

Essential Science IndicatorsSM

Essential Science IndicatorsSM (ScienceTM

ESI)

Web of

ESI

ESI

ESI 22

ESI

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10,000 Web of Science

SCI/SSCI

Article Review

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22

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ESI

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ESI
ESI InCites Web of Science

Essential Science IndicatorsSM

<https://esi.incites.thomsonreuters.com/>

InCitesTM



ESI

ESI


- **A** ESI (Indicators) (Field
Baseline) ESI (Citation Thresholds)
- **B** PDF CSV XLS

- 1% ESI
- ESI
- ESI

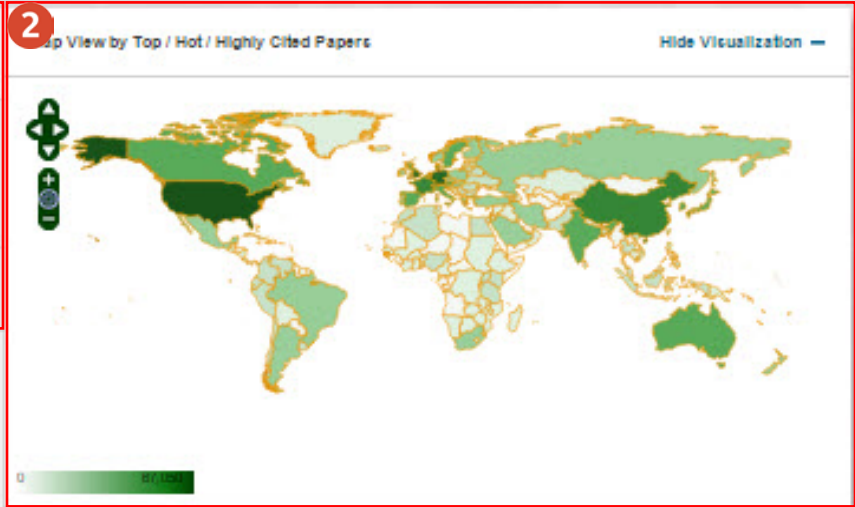
Top Papers by Research Field

1 Results List

Research Fields

Filter Results By 
Changing the filter field removes all current filters.
Add Filter >

Include Results For
Top Papers



3 Report View by Selection Customize 

Total: 22	Research Fields	Web of Science Documents	Cites 	Cites/Paper	Top Papers 
1	CLINICAL MEDICINE	2,370,357	30,526,208	12.88	
2	CHEMISTRY	1,481,267	18,762,848	12.67	
3	PHYSICS	1,140,909	12,029,253	10.54	
4	BIOLOGY & BIOCHEMISTRY	669,984	11,277,614	16.83	
5	MOLECULAR BIOLOGY & GENETICS	392,543	10,049,840	25.60	
6	NEUROSCIENCE & BEHAVIOR	466,271	8,414,155	18.05	
7	MATERIALS SCIENCE	640,179	6,020,363	9.40	
8	ENGINEERING	1,008,742	5,950,722	5.90	
9	PLANT & ANIMAL SCIENCE	657,892	5,809,024	8.83	
10	SOCIAL SCIENCES	739,761	4,669,516	6.31	

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Visualization

Show Visualization Hide

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Customize

1% *ESI*

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Indicators

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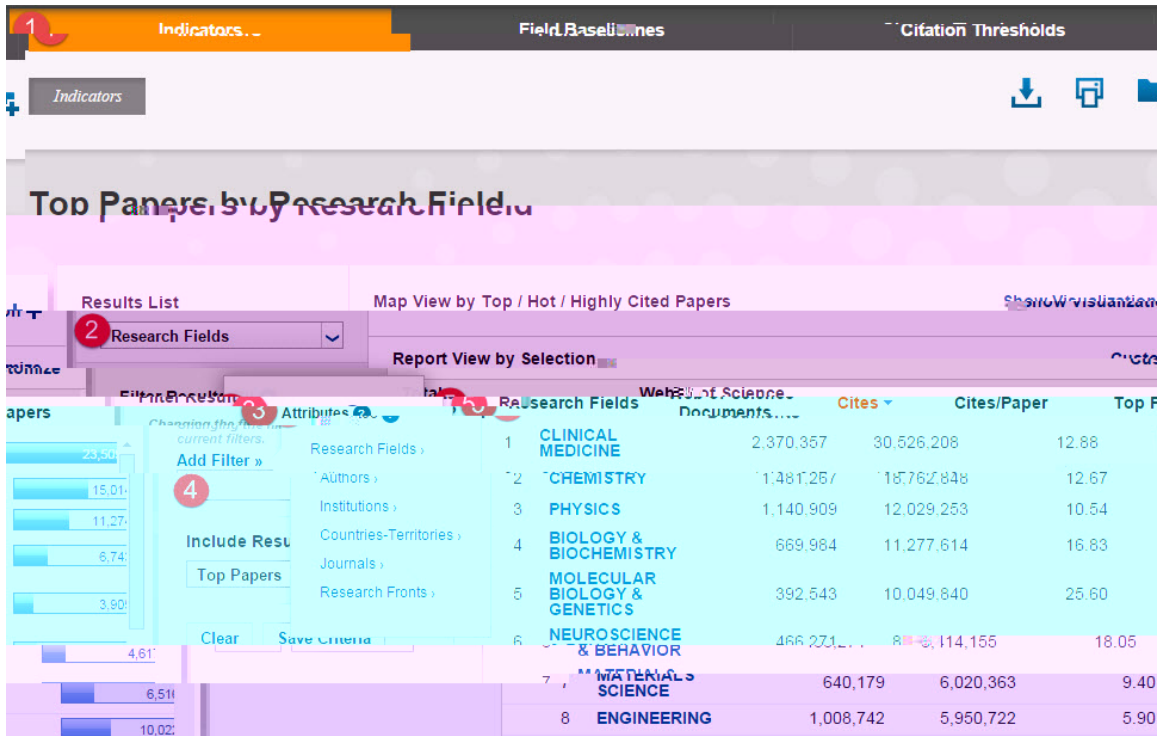
Research Fields

3

Add Filter

Institutions

4



ESI

1%

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Tianjin Normal Univ

3

1% ESI

4

All Fields

1% ESI

Indicators | Field Baselines | Citation Thresholds

Indicators

Highly Cited Papers by Research Fields

Results List: Research Fields

Filter Results By: TIANJIN NORMAL UNIV

Include Results For: Highly Cited Papers

Map View by Top / Hot / Highly Cited Papers

Report View by Selection

Total:	Research Fields	Web of Science Documents	Citations	Citations per Paper	Highly Cited Papers
3	1 CHEMISTRY	841	9,053	10.76	
4	0 ALL FIELDS	1,669	14,421	8.6	



Indicators -

Documents

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Customize Documents

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ESI

Web of Science

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10 20 50



Indicators Documents

Papers by Research Field

Citation Trends

Sort By: Citations 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Customize Documents

10 of 12

Documents

Filter Results By

Add Filter

TIANJIN NORMAL UNIV

Include Results For

Highly Cited Papers

Clear Save Criteria

1 MOLECULAR TECTONICS OF MIXED-LIGAND METAL-ORGANIC FRAMEWORKS: POSITIONAL ISOMERIC EFFECT, METAL-DIRECTED ASSEMBLY, AND STRUCTURAL DIVERSIFICATION

By: DU, M.; JIANG, X.J.; ZHAO, X.J.

Source: INORG CHEM 46 (10): 3984-3995 MAY 14 2007

Research Fields: CHEMISTRY

Times Cited: 173

2 ROLE OF SOLVENTS IN COORDINATION SUPRAMOLECULAR SYSTEMS

By: LI, CP.; DU, M.

Source: CHEM COMMUN 47 (21): 5958-5972 2011

Research Fields: CHEMISTRY

Times Cited: 195

3 MOLECULAR TECTONICS OF METAL-ORGANIC FRAMEWORKS (MOFs): A RATIONAL DESIGN STRATEGY FOR UNUSUAL MIXED-CONNECTED NETWORK TOPOLOGIES

By: DU, M.; ZHANG, ZH.; TANG, LF.; et al

Source: CHEM-EUR J 13 (9): 2578-2586 2007

Research Fields: CHEMISTRY

Times Cited: 173

4 CONTROLLED ASSEMBLY OF METAL-DIRECTED COORDINATION POLYMERS UNDER DIVERSE CONDITIONS: A CASE STUDY OF THE M-II-H(3)TMA/BPT MIXED-LIGAND SYSTEM

By: DU, M.; JIANG, X.J.; ZHAO, X.J.

Source: INORG CHEM 45 (10): 3998-4006 MAY 15 2006

Research Fields: CHEMISTRY

Show 0 references

1%

1

2

" Clinical Medicine"

" Highly Cited

Papers"

3

Indicators-Documents

4

" Add Filter"

" Institution"

" Xuzhou"

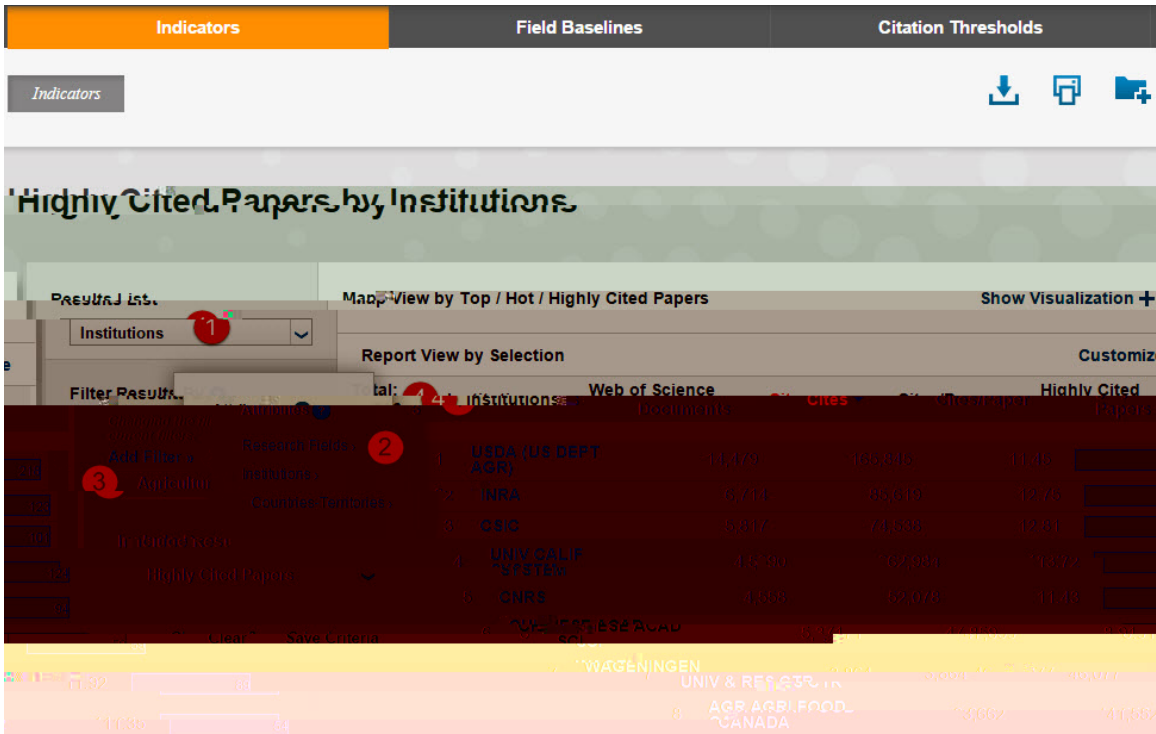
" Xuzhou Med Coll

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2

The screenshot displays a dashboard with three main tabs: Indicators (selected), Field Baselines, and Citation Thresholds. Below the tabs, there are icons for download, copy, and share. The main heading is "Highly Cited Papers by Research Fields". Below this, there are options for "Results List", "Map View by Top / Hot / Highly Cited Papers", and "Show Visualization". A filter menu is open, showing "Research Fields" (1) and "Include Results For" (2) set to "Highly Cited Papers". The table below shows the following data:

Total: 22	Research Fields	Web of Science Documents	Cites	Cites/Paper	High Paper
1	CLINICAL MEDICINE	2,256,253	27,107,932	12.01	2
2	CHEMISTRY	1,400,120	16,958,998	12.11	
3	PHYSICS	1,069,386	10,758,072	10.06	
4	BIOLOGY & BIOCHEMISTRY	630,634	9,812,712	15.56	
5	MOLECULAR BIOLOGY & GENETICS	372,293	8,818,910	23.68	
6	NEUROSCIENCE & BEHAVIOR	442,417	7,449,380	16.84	



ESI

- 1 Research Fronts
- 2 Agricultural Sciences
- 3 Total (Research Fronts)
- 4 (Highly Cited Papers) (Mean Year)



Indicators... Field Baseline... Citation Thresholds

Indicators

Highly Cited Papers by Research Fronts

Results List: Research Fronts (1)

Map View by Top / Hot / Highly Cited Papers Show Visualization +

Report View by Selection Customize

Filter Results By: Total: 409 (3) Research Fronts Highly Cited Papers (5)

Year	Research Fronts	Highly Cited Papers
42	GENOMIC BREEDING VALUES; DIRECT GENOMIC VALUES; DIFFERENT GENOMIC RELATIONSHIP MATRICES; GENOMIC INFORMATION; GENOMIC PREDICTION	1
35	NIR HYPERSPECTRAL IMAGING SYSTEM; INFRARED HYPER SPECTRAL IMAGING; NIR HYPER SPECTRAL IMAGING; HYPER SPECTRAL IMAGING TECHNIQUE; NEAR-INFRARED HYPER SPECTRAL IMAGING	2
32	KEY INVASIVE TOMATO PEST TUTA ABSOLUTA; FIELD-EVOLVED INSECT RESISTANCE; BACILLUS THURINGIENSIS INSECTICIDAL THREE-DOMAIN CRY TOXINS; MULTIPLE BACILLUS THURINGIENSIS TOXINS; BT CROPS	3
31	RICE METAL-NICOTIANAMINE TRANSPORTER; OSNRAMP1; IRON TRANSPORTER; RICE PLANTS (ORYZA SATIVA L.); IRON-DEFICIENT RICE ROOTS; IRON UPTAKE	4

Include Results For: Highly Cited Papers

ESI

1

Field Baseline

Citation Rates

Percentiles

Field Rankings

2

3

ESI 22

2007

Chemistry

18.11

2007

18.11

Indicators		1 Field Baselines		Citation Thresholds						
<p>Field Baselines</p> <p>Baselines are annualized expected citation rates for papers in a research field.</p> <p>Citation Rates are yearly averages of citations per paper.</p>										
Citation Rates		RESEARCH FIELDS	2004	2005	2006	2007	2008	2009	2010	2011
		ALL FIELDS	23.56	21.97	19.83	17.64	16.56	15.36	14.00	13.11
Percentiles		90th	17.99	16.02	14.01	12.00	10.99	9.99	8.99	7.99
		80th	14.31	13.00	11.71	10.40	9.10	7.80	6.50	5.20
Field Rankings		90th	17.99	16.02	14.01	12.00	10.99	9.99	8.99	7.99
		80th	14.31	13.00	11.71	10.40	9.10	7.80	6.50	5.20
		70th	12.50	11.00	9.50	8.00	6.50	5.00	3.50	2.00

ESI

1

Citation Thresholds

ESI

ESI Thresholds

Highly Cited Thresholds

Hot Paper Thresholds

2

3

ESI 22

1%

Chemistry



Citation Thresholds

A citation threshold is the minimum number of citations obtained by ranking papers in a research field in descending order by citation count and then selecting the top fraction or percentage of papers.

The **ESI Threshold** reveals the number of citations received by the top 1% of authors and institutions and the top 5% of countries and journals in a 10-year period.

INDICATOR	RESEARCH FIELDS	AUTHOR	INSTITUTION	COUNTRY	JOURNAL
ESI Thresholds	SCIENCE & TECHNOLOGY	1,000	1,000	1,000	1,000
	PHYSICS & ASTRONOMY	1,000	1,000	1,000	1,000
Hot Paper Thresholds	SCIENCE & TECHNOLOGY	1,000	1,000	1,000	1,000
	PHYSICS & ASTRONOMY	1,000	1,000	1,000	1,000
	ECONOMICS & BUSINESS	1,000	1,000	1,000	1,000
	ENVIRONMENT & ECOSYSTEMS	1,000	1,000	1,000	1,000

- Highly Cited Paper ESI
1%
- Hot Paper ESI
0.1%
- Top Paper
- Research Fronts

- Field Baselines ESI
- Citation Rates
- Percentiles
- Field Rankings
- Citation Thresholds ESI
- **ESI** ESI Thresholds ESI 1%
50%
- Highly Cited Thresholds ESI
1%
- Hot Paper Thresholds ESI
0.1%