHORTS; CHRONIC KIDNEY DISEASE; KIDNEY DISEASE; ADVERSE KIDNEY OUTCOMES; END-STAGE RENAL DISEASE	18	2,983	165.72	2010.8
		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
		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

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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U.S. Department of Agriculture
National Institute of Food and Agriculture
AFRI Program Office
1400 Independence Avenue, SW
Stop 2299
Washington, District of Columbia
20250-2201
Phone: +1 (202) 401-5022
AFRI@nifa.usda.gov
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USDA
National Institute of Food and Agriculture (NIFA)
NIFA Agriculture and Food Research Initiative (AFRI)
AFRI Childhood Obesity Prevention Challenge Area

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$5,000,000USD

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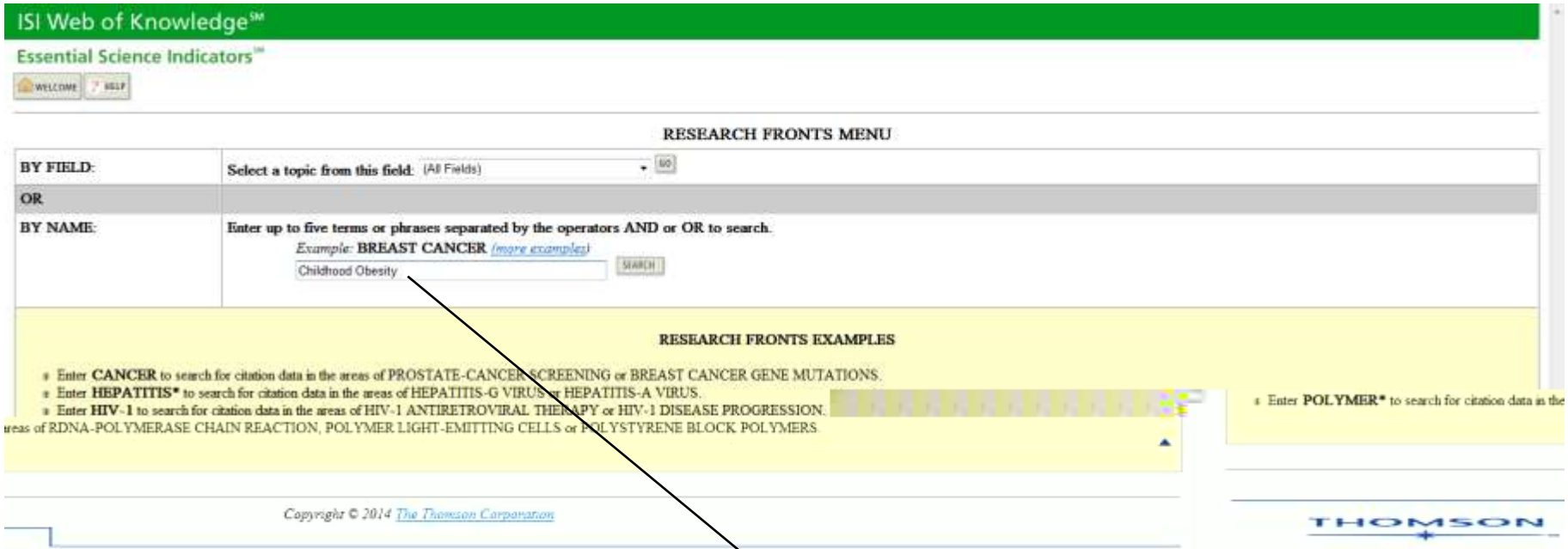

Childhood Obesity

148

2

1. Incidence of Childhood Obesity in the United States

作者: Cunningham, Solveig A.; Kramer, Michael R.; Narayan, K. M. Venkat

NEW ENGLAND JOURNAL OF MEDICINE 卷: 370 期: 5 页: 403-411 出版年: JAN 30 2014

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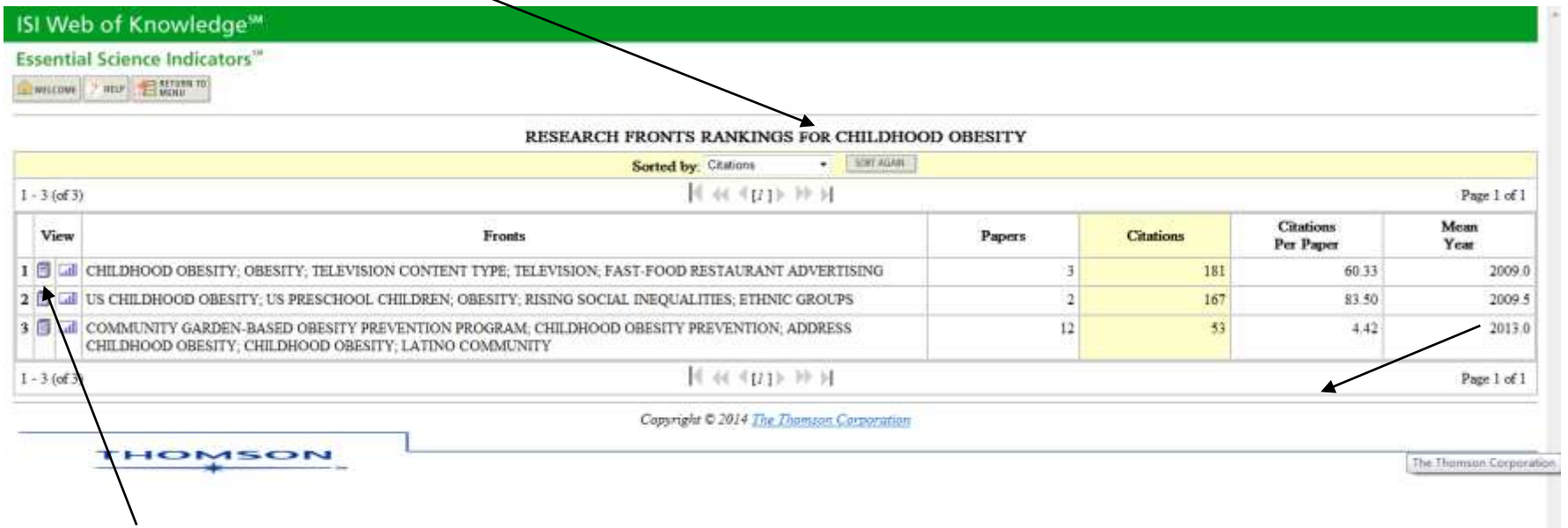

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RESEARCH FRONTS RANKINGS FOR CHILDHOOD OBESITY

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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

1 - 3 (of 3) Page 1 of 1

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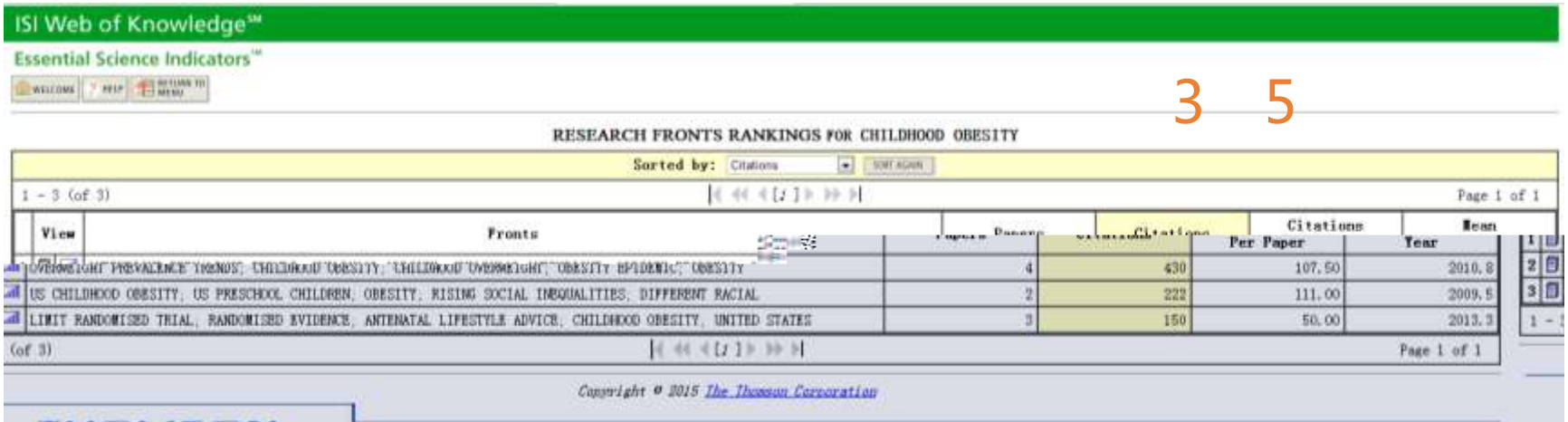

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1 - 3 (of 3) Page 1 of 1

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

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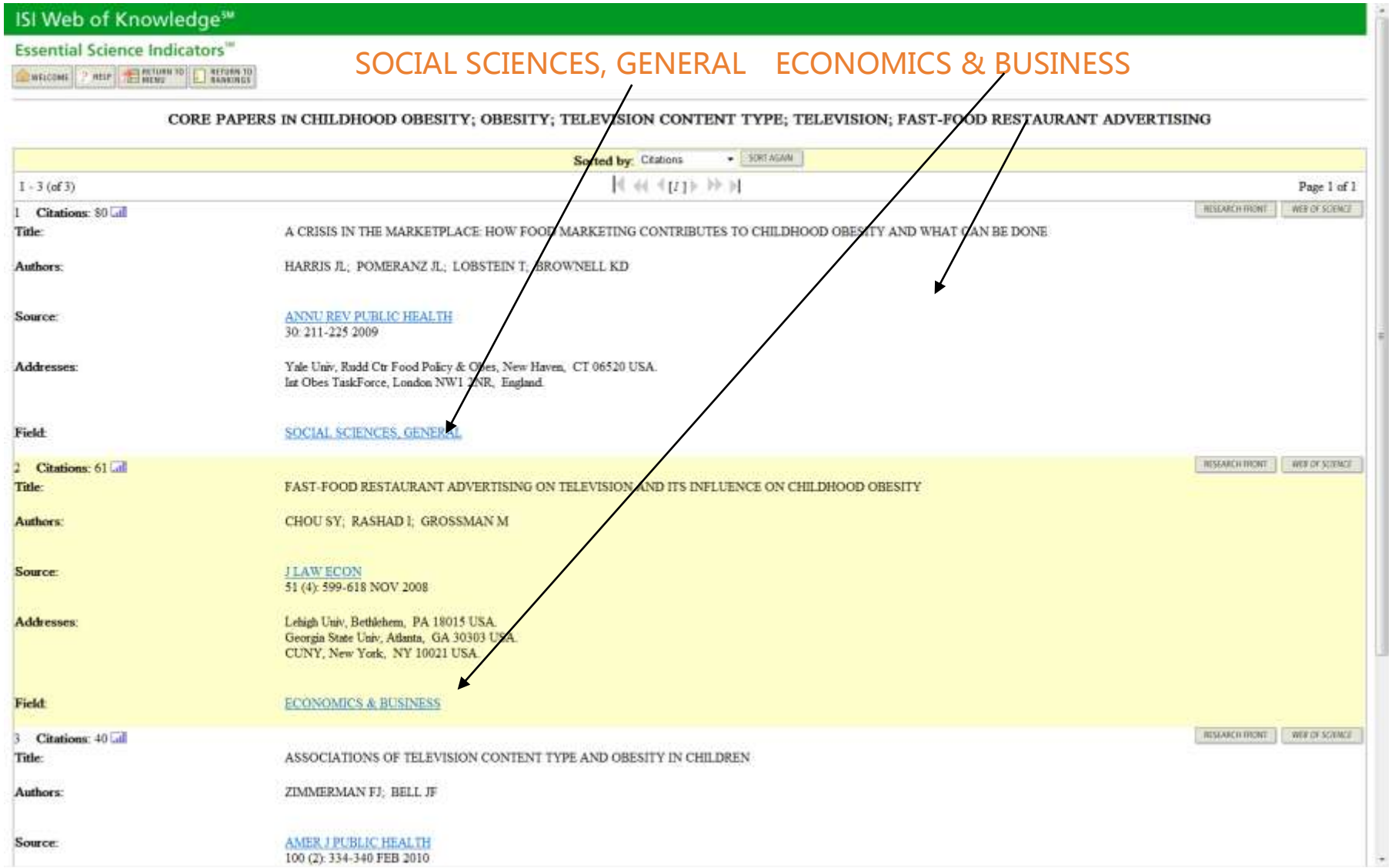

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RESEARCH FRONTS RANKINGS FOR CHILDHOOD OBESITY

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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

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

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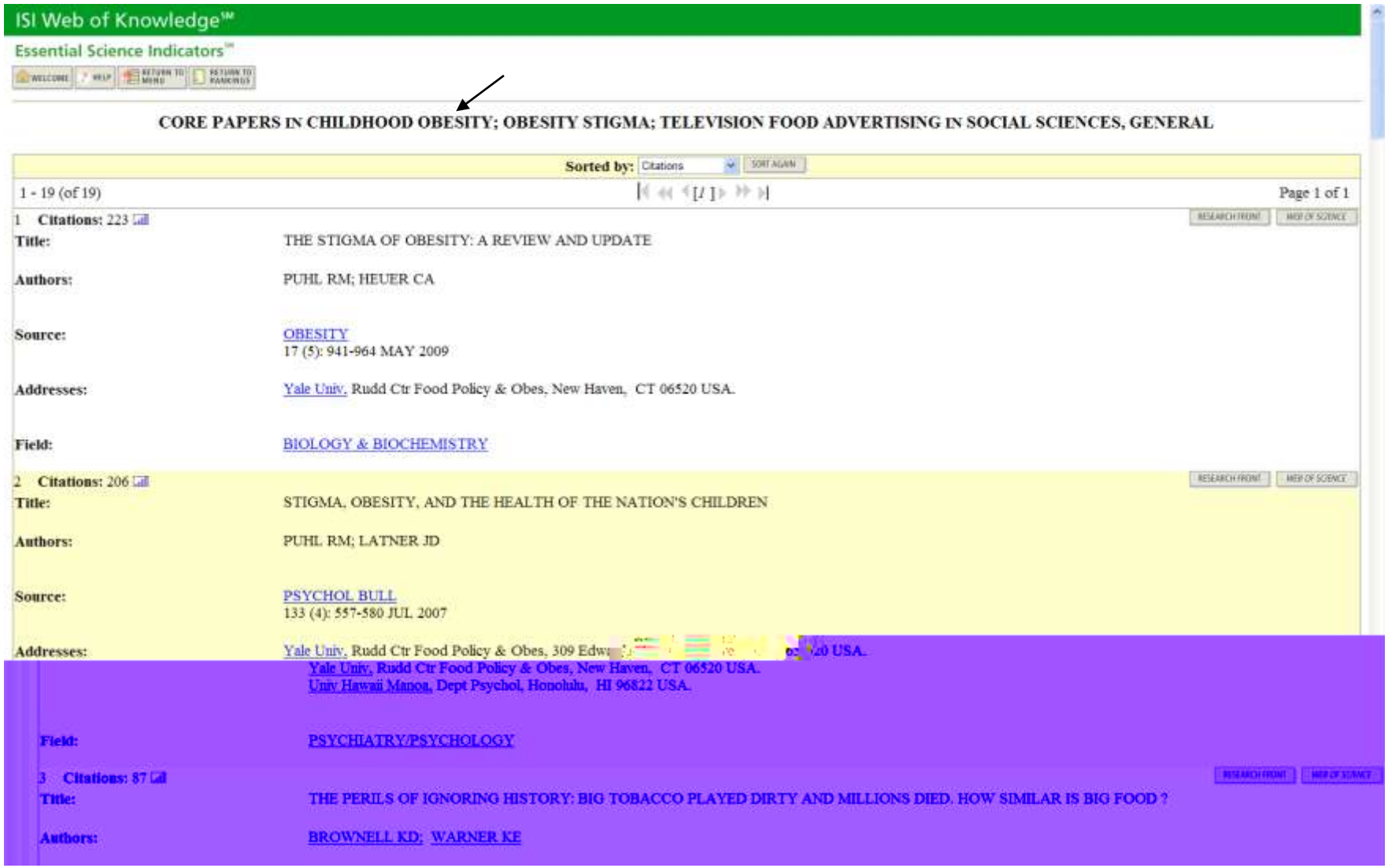

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CORE PAPERS IN CHILDHOOD OBESITY; OBESITY STIGMA; TELEVISION FOOD ADVERTISING IN SOCIAL SCIENCES, GENERAL

Sorted by: Citations | SORT AGAIN

1 - 19 (of 19) [1] Page 1 of 1

1 **Citations:** 223 | RESEARCH FRONT | WEB OF SCIENCE

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 | RESEARCH FRONT | WEB OF SCIENCE

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 Edw... ...20 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 | RESEARCH FRONT | WEB OF SCIENCE

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**
-

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RESEARCH FRONTS RANKINGS FOR PALLIATIVE CARE CONSULTATION TEAMS CUT HOSPITAL COSTS

Sorted by: Citations | SORT AGAIN

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

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		PALLIATIVE CARE CONSULTATION TEAMS CUT HOSPITAL COSTS; US HOSPITAL PALLIATIVE CARE CONSULTATION PROGRAMS; EARLY PALLIATIVE CARE; PALLIATIVE CARE INTERVENTION; PALLIATIVE CARE	27	3,092	114.52	2010.8

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

SOCIAL SCIENCES, GENERAL CLINICAL MEDICINE

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SOCIAL SCIENCES, GENERAL CLINICAL MEDICINE AGRICULTURAL SCIENCES

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RESEARCH FRONTS RANKINGS FOR REDUCING OLDER ADULTS SEDENTARY TIME

Sorted by: Citations | SORT AGAIN

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

SOCIAL SCIENCES, GENERAL CLINICAL MEDICINE

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		REDUCING OLDER ADULTS SEDENTARY TIME; ADULTS SEDENTARY TIME; OBJECTIVELY MEASURED SEDENTARY TIME; ADULTS SEDENTARY BEHAVIOR DETERMINANTS; SEDENTARY TIME	36	4,813	133.69	2010.7

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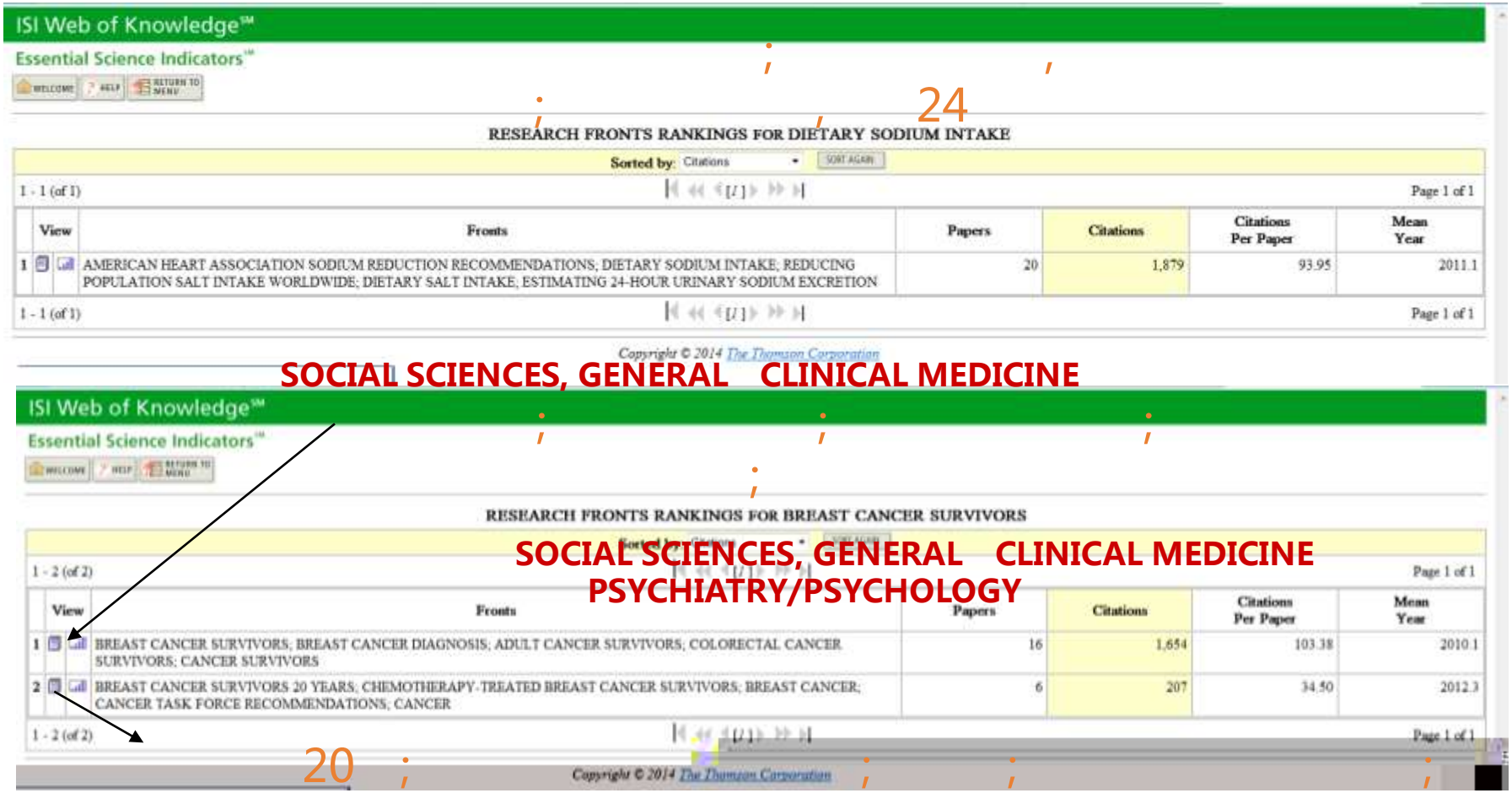

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RESEARCH FRONTS RANKINGS FOR DIETARY SODIUM INTAKE

24

Sorted by: Citations

1 - 1 (of 1) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		AMERICAN HEART ASSOCIATION SODIUM REDUCTION RECOMMENDATIONS; DIETARY SODIUM INTAKE; REDUCING POPULATION SALT INTAKE WORLDWIDE; DIETARY SALT INTAKE; ESTIMATING 24-HOUR URINARY SODIUM EXCRETION	20	1,879	93.95	2011.1

1 - 1 (of 1) Page 1 of 1

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RESEARCH FRONTS RANKINGS FOR BREAST CANCER SURVIVORS

SOCIAL SCIENCES, GENERAL CLINICAL MEDICINE
PSYCHIATRY/PSYCHOLOGY

1 - 2 (of 2) Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		BREAST CANCER SURVIVORS; BREAST CANCER DIAGNOSIS; ADULT CANCER SURVIVORS; COLORECTAL CANCER SURVIVORS; CANCER SURVIVORS	16	1,654	103.38	2010.1
2		BREAST CANCER SURVIVORS 20 YEARS; CHEMOTHERAPY-TREATED BREAST CANCER SURVIVORS; BREAST CANCER; CANCER TASK FORCE RECOMMENDATIONS; CANCER	6	207	34.50	2012.3

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RESEARCH FRONTS RANKINGS FOR SOCIAL MEDIA;

Sorted by: Citations | SORT AGAIN

1 - 3 (of 3) [1] Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		SOCIAL MEDIA TECHNOLOGY; SOCIAL MEDIA; NEWS MEDIA ENABLE ESTIMATION; TWITTER MOOD; TWITTER POWER	16	442	27.62	2011.2
2		SOCIAL MEDIA; NEW HYBRID ELEMENT; FUNCTIONAL BUILDING BLOCKS; PROMOTION MIX; CHALLENGES	3	270	90.00	2010.0
3		GOVERNMENT SOCIAL MEDIA USAGE; SOCIAL MEDIA; ANTI-CORRUPTION TOOLS; POLICES; CHALLENGES	2	41	20.50	2011.0

1 - 3 (of 3) [1] Page 1 of 1

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RESEARCH FRONTS RANKINGS FOR NEWS MEDIA ENABLE ESTIMATION

Sorted by: Citations | SORT AGAIN

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

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		SOCIAL MEDIA TECHNOLOGY; SOCIAL MEDIA; NEWS MEDIA ENABLE ESTIMATION; TWITTER MOOD; TWITTER POWER	16	442	27.62	2011.2

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

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CORE PAPERS IN SOCIAL MEDIA TECHNOLOGY; SOCIAL MEDIA; NEWS MEDIA ENABLE ESTIMATION; TWITTER MOOD; TWITTER POWER

Sorted by: Citations | SORT AGAIN

1 - 16 (of 16) | [1] | Page 1 of 1

1 Citations: 64 | RESEARCH FRONT | WEB OF SCIENCE

Title: TWITTER POWER: TWEETS AS ELECTRONIC WORD OF MOUTH

Authors: JANSEN BJ; ZHANG MM; SOBEL K; CHOWDURY A

Source: J AM SOC INF SCI TECHNOL
60 (11): 2169-2188 NOV 2009

Addresses: Penn State Univ, Coll Informat Sci & Technol, University Pk, PA 18802 USA.
Penn State Univ, Smeal Coll Business Adm, University Pk, PA 18802 USA.
Twitter Inc, San Francisco, CA 94107 USA.

Field: SOCIAL SCIENCES, GENERAL

16 27.62

2 Citations: 60 | RESEARCH FRONT | WEB OF SCIENCE

Title: TWITTER MOOD PREDICTS THE STOCK MARKET

Authors: BOLLEN J; MAO HN; ZENG XJ

Source: J COMPUT SCI
2 (1): 1-8 MAR 2011

Addresses: Indiana Univ, Sch Informat & Comp, Bloomington, IN 47408 USA.
Univ Manchester, Sch Comp Sci, Manchester M13 9PL, Lancs, England.
Indiana Univ, Sch Informat & Comp, 919 E 10th St, Bloomington, IN 47408 USA.

Field: COMPUTER SCIENCE

2011.2

3 Citations: 42 | RESEARCH FRONT | WEB OF SCIENCE

Title: THE USE OF TWITTER TO TRACK LEVELS OF DISEASE ACTIVITY AND PUBLIC CONCERN IN THE US DURING THE INFLUENZA A H1N1 PANDEMIC

Authors: SIGNORINI A; SEGRE AM; POLGREEN PM

Source: PLOS ONE

COMPUTER SCIENCE　CLINICAL MEDICINE　PSYCHIATRY/PSYCHOLOGY　SOCIAL SCIENCES, GENERAL

反腐败

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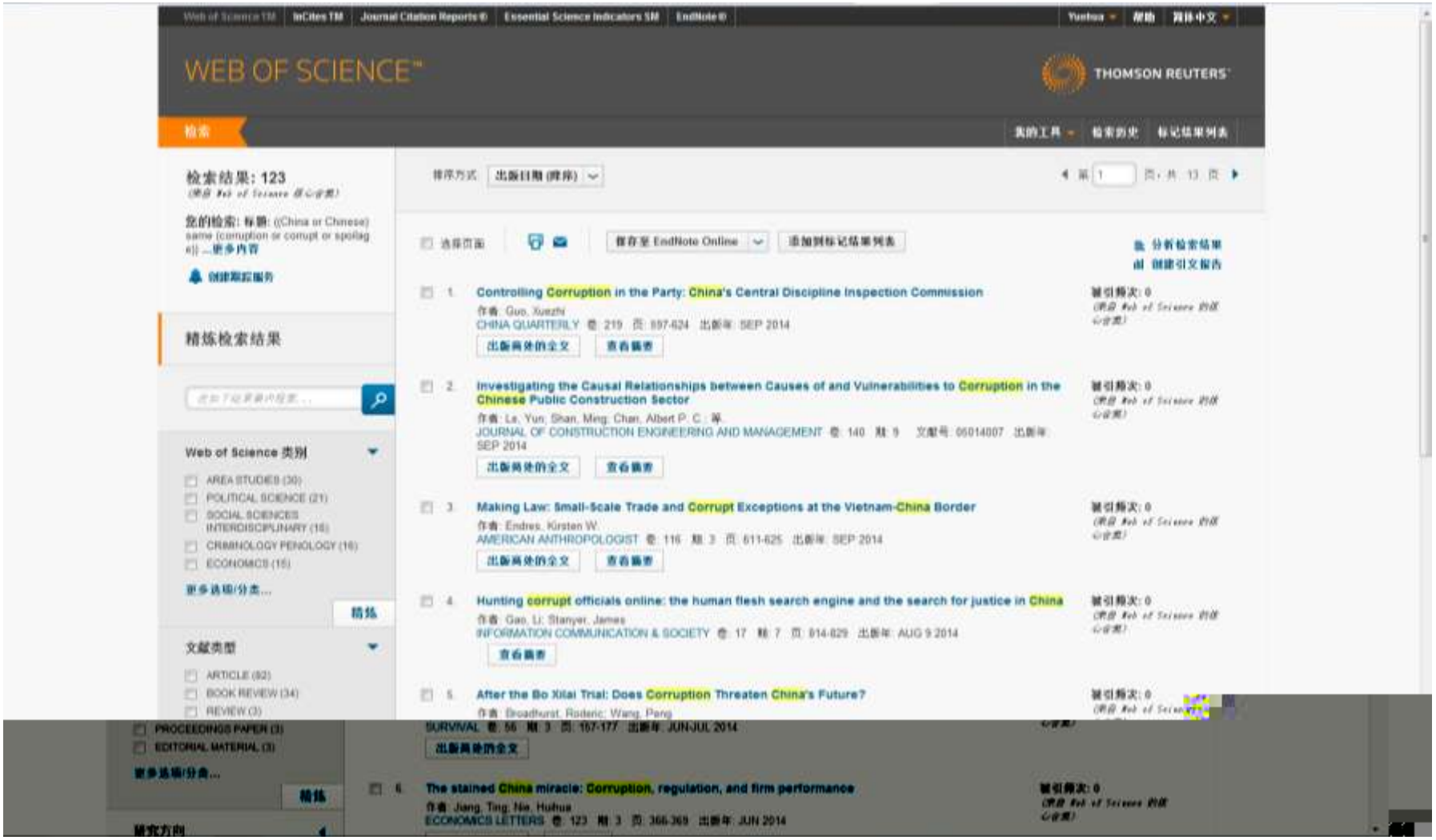
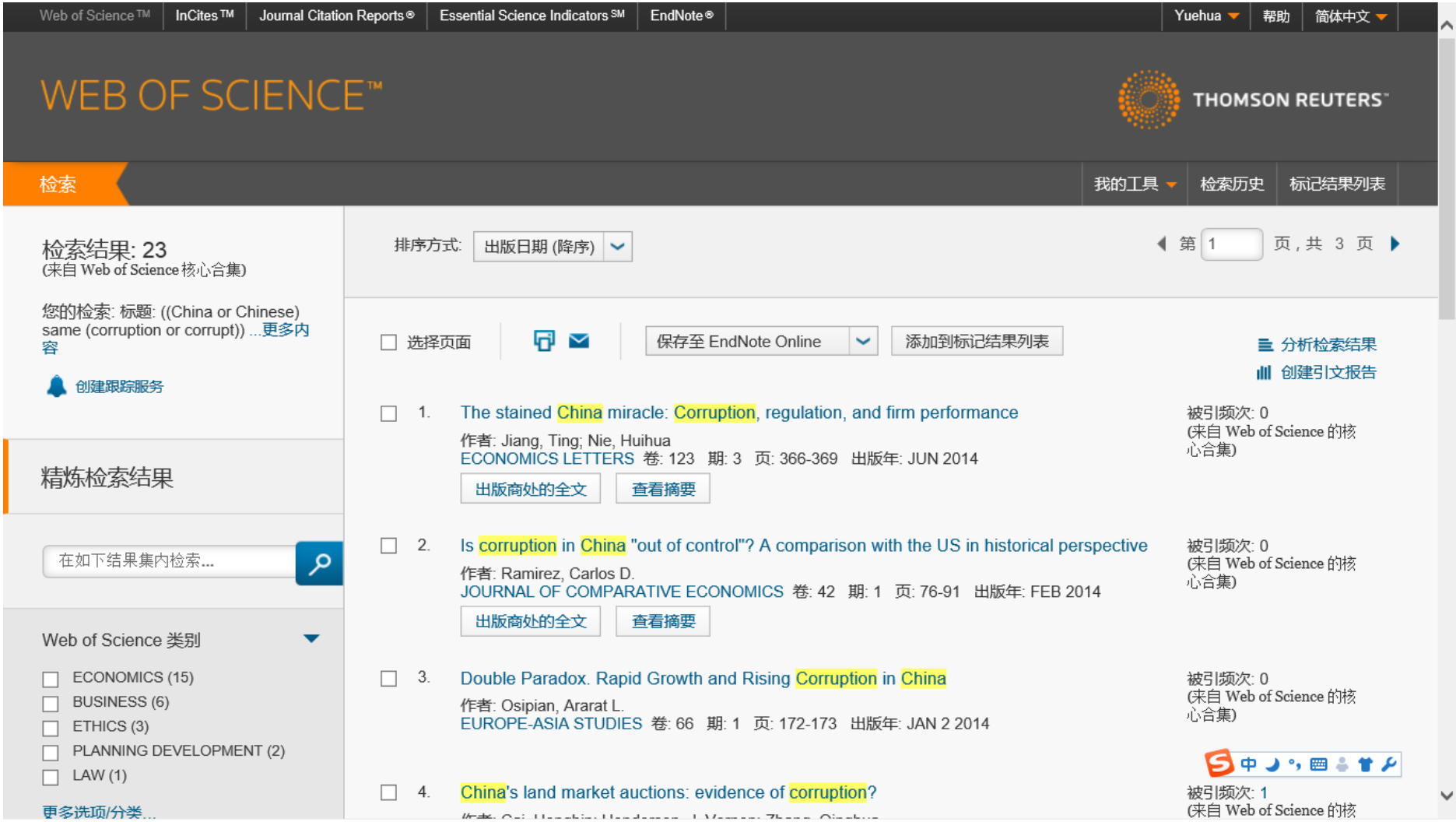
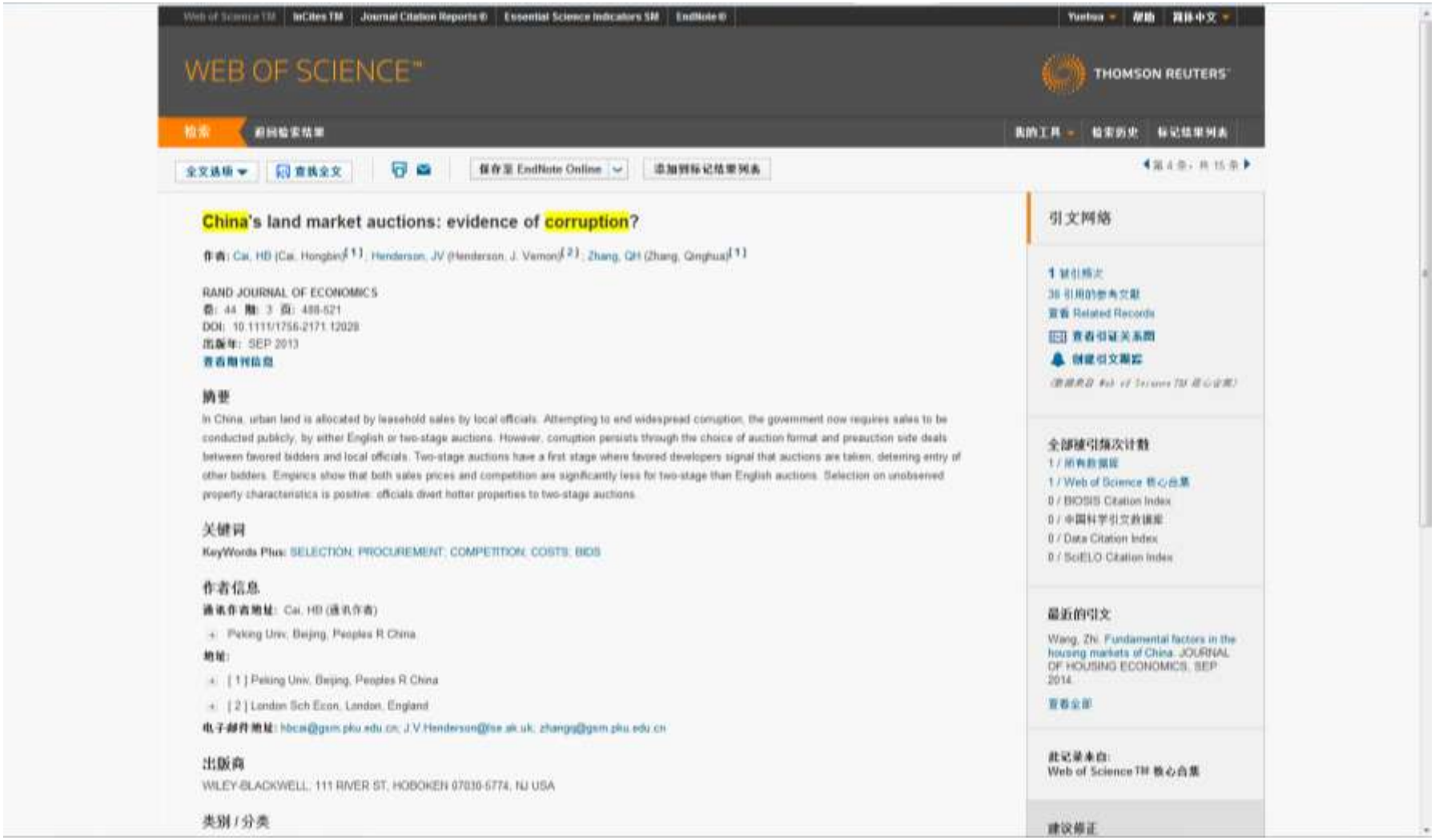


反腐败(China or Chinese) same (corruption or corrupt)



反腐败(China or Chinese) same (corruption or corrupt)



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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]

Fronts | Papers | Citations | Citations Per Paper | Mean Year | View

USE SOCIAL NETWORKING SITES; ONLINE SOCIAL NETWORK SITES; COLLEGE STUDENTS' NETWORKING EXPERIENCES; SOCIAL MEDIA USE; ONLINE SOCIAL NETWORKING | 40 | 1,685 | 42.12 | 2010.0

[1]

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RESEARCH FRONTS RANKINGS FOR ONLINE SOCIAL NETWORK EXPERIMENT

Sorted by: Citations SORT AGAIN

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

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RESEARCH FRONTS RANKINGS FOR ONLINE REVIEWS MATTER

Sorted by: Citations SORT AGAIN

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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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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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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

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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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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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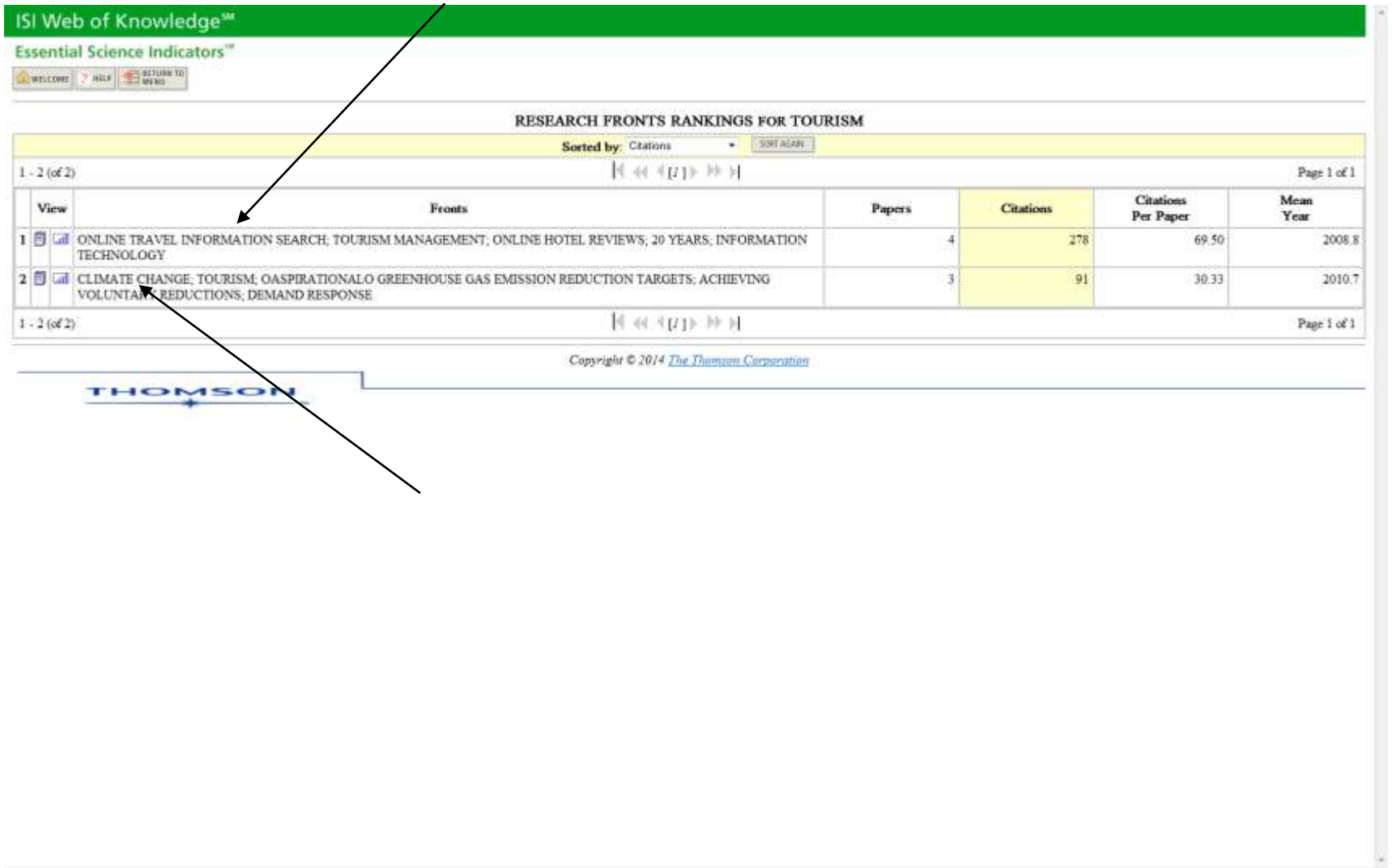

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RESEARCH FRONTS RANKINGS FOR TOURISM

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

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RESEARCH FRONTS RANKINGS FOR LIFE EVALUATION;

Sorted by: Citations SORT AGAIN

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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RESEARCH FRONTS RANKINGS FOR RISK IDENTIFICATION METHODS

Sorted by: Citations SORT AGAIN

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

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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

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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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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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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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RESEARCH FRONTS RANKINGS FOR POLITICAL IDEOLOGY

Sorted by: Citations SORT AGAIN

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

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		POLITICAL IDEOLOGY; POLITICAL PSYCHOLOGY; ELECTIVE AFFINITIES; STRUCTURE; FUNCTIONS	2	137	68.50	2009.0

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

10		INTERNATIONAL REGIME COMPLEXITY; GLOBAL GOVERNANCE ARCHITECTURES; CLIMATE CHANGE; POLITICS; FRAGMENTATION	3	112	37.33	2010.0
12		SOCIAL IDENTITY; GROUP IDENTITY; SOCIAL PREFERENCES; POLITICAL ECONOMY; MODEL	2	95	47.50	2009.0

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RESEARCH FRONTS RANKINGS FOR SCHOOL BULLYING

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) [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

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

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RESEARCH FRONTS RANKINGS FOR ROCK ART DATING;

Sorted by: Citations SORT AGAIN

1 - 1 (of 1) [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

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

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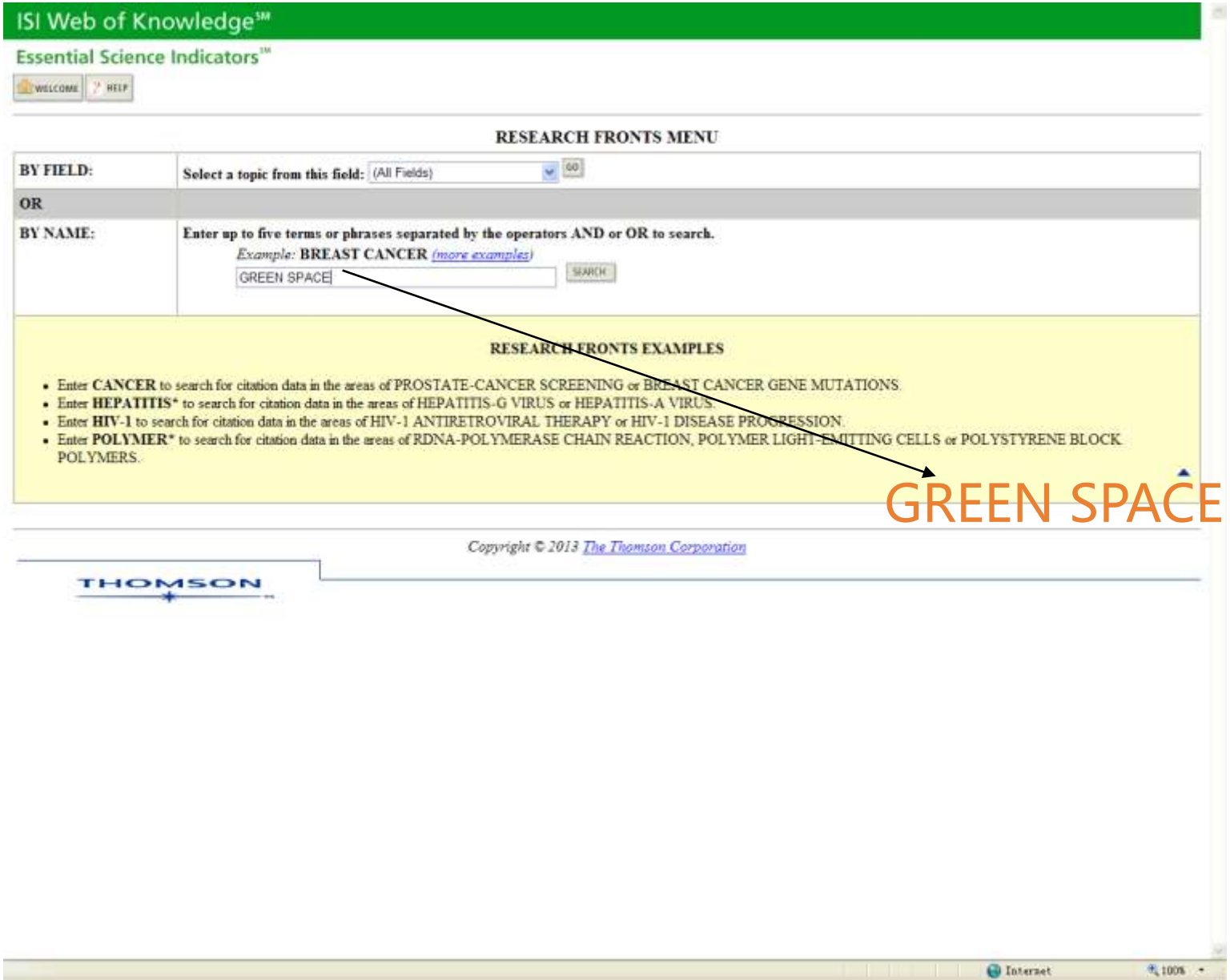

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RESEARCH FRONTS RANKINGS FOR GREEN SPACE

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	T09	T0.90	2010.4

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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

10 CLINICAL MEDICINE SOCIAL SCIENCES, GENERAL

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

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

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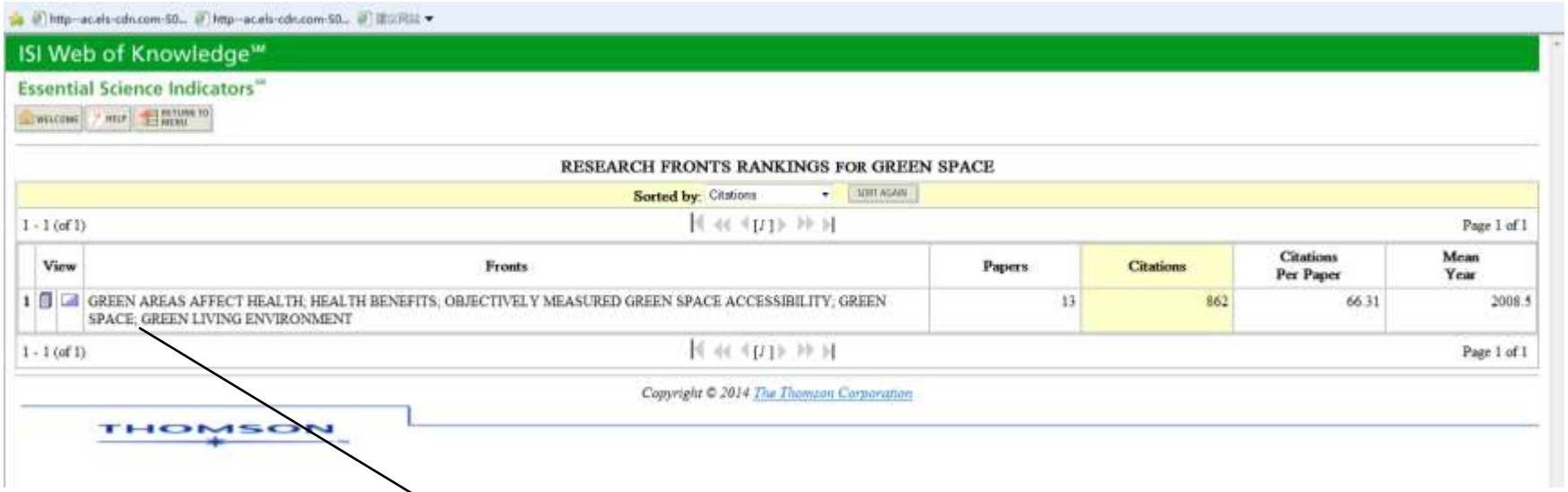

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1 - 1 (of 1) | [1] | Page 1 of 1

	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
1		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) | [1] | Page 1 of 1

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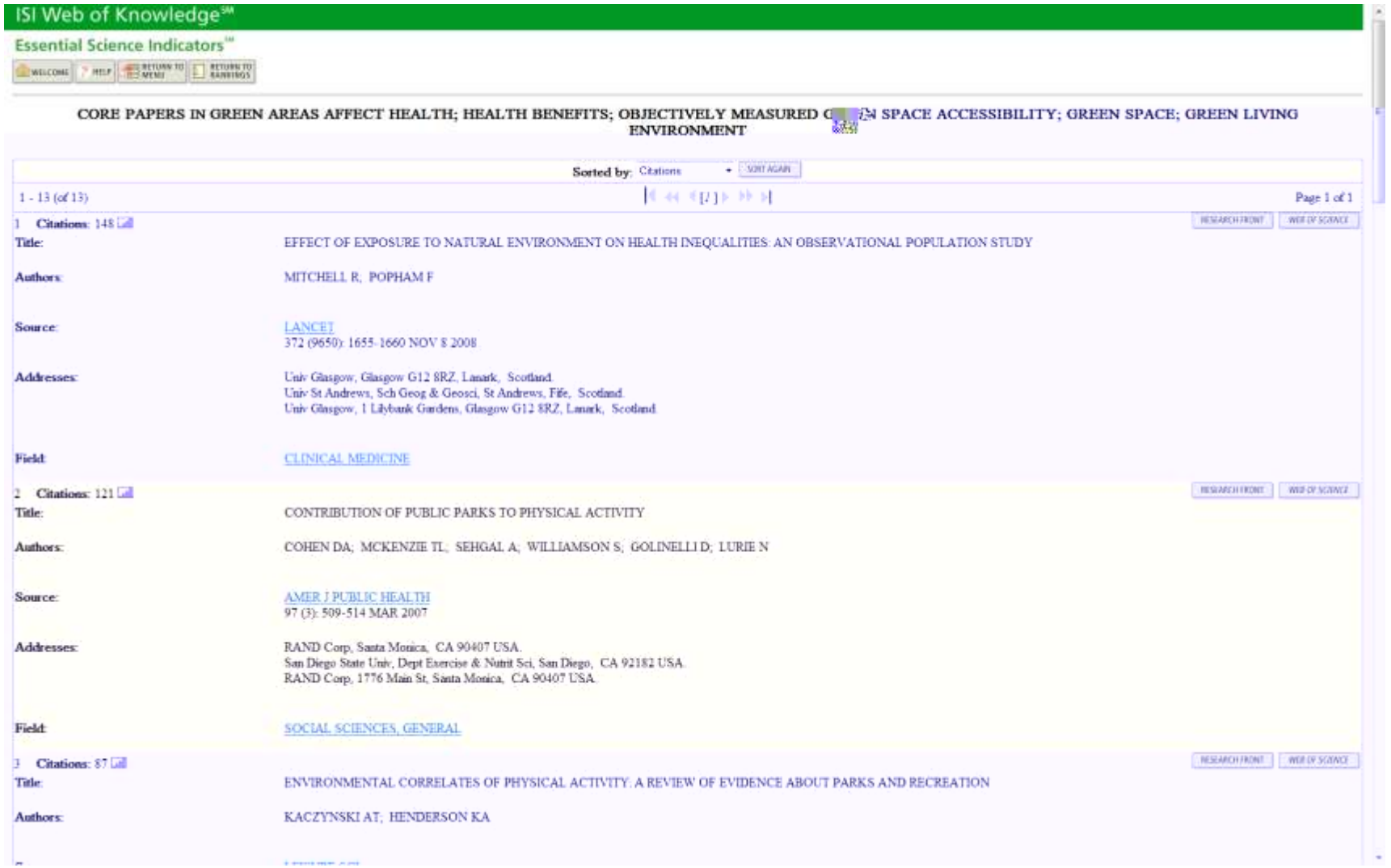

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1 - 13 (of 13) [1] Page 1 of 1

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

屋顶绿化（GREEN ROOFS）——研究前沿

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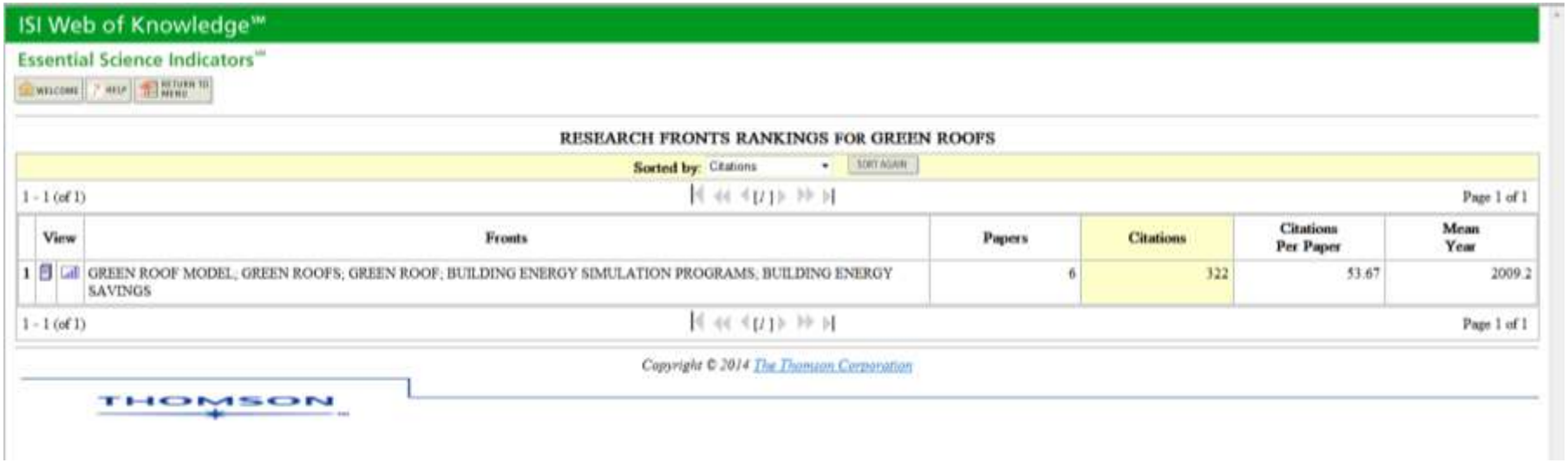

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	View	Fronts	Papers	Citations	Citations Per Paper	Mean Year
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1 - 1 (of 1) [1] Page 1 of 1

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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

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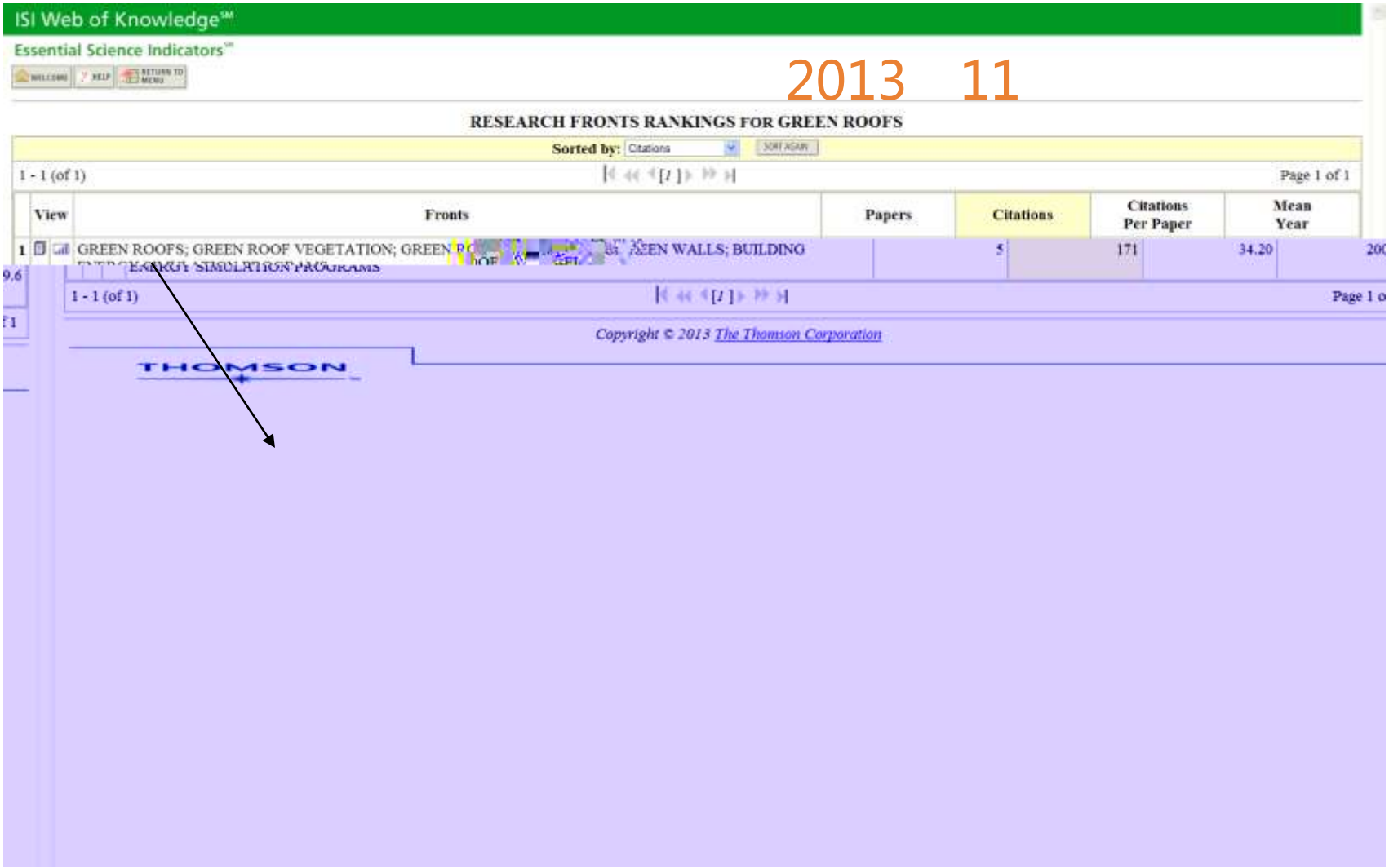

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"Roof* Green*" or "Green Roof*" or
"green* wall*" or "wall* green*"

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

-

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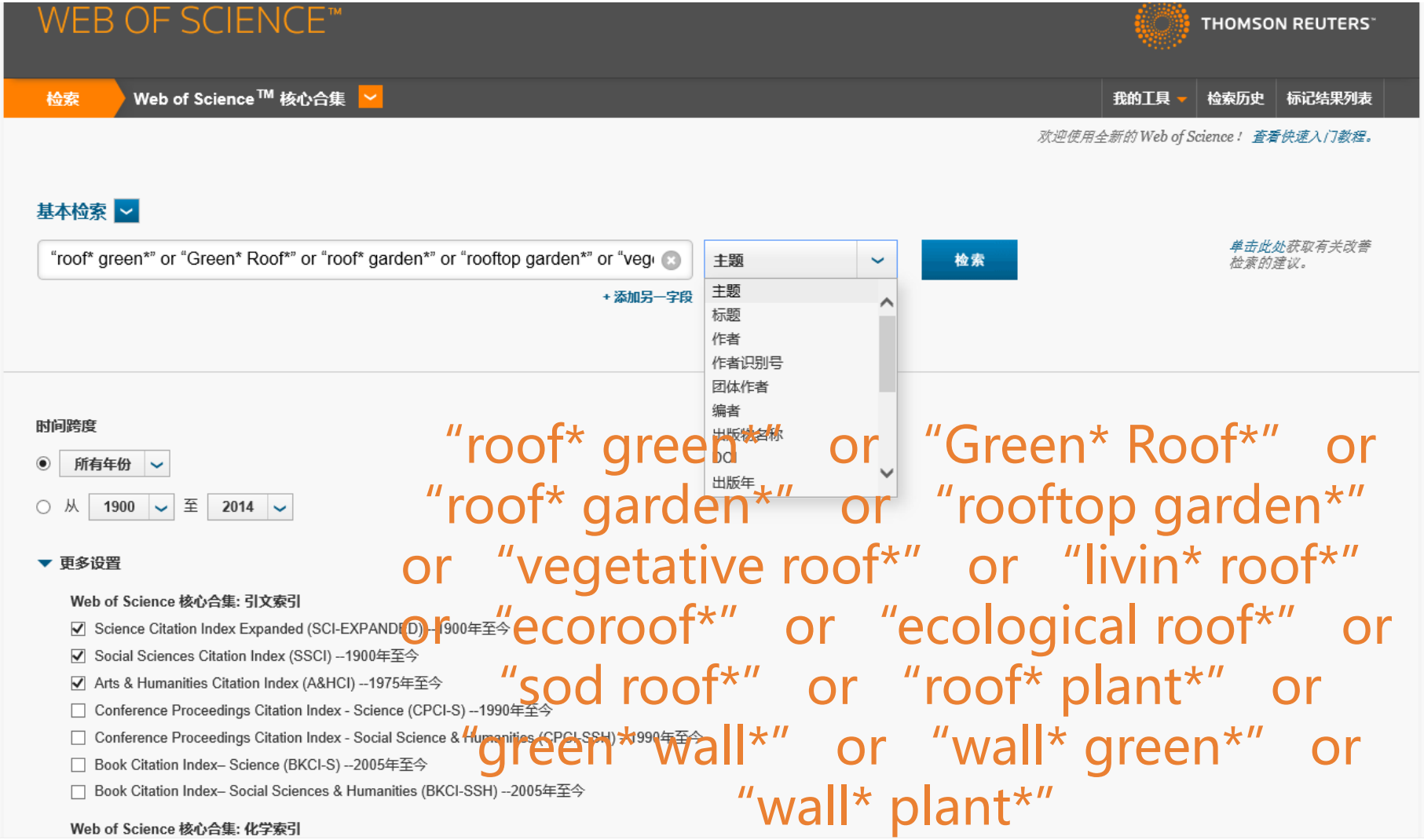
- (“roof* green*” or “Green* Roof*” or “roof* garden*” or “rooftop garden*” or “vegetative roof*” or “livin* roof*” or “ecoroof*” or “ecological roof*” or “sod roof*” or “roof* plant*” or “green* wall*” or “wall* green*” or “wall* plant*”)

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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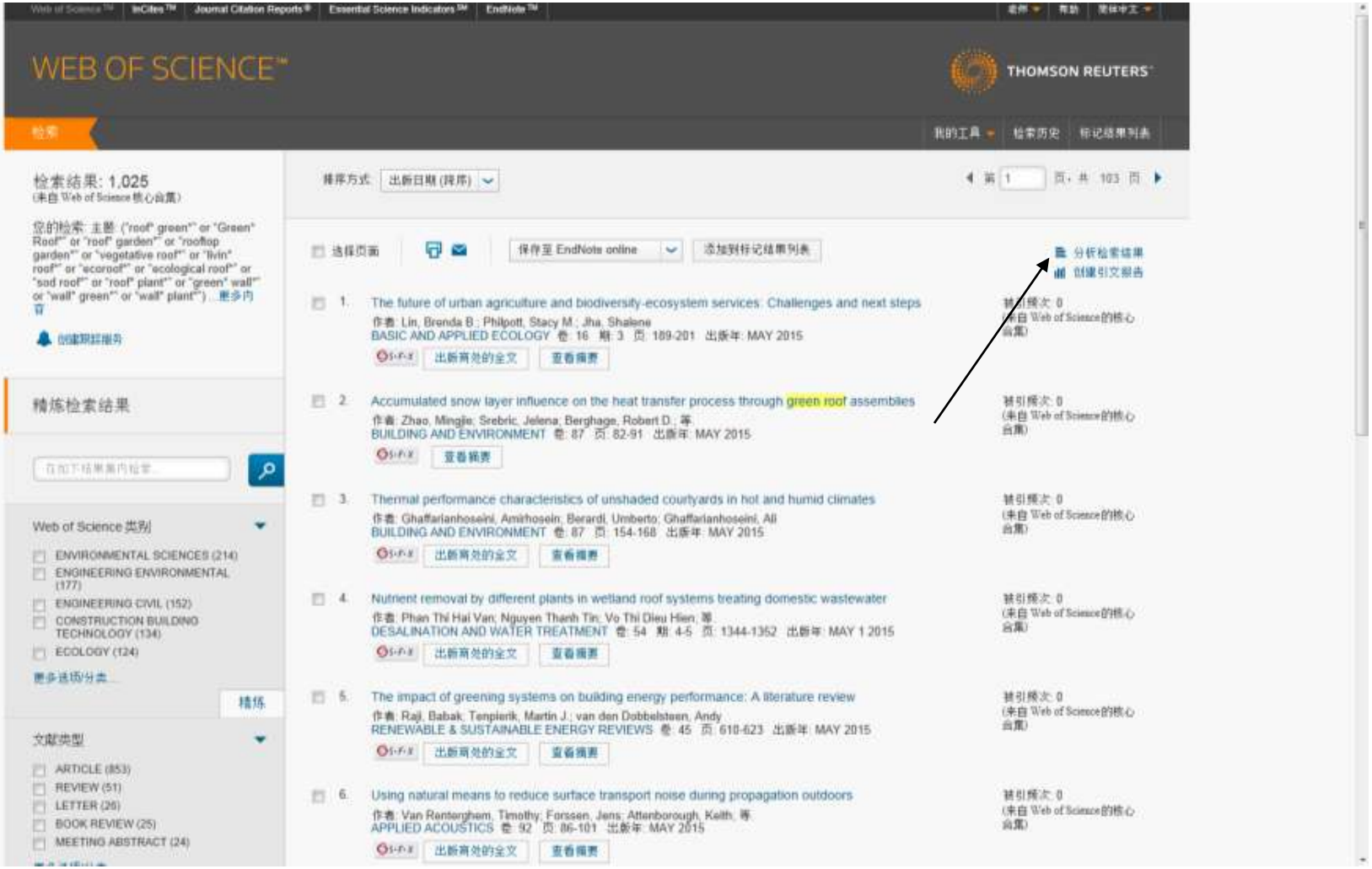

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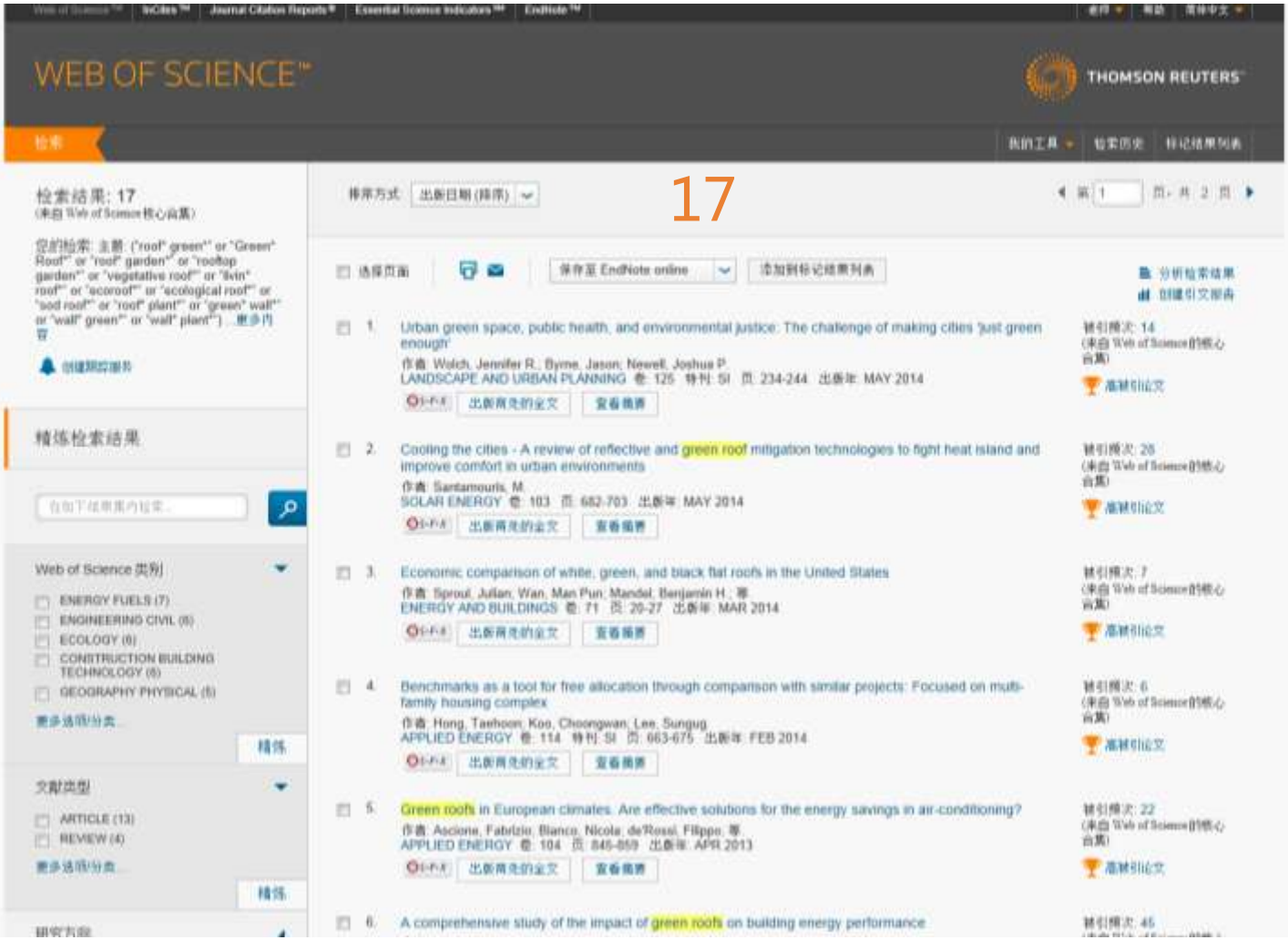

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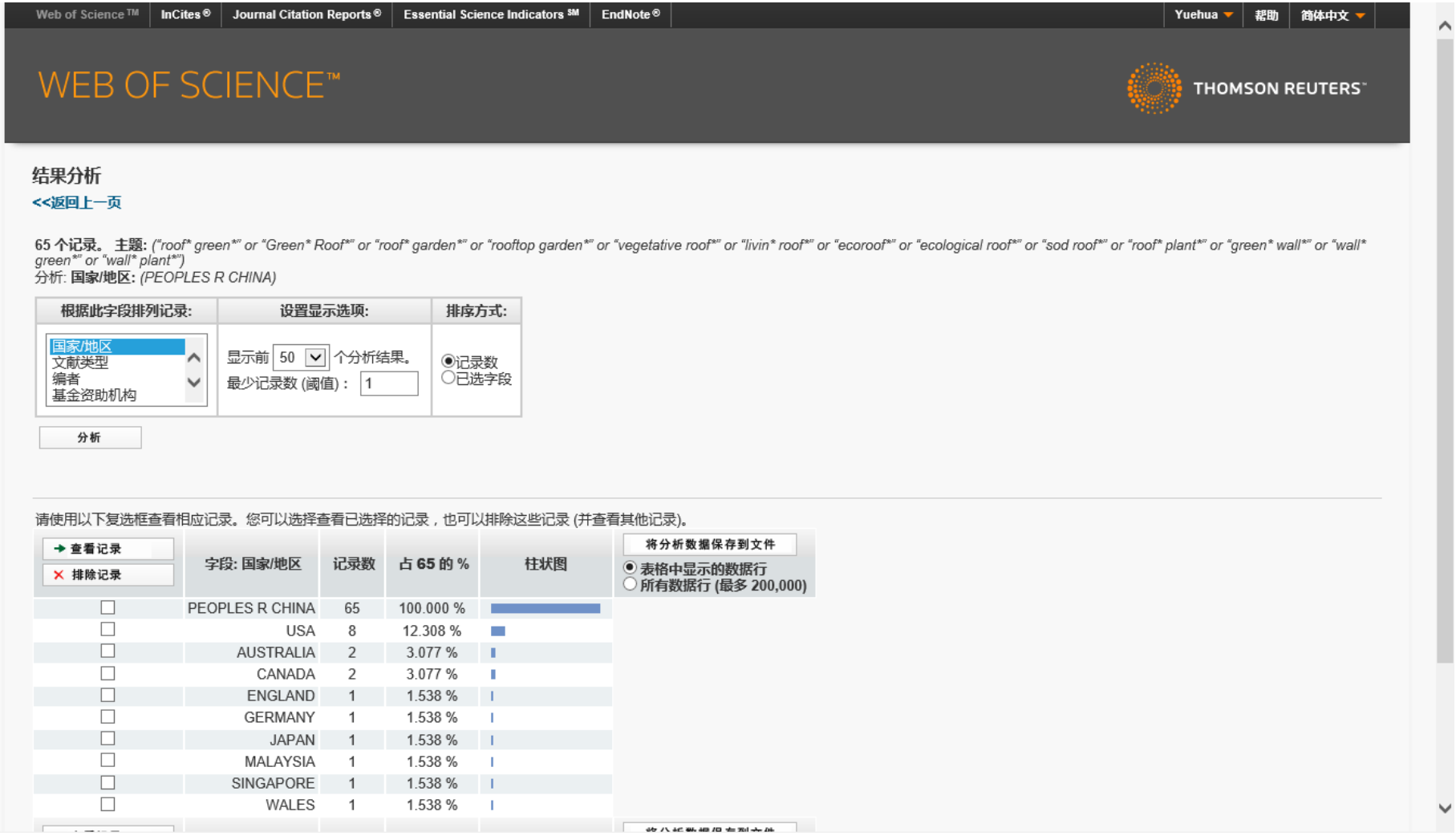

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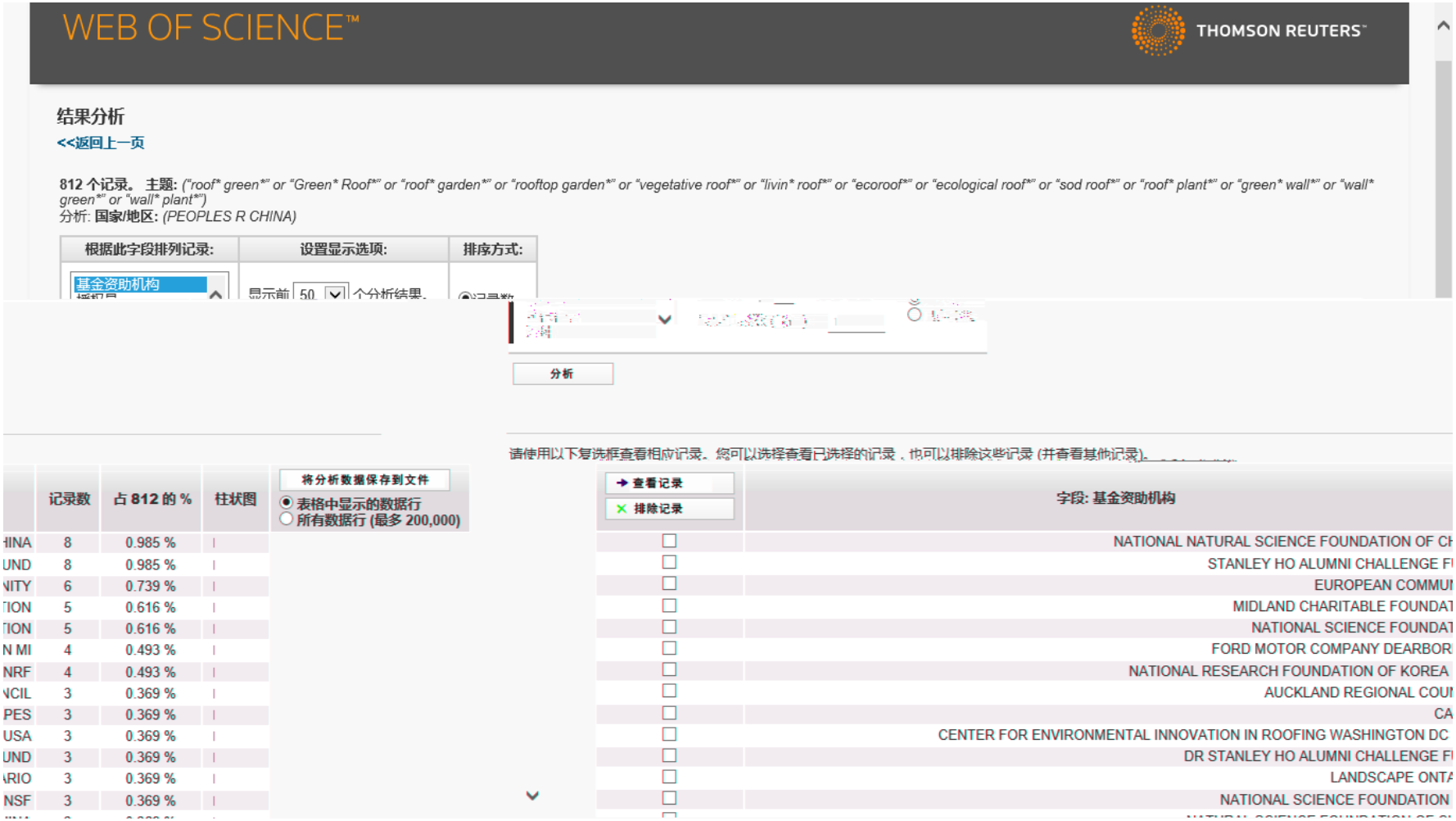

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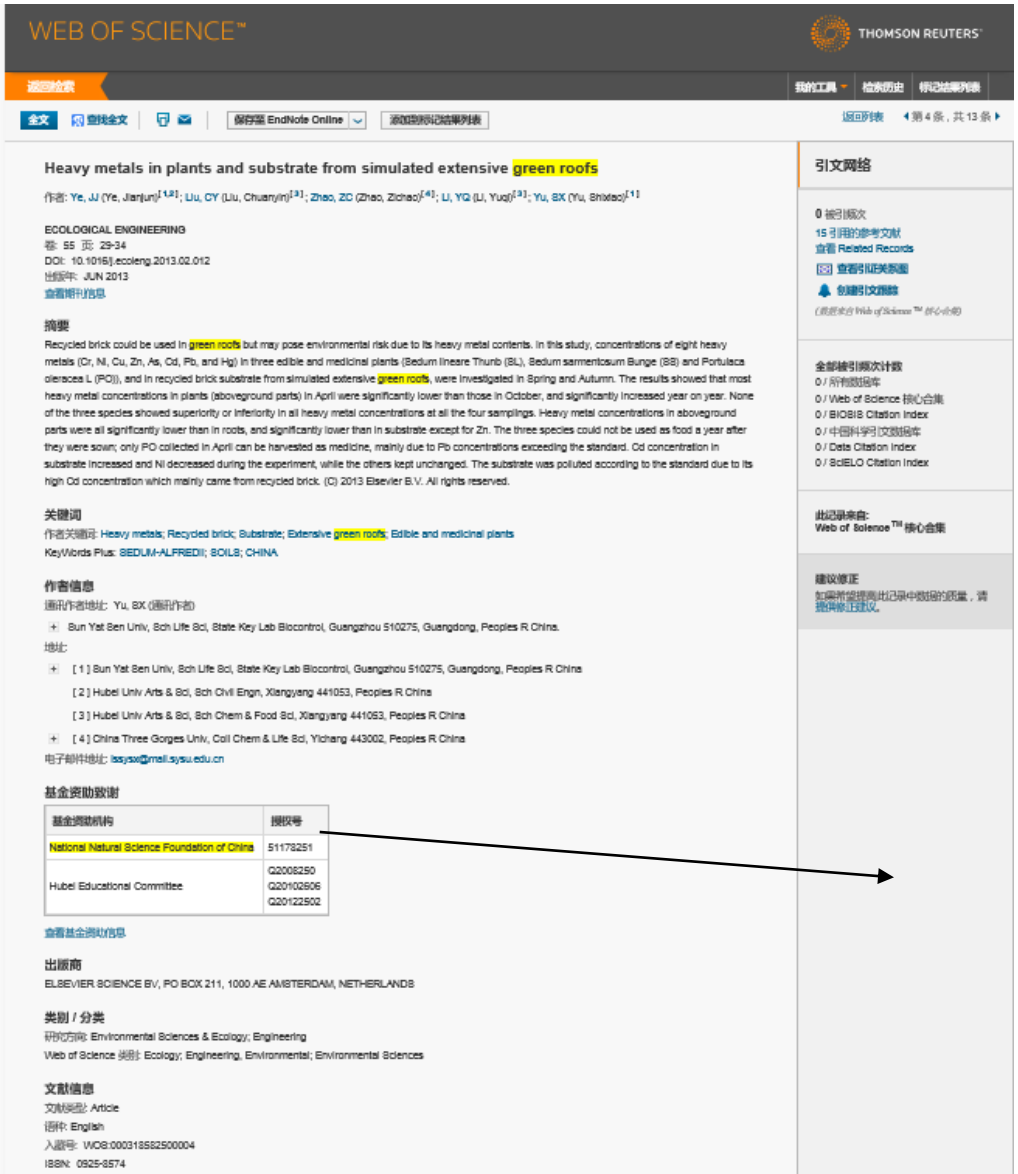

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Heavy metals in plants and substrate from simulated extensive green roofs

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

作者信息

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[2] Hubei Univ Arts & Sci, Sch Civil Engn, Xiangyang 441053, Peoples R China
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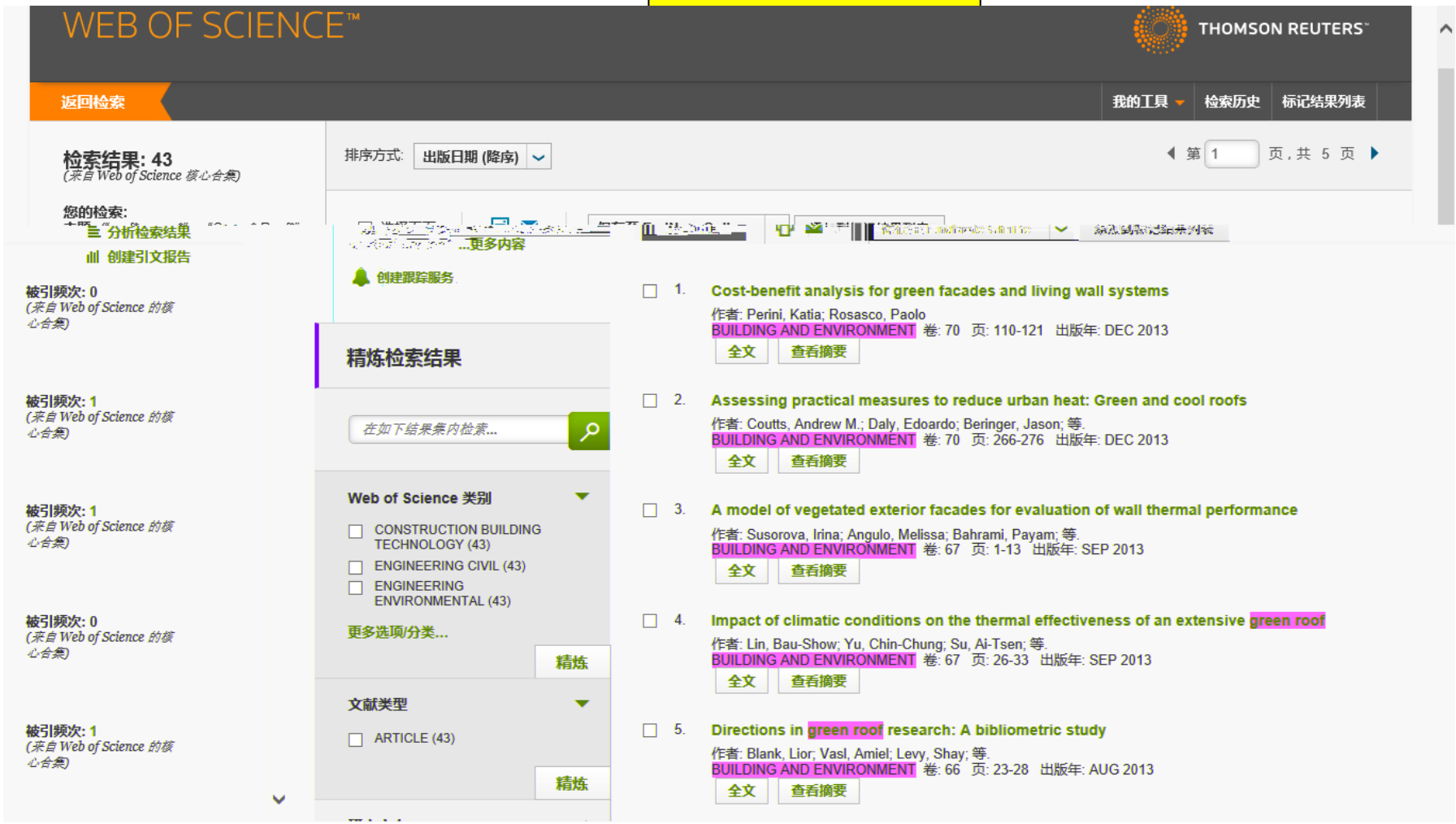

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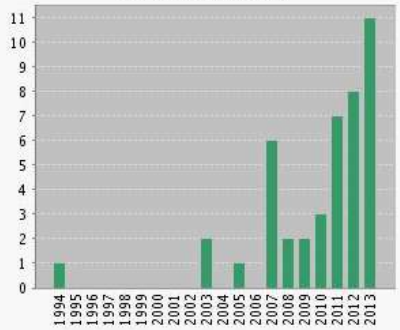
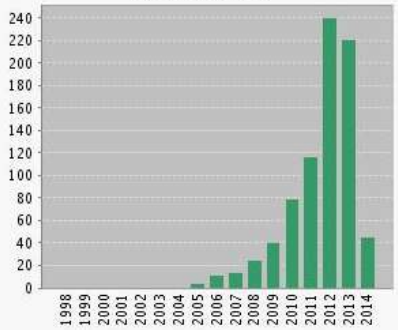
此报告中的引文均来源于Web of Science 核心合集收录的文献。执行"被引参考文献检索"，可查看Web of Science 核心合集未收录文献的引文。

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 14

18.58

排序方式: 被引频次 (降序)

第 1 页，共 5 页

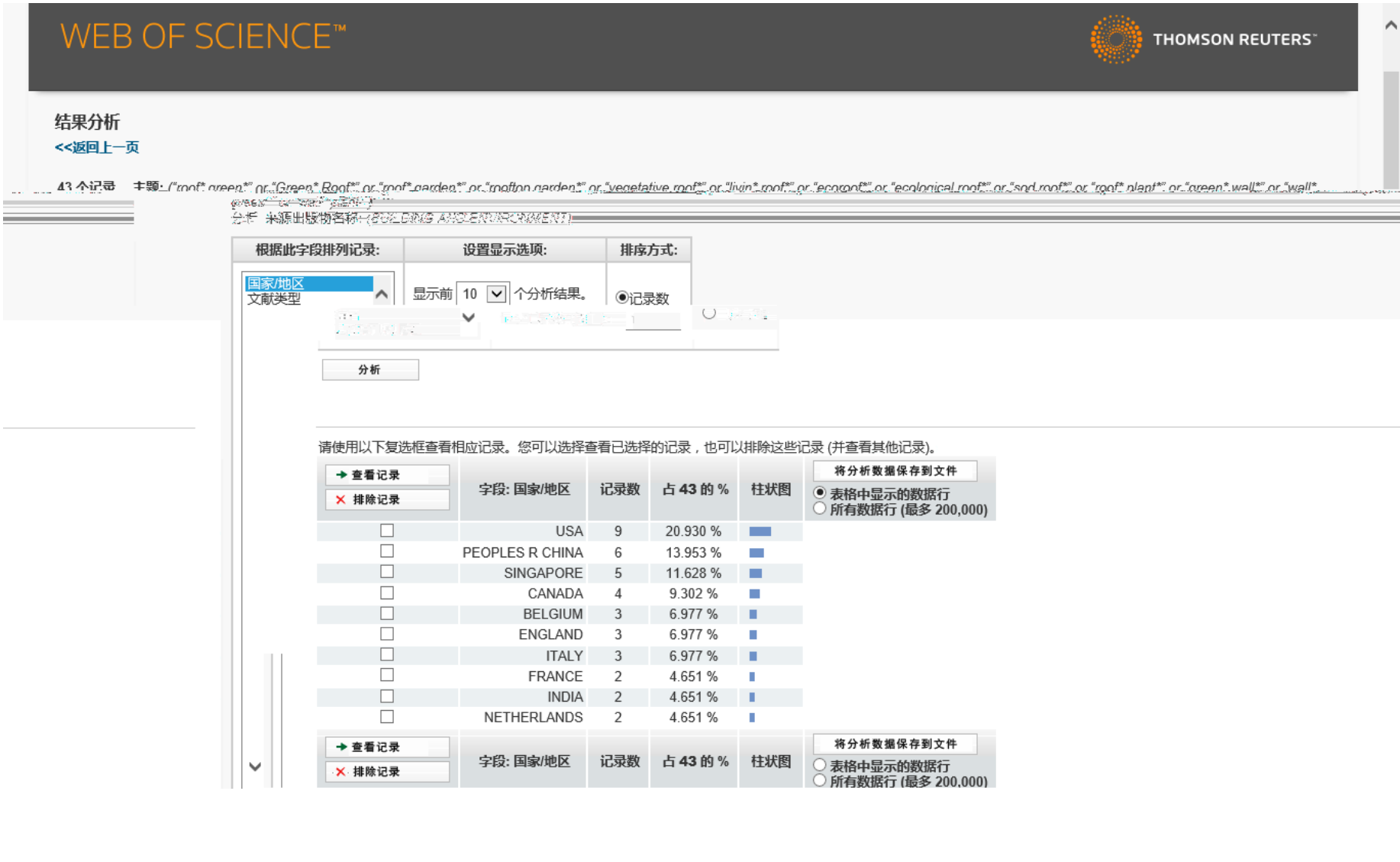
选择记录前面的复选框，从 "引文报告" 中删除记录

或者限定在以下时间范围内出版的记录，从 1900 至 2014 转至

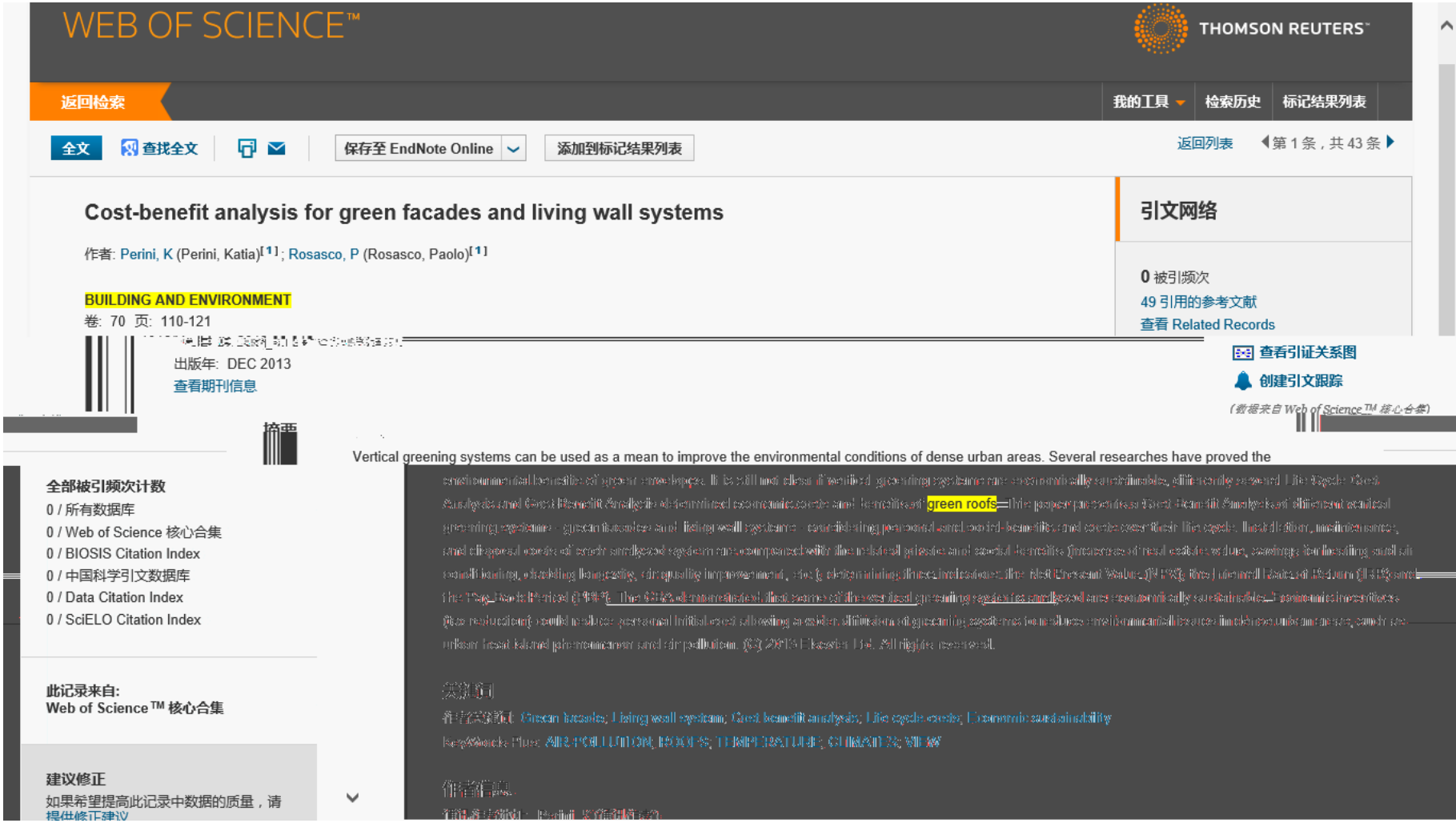
	2010 ◀	2011	2012	2013	2014 ▶	合计	平均引用次数/年
	79	117	240	221	46	799	47.00
1. **Investigation of thermal benefits of rooftop garden in the tropical environment** 作者: Wong, NH; Chen, Y; Ong, CL; 等. BUILDING AND ENVIRONMENT 卷: 38 期: 2 页: 261-270 文献号: PII S0360-1323(02)00066-5 出版年: FEB 2003	14	14	27	16	2	102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



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



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Cost-benefit analysis for green facades and living wall systems

作者: Perini, K (Perini, Katia)[1]; Rosasco, P (Rosasco, Paolo)[1]

BUILDING AND ENVIRONMENT

卷: 70 页: 110-121

出版年: DEC 2013

查看期刊信息

引文网络

0 被引频次

49 引用的参考文献

查看 Related Records

查看引证关系图

创建引文跟踪

(数据来自 Web of Science™ 核心合集)

摘要

Vertical greening systems can be used as a mean to improve the environmental conditions of dense urban areas. Several researches have proved the

green roofs

全部被引频次计数

0 / 所有数据库

0 / Web of Science 核心合集

0 / BIOSIS Citation Index

0 / 中国科学引文数据库

0 / Data Citation Index

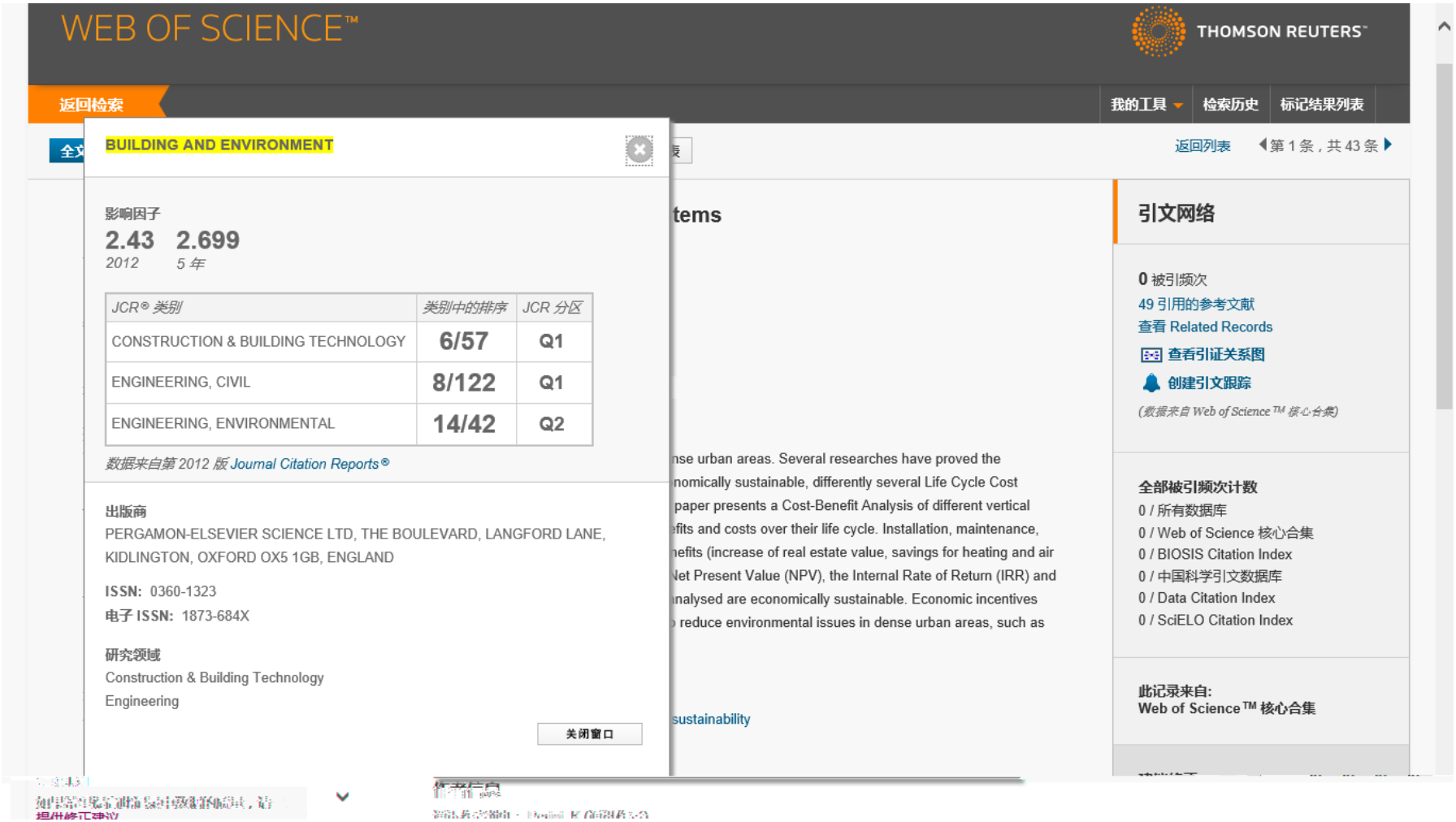
0 / SciELO Citation Index

此记录来自:
Web of Science™ 核心合集

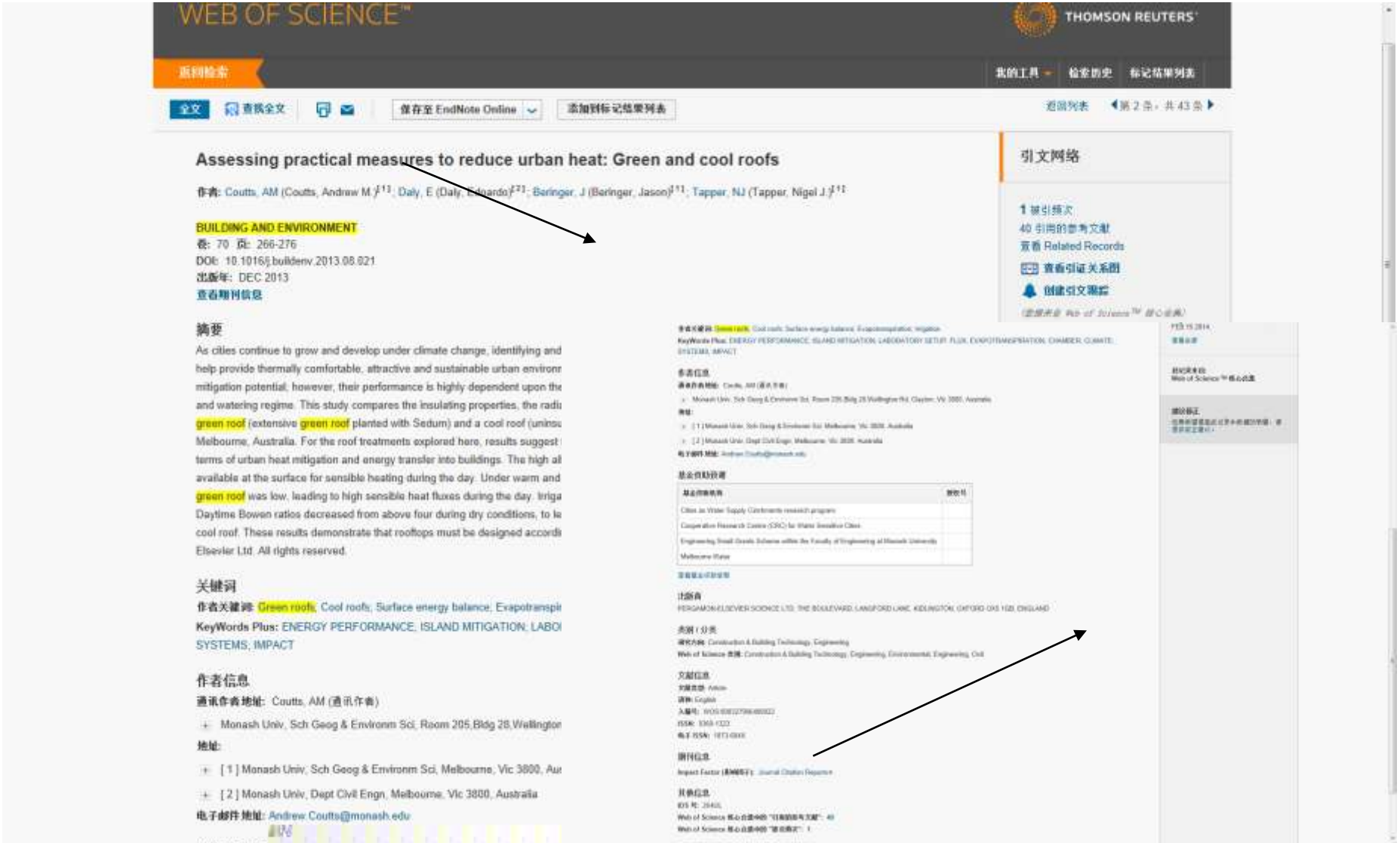
建议修正

如果希望提高此记录中数据的质量，请

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



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



进入JCR数据库了解期刊的影响因子？

Building and Environment

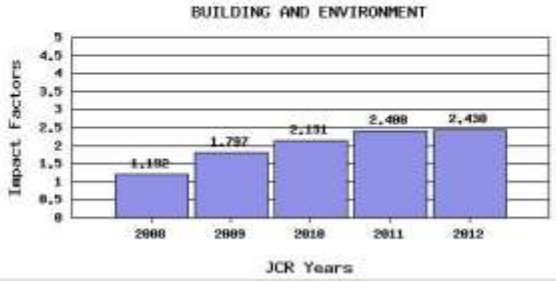
5

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

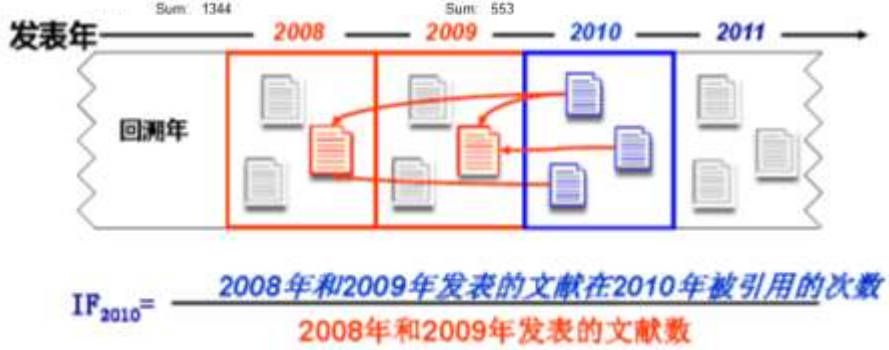
The journal impact factor is a measure of the frequency with which the "average article" in a journal has been cited in a particular year. The impact factor will help you evaluate a journal's relative importance, especially when you compare it to others in the same field. For more bibliometric data and 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 Number of articles published in: 2011 = 265
2010 = 777 2010 = 288
Sum: 1344 Sum: 553

Calculatio



2011 Imp
Cites in 2

Calculatio

2010 Imp
Cites in 2

Calculatio

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

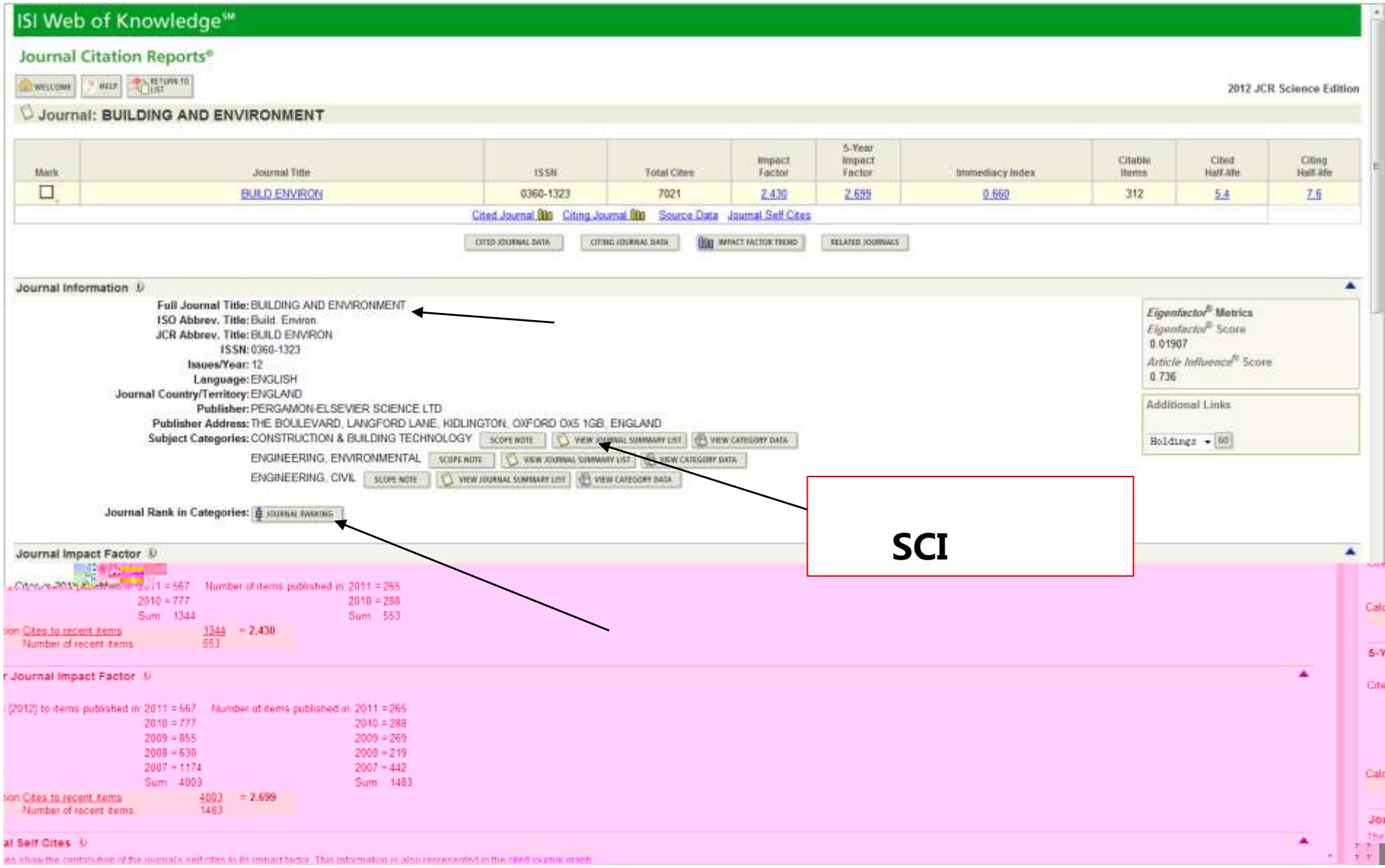
2009 Impact Factor

Cites in 2009 to articles published in: 2008 = 351 Number of articles published in: 2008 = 219
2007 = 837 2007 = 442
Sum: 1188 Sum: 661

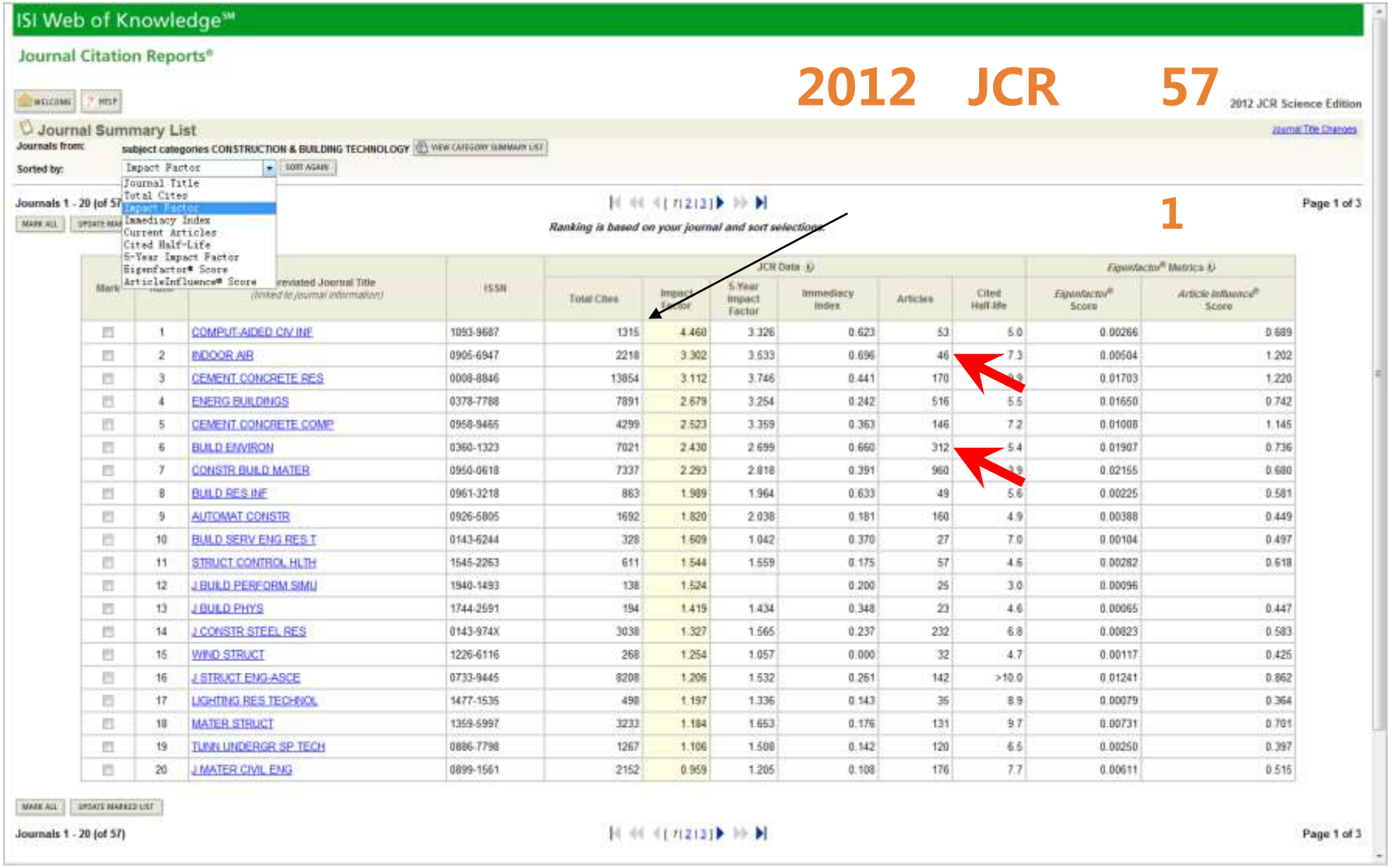
Calculation Cites to recent articles 1188 =1.797

Impact Factor

进入JCR数据库了解期刊的影响因子？



进入JCR数据库了解期刊的影响因子？



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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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**

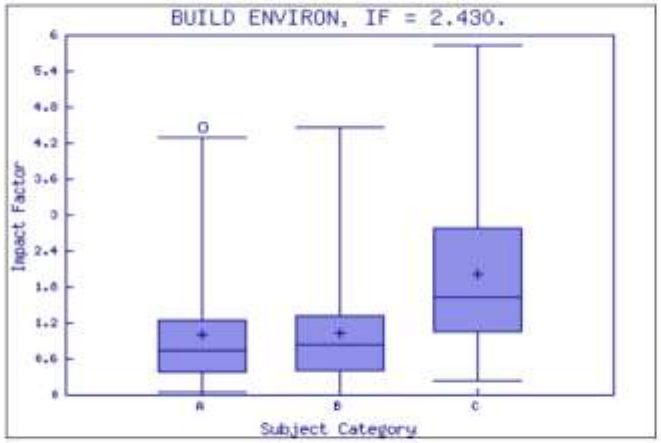
This table shows the ranking of this journal in its subject categories based on Impact Factor.

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.



Key
A - CONSTRUCTION & BUILDING TECHNOLOGY
B - ENGINEERING, CIVIL
C - ENGINEERING, ENVIRONMENTAL

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

- 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

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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)*

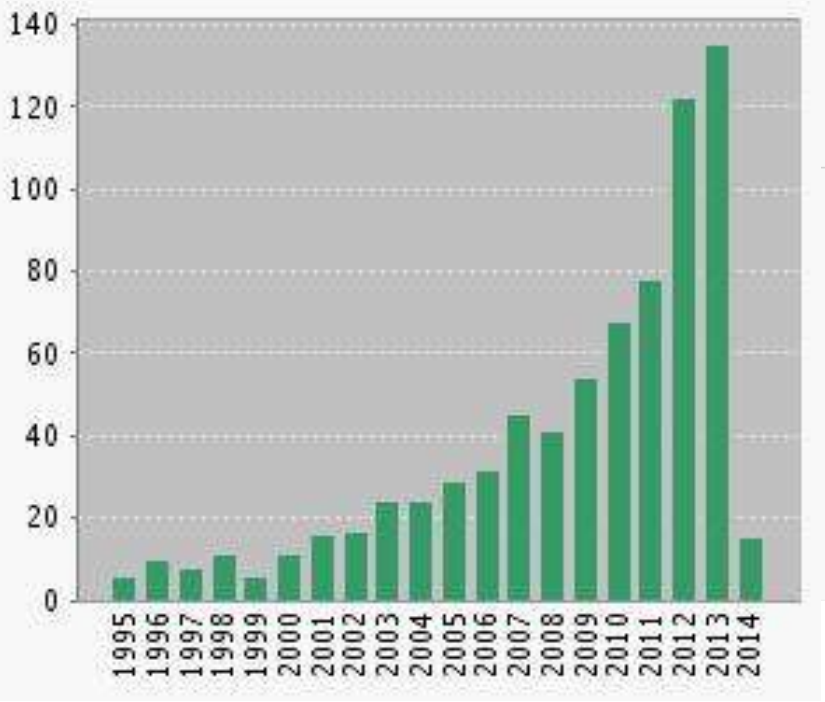
根据此字段排列记录:	设置显示选项:	排序方式:
出版年 研究方向 来源出版物名称 Web of Science 类别	显示前 10 个分析结果。 最少记录数 (阈值) : 1	◉记录数 ○已选字段

分析

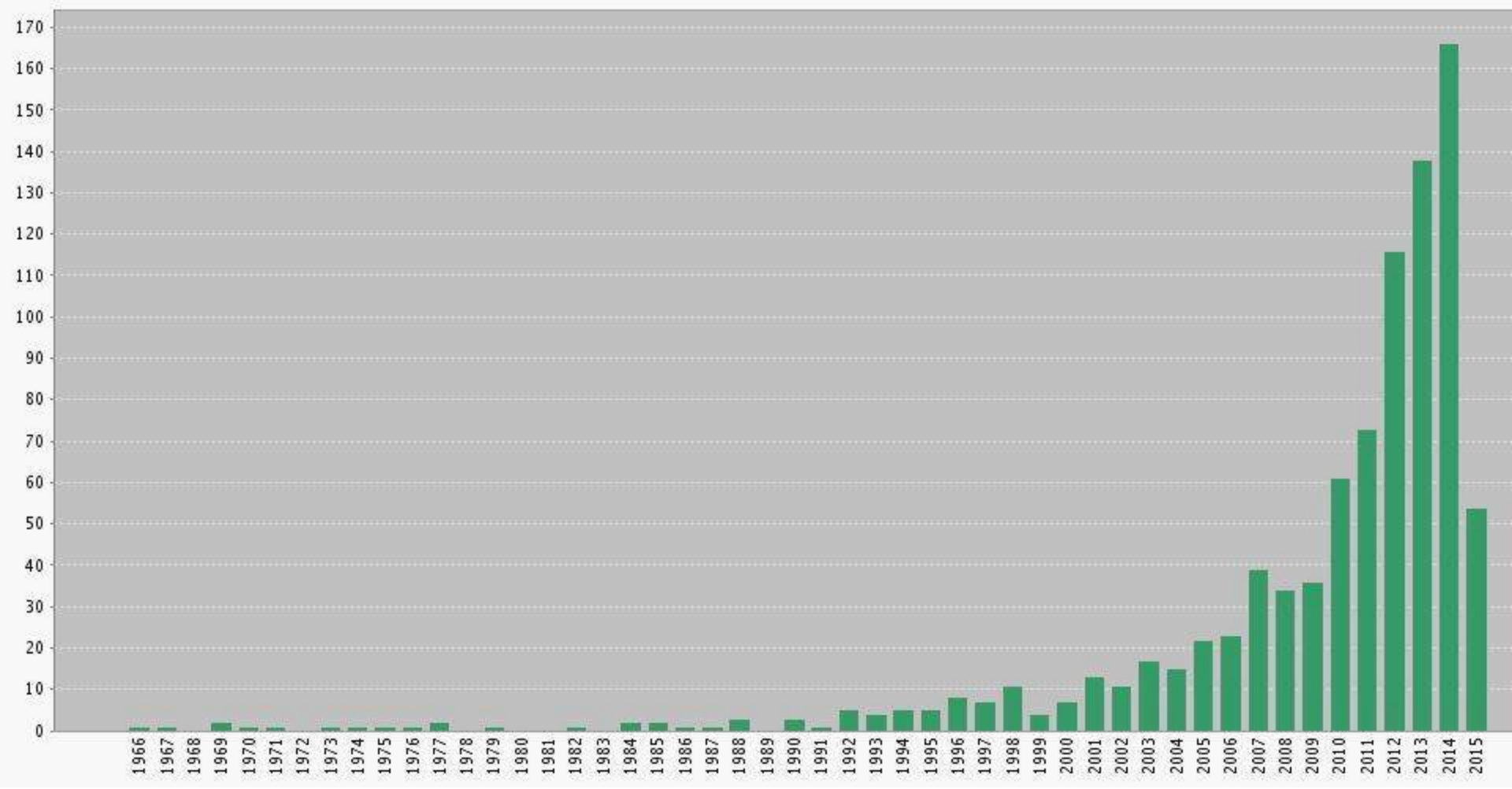
请使用以下复选框查看相应记录。您可以选择查看已选择的记录，也可以排除这些记录 (并查看其他记录)。

查看记录 | 排除记录 | 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 200,00

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 %	



课题选题实例：屋顶绿化

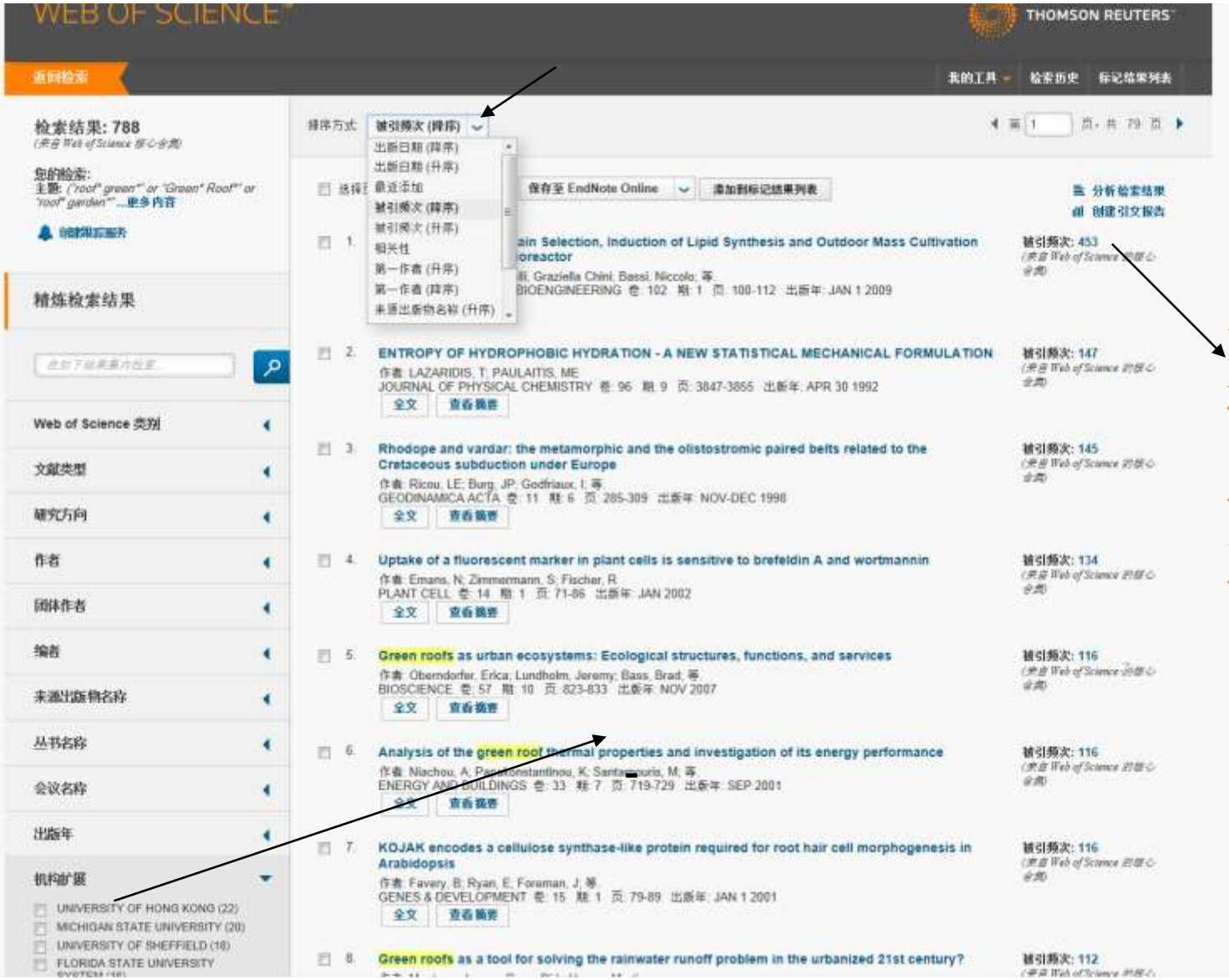


1966-2015

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

利用SCI的分析，了解课题的发展趋势：研究热点



高被引论文

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，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)

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

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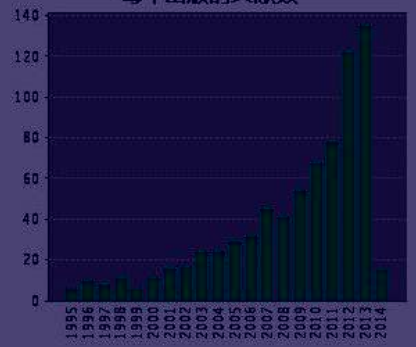
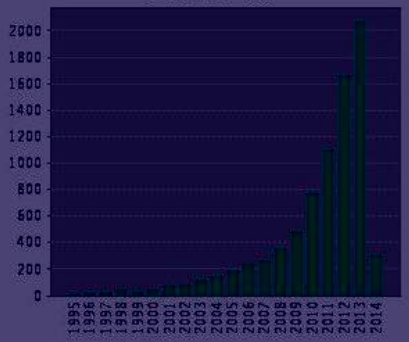
每年出版的文献数



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

H :40

10.14

排序方式: 被引频次 (降序)

第 1 页，共 82 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 精炼

	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

引文报告: 239

(来自 Web of Science 核心合集)

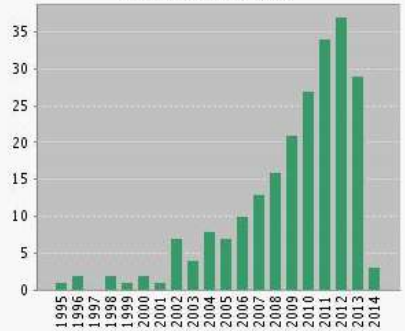
您的检索: **主题:** *("roof* green*" or "Green* Roof*" or "roof* garden*" or "rooftop garden*" or "vegetative roof*" or "livin* roof*" or "ecoroof*" or "ecological roof*" or "sod roof*" or "roof* plant*" or "green* wall*" or "wall* green*" or "wall* plant*")* **...更多内容**

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 :31

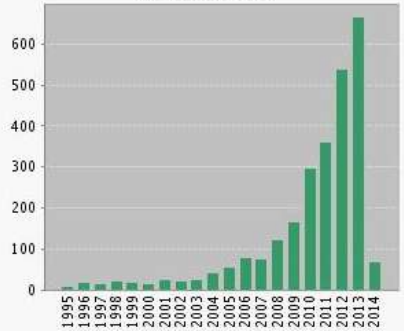
11.18

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:	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，其了解课题的发展趋势：屋顶绿化

引文报告: 65

(来自 Web of Science 核心合集)

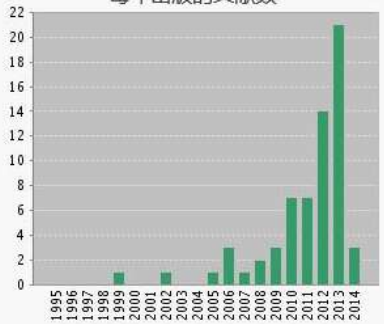
您的检索: **主题:** *("roof* green*" or "Green* Roof*" or "roof* garden*" or "rooftop garden*" or "vegetative roof*" or "livin* roof*" or "ecoroof*" or "ecological roof*" or "sod roof*" or "roof* plant*" or "green* wall*" or "wall* green*" or "wall* plant*")* **...更多内容**

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。

H :11

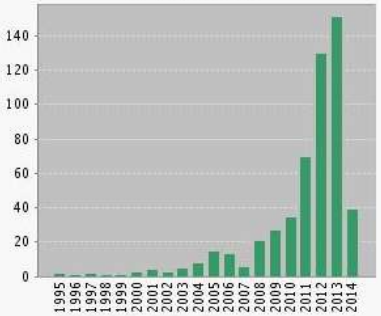
8.26

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:	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
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	35	70	130	151	39	537	26.85
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

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**

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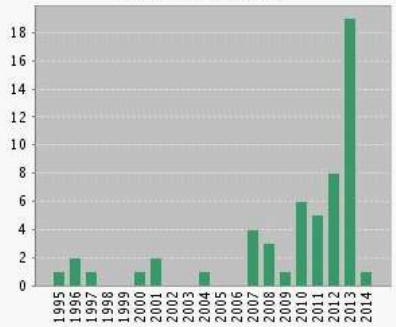
H :15

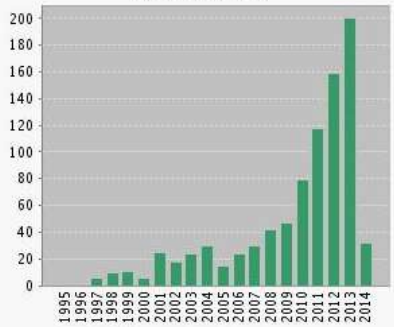
14.29

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
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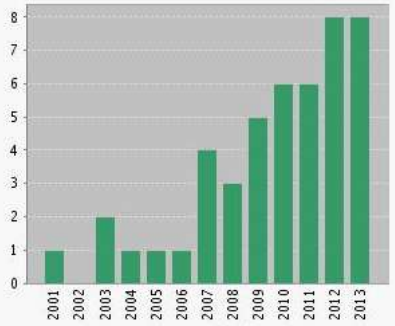

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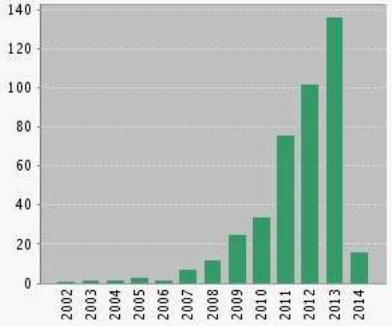

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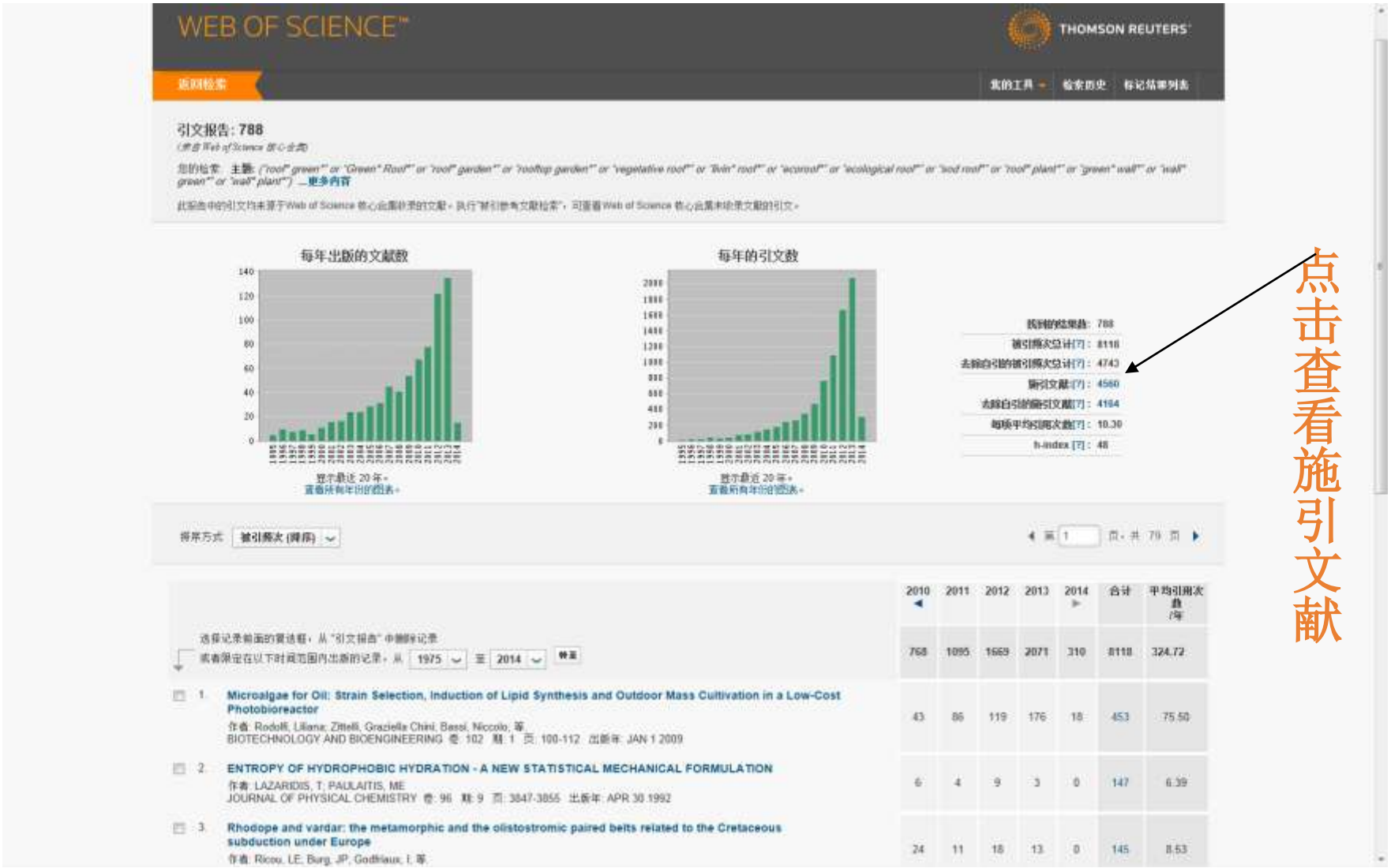

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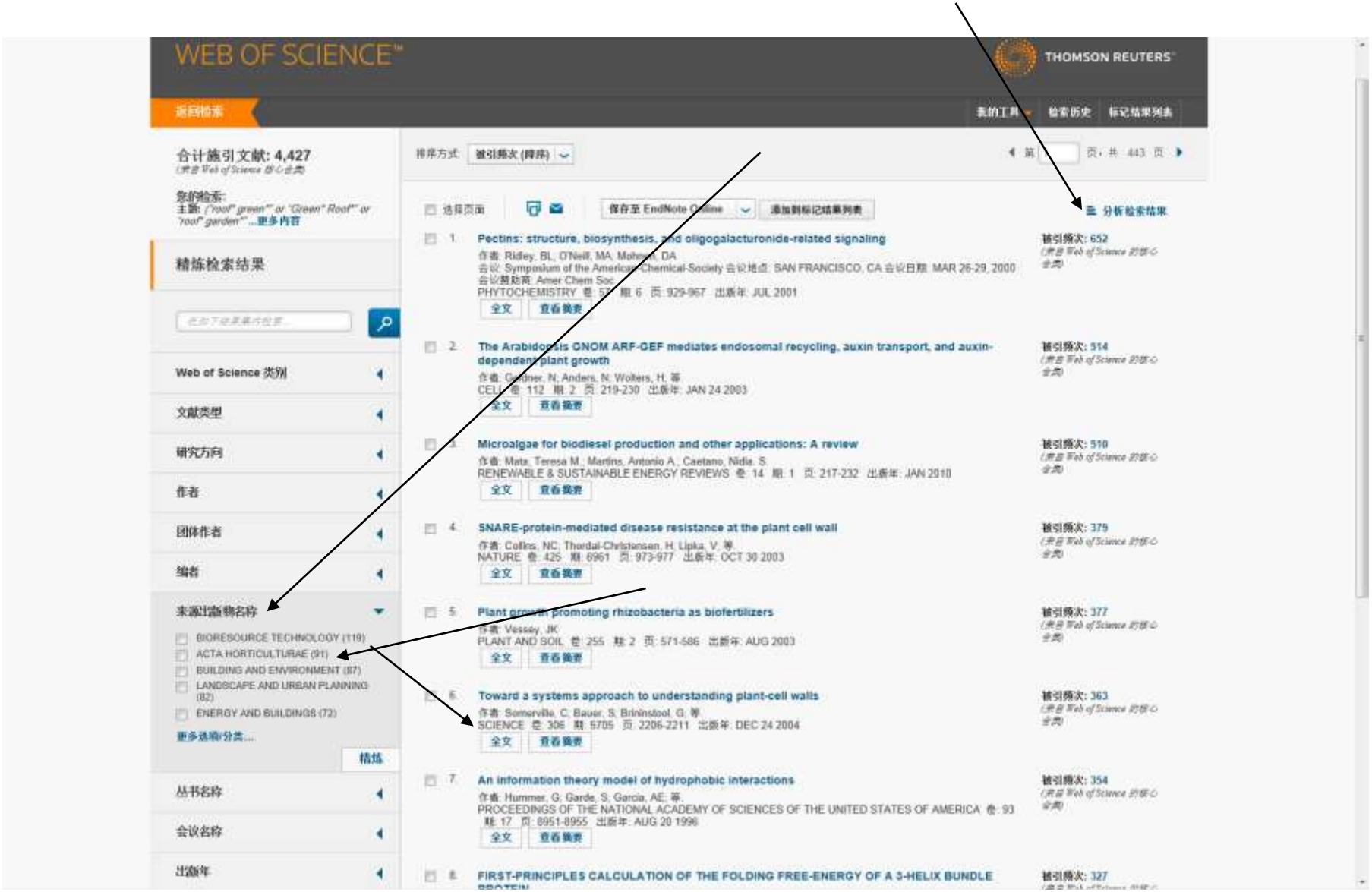

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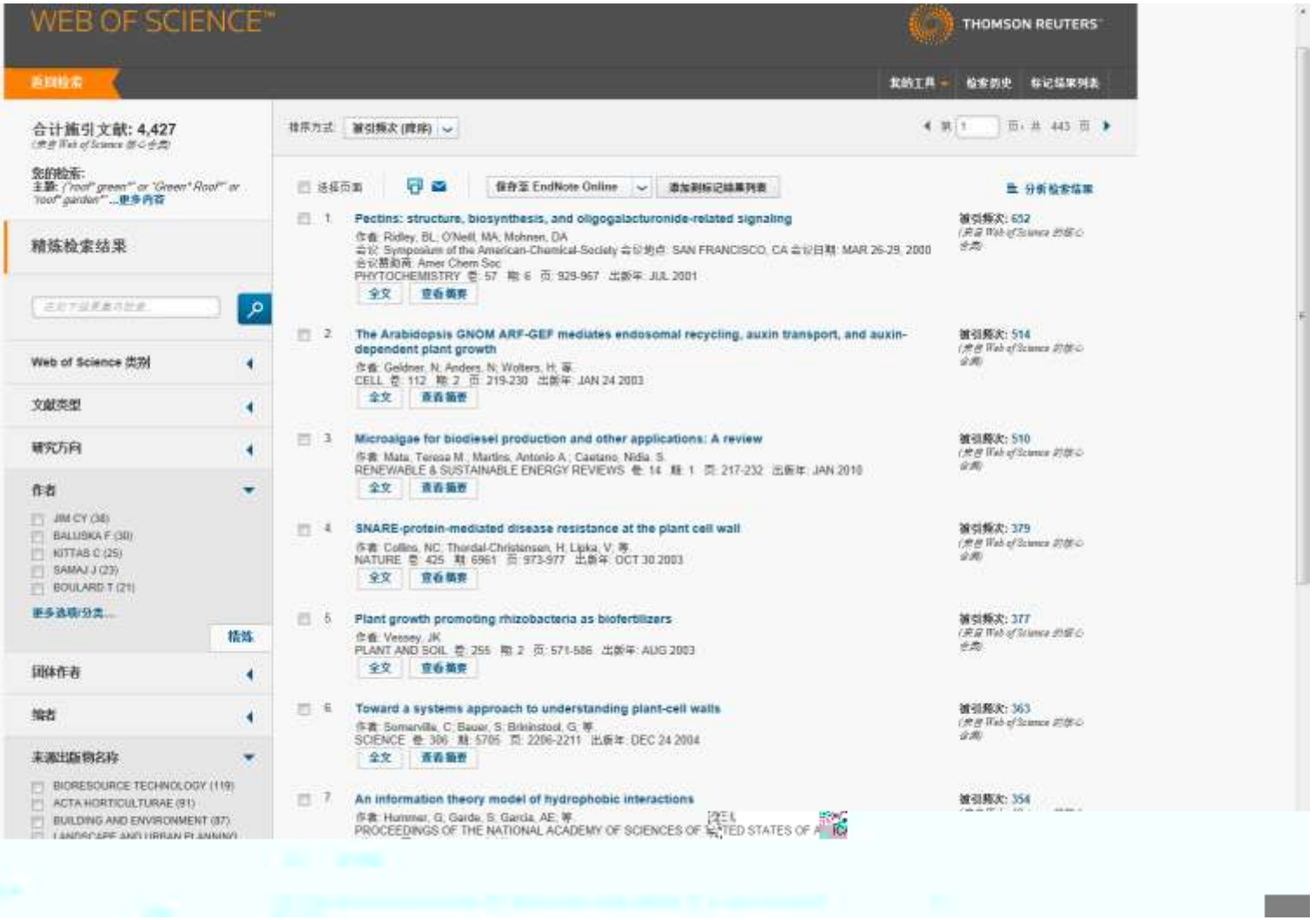

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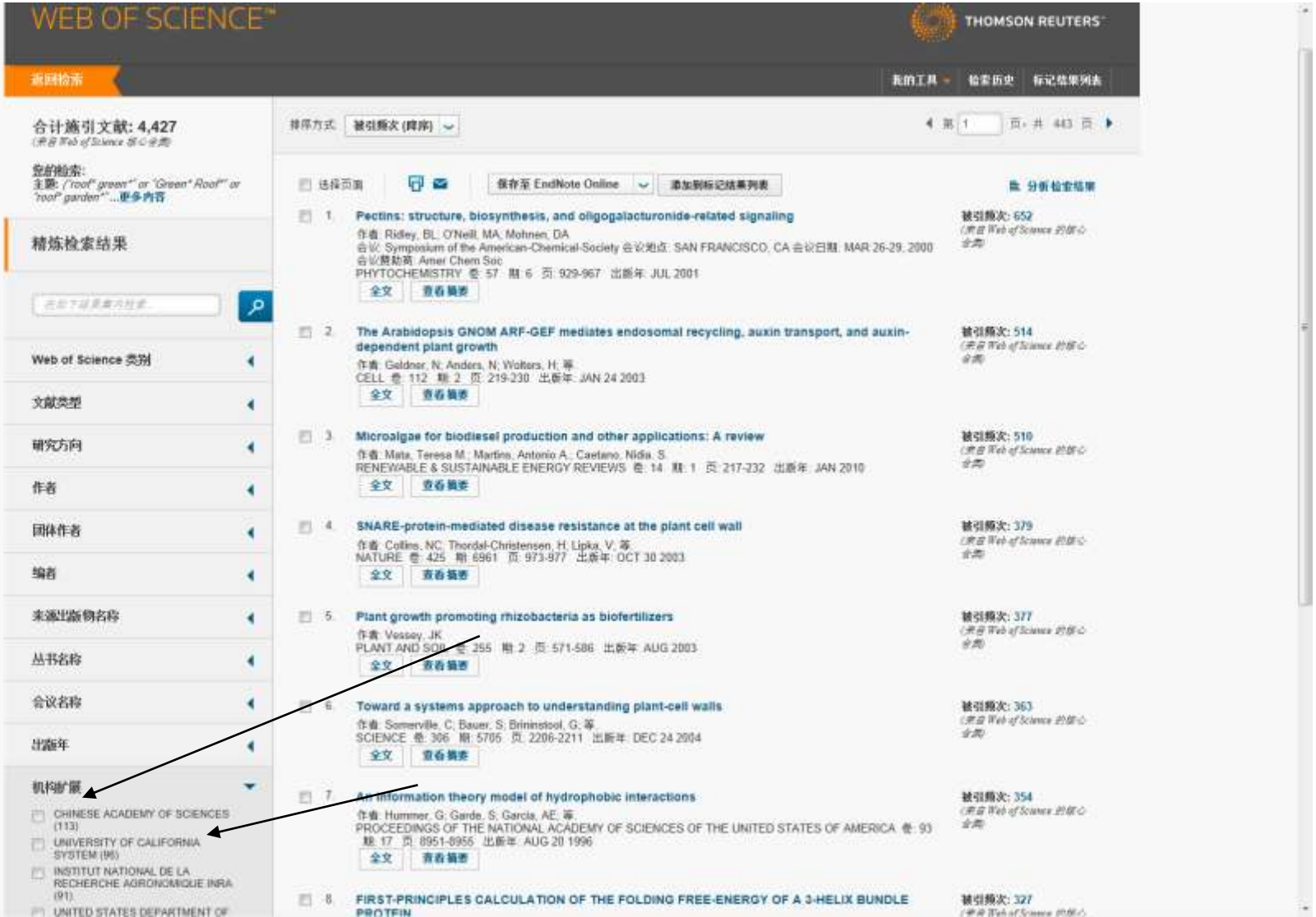

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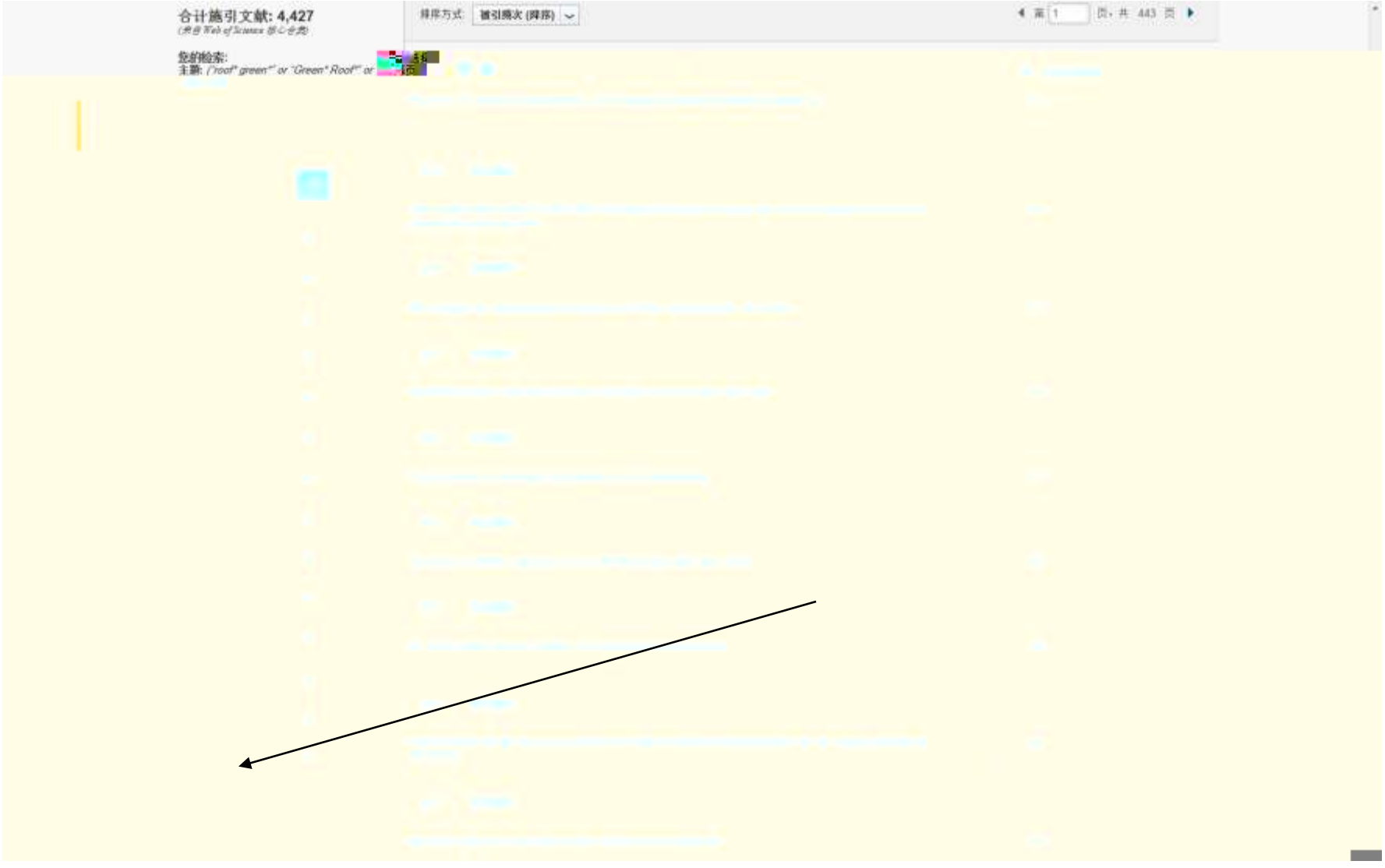

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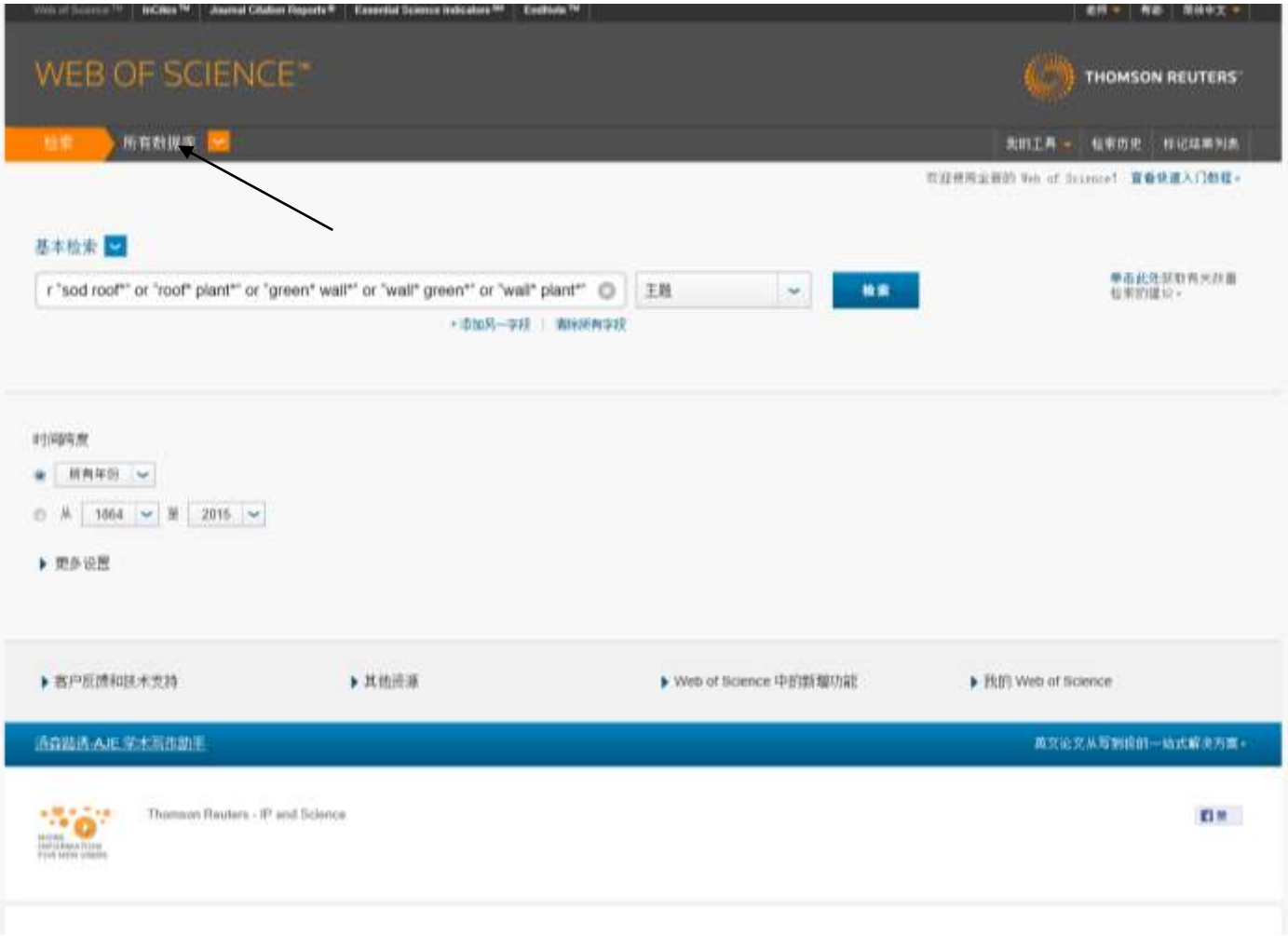

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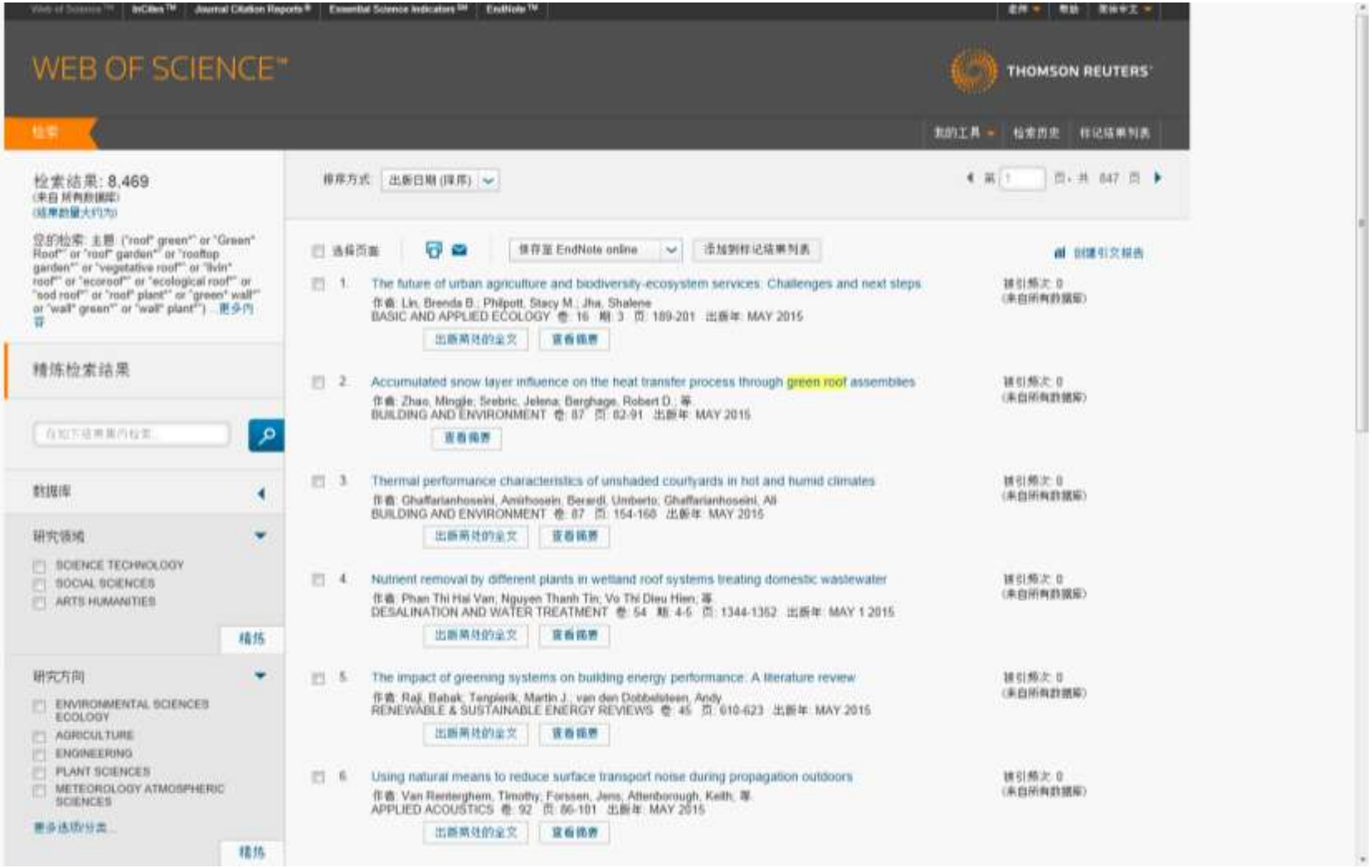

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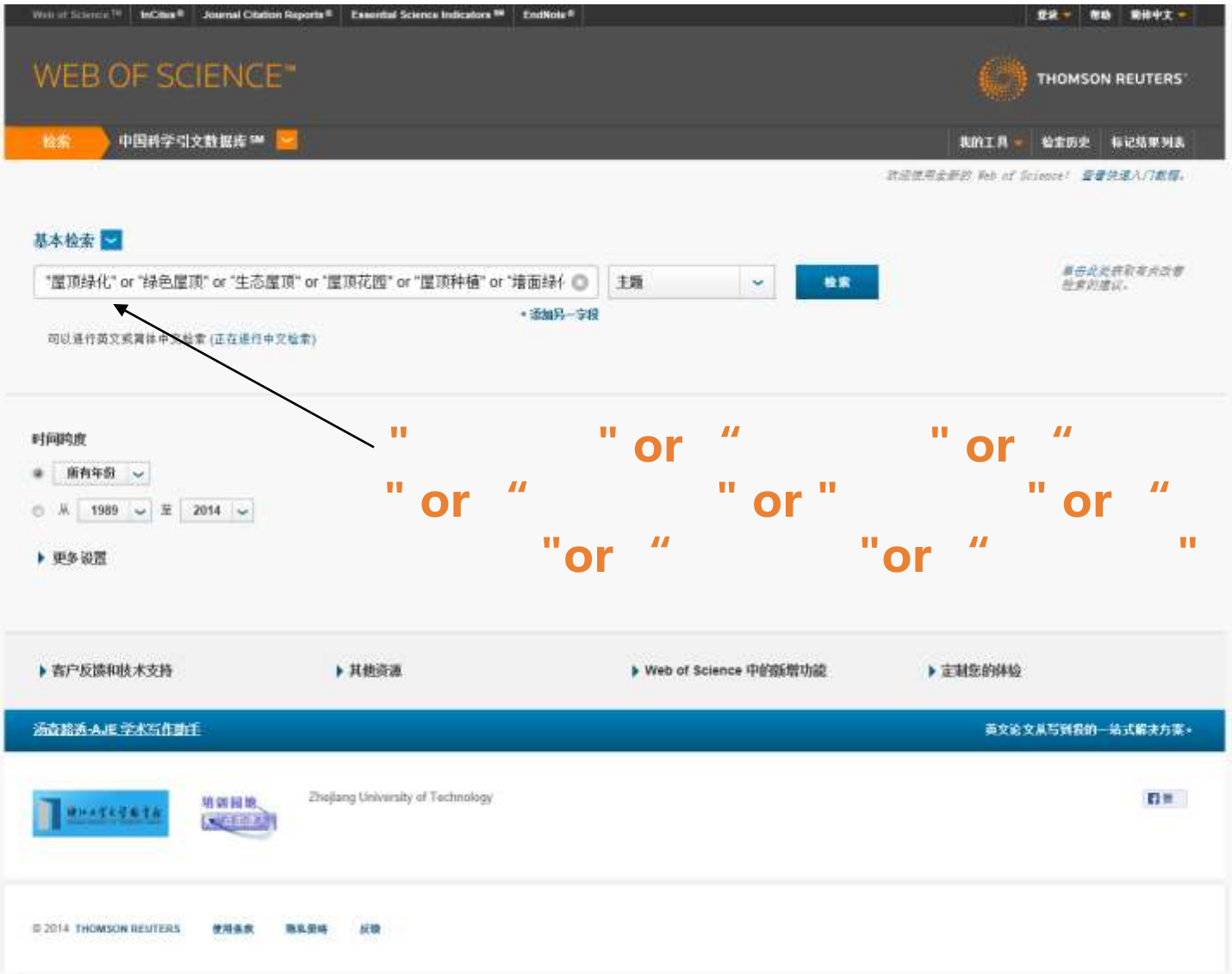

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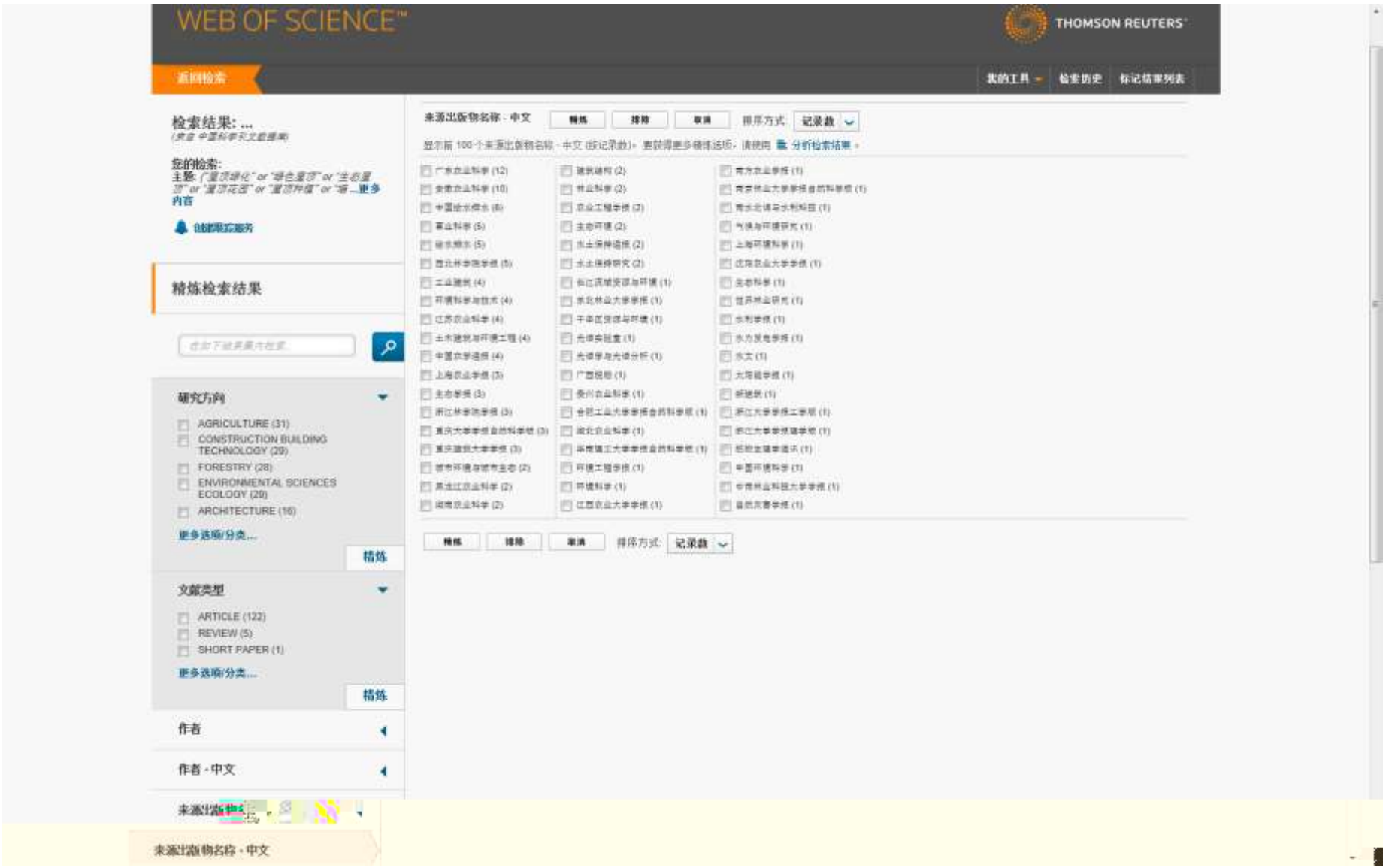

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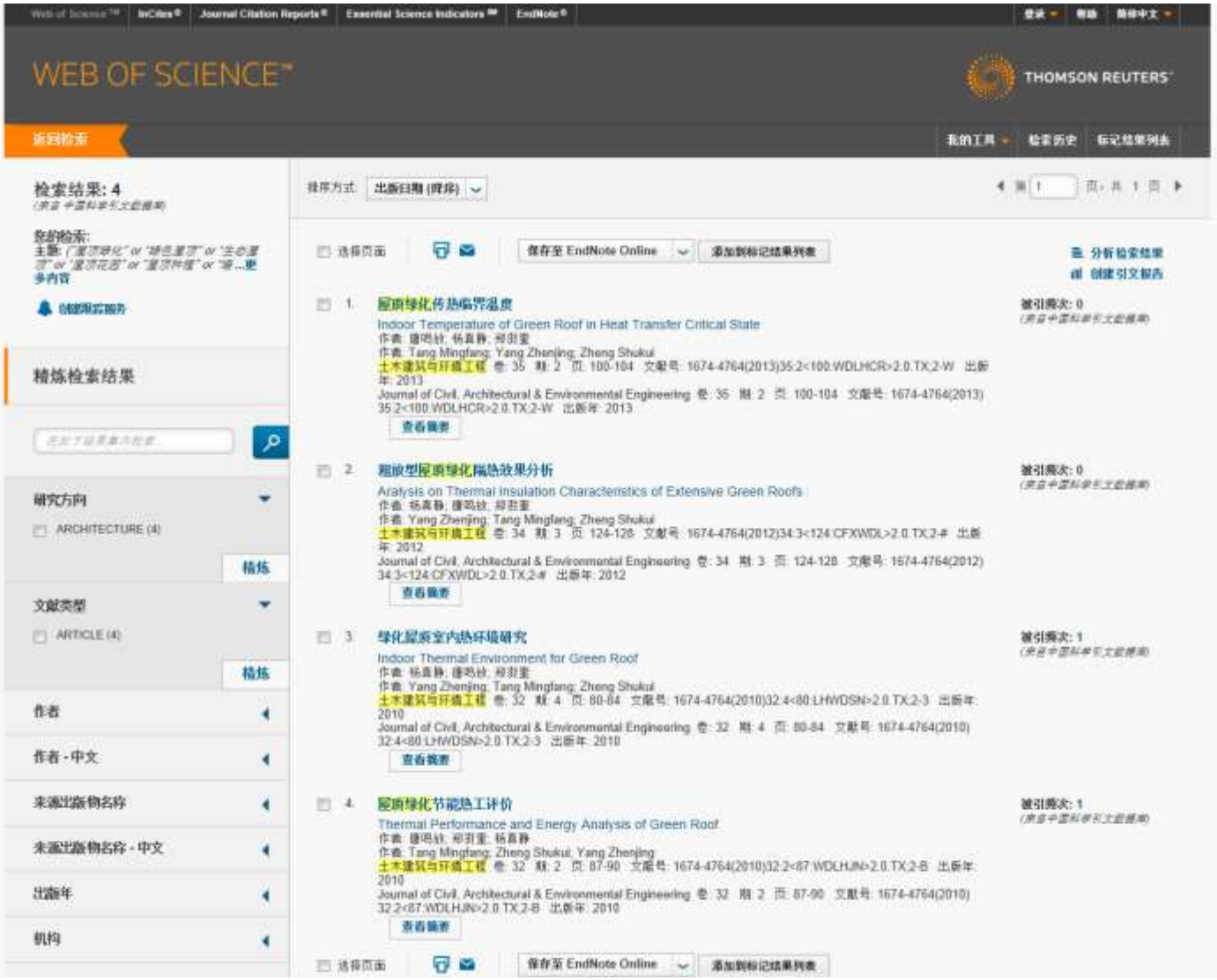

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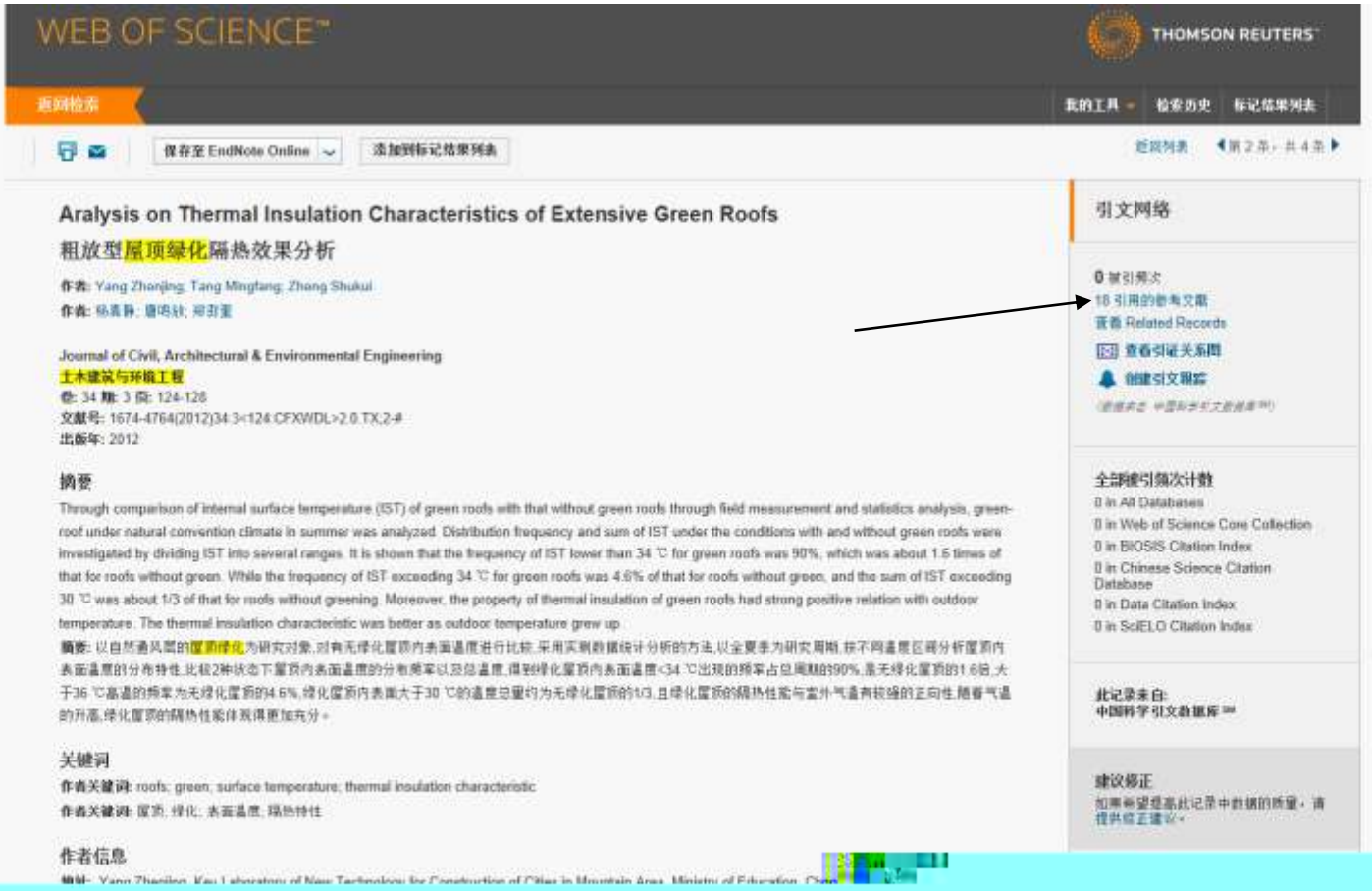

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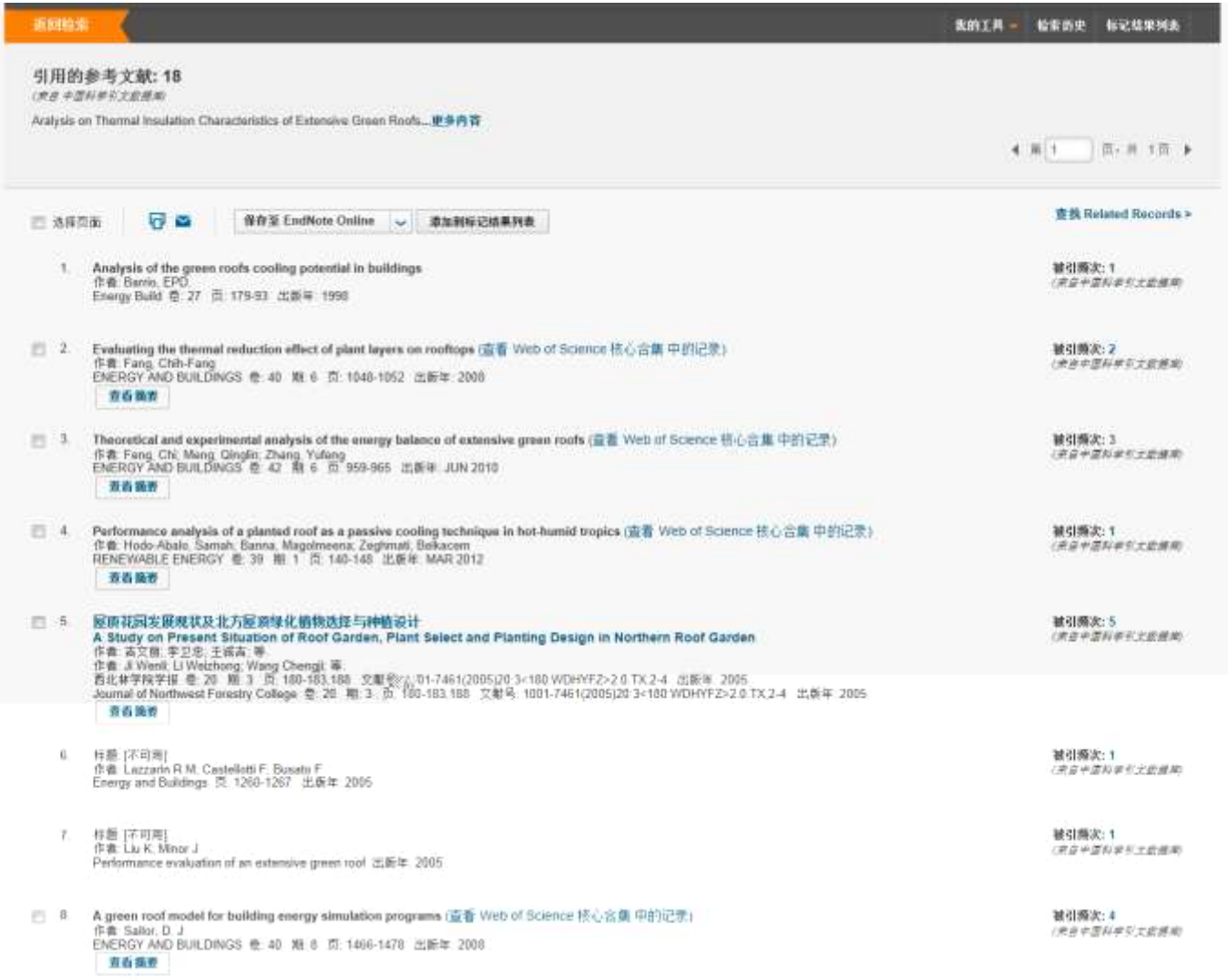

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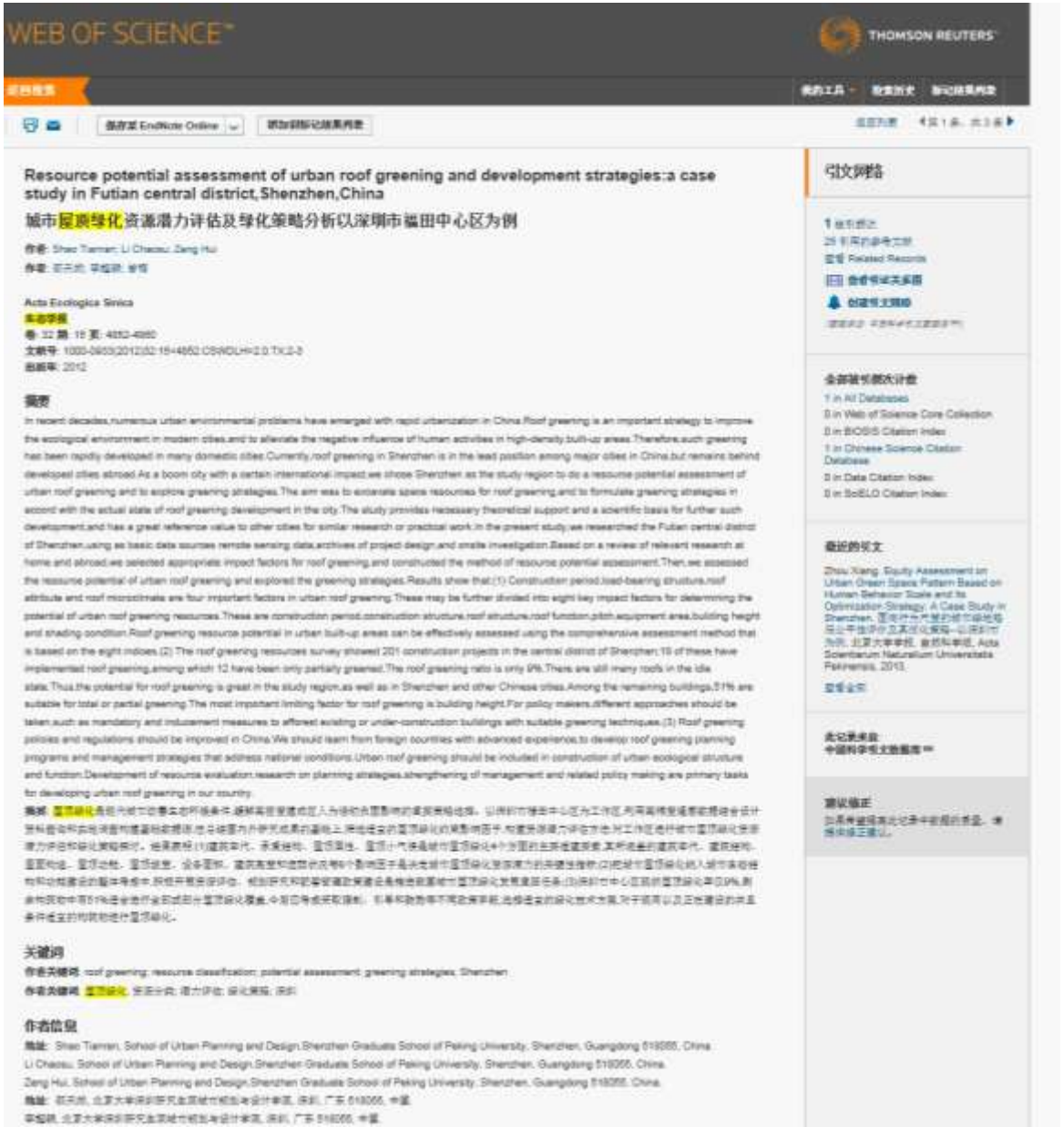

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Resource potential assessment of urban roof greening and development strategies:a case study in Futian central district,Shenzhen,China

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

作者: Shao Tianran; Li Chaosu; Zeng Hui

Acta Ecologica Sinica

卷: 32 期: 15 页: 4852-4860

文献号: 1000-0933(2012)32:15<4852:CSNDLH>2.0.TX;2-3

出版年: 2012

摘要

In recent decades,numerous urban environmental problems have emerged with rapid urbanization in China.Roof greening is an important strategy to improve the ecological environment in modern cities,and to alleviate the negative influence of human activities in high-density built-up areas.Therefore,such greening has been rapidly developed in many domestic cities.Currently,roof greening in Shenzhen is in the lead position among major cities in China,but remains behind developed cities abroad.As a boom city with a certain international impact,we chose Shenzhen as the study region to do a resource potential assessment of urban roof greening and to explore greening strategies.The aim was to evaluate space resources for roof greening,and to formulate greening strategies in accord with the actual state of roof greening development in the city.The study provides necessary theoretical support and a scientific basis for further such development,and has a great reference value to other cities for similar research or practical work.In the present study,we researched the Futian central district of Shenzhen,using as basic data sources remote sensing data,archives of project design,and onsite investigation.Based on a review of relevant research at home and abroad,we selected appropriate impact factors for roof greening,and constructed the method of resource potential assessment.Then,we assessed the resource potential of urban roof greening and explored the greening strategies.Results show that:(1) Construction period,load-bearing structure,roof attribute and roof microclimate are four important factors in urban roof greening.These may be further divided into eight key impact factors for determining the potential of urban roof greening resources.These are construction period,construction structure,roof structure,roof function,pitch,equipment area,building height and shading condition.Roof greening resource potential in urban built-up areas can be effectively assessed using the comprehensive assessment method that is based on the eight indices.(2) The roof greening resources survey showed 201 construction projects in the central district of Shenzhen;15 of these have implemented roof greening,among which 12 have been only partially greened.The roof greening ratio is only 9%.There are still many roofs in the idle state.Thus,the potential for roof greening is great in the study region,as well as in Shenzhen and other Chinese cities.Among the remaining buildings,51% are suitable for total or partial greening.The most important limiting factor for roof greening is building height.For policy makers,different approaches should be taken,such as mandatory and inducement measures to afforest existing or under-construction buildings with suitable greening techniques.(3) Roof greening policies and regulations should be improved in China.We should learn from foreign countries with advanced experience,to develop roof greening planning programs and management strategies that address national conditions.Urban roof greening should be included in construction of urban ecological structure and function.Development of resource evaluation research on planning strategies,strengthening of management and related policy making are primary tasks for developing urban roof greening in our country.

关键词

作者关键词: roof greening; resource classification; potential assessment; greening strategies; Shenzhen

作者信息

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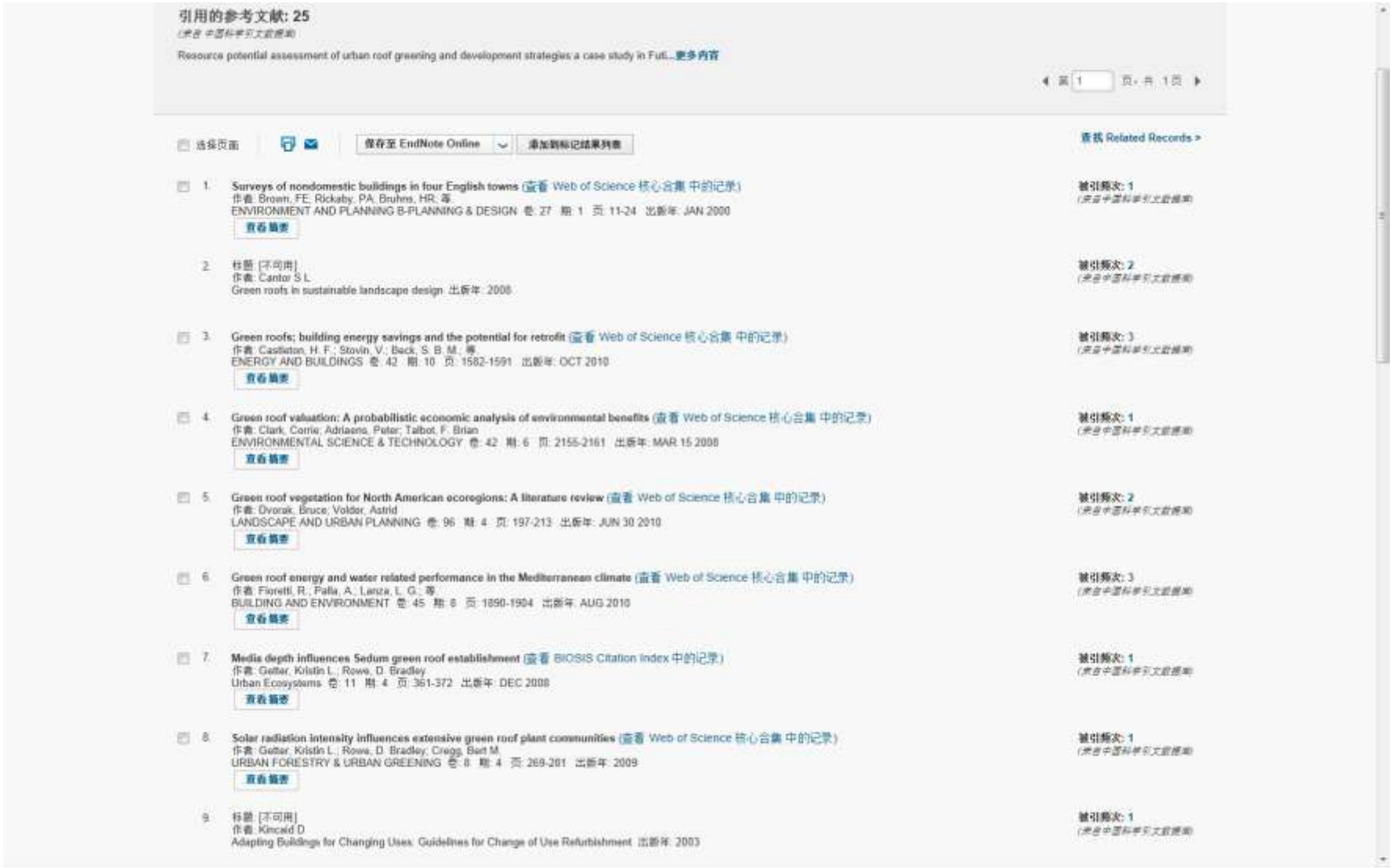

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材料科学领域之内或与之接近的其他重要研究前沿是太阳能电池、燃料电池和聚合作用。一些未做标记的较小圆圈代表塑性大块金属玻璃、负折射率材料、超疏水表面以及用于组织工程的类骨材料。

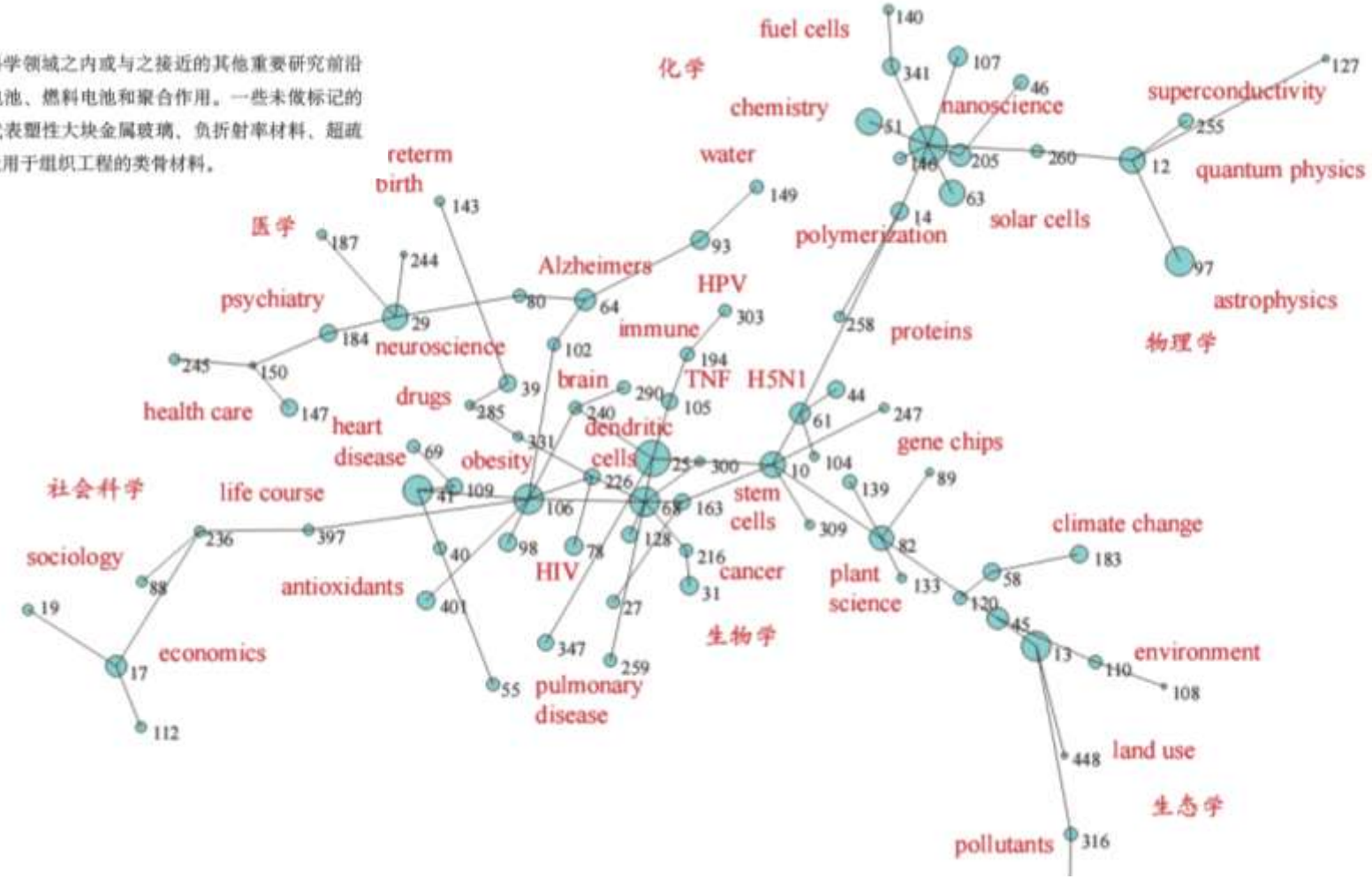
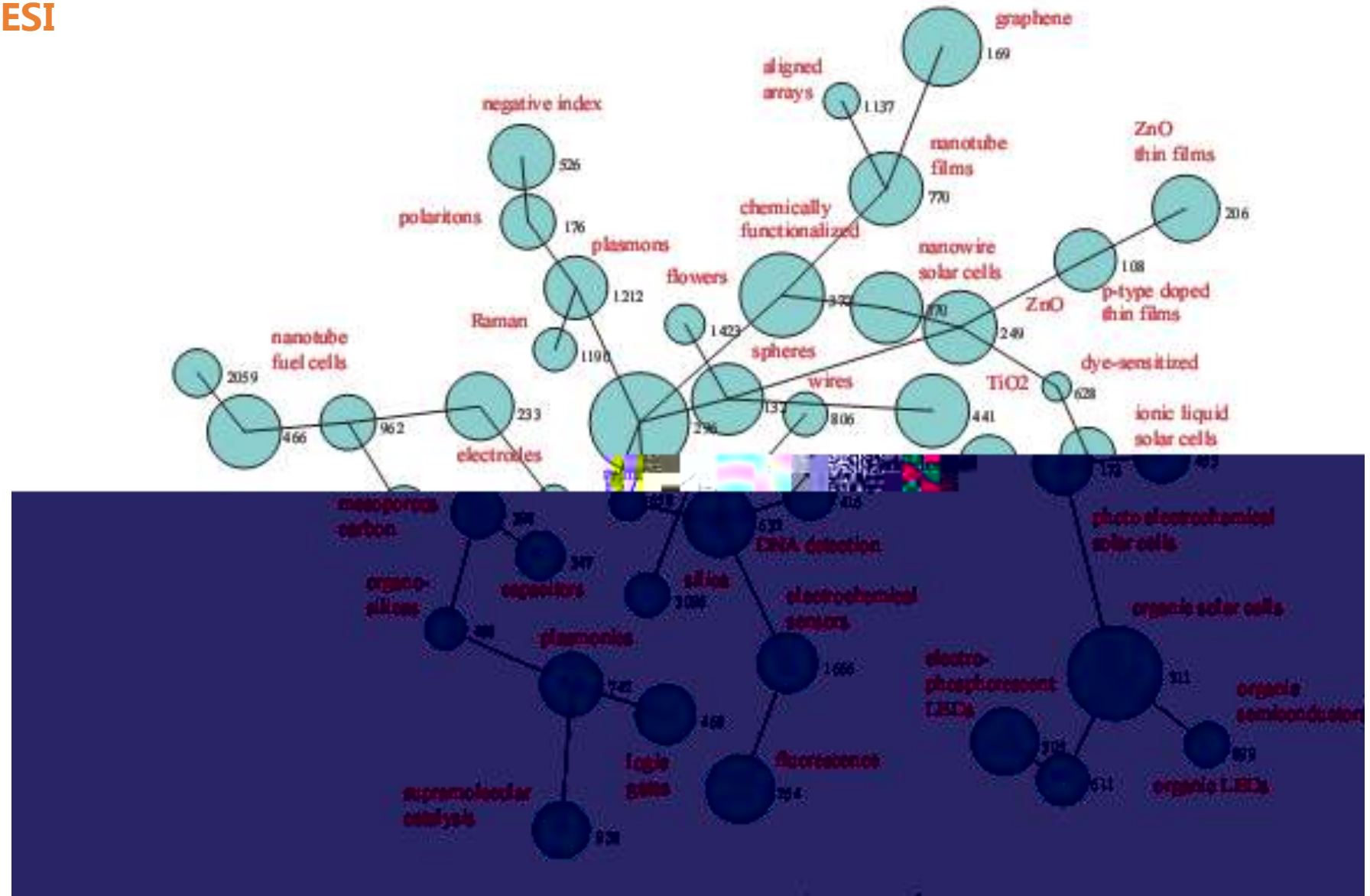


图3 *Essential Science Indicators* 中基于研究前沿数据的全局科学关系图。研究前沿是相关高被引论文(在其发表年份和领域按被引次数位于前1% 的论文)的聚类。该图提示了学科领域及专业主题及其基于引用联系的关系[4]。每个圆圈代表一个研究前沿或关于相关领域的广泛研究主题的多个研究前沿的聚类。每个圆圈的大小与其代表的专业领域内的论文数量呈比例。圆圈之间的连线表示一个领域与另一个领域之间关联的密切程度。标签反映了广泛研究领域和子领域

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



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	[illegible]	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	[illegible]	37	[illegible]	[illegible]

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

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

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期刊或论文的人工标引和分类，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结。

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。

问题？
谢谢！