REUTERS/Ilya Naymushin

一流的信息服务推动一流的大学建设

Keith MacGregor, 全球执行副总裁

岳卫平，首席科学与解决方案顾问

汤森路透知识产权与科技集团

THOMSON REUTERS

提纲

- **祝贺CALIS引进数据库培训周十周年**

- **汤森路透简介**

- **信息服务助力大学建设**
  - 成果
  - 对比
  - 展望

THOMSON REUTERS

CALIS Annual Meeting 10th Anniversary !

- **CALIS annual meeting is an excellent opportunity for us to create even stronger partnerships with librarians**

- **Thomson Reuters has worked closely with CALIS since their first meeting in 2002 in Xiamen.**

Thomson Reuters focuses on customer needs

- **With help of librarians, we provide various training to our customers, including on-site training and on-line training .**
- **We also collect customer's feedback to improve our database and ensure we are meeting your needs**

Training Design based on Workflow & Personas

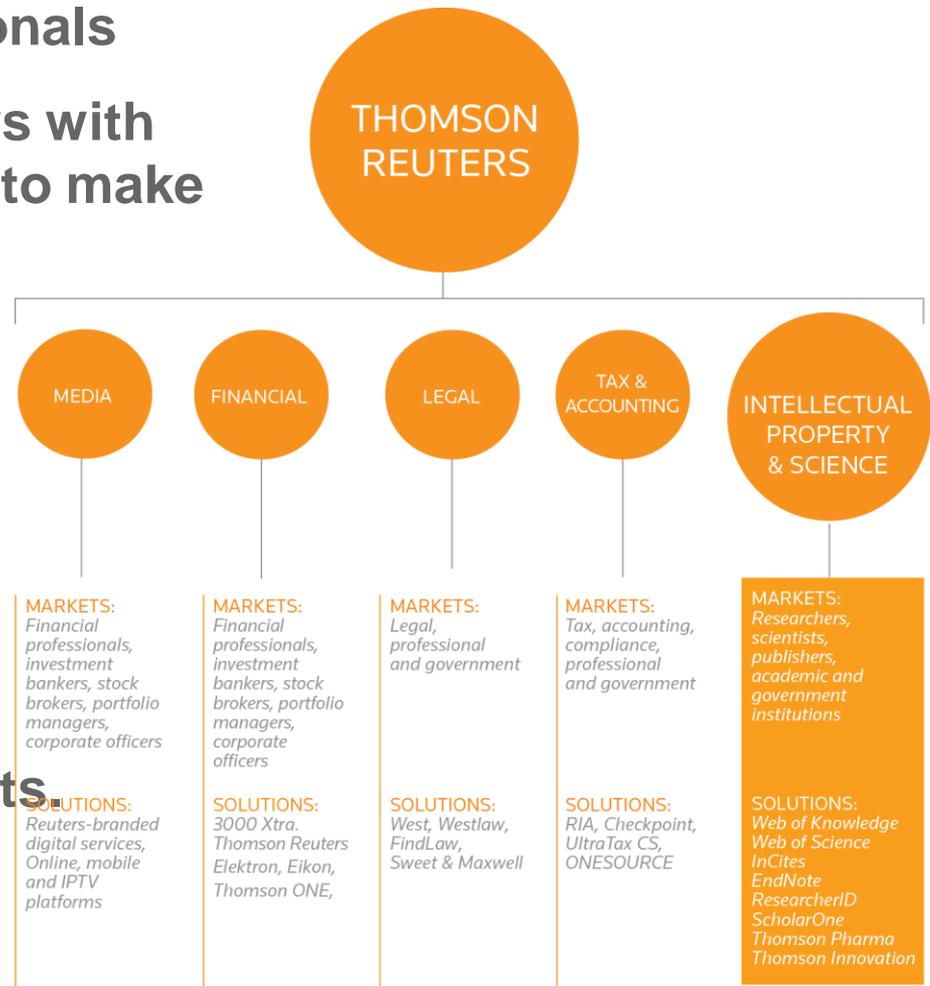On-Site Workshops

提纲

- 祝贺CALIS引进数据库培训周十周年

- **汤森路透简介**

- 信息服务助力大学建设
  - 成果
  - 对比
  - 展望

THOMSON REUTERS

THOMSON REUTERS OVERVIEW

- **The world's leading source of intelligent information for businesses and professionals**

- **Providing decision makers with the knowledge they need to make better decisions faster**

- **We combine industry expertise with innovative technology to deliver critical information to leading decision makers in the financial, legal, tax and accounting, science and media markets.**

THOMSON REUTERS

MEDIA

FINANCIAL

LEGAL

TAX & ACCOUNTING

INTELLECTUAL PROPERTY & SCIENCE

MARKETS:
Financial professionals, investment bankers, stock brokers, portfolio managers, corporate officers

SOLUTIONS:
Reuters-branded digital services, Online, mobile and IPTV platforms

MARKETS:
Financial professionals, investment bankers, stock brokers, portfolio managers, corporate officers

SOLUTIONS:
3000 Xtra. Thomson Reuters Elektron, Eikon, Thomson ONE,

MARKETS:
Legal, professional and government

SOLUTIONS:
West, Westlaw, FindLaw, Sweet & Maxwell

MARKETS:
Tax, accounting, compliance, professional and government

SOLUTIONS:
RIA, Checkpoint, UltraTax CS, ONESOURCE

MARKETS:
Researchers, scientists, publishers, academic and government institutions

SOLUTIONS:
Web of Knowledge Web of Science InCites EndNote ResearcherID ScholarOne Thomson Pharma Thomson Innovation

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6

OUR BUSINESS

INTELLECTUAL PROPERTY (IP) & SCIENCE

Scientific & Scholarly Research	Life Sciences	IP Solutions

Innovation Lifecycle

DISCOVER	DEVELOP	DELIVER
Basic Research	**Applied Research**	**Commercialization**
Funding — Research — Collaboration	Planning — Research — Development	IP Creation — Protection — Exploitation
Connecting the scientific community to the world's best science	**Driving more effective and innovative research and development**	**Commercializing and protecting the world's most valuable inventions**

THOMSON REUTERS

STRONG CUSTOMER RELATIONSHIPS

IP & Science: strong relationships with the world's leading corporations, universities, publishers, law firms and governments

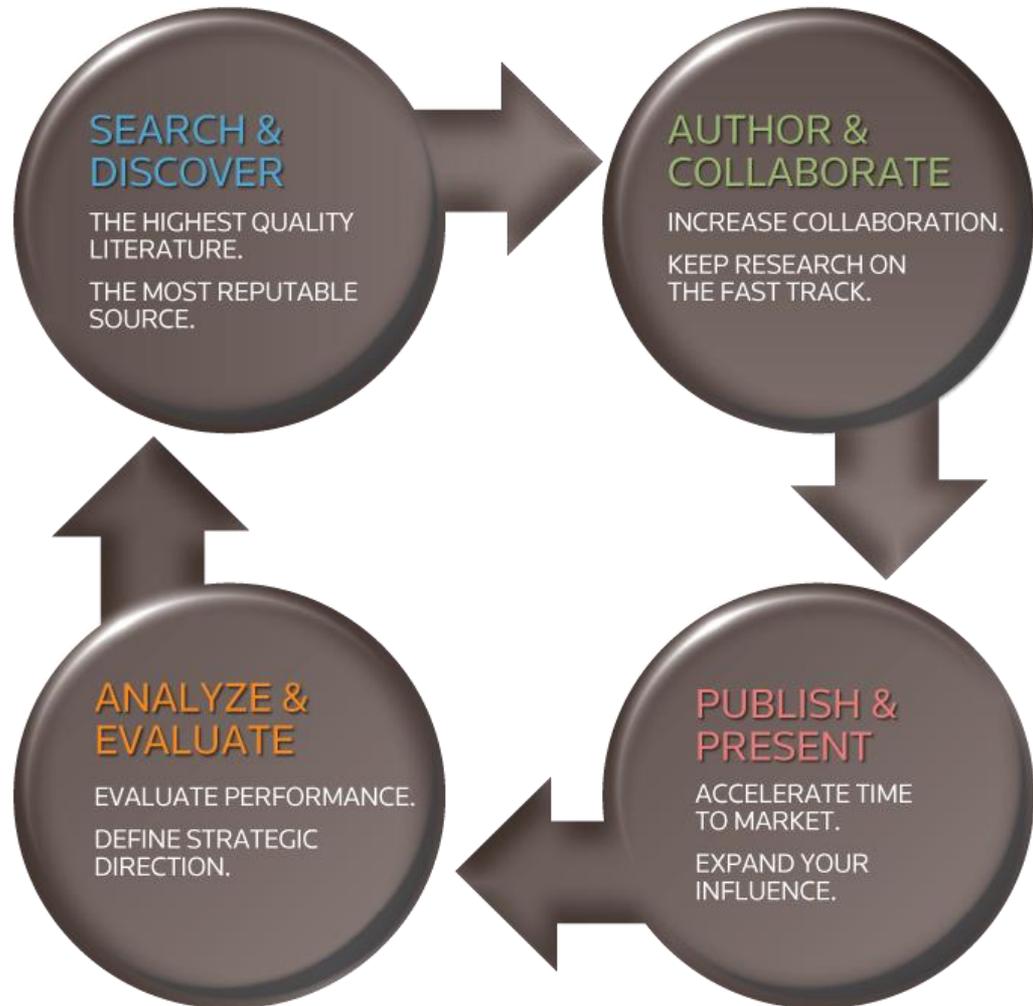| Government	Academia	Corporate	Legal
• Strong relationships with governments in all continents	• 6000+ research institutions	• 1,800 Pharma and Biotech customers, 90% of Top Pharma companies	• 10,000 law firm customers use Westlaw IP for IP legal research and litigation support
• Industry standard metrics for scientific publishing	• 4000+of the world's leading scientific, technical, and medical journals	• Over 12,000 corporate Patent and Trademark customers	• Insights and information delivered via the Westlaw platform to address the specific needs of legal IP professionals
• Government and funding organizations and patent offices	• Leading non-profit R&D funding organizations	• Deliver critical content and intelligence for clients to drive innovation and maximize the value of intellectual assets	
• Global standard for research evaluation and management			

SUPPORTING SCIENTIFIC & SCHOLARLY RESEARCH

Providing our customers with the content, tools and services that inspire discovery, foster collaboration and guide key strategic decisions.

SEARCH & DISCOVER

THE HIGHEST QUALITY LITERATURE.

THE MOST REPUTABLE SOURCE.

AUTHOR & COLLABORATE

INCREASE COLLABORATION.

KEEP RESEARCH ON THE FAST TRACK.

ANALYZE & EVALUATE

EVALUATE PERFORMANCE.

DEFINE STRATEGIC DIRECTION.

PUBLISH & PRESENT

ACCELERATE TIME TO MARKET.

EXPAND YOUR INFLUENCE.

提纲

- 祝贺**CALIS**引进数据库培训周十周年

- 汤森路透简介

- **信息服务助力大学建设**
  - 成果
  - 对比
  - 展望

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成果—

研究产出与影响力的深入分析

以全球平均影响力为标杆，全面分析机构学术表现
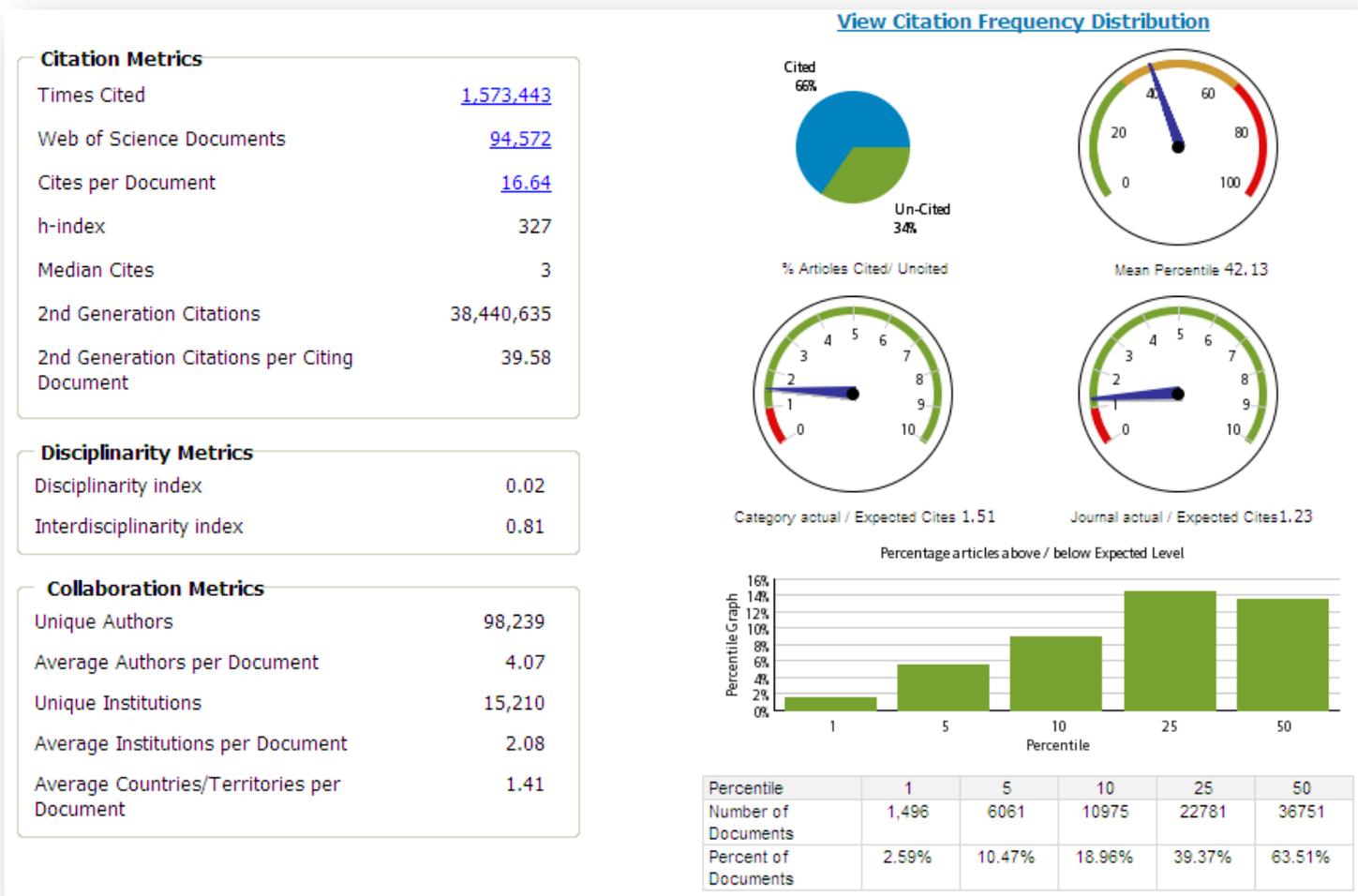
揭示院系研究投入与产出，助力机构整体协调发展

结合院系人员组成与研究产出以影响力，综合分析院系研究绩效

透视院系学科交叉性，促进院系与学科配置协调发展
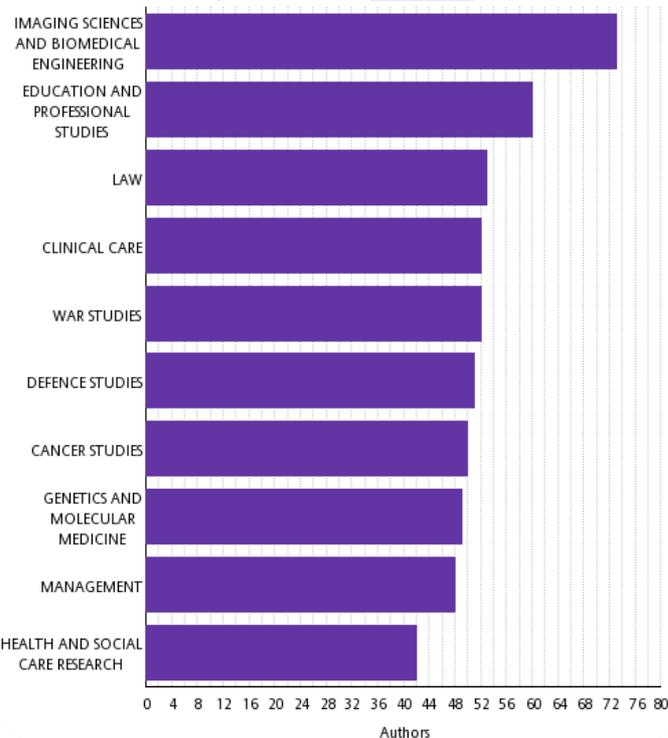
SUBJECT AREA RANKING

Save Print | Select an export option ▼

Viewing Dataset: Kings College London: Author Profile Dataset

临床神经科学

Report Limited To
Dataset: Kings College London: Author...
Report Name: Subject Area Ranking
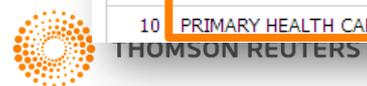Time Period: 1983 - 2011
Departments: CLINICAL NEUROSCIENCES
Additional Information: Cite this report as InCitesTM, Thomson Reuters (2010). Report Created: Dec 13, 2011 Data Processed Jun 10, 2011 5:34:23 PM Data Source: Web of Science ® This data is reproduced under a license from Thomson Reuters. You may not copy or redistribute this data in whole or in part without the written consent of the Science business of Thomson Reuters. Subject area baseline data processed Unavailable

Subject Areas   1 - 20 of 45

可以看到该院系的研究成果在临床神经学、神经科学、遗传学、生物化学与分子生物学、以及精神病学等45个学科的交叉渗透

Times Cited ▼

Rank	Subject Area	Times Cited				ted	Category Actual/Expected Citations	Average Percentile
1	CLINICAL NEUROLOGY	2,4					1.58	44.53
2	NEUROSCIENCES	1,961					1.45	46.17
3	GENETICS & HEREDITY	1,428	35	40.80	16		1.75	4.06	28.57
4	BIOCHEMISTRY & MOLECULAR BIOLOGY	495	30	16.50	11		0.97	1.15	49.10
5	PSYCHIATRY	433	42	10.31	13		0.85	1.19	40.37
6	SURGERY	405	35	11.57	12		1.10	1.37	34.95
7	IMMUNOLOGY	365	3	121.67	2		6.49	39.04	0.01
8	CELL BIOLOGY	288	12	24.00	8		0.77	0.93	50.41
9	ONCOLOGY	208	9	23.11	5		1.34	2.47	37.82
10	PRIMARY HEALTH CARE	123	11	11.18	6		1.47	1.10	29.88

14

聚焦论文影响力，建立有效激励机制

快速锁定优势研究领域的学科带头人，储备学科发展后续力量

- 物理化学领域中科研成果较多的学术带头人

AUTHOR RANKING

Print | Select an export option ▼

Viewing Dataset: Kings College London: Author Profile Dataset

快速锁定优势研究领域背后的学科带头人，为学科发展储备后续力量

2010). Report Created: Dec 13, 2011 Data Processed Jun 10, 2011 5:34:23 PM Data Source: Web of Science ® This data is
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navailable

Sort By | Times Cited ▼

Authors 1 - 20 of 1,329

Rank	Author	Times Cited	Web of Science Documents	Average Cites per Document	h-index	Journal Actual/Expected Citations	Category Actual/Expected Citations	Average Percentile
1	Caspi, Avshalom	11,218	137	81.88	51	2.33	6.76	16.38
2	Moffitt, Terrie	11,035	143	77.17	50	2.58	7.15	17.01
3	Murray, Robin	10,950	491	22.30	53	1.46	2.44	32.80
4	Mathew, Christopher	10,246	117	87.57	41	2.56	5.92	27.61
5	Williams, Steven	9,544	247	38.64	56	1.45	2.64	27.25
6	Spector, Timothy	8,865	351	25.26	50	1.38	2.50	32.65
7	Brammer, Michael	8,656	220	39.35	53	1.60	2.97	25.65
7	Lewis, Cathryn	8,656	120	72.13	33	3.08	5.70	31.53
9	Craig, Ian	6,265	92	68.10	28	3.41	5.95	28.70
10	Rutter, Michael	6,094	125	48.75	41	1.92	3.79	19.87

THOMSON REUTERS

数据来源：InCites

展示机构学科优势

Essential Science Indicators℠

WELCOME | ? HELP | RETURN TO MENU | RETURN TO LIST | IN-CITES

FIELD RANKINGS FOR HUAZHONG UNIV SCI & TECHNOL

Display items with at least: 0 | Citation(s) ▾
Sorted by: Citations ▾ | SORT AGAIN

1 - 8 (of 8) | ◀◀ ◀ [1] ▶ ▶▶ ▶ | Page 1 of 1

	View		Field	Papers	Citations	Citations Per Paper
1	📄	📊	PHYSICS	3,488	15,189	4.35
2	📄	📊	CLINICAL MEDICINE	2,791	12,423	4.45
3	📄	📊	ENGINEERING	2,677	9,692	3.62
4	📄	📊	CHEMISTRY	1,315	7,759	5.90
5	📄	📊	MATERIALS SCIENCE	1,672	6,952	4.16
6		📊	BIOLOGY & BIOCHEMISTRY			
7	📄	📊	PHARMACOLOGY & TOXICOLOGY			
8	📄	📊	COMPUTER SCIENCE			
	📄	📊	ALL FIELDS*			

1 - 8 (of 8) | ◀◀ ◀ [1] ▶ ▶▶ ▶

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

截至2012年1月，某大学已经有8个学科进入全球排名前1%

把握学科发展阶段

Web of Science Documents 2001-2010

临床医学

物理

工程

Institution, Subject Area
- HUAZHONG UNIV SCI & TECHNOL - Biology & Biochemistry
- HUAZHONG UNIV SCI & TECHNOL - Chemistry
- HUAZHONG UNIV SCI & TECHNOL - Clinical Medicine
- HUAZHONG UNIV SCI & TECHNOL - Computer Science
- HUAZHONG UNIV SCI & TECHNOL - Engineering
- HUAZHONG UNIV SCI & TECHNOL - Materials Science
- HUAZHONG UNIV SCI & TECHNOL - Pharmacology & Toxicology
- HUAZHONG UNIV SCI & TECHNOL - Physics

Cited Year

1. 传统优势学科—物理、工程
2. 新兴优势学科—临床医学

深入了解学科布局

% Documents in Institution 2001–2010

临床医学

物理

工程

Institution, Subject Area
- HUAZHONG UNIV SCI & TECHNOL - Biology & Biochemistry
- HUAZHONG UNIV SCI & TECHNOL - Chemistry
- HUAZHONG UNIV SCI & TECHNOL - Clinical Medicine
- HUAZHONG UNIV SCI & TECHNOL - Computer Science
- HUAZHONG UNIV SCI & TECHNOL - Engineering
- HUAZHONG UNIV SCI & TECHNOL - Materials Science
- HUAZHONG UNIV SCI & TECHNOL - Pharmacology & Toxicology
- HUAZHONG UNIV SCI & TECHNOL - Physics

Cited Year

1. 物理领域的论文产出占机构总体产出比例有所下降；
2. 临床医学在2007年迅速增长

THOMSON REUTERS

透视学科相对影响力

Impact Relative to Subject Area Most Recent 10 Years Cumulative

接近全球平均
影响力

Biology & Biochemistry	HUAZHONG UNIV SCI & TECHNOL
Chemistry	HUAZHONG UNIV SCI & TECHNOL
Clinical Medicine	HUAZHONG UNIV SCI & TECHNOL
Computer Science	HUAZHONG UNIV SCI & TECHNOL
Engineering	HUAZHONG UNIV SCI & TECHNOL
Materials Science	HUAZHONG UNIV SCI & TECHNOL
armacology & Toxicology	HUAZHONG UNIV SCI & TECHNOL
Physics	HUAZHONG UNIV SCI & TECHNOL

工程

材料科学

0   0.4   0.8

Impact Relative to Subject Area

筛选高效合作伙伴，借助外部合作推动学科快速发展

COLLABORATING INSTITUTIONS

Save | Print | Select an export option ▼

Viewing Dataset: Kings College London: Author Profile Dataset

生物化学与分子生物学学科

Report Limited To
Dataset: Kings College London: Author Profile Da...
Report Name: Collaborating Institutions
Time Period: 1983 - 2011
Subject Areas: BIOCHEMISTRY & MOLECULAR BIOLOGY
Additional Information: Cite this report as InCitesTM, Thomson Reuters (2010). Report Created: Dec 13, 2011 Data Processed Jun 10, 2011 5:34:23 PM Data Source: Web of Science ® This data is reproduced under a license from Thomson Reuters. You may not copy or redistribute this data in whole or in part without the written consent of the Science business of Thomson Reuters. Subject area baseline data processed Unavailable

Institutions 1 - 20 of 1,077

Sort By: Times Cited ▼

与英国癌症研究院的合作

与哈佛大学的合作

Rank	Institution	Times Cited	Web of Science Documents	Average Cites per Document	h-index	Journal Actual/Expected Citations	Category Actual/Expected Citations	Average Percentle
1	KINGS COLL LONDON	23,852	964	24.74	75			38.98
2	UCL	3,804	116	32.79	35	1.33	.93	35.66
3	GUYS & ST THOMAS HOSP TRUST	2,679	98	27.34	29	1.05	1.46	36.63
4	CANCER RES UK	2,599	53	49.04	27	1.21	1.92	29.41
5	UNIV LONDON IMPERIAL COLL SCI TECHNOL & MED	2,155	71	30.35	24	1.24	1.81	40.89
6	INST CANC RES	2,134	30	71.13	25	1.51	3.00	16.61
7	HARVARD UNIV	2,074	26	79.77	18	1.76	3.85	21.72
8	ST THOMAS HOSP	1,796	49	36.65	19	1.36	1.75	38.31
9	UNIV CAMBRIDGE	1,725	49	35.20	22			28.28
10	UNIV OXFORD	1,603	43	37.28	24			24.29

21

对比——
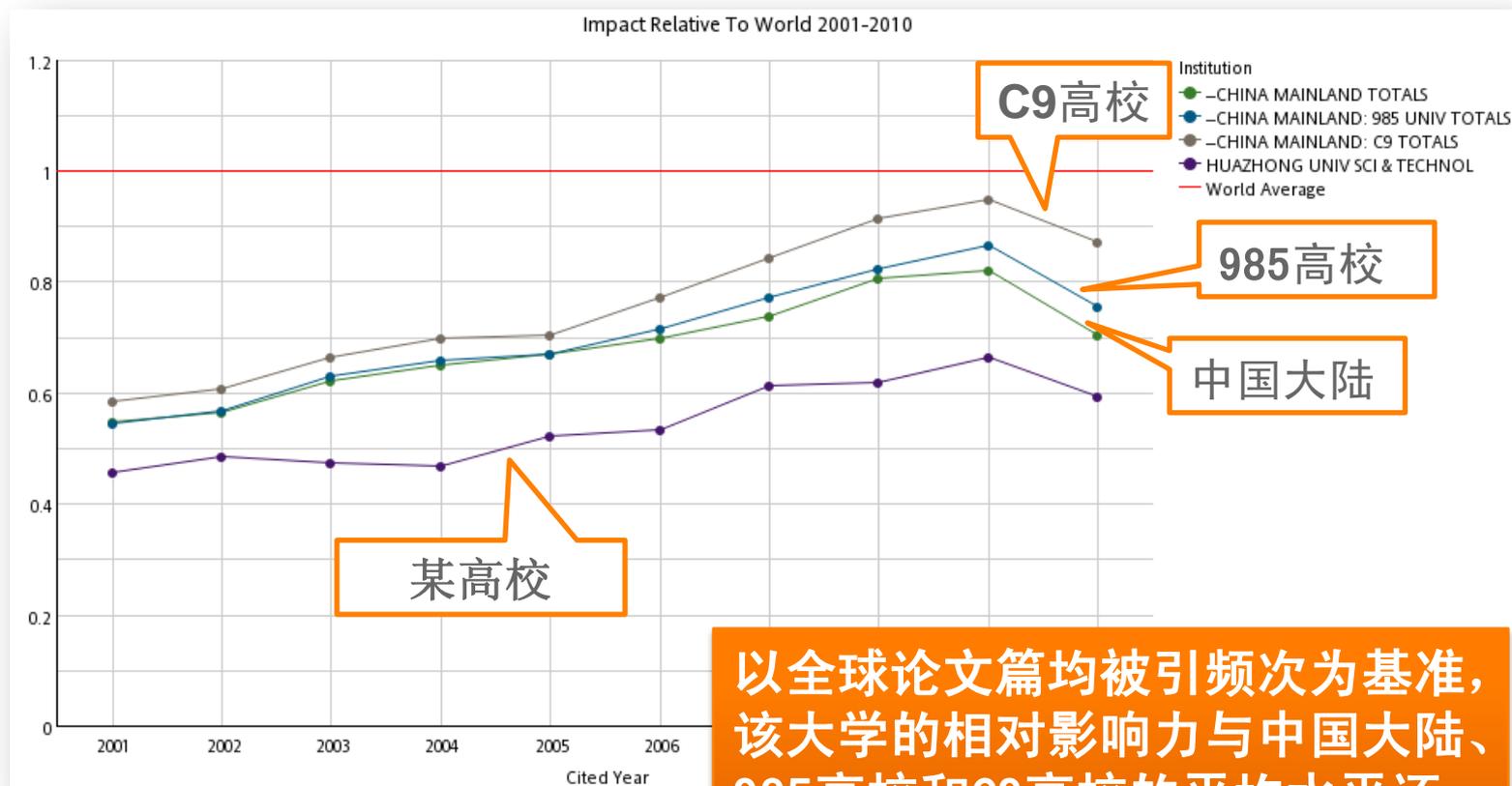## 全球视野，标杆分析，准确定位

明确机构全球定位

以全球论文篇均被引频次为基准，该大学的相对影响力与中国大陆、985高校和C9高校的平均水平还有一定差距

相对影响力—以全球平均影响力为基准

Impact Relative To World 1981-2010

从相对影响力来看，各高校都呈现出波动上升的发展趋势。中国两所高校的篇均影响力还未达到全球平均水平。

重点学科产出数量对比 (SCADC学科)

Web of Science Documents All Years

0703 CHEMISTRY
- CHINA UNIV PETR
- COLORADO SCHOOL MINES
- CURTIN UNIV TECHNOL
- UNIV ALBERTA
- UNIV CALGARY
- UNIV TULSA

0805 MATERIALS SCIENCE AND ENGINEERING
- CHINA UNIV PETR
- COLORADO SCHOOL MINES
- CURTIN UNIV TECHNOL
- UNIV ALBERTA
- UNIV CALGARY
- UNIV TULSA

0817 CHEMICAL ENGINEERING AND TECH...
- CHINA UNIV PETR
- COLORADO SCHOOL MINES
- CURTIN UNIV TECHNOL
- UNIV ALBERTA
- UNIV CALGARY
- UNIV TULSA

0820 OIL AND NATURAL GAS ENGINEERING
- CHINA UNIV PETR
- COLORADO SCHOOL MINES
- CURTIN UNIV TECHNOL
- UNIV ALBERTA
- UNIV CALGARY
- UNIV TULSA

国务院学位委员会和
教育部制定的13个学科
门类及所设一级学科

- COLORADO SCHOOL MINES - 0805 MATERIALS S
- COLORADO SCHOOL MINES - 0817 CHEMICAL E
- COLORADO SCHOOL MINES - 0820 OIL AND NA
- CURTIN UNIV TECHNOL - 0703 CHEMISTRY
- CURTIN UNIV TECHNOL - 0805 MATERIALS SCIEN
- CURTIN UNIV TECHNOL - 0817 CHEMICAL ENGI
- CURTIN UNIV TECHNOL - 0820 OIL AND NATUR
- UNIV ALBERTA - 0703 CHEMISTRY
- UNIV ALBERTA - 0805 MATERIALS SCIENCE AND
- UNIV ALBERTA - 0817 CHEMICAL ENGINEERING
- UNIV ALBERTA - 0820 OIL AND NATURAL GAS E
- UNIV CALGARY - 0703 CHEMISTRY
- UNIV CALGARY - 0805 MATERIALS SCIENCE AND
- UNIV CALGARY - 0817 CHEMICAL ENGINEERING
- UNIV CALGARY - 0820 OIL AND NATURAL GAS E
- UNIV TULSA - 0703 CHEMISTRY
- UNIV TULSA - 0805 MATERIALS SCIENCE AND EN
- UNIV TULSA - 0817 CHEMICAL ENGINEERING AN
- UNIV TULSA - 0820 OIL AND NATURAL GAS ENG

0   2,000   4,000   6,000   8,000

Web of Science Documents

重点学科相对影响力对比（SCADC学科）

Impact Relative to Subject Area All Years

国务院学位委员会和教育部制定的13个学科门类及所设一级学科

THOMSON REUTERS

学科	北京大学	清华大学
材料科学	35	57
地球科学		0
分子生物与遗传学	5	0
工程	23	
化学	75	75
环境与生态	6	2
计算机科学	8	18
经济与商业科学	6	0
精神病与心理科学	2	0
空间科学	0	0
临床医学	28	2
免疫学	0	0
农业科学	0	0
社会科学，综合	1	0
神经与行为科学	1	0
生物与生物化学		7
数学	15	7
微生物学	0	0
物理	70	65
药物与毒理	3	0
植物与动物科学	18	0
综合	0	0

高被引论文数

数据来源：Essential Science Indicators
数据收集日：2011.7.28

展望—
机遇与挑战

加强学科规划与发展
关注具有发展潜力的学科

Web of Science Documents 2001-2010

Institution, Subject Area
- WUHAN UNIV - Agricultural Sciences
- WUHAN UNIV - Computer Science
- WUHAN UNIV - Economics & Business
- WUHAN UNIV - Geosciences
- WUHAN UNIV - Immunology
- WUHAN UNIV - Mathematics
- WUHAN UNIV - Microbiology
- WUHAN UNIV - Molecular Biology & Genetics
- WUHAN UNIV - Multidisciplinary
- WUHAN UNIV - Neuroscience & Behavior
- WUHAN UNIV - Psychiatry/Psychology
- WUHAN UNIV - Social Sciences, General
- WUHAN UNIV - Space Science

以近10年论文产出数量来看，数学发展较快，其次是地学领域

注：综合学科(Multidisciplinary)指具有综合学科性质的期刊中发表的论文
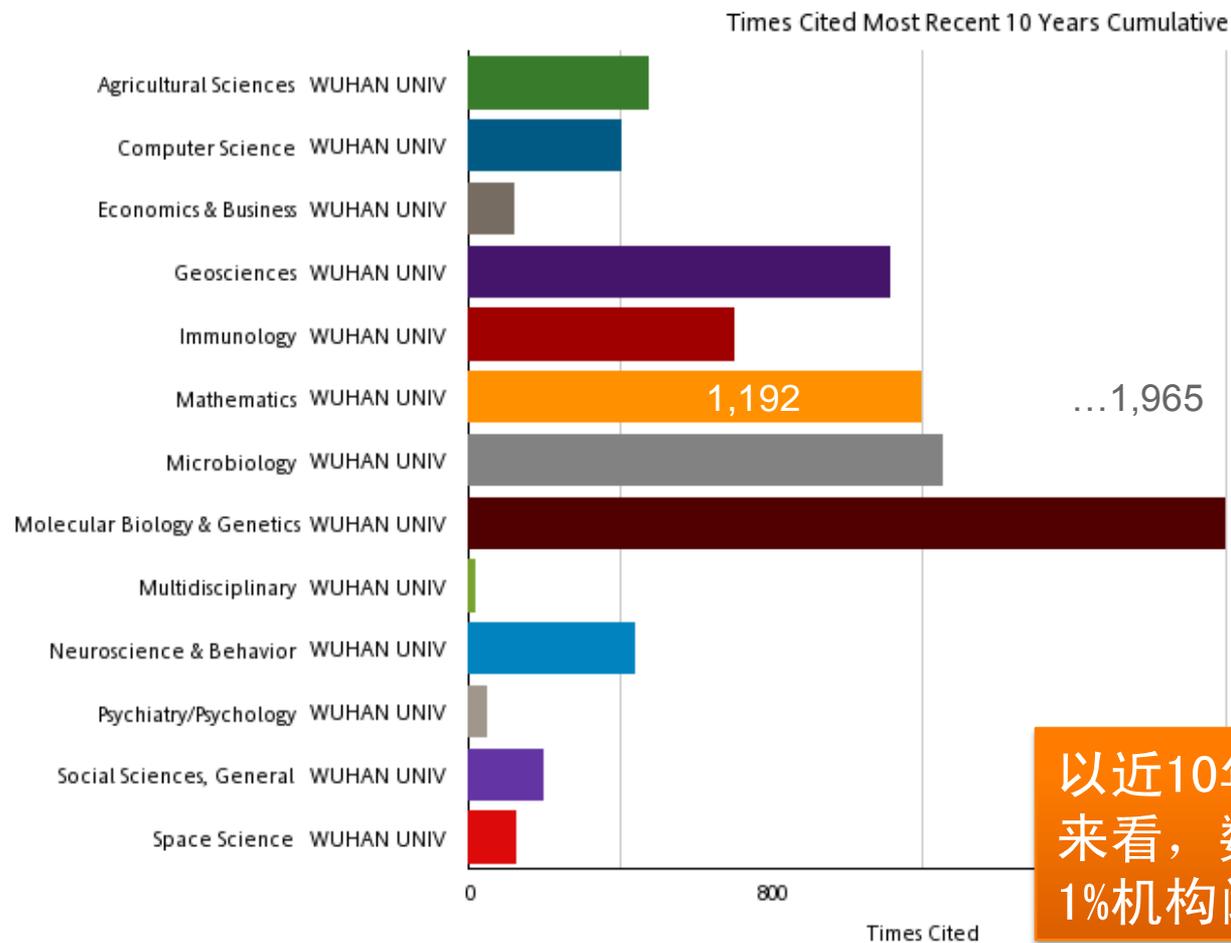
加强学科规划与发展
关注具有发展潜力的学科

以近10年论文总被引频次来看，数学最接近全球前1%机构阈值

跟踪国际前沿机构发展态势

Web of Science Documents - 2011~2022 Forcasting

- HARVARD UNIV
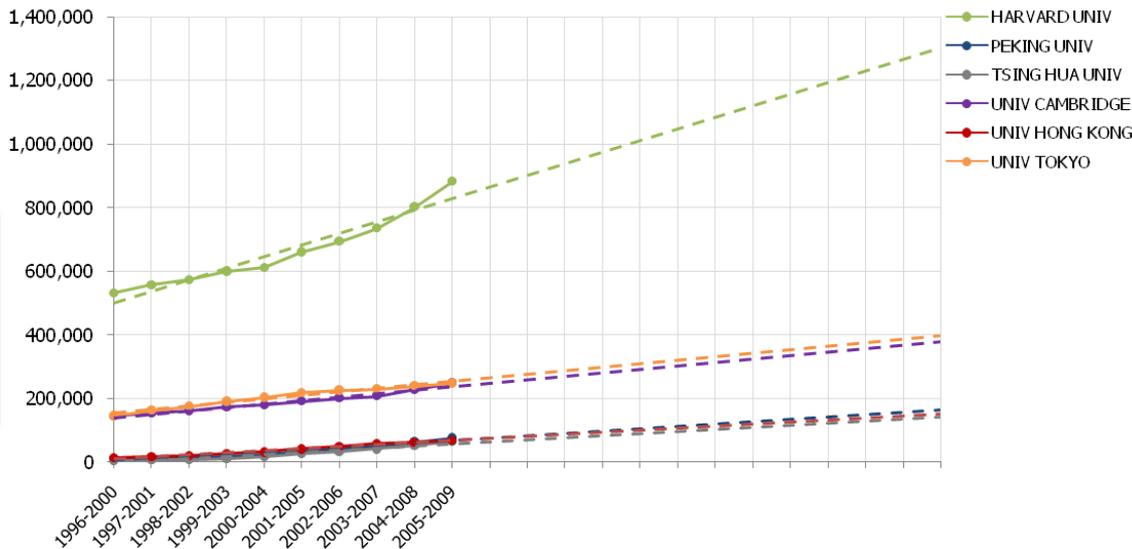- PEKING UNIV
- TSING HUA UNIV
- UNIV CAMBRIDGE
- UNIV HONG KONG
- UNIV TOKYO
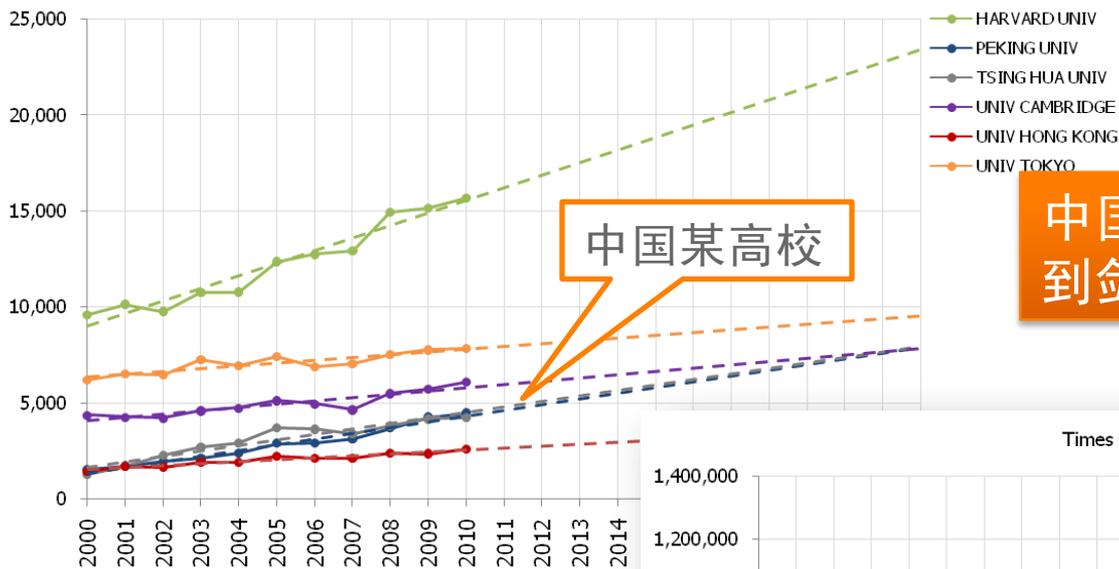
中国某高校

中国某高校将在2022年左右达到剑桥大学的论文产出水平

Times Cited - 2010~2022 Forcasting

- HARVARD UNIV
- PEKING UNIV
- TSING HUA UNIV
- UNIV CAMBRIDGE
- UNIV HONG KONG
- UNIV TOKYO

中国某高校在一段时间内无法赶上剑桥和东大的总体影响力

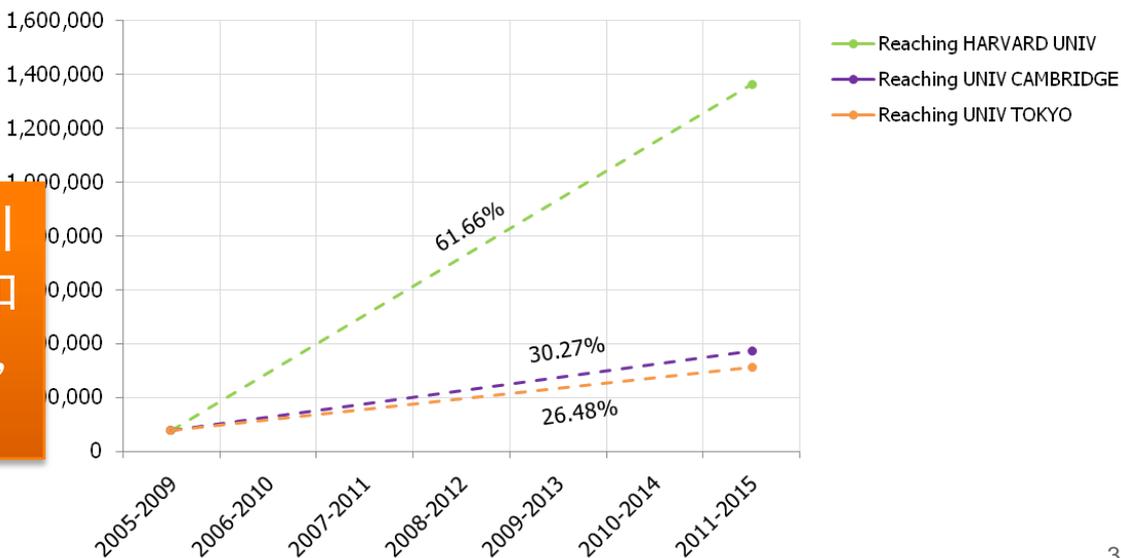注：预测数据基于近10年研究产出和总被引频次的线性回归得到

THOMSON REUTERS

设定机构发展目标，预测增长速度
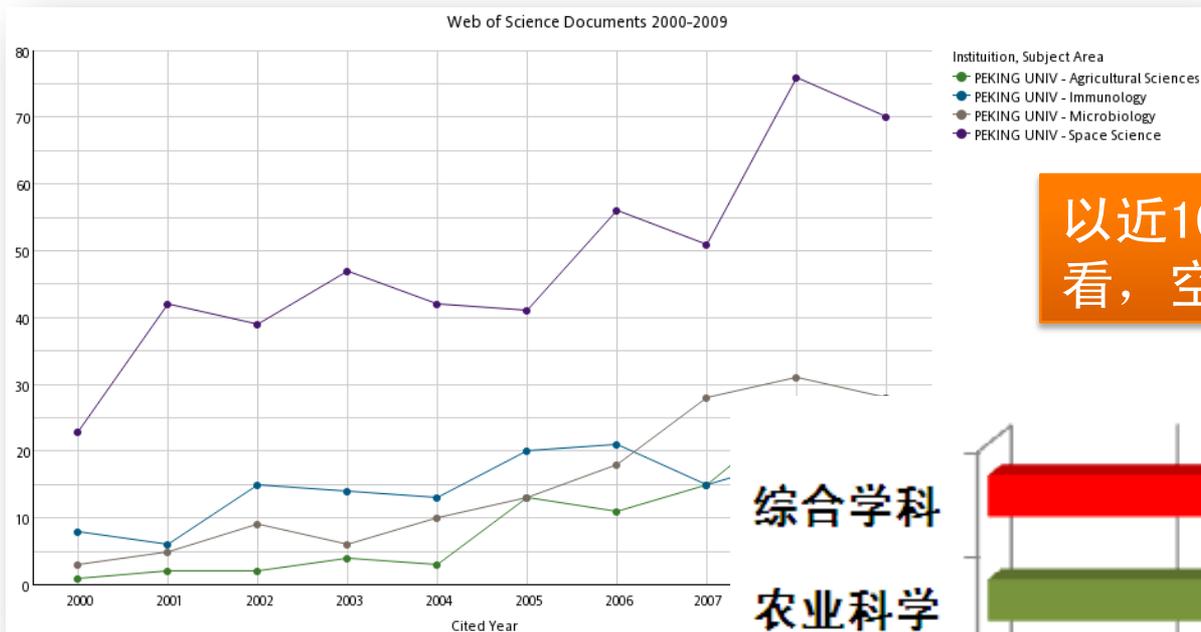

Web of Science Documents - 2010~2015 Forcasting

2015年中国某大学论文数量追赶上哈佛、东大和剑桥的增长率分别为28%，12%和7%

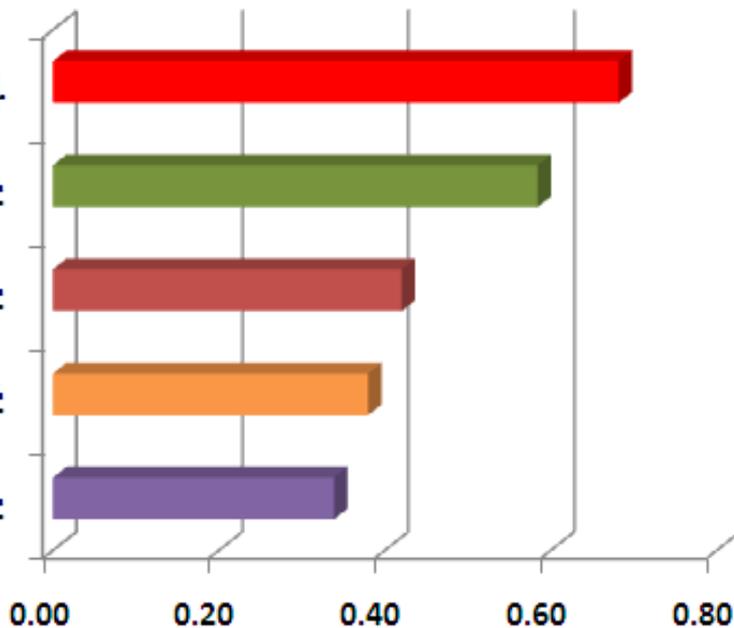2015年中国某大学总被引频次追赶上哈佛、东大和剑桥的增长率分别为61%，26%和30%

Time Cited - 2010~2015 Forcasting

加强学科规划与发展
关注具有发展潜力的学科

Web of Science Documents 2000-2009

Institution, Subject Area
- PEKING UNIV - Agricultural Sciences
- PEKING UNIV - Immunology
- PEKING UNIV - Microbiology
- PEKING UNIV - Space Science

以近10年论文产出数量来看，空间科学发展较快

以近10年论文总被引频次来看，综合科学最接近全球前1%机构阈值

综合学科

农业科学

微生物学

免疫学

空间科学

0.00   0.20   0.40   0.60   0.80

注：综合学科指具有综合学科性质的期刊中发表的论文

Thank you!   谢谢！

数据来源：**Essential Science Indicators(ESI)，InCites**
培训信息：5月18日 9：15−9：55
　　　　 培训 B 教室

THOMSON REUTERS