

Essential Science IndicatorsSM

Essential Science IndicatorsSM (ESI) Web of ScienceTM 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
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

A

Indicators

Field Baselines

Citation Thresholds

Indicators

B



Top Papers by Research Field

1 Results List

Research Fields

Filter Results By

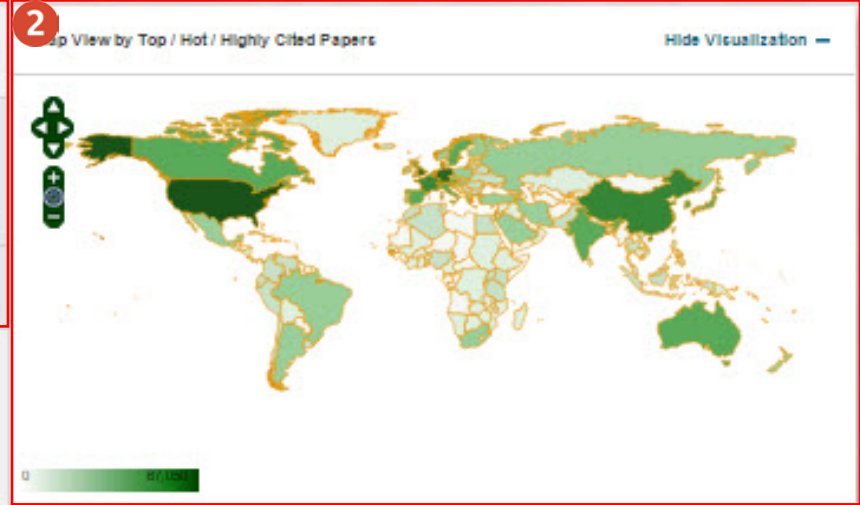
Changing the filter field removes all current filters.

Add Filter

Include Results For

Top Papers

Clear Save Criteria



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	21
2	CHEMISTRY	1,481,267	18,762,848	12.67	15
3	PHYSICS	1,140,909	12,029,253	10.54	11
4	BIOLOGY & BIOCHEMISTRY	669,984	11,277,614	16.83	8
5	MOLECULAR BIOLOGY & GENETICS	392,543	10,049,840	25.60	3
6	NEUROSCIENCE & BEHAVIOR	466,271	8,414,155	18.05	4
7	MATERIALS SCIENCE	640,179	6,020,363	9.40	6
8	ENGINEERING	1,008,742	5,950,722	5.90	10
9	PLANT & ANIMAL SCIENCE	657,892	5,809,024	8.83	6
10	SOCIAL SCIENCES	739,761	4,669,516	6.31	7

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Visualization

Show Visualization Hide

3

Customize

1% *ESI*

1

Indicators

2

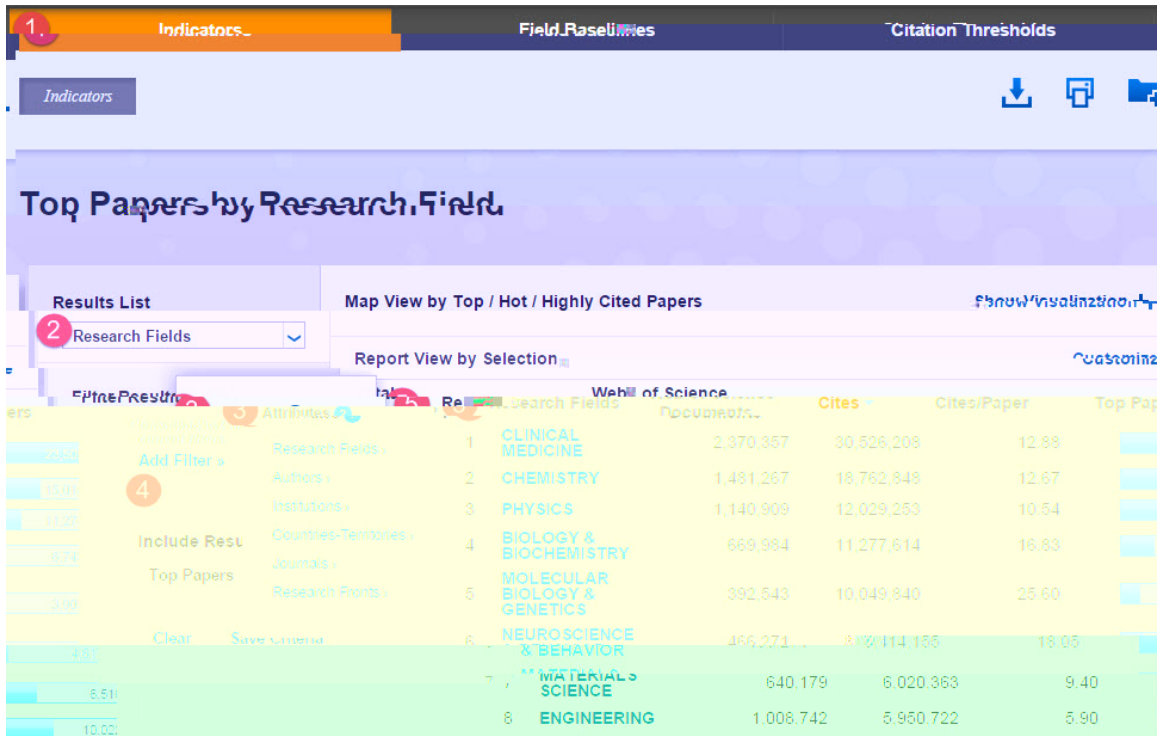
Research Fields

3

Add Filter

Institutions

4



ESI

1%

- 1
- 2
- 3
- 4

Tianjin Normal Univ

1% ESI

1% ESI

Total	Research Fields	Web of Science documents	Citex	CitexRef	Highly Cited Papers
3	1 CHEMISTRY	841	9,053	10.76	
4	0 ALL FIELDS	1,669	14,421		



Indicators -

Documents

1

2

Customize Documents

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ESI

Web of Science

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10 20 50



Papers by Research Field

Citation Trends

Sort By: Citations 1 | 2 | Citations per Document

10 of 12

Documents

Filter Results By ?

Add Filter »

× TIANJIN NORMAL UNIV

Include Results For

Highly Cited Papers

Clear Save Criteria

3	1. MOLECULAR ARCHITECTONICS OF MIXED LIGAND METAL-ORGANIC FRAMEWORKS: POSITIONAL ISOMERIC EFFECT, METAL-DIRECTED ASSEMBLY, AND STRUCTURAL DIVERSIFICATION	4	Times Cited: 237
5	By: DU, M; JIANG, XJ; ZHAO, XJ; Source: INORG CHEM 46 (10): 3984-3995 MAY 14 2007 Research Fields: CHEMISTRY		
	2. ROLE OF SOLVENTS IN COORDINATION SUPRAMOLECULAR SYSTEMS	232	Times Cited: 232
	By: LI, CP; DU, M; Source: CHEM COMMUN 47 (21): 5958-5972 2011 Research Fields: CHEMISTRY		Research Front
	3. MOLECULAR ARCHITONICS OF METAL-ORGANIC FRAMEWORKS (MOFs): A RATIONAL DESIGN STRATEGY FOR UNUSUAL MIXED-CONNECTED NETWORK TOPOLOGIES	195	Times Cited: 195
	By: DU, M; ZHANG, ZH; TANG, LF; et al Source: CHEM-EUR J 13 (9): 2578-2586 2007 Research Fields: CHEMISTRY		
	4. CONTROLLABLE ASSEMBLY OF METAL-DIRECTED COORDINATION POLYMERS UNDER DIVERSE CONDITIONS: A CASE STUDY OF THE M-II(H3)TMA/BPT MIXED-LIGAND SYSTEM	173	Times Cited: 173
	By: DU, M; JIANG, XJ; ZHAO, XJ; Source: INORG CHEM 46 (10): 3996-4005 MAY 14 2007 Research Fields: CHEMISTRY		

6

1%

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" Clinical Medicine"

" Highly Cited

Papers"

3

Indicators-Documents

4

" Add Filter"

" Institution"

" Xuzhou"

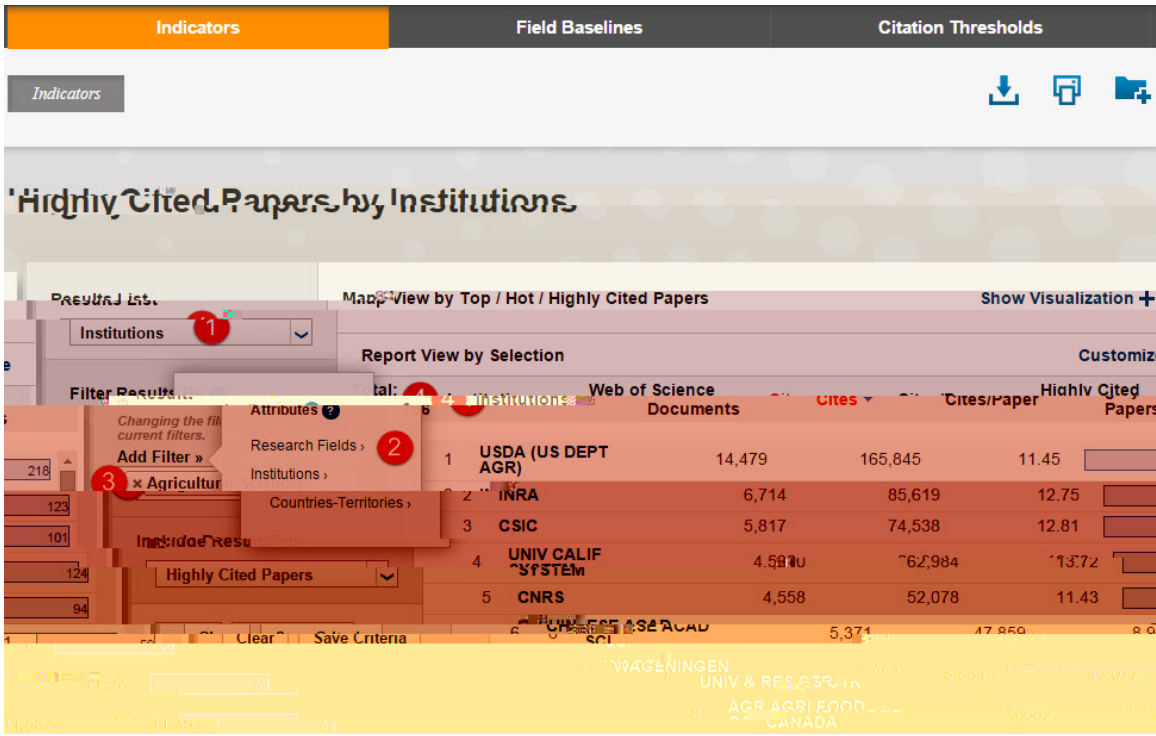
" Xuzhou Med Coll

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The screenshot shows a web interface for a research database. At the top, there are three tabs: "Indicators" (selected), "Field Baselines", and "Citation Thresholds". Below the tabs, there is a header "Indicators" and a search bar. The main content area is titled "Highly Cited Papers by Research Fields". A table is displayed with the following columns: Rank, Research Fields, Web of Science Document, Cites, and High Cited Paper. A filter menu is open over the table, showing options like "Add Filter", "Include Results For", and "Highly Cited Papers". A red circle highlights the "Highly Cited Papers" option in the filter menu. Another red circle highlights the "Highly Cited Paper" column in the table.

Rank	Research Fields	Web of Science Document	Cites	High Cited Paper
1	CRITICAL MEDICINE	2,200,233	27,407,352	12.04
2	CHEMISTRY	1,400,120	16,308,398	12.11
3	PHYSICS	1,000,380	10,745,072	10.76
4	BIOLOGY & BIOCHEMISTRY	3,000,001	3,732,742	12.56
5	MOLECULAR BIOLOGY & GENETICS	3,200,000	3,715,878	11.62
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		1 Field Baselines		Citation Thresholds						
<p>Field Baselines Baselines are annualized expected citation rates for papers in a research field. Citation Rates are yearly averages of citations per paper.</p>										
Citation Rates		3 RESEARCH FIELDS	2004	2005	2006	2007	2008	2009	2010	2011
ALL FIELDS			23.56	21.87	19.83	17.9	15.56	13.38	10.90	8.11
AGRICULTURE & FORESTRY SCIENCES			17.66	16.42	14.91	12.84	10.43	8.66	7.19	
BIOLOGY & BIOCHEMISTRY			34.31	31.36	28.23	24.92	21.90	18.96	15.00	
CHEMISTRY			22.01	20.90	18.11	16.01	14.00	11.00	8.00	
COMPUTER SCIENCE			7.00	7.00	6.00	5.00	4.00	3.00	2.00	

ESI

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Citation Thresholds

ESI

ESI Thresholds

Highly Cited Thresholds

Hot Paper Thresholds

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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 50% of countries and journals in a 10-year period.

RESEARCH FIELD	AUTHOR...	INSTITUTION	JOURNAL	COUNTRY
ESI Thresholds				
AGRICULTURAL SCIENCES	25350	474332	1298	
BIOLOGY & BIOCHEMISTRY	863	5549	5947	
Highly Cited Thresholds				
CHEMISTRY	1353	5510	4909	
CLINICAL MEDICINE	1726	1778	3519	
Hot Paper Thresholds				
COMPUTER SCIENCE	250	2276	1007	
ECONOMICS & BUSINESS	330	3520	879	
ENGINEERING	377	15356	14	
ENVIRONMENT/ECOLOGY	565	3208	22	

- 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%