爱思唯尔 Scopus SciVal讲座

Scopus & Scival帮您锁定领域进展与研究热点

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2021年5月

www.scopus.com *www.scival.com*

本次课程小目标

- 利用Scopus提升文献发现效率
- 通过SciVal 研究主题topic，洞悉全球研究动态和趋势
- 追踪领域Top学者的主要研究方向，掌握研究热点；
- 关注top期刊的主要科学话题，了解最新研究动态

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讲座专属证书

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Scopus® *不仅仅是全球最大的摘要引文数据库*

理工类特别是计算机，工程类学科检索和分析的优势

- Scopus覆盖EI内容，可用于查询EI收录的引用
- 收录了超过1100万篇会议论文

全面的人文社科领域数据

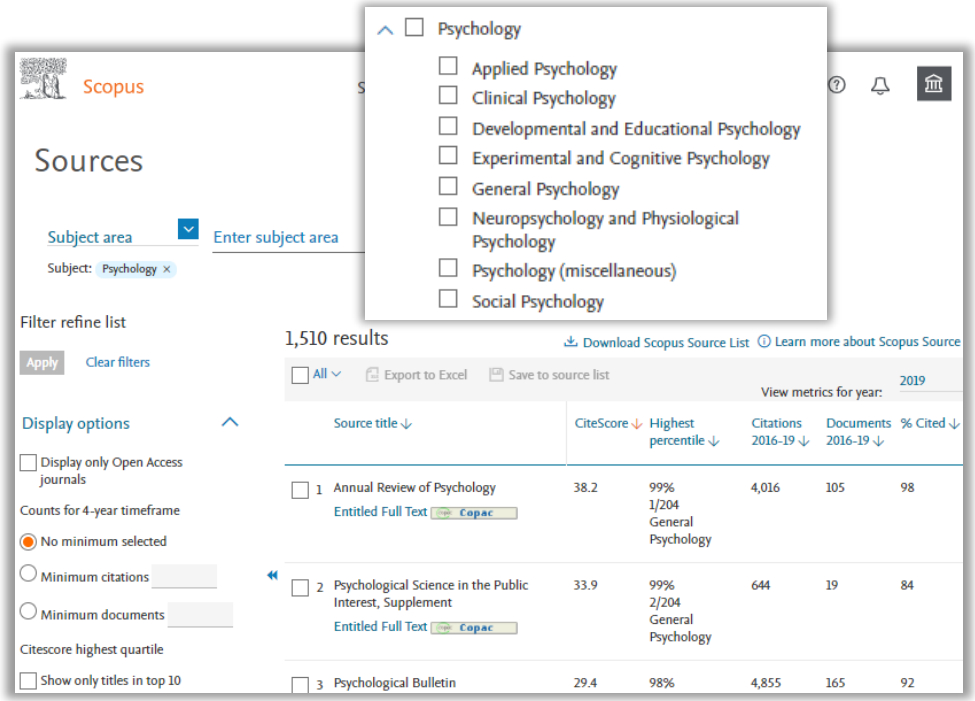
- Scopus在人文社科领域收录了8600多种期刊，23万本电子书，850+套丛书。

中国期刊发文覆盖更多

- 收录了860+本高水平中国期刊

医学和生命科学收录全面

- Medline 100% 收录



Scopus-心理学相关期刊

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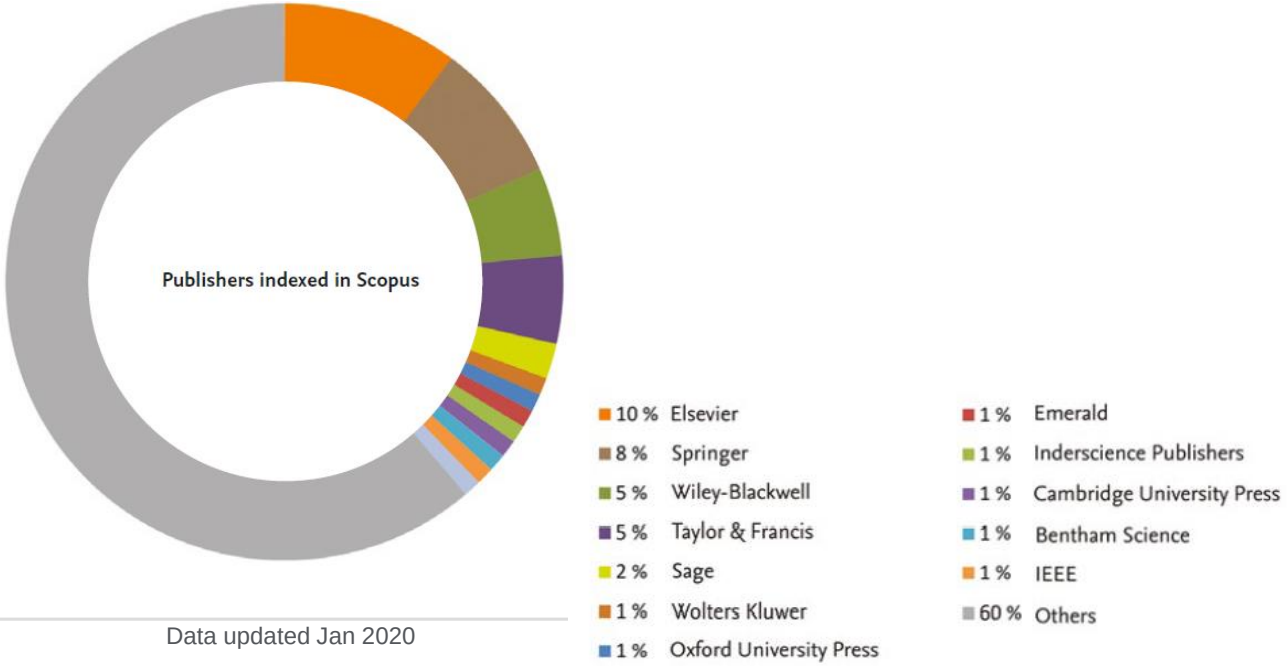
www.scopus.com

Scopus

收录了全球105个国家，7000多家出版商的科技出版内容



Data updated Jan 2020

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SciVal 全球领先的科研分析工具

- 基于Scopus数据库
- 方便快捷地访问全球21,000家机构，1700万学者的科研表现
  - 大学、科研机构、医院、企业
- Topic of Prominence -- 对全球约9.6万个研究主题进行趋势分析
- 多元化指标数据（文献、基金、专利、社会媒体评价等多维度）

SciVal

研究表现

对标研究进展

合作伙伴

研究趋势

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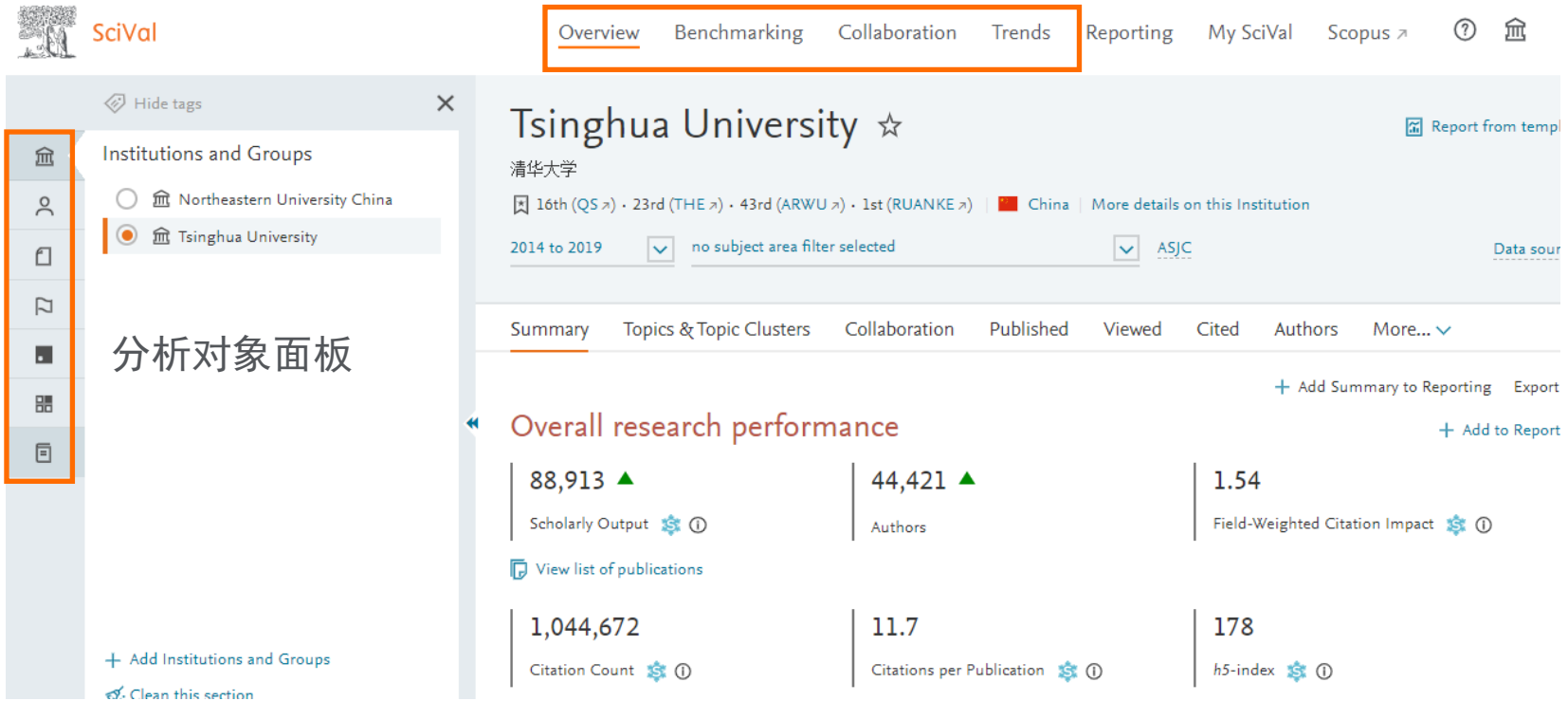
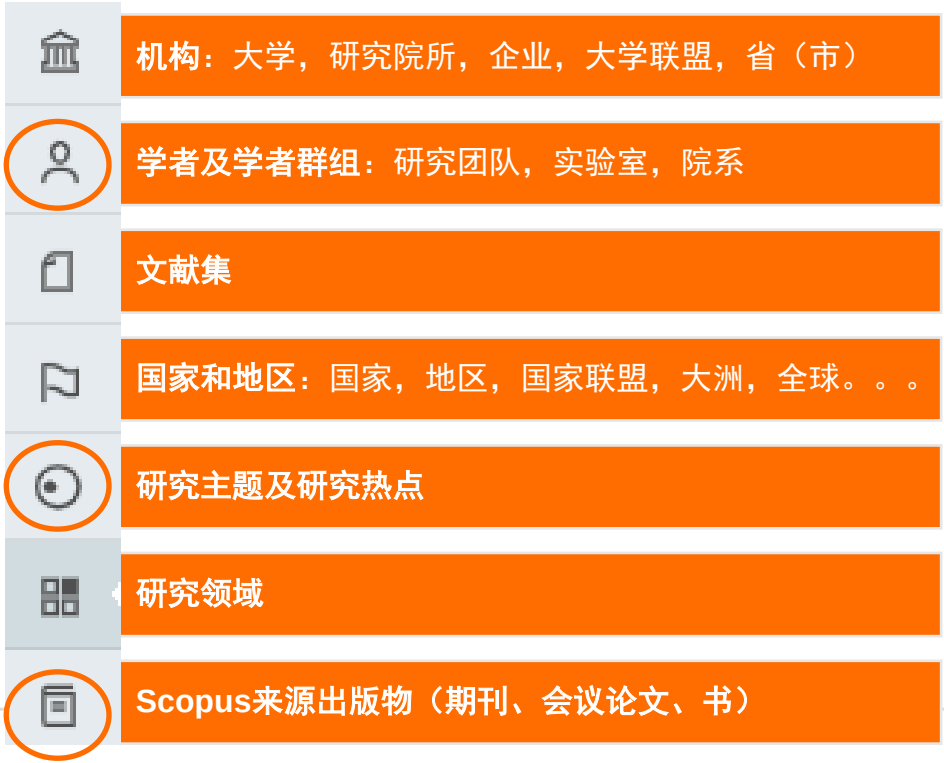
SciVal的基本结构

四大功能模块-
概览、对标、合作、趋势



SciVal的基本结构

分析对象面板



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利用Scopus提升文献发现效率

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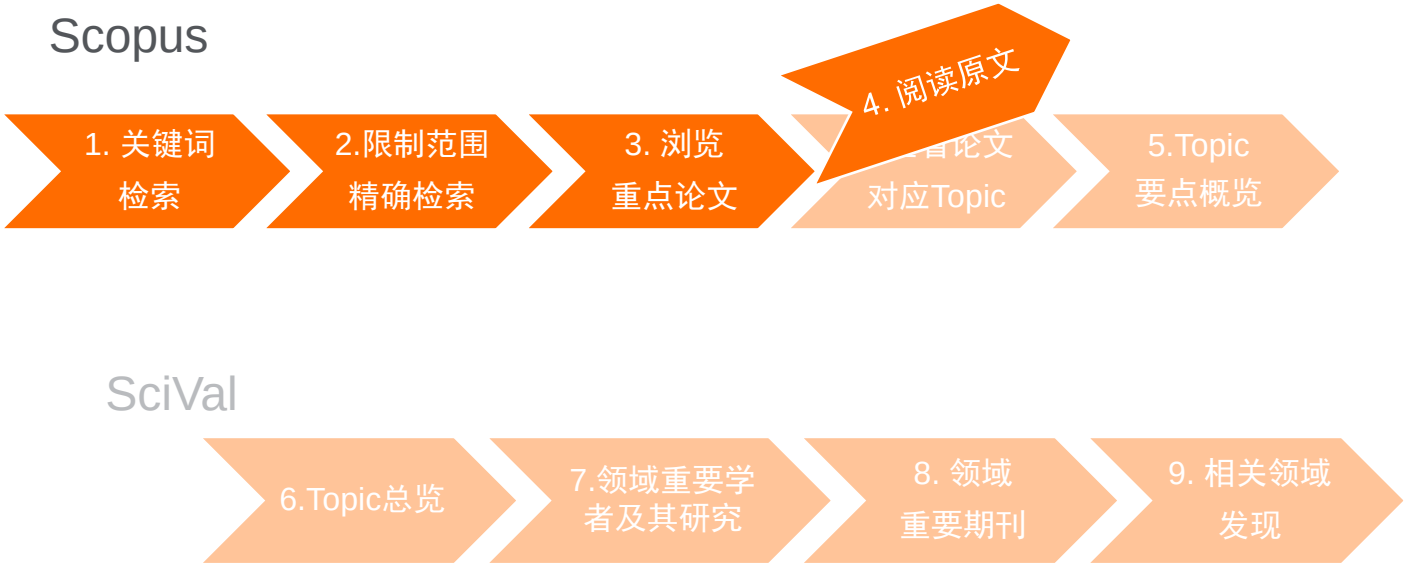
常规的文献发现路径



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Scopus 检索-运算符及检索规则

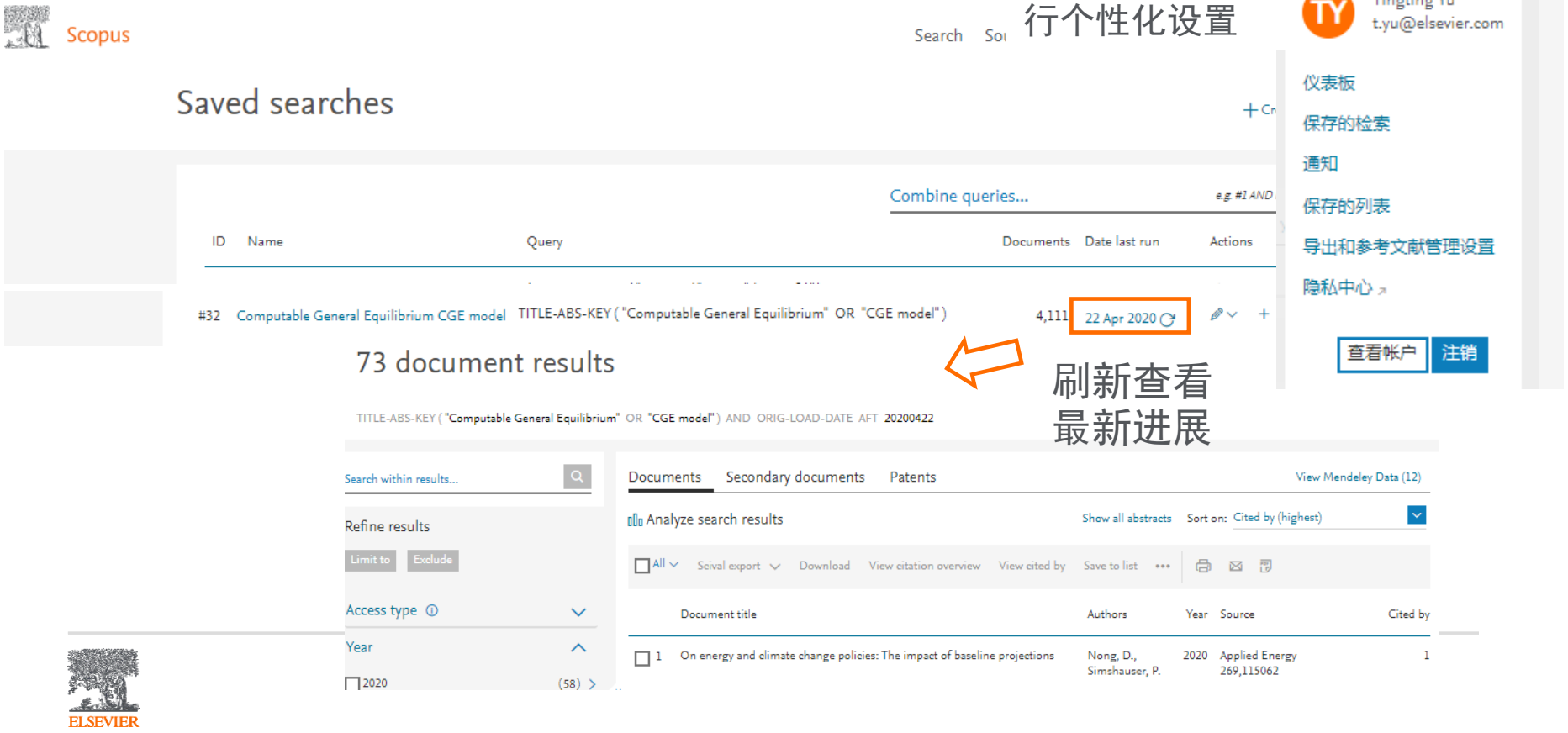
AND	要求多个检索词同时出现
OR	检索词必须至少出现一个
And not	排除搜索词
通配符?	取代检索词中的1个字母，如Transplant？检索到Transplants
通配符*	取代检索词中的任意个字母，如transplant*可以检索到 transplant, transplanted, transplanting….
“”	粗略/近似短语检索，标点符号，连词符，单复数等会被自动忽略
{}	精确短语检索，所有符号将被作为检索词进行严格匹配

Scopus检索页面
举例：3D打印在植皮手术中的应用

- 编辑-修改/调整检索条件
- 保存-保存优化过的检索结果
- 设置通知-相关文献的自动推送

对重复检索说 No！

登录个人账号进行个性化设置



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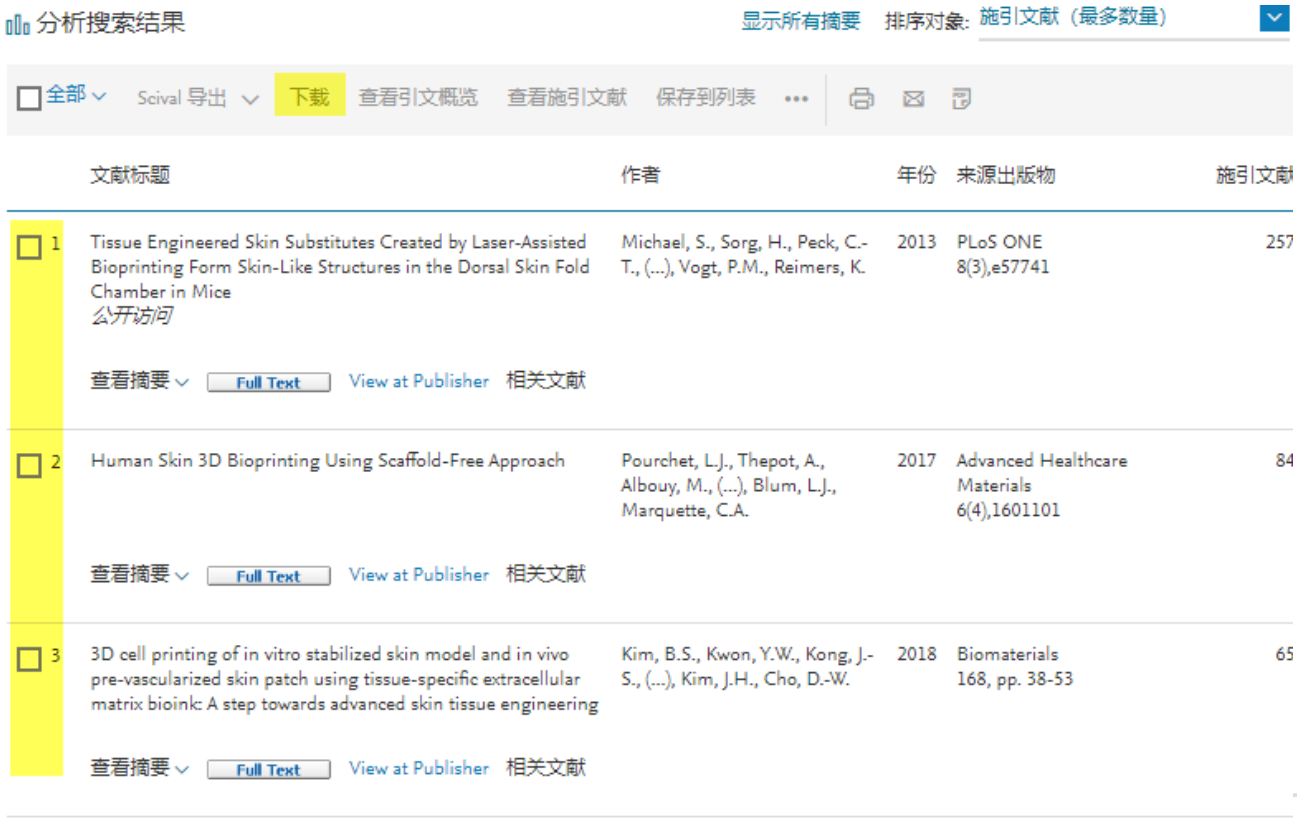

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3. A review of 3D bio-printing for bone and skin tissue engineering: a commercial approach — Check publisher site
4. Handheld instrument for wound-conformal delivery of skin precursor sheets improves healing in full-thickness burns — Check publisher site
5. Clinical pilot study to evaluate the neovaginal PACIENA prosthesis® for vaginoplasty without skin grafts in women with vaginal agenesis *Open Access* — Downloaded
6. A New Method for Securing Dermal Substitutes and Skin Grafts to Difficult Portions of the Face Using a Custom 3D-Printed Facemask — Check publisher site
7. Emerging and innovative approaches for wound healing and skin regeneration: Current status and advances — Downloaded

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文献详情

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通过SciVal 研究主题topic 洞悉全球研究动态和趋势

通过文献发现热门研究主题

关注重要学者的研究方向

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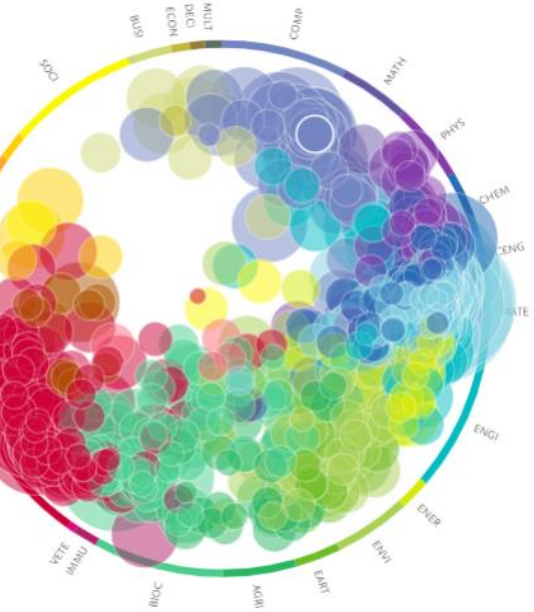
1. 通过文献发现热门研究主题

从Scopus到SciVal的检索发现路径

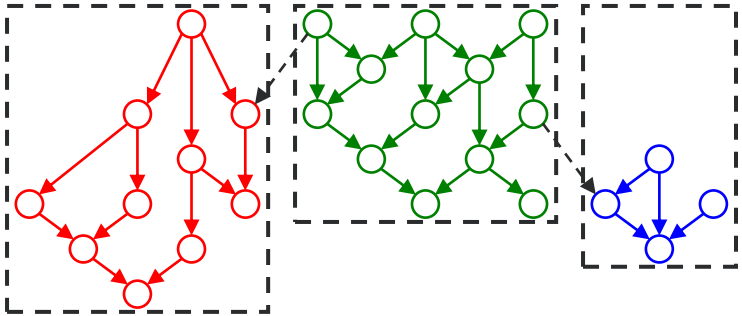
通过文献定位到热门的研究主题

关于研究主题 Topic



微观层面的特定研究问题

- 基于scopus数据库约7500万文献数据和约10亿条直接引用链接聚类成文献簇，生成全领域约9.6万个研究主题 (Topic)
- 真实反映了学科交叉与融合的趋势



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Scopus ASJC 学科：四大领域和27个一级学科

Life Sciences

1100 Agricultural and Biological Sciences

1300 Biochemistry, Genetics and Molecular Biology

2400 Immunology and Microbiology

2800 Neuroscience

3000 Pharmacology, Toxicology and Pharmaceutics

Health Sciences

2700 Medicine

2900 Nursing

3400 Veterinary

3500 Dentistry

3600 Health Professions

Social Sciences

1200 Arts and Humanities

1400 Business, Management and Accounting

1800 Decision Sciences

2000 Economics, Econometrics and Finance

3200 Psychology

3300 Social Sciences

Physical Sciences

1500	Chemical Engineering **CENG**	2200	Engineering
1600	**Chem**istry	2300	Environmental Science
1700	Computer Science	2500	Materials Science
1900	Earth and Planetary Sciences	2600	Mathematics
2100	Energy	3100	Physics and Astronomy

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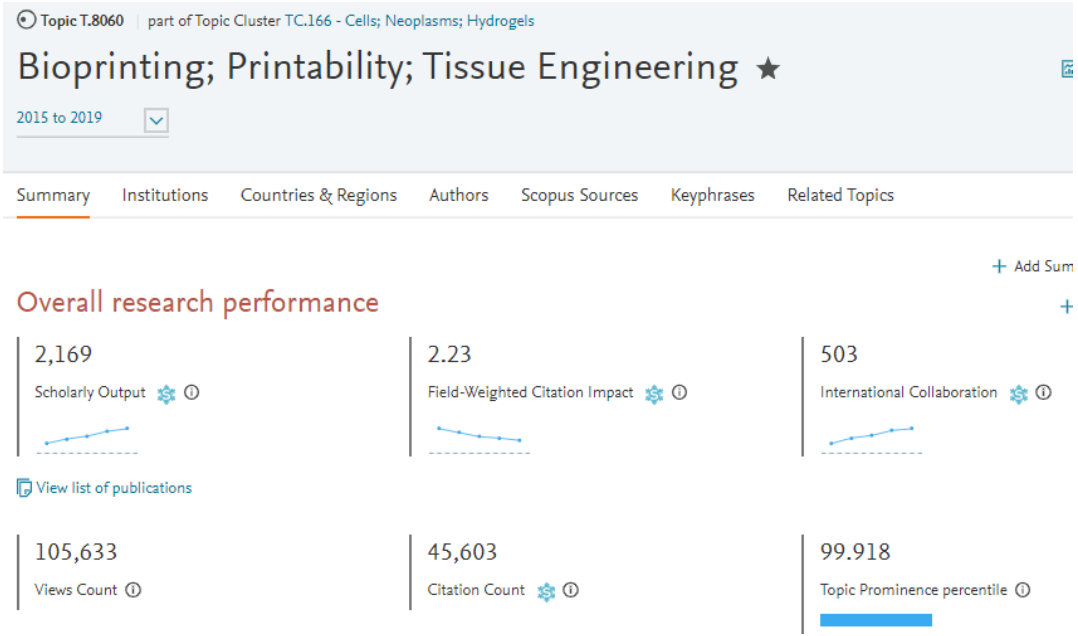
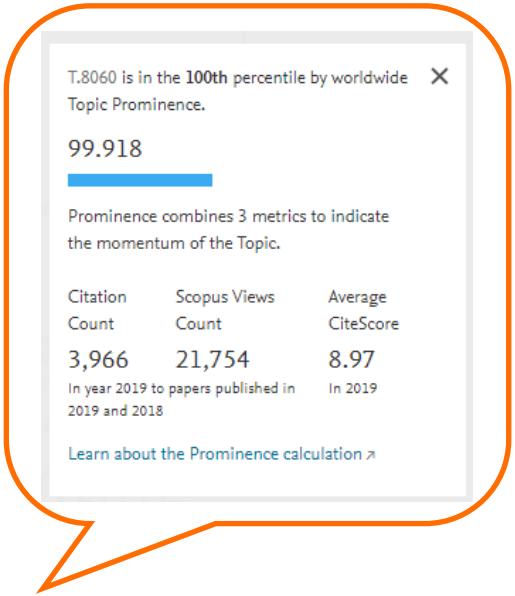
通过主题显示度 Topic prominence
了解不同Topic的全球关注度和科研活跃度





- 由近年引用数，浏览数和期刊citescore三种指标组成
- Prominence排序后按照百分位定义研究领域关注程度

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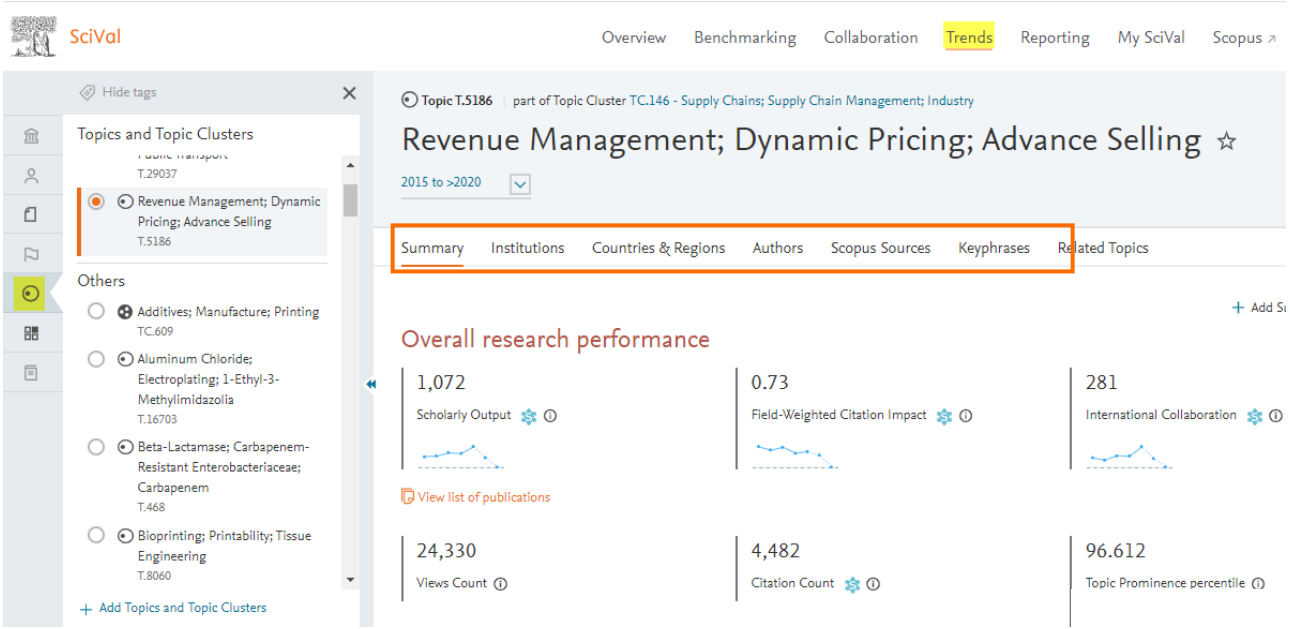
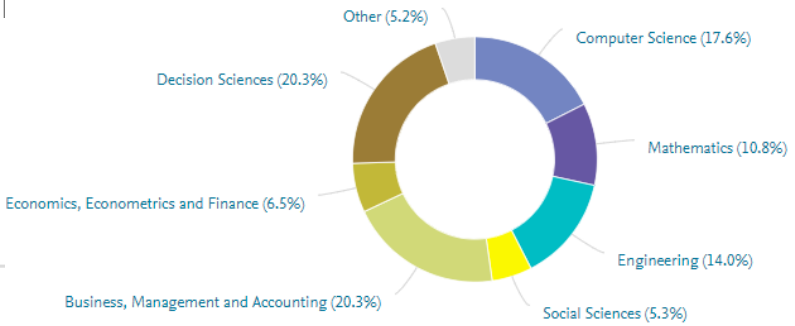


多学科交叉

通过Topic能发现什么



Overview+topic/ summary

Topic T.5186 | part of Topic Cluster TC.146 - Supply Chains; Supply Chain Management; Industry

Revenue Management; Dynamic Pricing; Advance Selling

2015 to >2020

Summary | Institutions | Countries & Regions | Authors | Scopus Sources | Keyphrases | Related Topics

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关键词+代表性论文认识研究主题

Keyphrase analysis | Representative publications

Top 10 representative publications, published 2015 - 2021 | Learn about Representative publicati calculation

Publication	Citations
Dynamic pricing and learning: Historical origins, current research, and new directions. den Boer, A.V. (2015) Surveys in Operations Research and Management Science, 20 (1), pp. 1-18. View in Scopus	94
Recent developments in dynamic pricing research: Multiple products, competition, and limited demand information. Chen, M., Chen, Z.-L. (2015) Production and Operations Management, 24 (5), pp. 704-731. View in Scopus	70
Dynamic pricing in the presence of social learning and strategic consumers. Papanastasiou, Y., Savva, N. (2017) Management Science, 63 (4), pp. 919-939. View in Scopus	59
A general attraction model and sales-based linear program for network revenue management under customer choice.	36

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2015 to >2020

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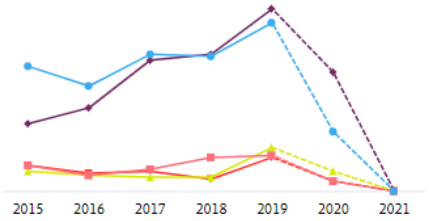
了解研究主题的全球研究现状

Most active Countries/Regions

Top 5 by Scholarly Output

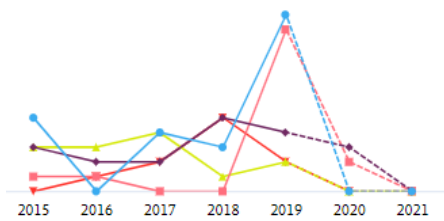


United States	368
China	363
Germany	72
Hong Kong	64
Canada	60

Analyze in more detail

Most active Authors

Top 5 by Scholarly Output

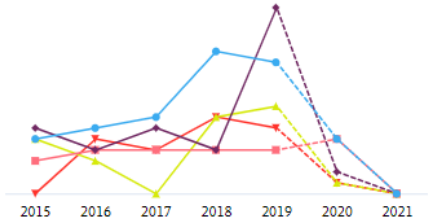


Topaloglu, Hüseyin	24
Schlosser, Rainer	19
Gallego, Guillermo M.	15
Weatherford, Larry R.	13
Zhao, Peng	10

Analyze in more detail

Most active Institutions

Top 5 by Scholarly Output

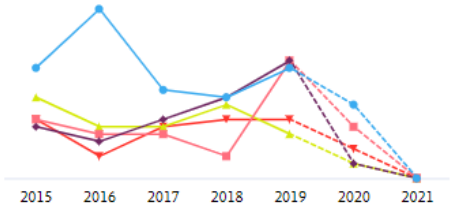


Beijing Jiaotong University	48
Cornell University	39
Hong Kong Polytechnic University	24
University of Michigan, Ann Arbor	24
Massachusetts Institute of Technology	23

Analyze in more detail

Most active Scopus Sources

Top 5 by Scholarly Output



Journal of Revenue and Pricing Management	86
Management Science	49
European Journal of Operational Research	46
Operations Research	43
Production and Operations Management	38

Analyze in more detail

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Topic T.5186 | part of Topic Cluster TC.146 - Supply Chains; Supply Chain Management; Industry

Revenue Management; Dynamic Pricing; Advance Selling

2015 to >2020

Summary | Institutions | Countries & Regions | Authors | Scopus Sources | Keyphrases | Related Topics

	Institution	Scholarly Output	Citation Count	Field-Weighted Citation Impact	Citation Count
1.	Beijing Jiaotong University	48	199	0.65	199
2.	Cornell University	39	124	0.44	124
3.	Hong Kong Polytechnic University	24	98	0.62	98
4.	University of Michigan, Ann Arbor	24	224	1.38	224
5.	Massachusetts Institute of Technology	23	165	1.26	165
6.	Southwest Jiaotong University	20	36	0.28	36
7.	Tsinghua University	20	56	0.54	56
8.	University of Science and Technology of China	19	76	1.14	76
9.	Hong Kong University of Science and Technology	18	253	1.27	253
10.	University of Potsdam	18	59	1.34	59
11.	Columbia University	17	255	1.58	255
12.	University of Maryland, College Park	15	128	0.79	128
13.	University of Pennsylvania	15	326	3.49	326
14.	Sabre Inc	14	54	0.38	54

Overview Benchmarking Collaboration Trends Reporting

Topic T.5186 | part of Topic Cluster TC.146 - Supply Chains; Supply Chain Management; Industry

Revenue Management; Dynamic Pricing; Advance Selling

2015 to >2020

Summary Institutions Countries & Regions Authors Scopus Sources Keyphrases Related Topics

Top authors

Worldwide

	Author	Affiliation	Scholarly Output	Citation Count	Field-Weighted Citation Impact	Citation Count
1.	Topaloglu, Hüseyin	Cornell University	24	131	0.45	131
2.	Schlosser, Rainer	University of Potsdam	19	66	1.32	66
3.	Gallego, Guillermo M.	Hong Kong University of Science and Technology	15	86	0.59	86
4.	Weatherford, Larry R.	University of Wyoming	13	49	0.55	49
5.	Zhao, Peng	Beijing Jiaotong University	10	36	0.82	36
6.	Belobaba, Peter P.	Massachusetts Institute of Technology	9	34	0.81	34

精准发现领域的
同行专家&学者

合作；人才引进；人才评估

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练习1

- 在scopus检索阅读困难（dyslexia）相关的研究结果，着重查看2017年至今的最新进展，并保存/设置通知
- 按照引用次数从高到低排序，打开*Sensory theories of developmental dyslexia: Three challenges for research*，浏览其研究主题topic 及topic prominence
- 点击topic名称进入scival，并在trends模块下查看该topic 趋势，关键词，代表作，主要国家、机构和作者，并浏览文献

2. 关注重要学者的研究方向发现热门研究主题

中国科学院大学
University of Chinese Academy of Sciences

基本信息

汪寿阳 男 博导 中国科学院数学与系统科学研究院

Scopus

Wang, Shouyang

作者 ID: 35195168500

http://orcid.org/0000-0001-5773-998X

归属机构:
2005-2020 University of Chinese Academy of Sciences, Beijing, China
1991-2020 Chinese Academy of Sciences, Beijing, China
2000-2020 Academy of Mathematics and System Sciences Chinese Academy of Sciences, Beijing, China

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其他姓名格式: Wang, Shou Yang | Wang, Shou yang | Shouyang, Wang | Wang, S. Y. | Wang, S. | Wang, Shou Yan

学科类别: Computer Science | Mathematics | Engineering | Decision Sciences | Business, Management and Accounting | Economics, Econometrics and Finance | Earth and Planetary Sciences | Energy | Social Sciences | Environmental Science | Biochemistry, Genetics and Molecular Biology | Physics and Astronomy | Neuroscience | Multidisciplinary | Materials Science | Psychology

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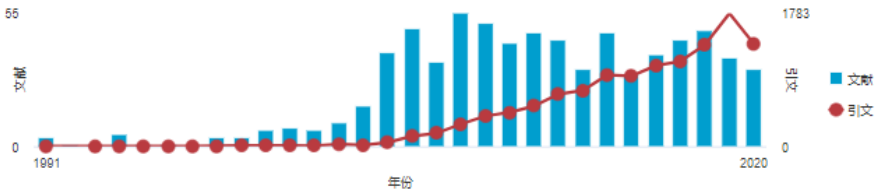
按作者的文献
741
分析作者的产出

总引文数
按 9901 文献分组的 12292
查看引文概览

h-Index:
54
查看 *h*-graph

文献与引文趋势:



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Wang, Shouyang ☆

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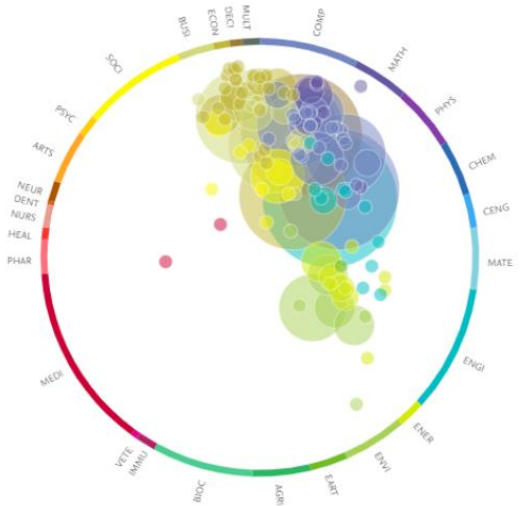
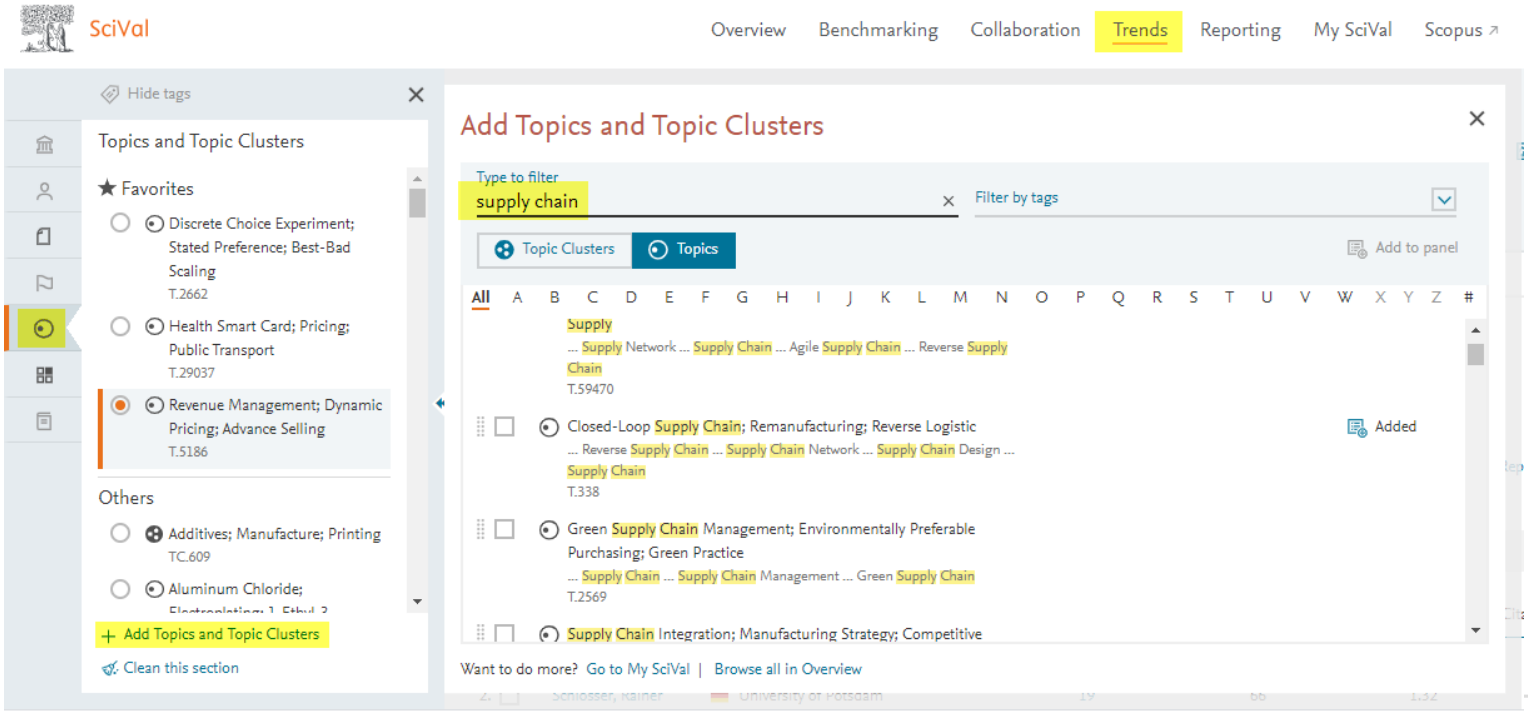
2015 to >2020 | no filter selected | AS

汪教授近5年最主要的研究方向

Topic	By this Researcher: Scholarly Output	By this Researcher: Field-Weighted Citation Impact	Worldwide: Prominence percentile
Closed-Loop Supply Chain; Remanufacturing; Reverse Logistics T.338	10	1.00	99.813
Newsvendor Problem; Options Contract; Supply Chain Coordination T.1305	9	0.82	98.937
Crude Oil Price; Price Forecasting; Intrinsic Mode Function T.29559	9	2.54	90.077
Oil Price Shocks; Oil Markets; Volatility Spillover T.6344	8	2.36	99.305
Business Model Innovation; Sustainable Business; Digital Transformation T.8491	7	0.71	99.792



3. 通过关键词检索研究热点



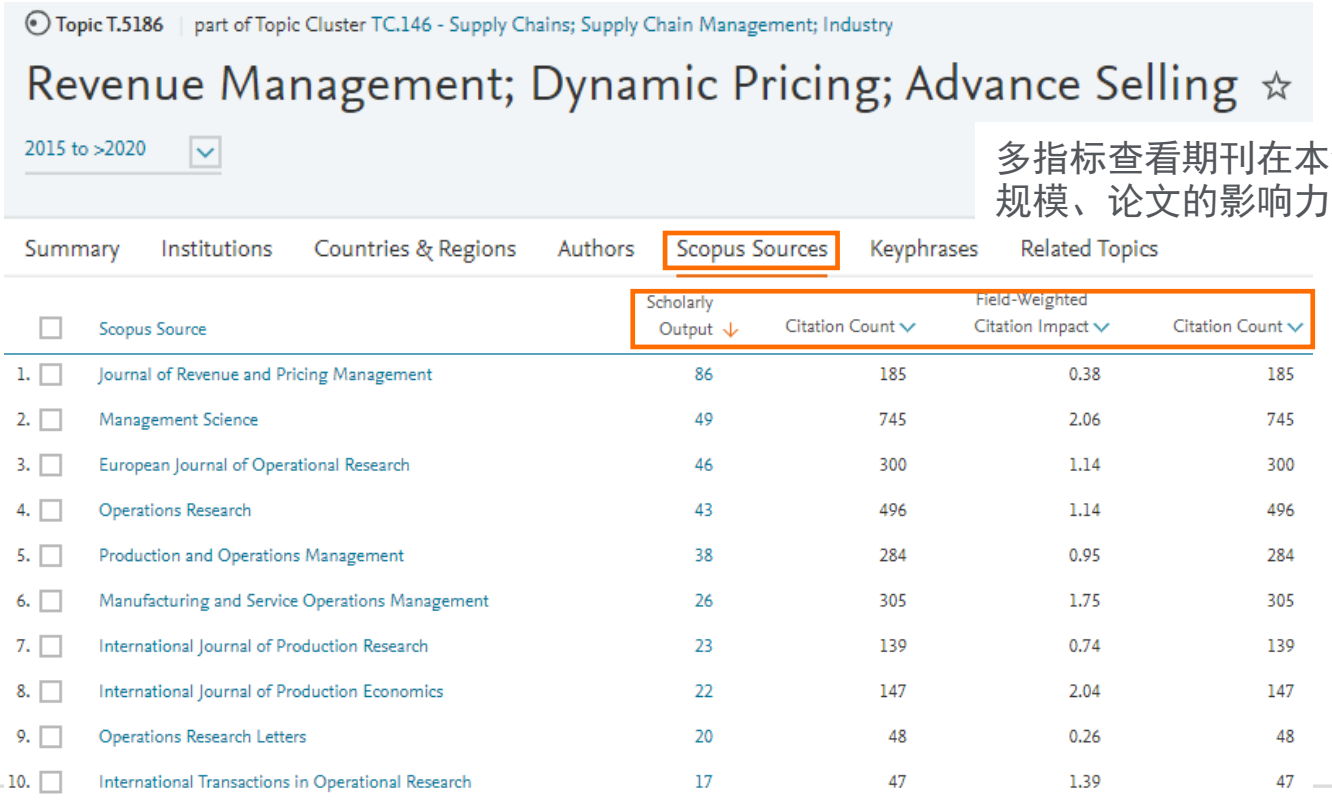
关注top期刊的主要科学话题

了解最新研究动态

发现Topic的主要发文期刊

分析期刊聚焦的主要研究主题

1. 查看某特定主题Topic的主要发文期刊



Topic T.5186 | part of Topic Cluster TC.146 - Supply Chains; Supply Chain Management; Industry

Revenue Management; Dynamic Pricing; Advance Selling ☆

2015 to >2020

多指标查看期刊在本领域的规模、论文的影响力

Summary | Institutions | Countries & Regions | Authors | Scopus Sources | Keyphrases | Related Topics

	Scopus Source	Scholarly Output	Citation Count	Field-Weighted Citation Impact	Citation Count
1.	Journal of Revenue and Pricing Management	86	185	0.38	185
2.	Management Science	49	745	2.06	745
3.	European Journal of Operational Research	46	300	1.14	300
4.	Operations Research	43	496	1.14	496
5.	Production and Operations Management	38	284	0.95	284
6.	Manufacturing and Service Operations Management	26	305	1.75	305
7.	International Journal of Production Research	23	139	0.74	139
8.	International Journal of Production Economics	22	147	2.04	147
9.	Operations Research Letters	20	48	0.26	48
10.	International Transactions in Operational Research	17	47	1.39	47

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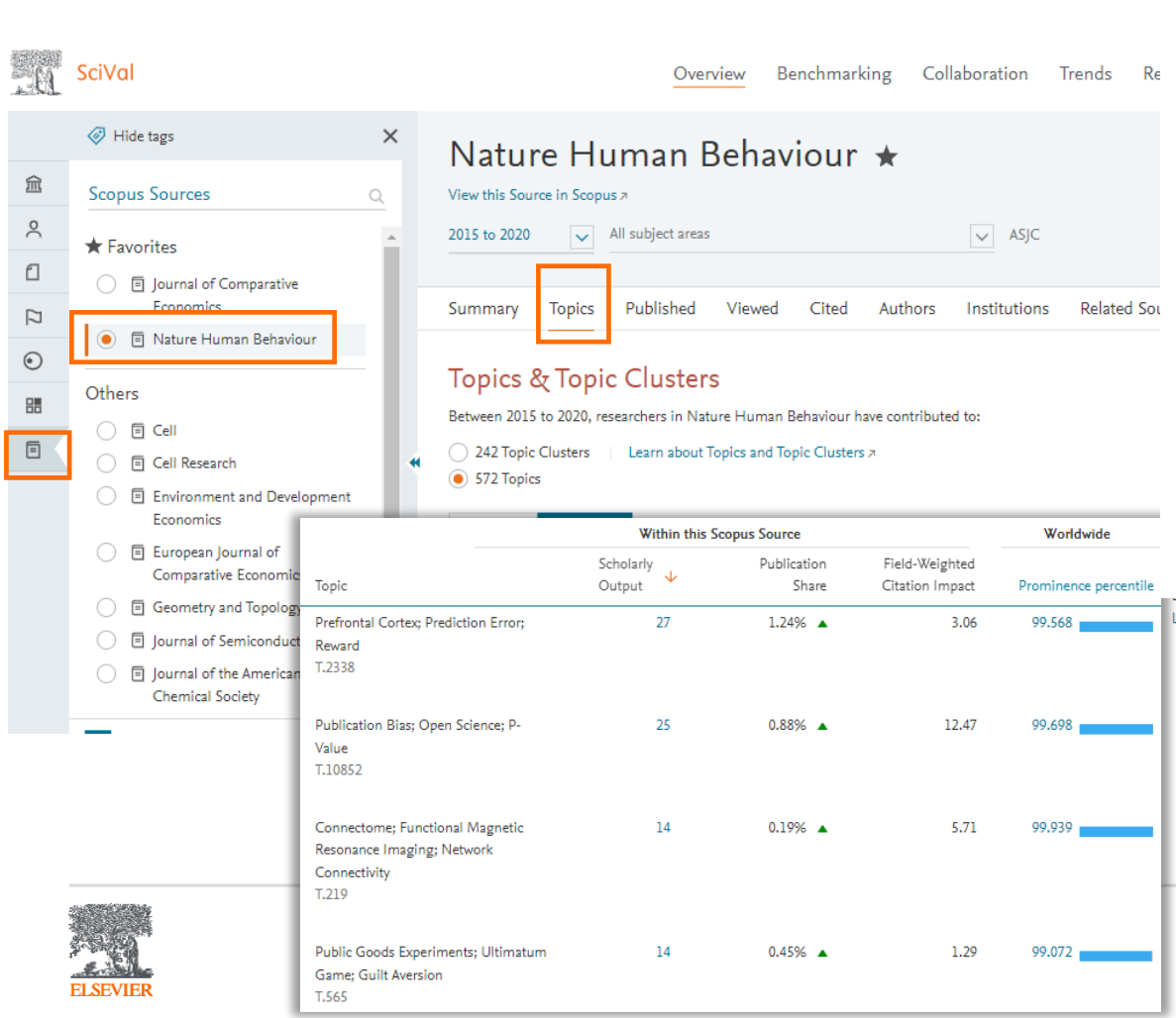

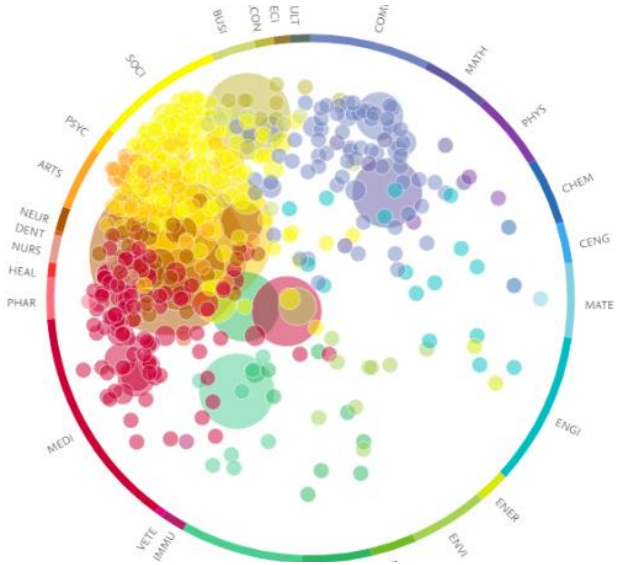

在期刊页面查看期刊的主要关注方向

了解每个方向下发表在该期刊的论文

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Scopus Sources

★ Favorites

- Journal of Comparative Economics
- Nature Human Behaviour

Others

- Cell

Science of the Total Environment ☆

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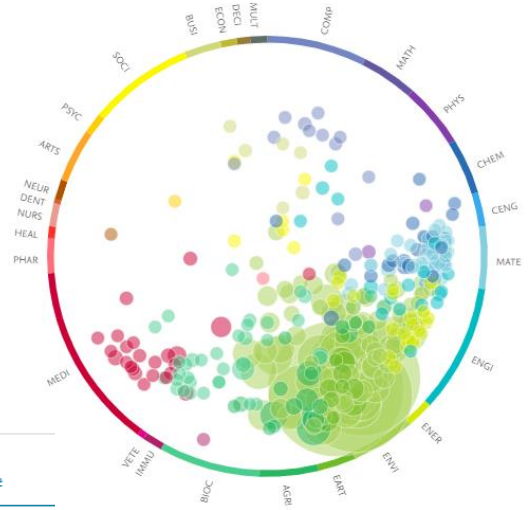
Scopus Source metrics

8.6	1.661	1.98

Topic	Within this Scopus Source: Scholarly Output	Within this Scopus Source: Publication Share	Within this Scopus Source: Field-Weighted Citation Impact	Worldwide: Prominence percentile
Microplastics; Marine Debris; Litter T.4380	704	10.29% ▲	3.32	99.986
PPCP; Micropollutant; Carbamazepine T.178	596	11.63% ▲	1.70	99.969
Biochar; Soil Amendments; Black Carbon T.401	581	7.46% ▲	2.37	99.972
Antibiotic Resistome; Tetracycline Resistance; Integrons T.5235	296	9.81% ▲	1.69	99.947
Daphnia Magna; Titanium Dioxide Nanoparticle; Ecotoxicity T.323	273	6.17% ▲	1.16	99.931



在期刊页面查看期刊的主要关注方向

个方向下发表在
该期刊的论文

练习二

- 在scival左侧分析面板选择期刊板块，输入期刊名称 Nature Human Behavior
- 在期刊页面选择topics
- Wheel模式查看主要topic及学科分布，
- Table模式浏览topic细节，可按照发文量，或者prominence值排序

帮助

联系人	联系电话	工作时间
Scopus 支持中心	4008 426 973	周一至周五 09:00-18:00

快速指南　　在线检索　　应用场景小视频

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SciVal帮助中心

SciVal每月更新

SciVal快速操作指南

SciVal指标手册

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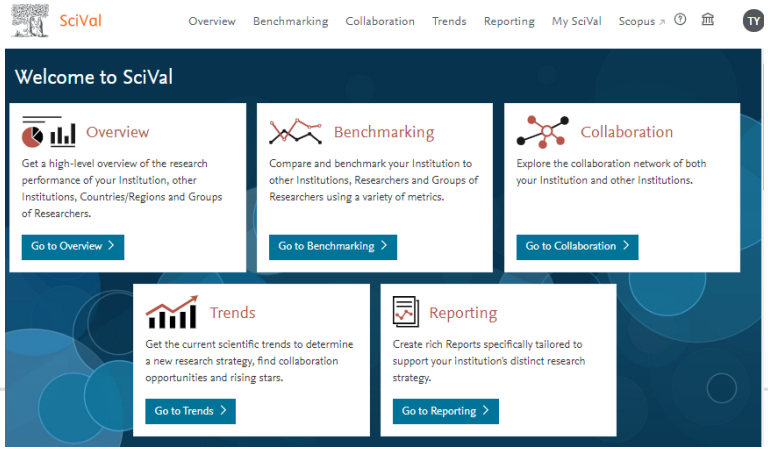
关于 Scopus和SciVal

- Scopus （www.scopus.com）
- 全球最大的摘要引文数据库
- 可以直接访问。登录后使用可以保存搜索结果，设置通知和推送

- SciVal（www.scival.com）
- 基于scopus数据的科研分析平台
- 需要注册账号后登录使用



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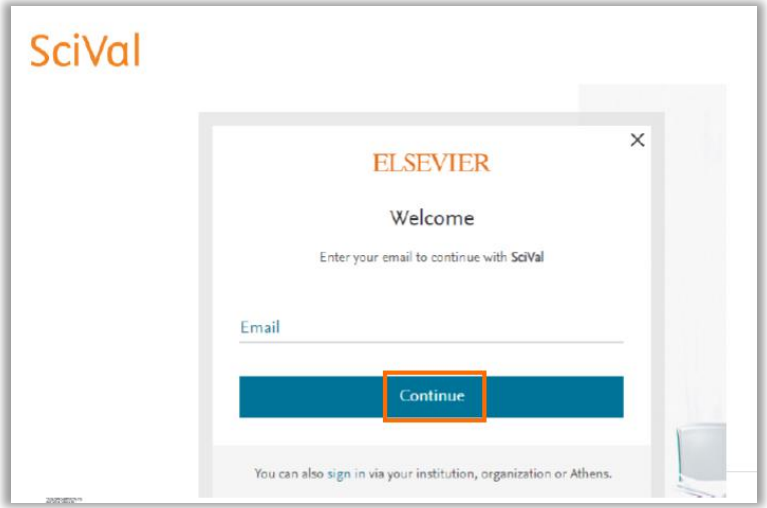
SciVal的正确打开方式

- 访问 www.scival.com
- 邮箱注册登录后使用



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本次课程小目标

- 利用Scopus提升文献发现效率
- 通过SciVal 研究主题topic，洞悉全球研究动态和趋势
- 追踪领域Top学者的主要研究方向，掌握研究热点；
- 关注top期刊的主要科学话题，了解最新研究动态

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Q & A

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