

2019年5月
吉林大学

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inspec-analytics.theiet.org

Inspec 50年 大数据中诞生的 Inspec Analytics

机构研究现状可视化分析
新方法

The Institution of Engineering & Technology

- IET英国工程技术学会是成立于1871年的学术团体
- 欧洲最大的专业工程学会
 - 主要出版
 - 期刊，图书，会议录，多媒体
- 二次文献出版
 - 文献题录数据库
 - Inspec



Agenda

- Inspec 50年概览（1969-2019）
- Inspec on WOS and EV
- 什么是Inspec Analytics？
- INSPEC Analytics的独特之处（26000,3600,10000）
- Inspec Analytics简要案例分析（吉林大学）
- 结语与问答

优质、专注、智慧

英国工程技术学会(IET)的INSPEC数据库是世界上首屈一指的科学百科数据库，其中包括近**1900**万篇工程、物理和计算科学方面最顶尖的科学文献的摘要及专门索引。为全球提供跨越了**50**年的优质、全面的科学和工程信息类关键电子资源。

印刷版资源可追溯**110**年



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《科学文摘》与 INSPEC 数据库的检索

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1 概述

1.1 沿革

英国《科学文摘》(Science Abstracts, 简称 SA)是一种物理学、电机与电子工程、计算机与控制、信息技术等领域的综合性科技检索刊物,其印刷版创刊于 1898 年,成立于 1871 年的英国的电气工程师学会(Institution of Incorporated Engineers, 简称 IIE)所属的物理学、电子技术、计算机及控制技术情报服务处(International Information Service in Physics, Electro-technology, Computer Control, 简称 INSPEC)负责编辑出版。1969 年起开始建立《科学文摘》数据库,称为“物理学、电气技术、计算机与控制情报服务”(Information Service in Physics, Electronics Technology and Computer & Control, 简称 INSPEC 数据库)。

1898 年,SA 创刊时,只出版 1 辑,名称为《科学文摘:物理与电气工程》(Science Abstracts: Physics and Electrical Engineering)。

1903 年,SA 从第 6 卷起改为两辑:《A 辑:物理文摘》(Section A: Physics Abstracts),《B 辑:电工文摘》(Section B: Electrical Engineering Abstracts)。

1966 年起,英国电气工程师协会(IEE)与美国的电气与电子工程协会(IEEE),英国的电子学与无线电工程师协会(IERE)以及国际自动控制联合会(IFAC)等单位联合出版 C 辑:《控制文摘》(Control Abstracts)。

1969 年起,B、C 两辑改为现名:《电气与电子学文摘》(Electrical and Electronics Abstracts),《计算机与控制文摘》(Computer and Control Abstracts)。1983 年起,又增加了 D 辑,新近又出版了 E 辑:《生产和制造工程学》(Production & Manufacturing Engineering)。

2006 年 3 月 31 日,IEE 与英国实务工程师学会(The Institution of Incorporated Engineers, 简称 IIE)合并组建为“工程技术学会”(The Institution of Engineering and Technology, 简称 IET),原 IEE 的 INSPEC 产品由 IET 继承。

1.2 出版特点

《科学文摘》是多学科的专业性检索工具,是电类文献的首选工具,内容全面、资料丰富、各类文献都经过认真筛选、编制质量较高;正文按分类编排,从分类角度查阅文摘很方便;另外,SA 有较好的索引系统,包括主题索引、著者索引和一些“小索引”。

“小索引”是一种便于查找文摘报道的特殊类型文献的索引;包括“参考文献目录索引”、“图书索引”、“会议文献索引”、“专利索引”、“报告索引”、“团体著者索引”、“引用期刊增补目录”。

目前,SA 印刷版有 3 个分辑,它们分别是:

A 辑:《物理文摘》(Series A: Physics Abstracts, 简称 PA),开始为月刊,自 1969 年起改为半月刊,每年 1 卷,由 IEE 与英国实务工程师学会(IIE)合并组建的“工程技术学会”(IET)编辑,IET 下设的“国际物理与工程情报服务部”(International Information Services for the Physics and Engineering Communities, 简称 INSPEC)出版。

B 辑:《电气与电子学文摘》(Series B: Electrical and Electronics Abstracts, 简称 EEA),月刊,每年 1 卷,由英国 IET 和美国 IEEE 联合编辑,INSPEC 出版。

C 辑:《计算机与控制文摘》(Series C: Computer & Control Abstracts, 简称 CCA),月刊,每年 1 卷。同 EEA 一样,也是由英国 IET 和美国 IEEE 联合编辑,INSPEC 出版。

另外,SA 还有 D 辑:《信息技术》(Series D: Information Technology, 简称 IT),E 辑:《生产和制造工程学》(Series E: Production & Manufacturing Engineering, 简称 PME)的电子版。

半月刊或月刊形式出版 SA 的 A、B、C 辑称之为文摘,是 SA 的主体内容。每隔半年或隔 3~5 年,SA 还出版配套的半年或多年累积索引。另外,除了这些印刷型出版物外,SA 还出版过缩微型和机读型(磁带或光盘)版本。

目前,INSPEC 产品主要分为电子产品和印刷品两大类,电子产品包括 SA 五个分辑的全部内容,类型包括网络数据库(Inspeconline)、本地数据库(Inspeconline loading)、光盘数据库(CD-ROM-“Inspecondisc”)、SA 回溯数据库(Inspeconline Archive)等,印刷品包括 SA 的 A、B、C 三辑和 Inspeconline 期刊摘要(Inspeconline Journals)。INSPEC 已成为物理学、电气与电子工程、计算机及信息科学等领域的权威性英文文摘数据库,也是全球各国查新和专利申请/审批的必检数据库之一。

1.3 SA 的内容

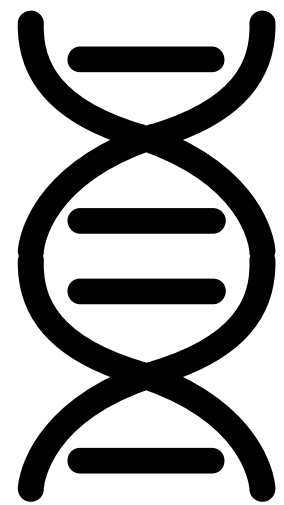
SA 报道的文献来自世界 80 多个国家和地区、涉及 29 种语言的期刊论文、会议文献、技术报告、学位论文、图书专著、标准资料等(1977 年前 SA 还曾经报道过专利说明书),其中期刊占 73%、会议论文占 17%、发表在期刊的会议论文占 8%、其他(包括书和书的章节、文献报告和报告章节、毕业论文)占 2%。中国出版的期刊有 120 种收录在其中。

SA 各辑报道的学科范围分别为:

《科学文摘, A 辑:物理文摘》内容包括:基础物理及核子物理、原子与分子物理学、电子动力学、量子力学、核子结构、核能、光学、声学、电浆物理学、材料科学、生物物理学、地球物理学、天文学、天体物理学、半导体、超导体、磁学、雷射、光纤、仪表学、核

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物理学



10 million +

电气与电子工程



7 million

计算机与控制工程



5.5 million

生产、制造与机械工程



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18.6m records (May 2019)

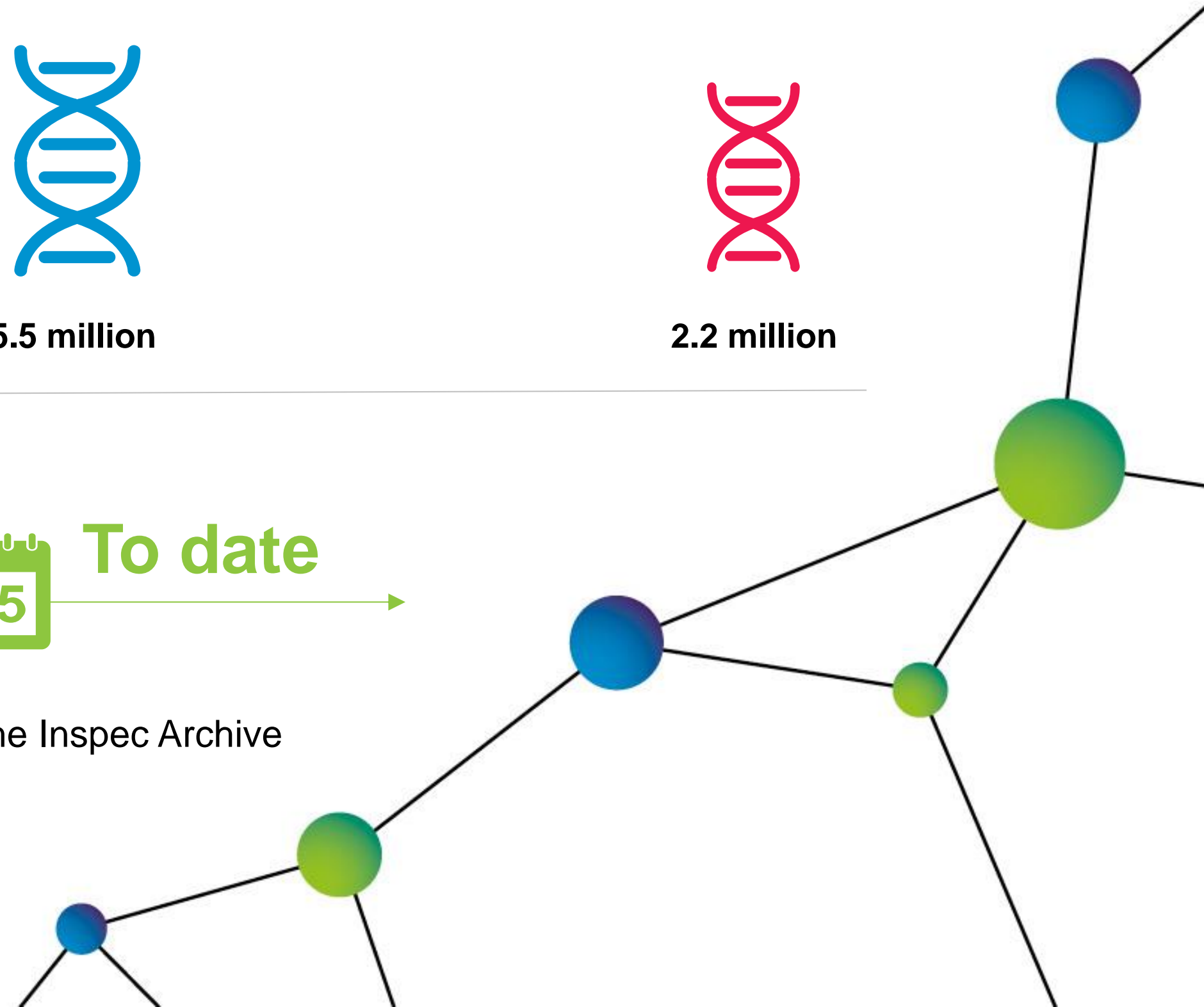


- 2018年新增 **890,000** 条记录
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1969 To date



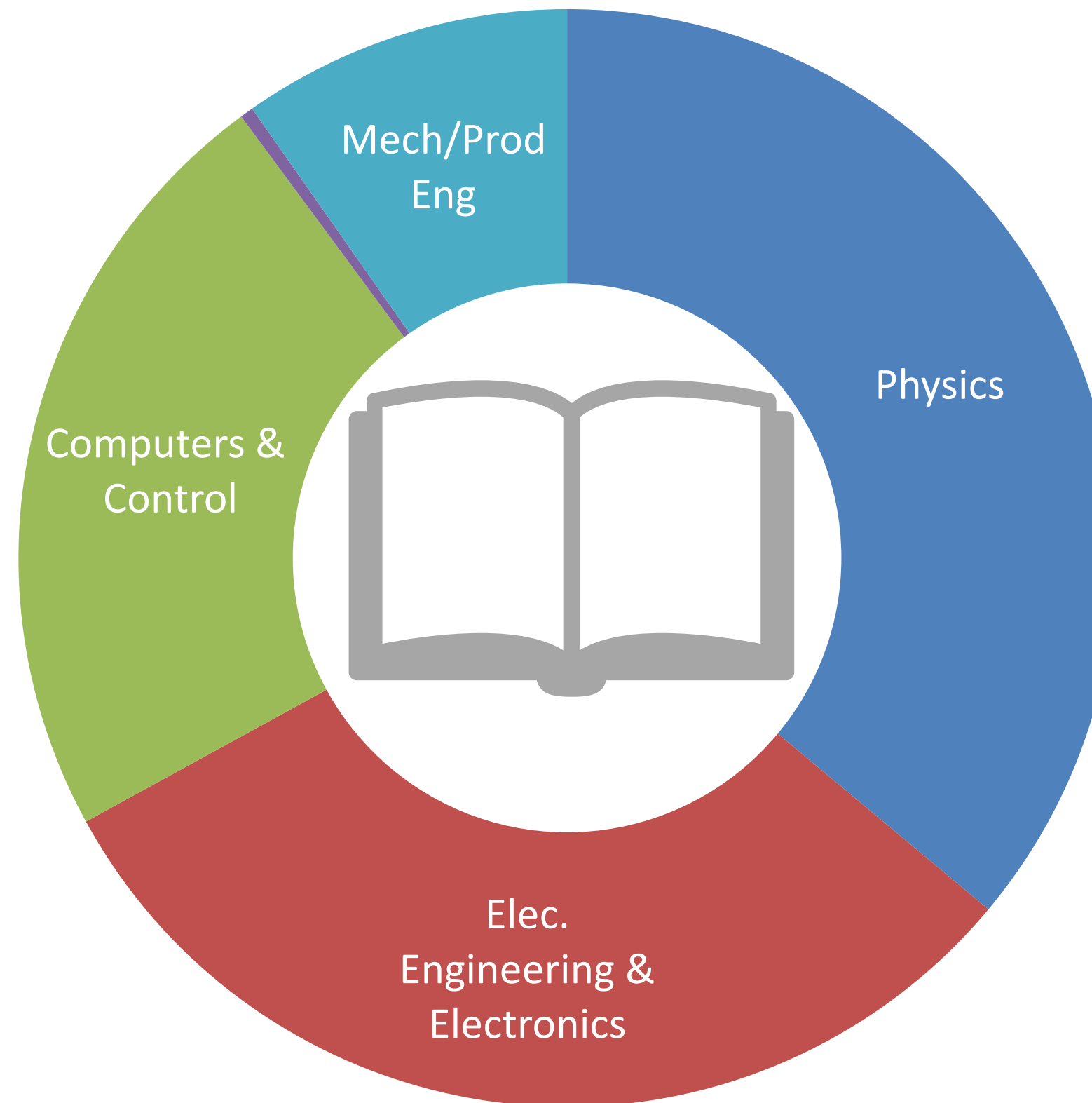
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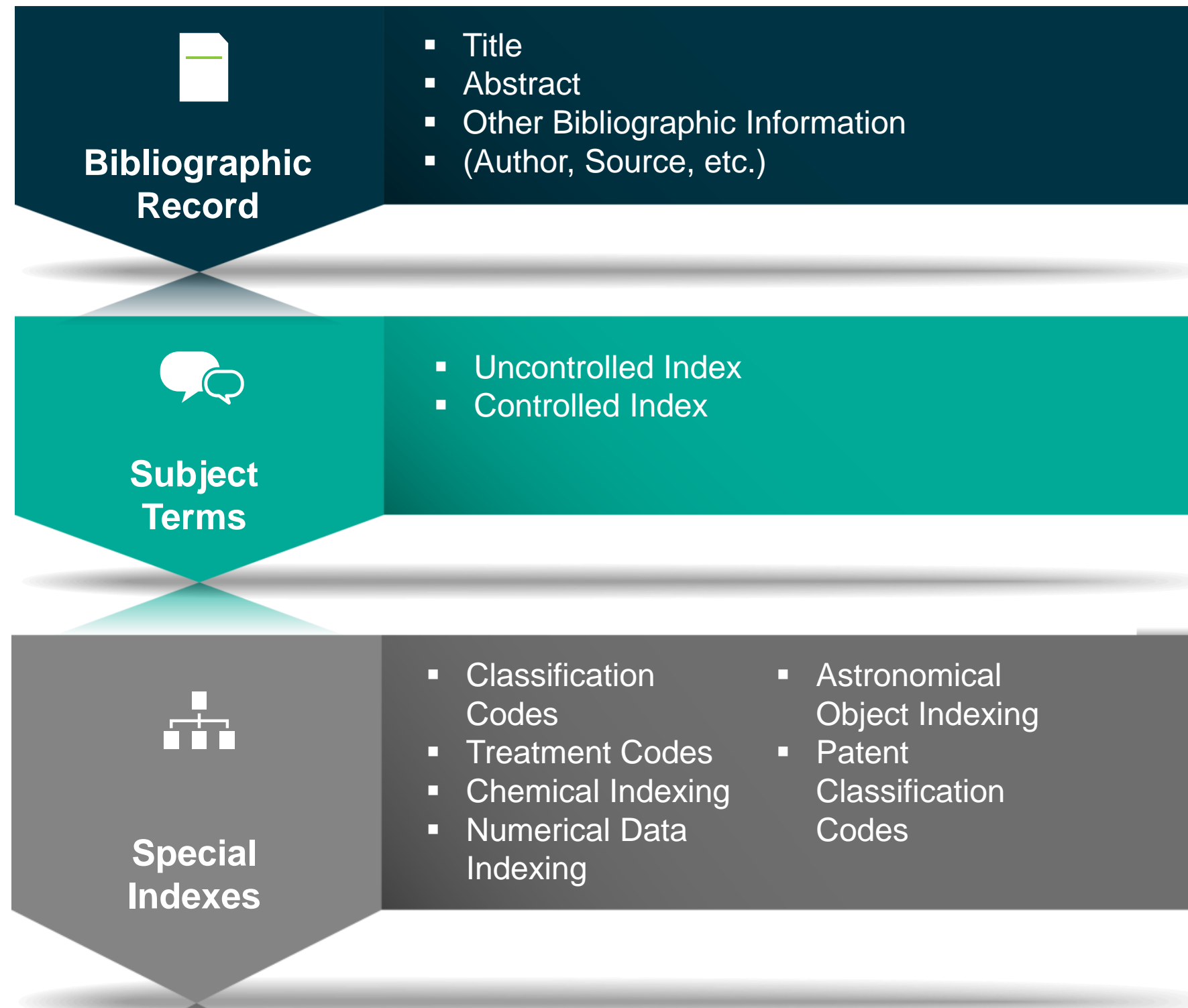
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- 物理学
- 电气与电子工程
- 计算机信息技术与控制工程
- 机械与生产工程学

Inspec能够精确搜索跨学科的主题领域和跨越传统科学学科的新兴技术,使相关内容能够被广泛的研究人员发现

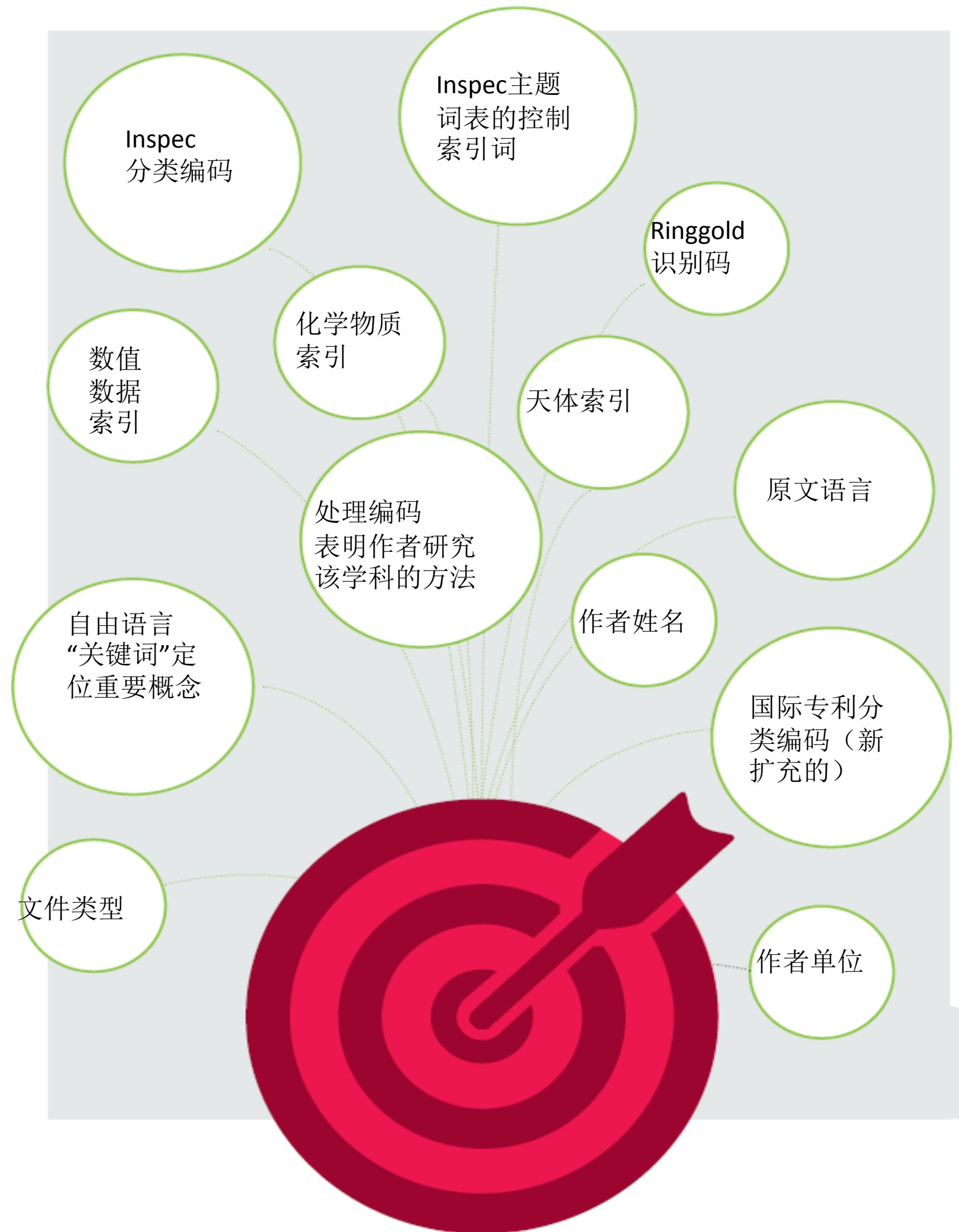


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浙江工业大学 万跃华

Inspec – Record记录

Fabrication of all-solid-state thin-film secondary cells using hexacyanometallate-based electrode materials

Author(s): Eftekhari, A.¹

Affiliation(s): 1. Electrochem. Res. Center, Tehran, Iran

Journal: *Journal of Power Sources*, vol.132, no.1-2 , p.291-5

Publication Date: 20 May 2004

Publisher: Elsevier , Switzerland

ISSN: 0378-7753 (print)

JIN: J276

CODEN: JPSODZ

SICI: 0378-7753(20040520)132:1/2L:291:FSST;1-D

CCCC: 0378-7753/04/\$30.00

DOI: 10.1016/j.jpowsour.2004.01.002

Language: English

Abstract: All-solid-state thin-film secondary cells were prepared using transition metal hexacyanometallates as anode and cathode materials. Two different approaches are employed to prepare highly stable films of the electroactive materials viz. using aluminum substrate as a current collector and deposition under centrifugal forces. At the first stage, the cell design is examined for a well-known case, Prussian blue (PB) secondary cell. The experimental results are indicative of the fact that the cell properties such as its charge/discharge behavior, specific capacity, cyclability, and coulombic efficiency are significantly improved. At the second state, the cell design proposed was successfully used to fabricate a high-voltage secondary cell based on chromium hexacyanochromate (CrHCC) anode and Prussian blue (PB) cathode. Then, eight unit cells were connected in series to prepare a rechargeable battery with an operating voltage of ca. 20 V. Thus, the results are of interest for the preparation of microbatteries with specified properties.

Treatment: Practical; Experimental

Controlled indexing: [aluminium](#); [chromium compounds](#); [dyes](#); [electrochemical electrodes](#); [electrodeposits](#); [organic compounds](#); [secondary cells](#); [substrates](#); [thin films](#);

Uncontrolled indexing: solid-state thin-film secondary cells; thin-film electrode; microbattery; electrode materials; electroactive materials; charge/discharge behavior; specific capacity; cyclability; coulombic efficiency; aluminum substrate; current collector; centrifugal force deposition; chromium hexacyanochromate anode; Prussian blue cathode; Al

Classification: [A8630F](#) Secondary cells ; [A8245](#) Electrochemistry and electrophoresis ; [B8410E](#) Secondary cells

IPC: [C09B](#) Organic dyes or closely-related compounds for producing dyes; Mordants; Lakes ; [C25B11/00](#) Electrodes; Manufacture thereof not otherwise provided for ; [C25D17/10](#) Electrodes ; [H01M4/00](#) Electrodes ; [H01M10/00](#) Secondary cells; Manufacture thereof

Chemical indexing: Al/int Al/el

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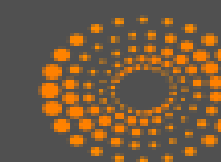
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Example: supernova dust*



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From 1898 ▾ to 2014 ▾

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Use field tags, Boolean operators, parentheses, and query sets to create your query. Results will appear in the Search History table at the bottom of the page. ([Learn more about Advanced Search](#))

Example: TS=(nanotub* AND carbon) NOT AU=Smalley RE
#1 NOT #2 [more examples](#) | [view the tutorial](#)

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Restrict results by languages and document types:

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Booleans: AND, OR, NOT, SAME, NEAR


Field Tags:

TS= Topic	UI= Uncontrolled Index [Thesaurus]
TI= Title	CL= Classification [List]
AU= Author [Index]	CH= Chemical Data
AI= Author Identifiers	AO= Astronomical Object
ED= Editor	MI= Meeting Information
SO= Publication Name [Index]	IC= Identifying Codes
PY= Year Published	SU= Research Area
AD= Address	IS= ISSN/ISBN
CIX= Controlled Index [Thesaurus]	UT= Accession Number

[See help for Numerical Data tags.](#)

TIMESPAN

All years 

From  to 

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Field	Code	Field	Code
Abstract (c, i, n, pc, cm, cb, el, ep, g, f, u, e)	AB	Major term as a product (el, ep)	CVMP
Accession number (c, i, n, pc, el, ep, g, f)	AN	Major term as a reagent (el, ep)	CVMA
Affiliation/Assignee (c, i, n, pc, cm, el, ep, g, f, u, e)	AF	Major term with no role (el, ep)	CVMN
All fields (c, i, n, pc, cm, cb, el, g, f, u, e)	ALL	Material identity number (i)	MI

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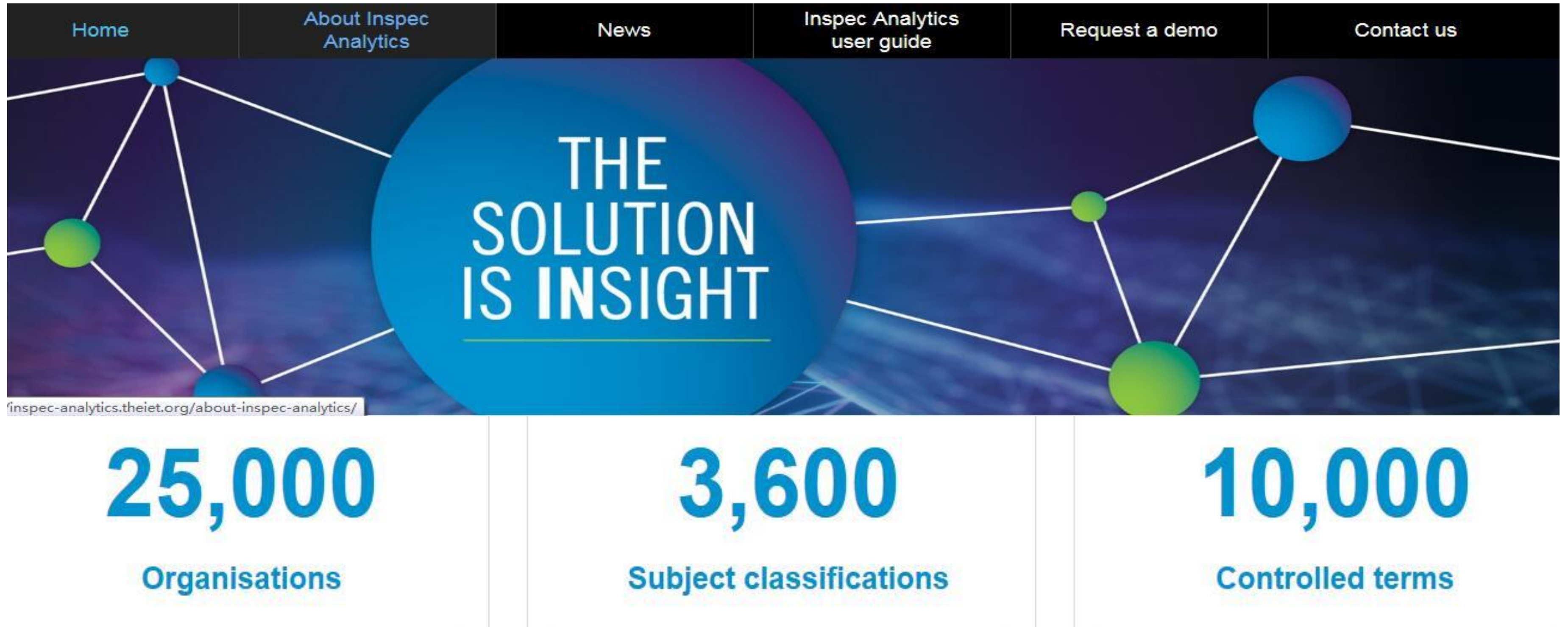
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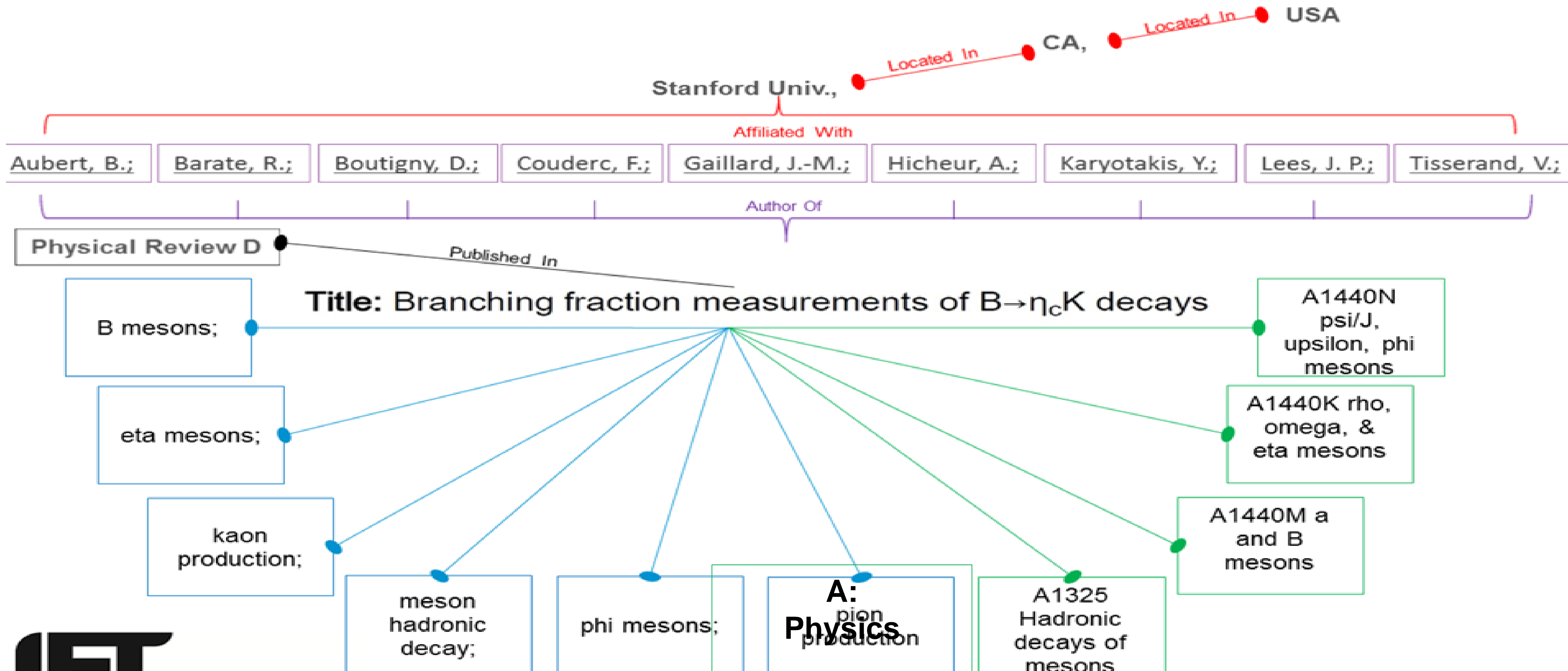
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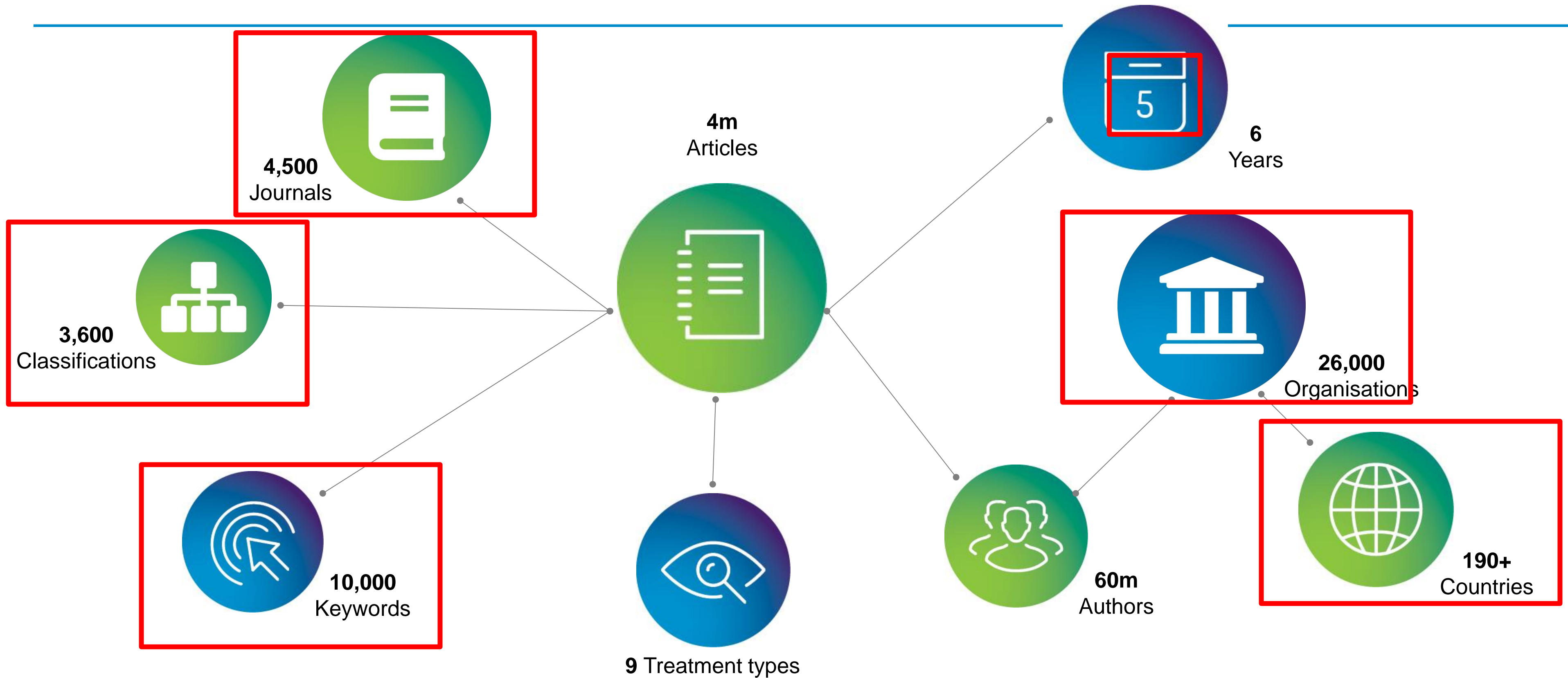
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Semantic Linking



机构研究现状可视化分析工具



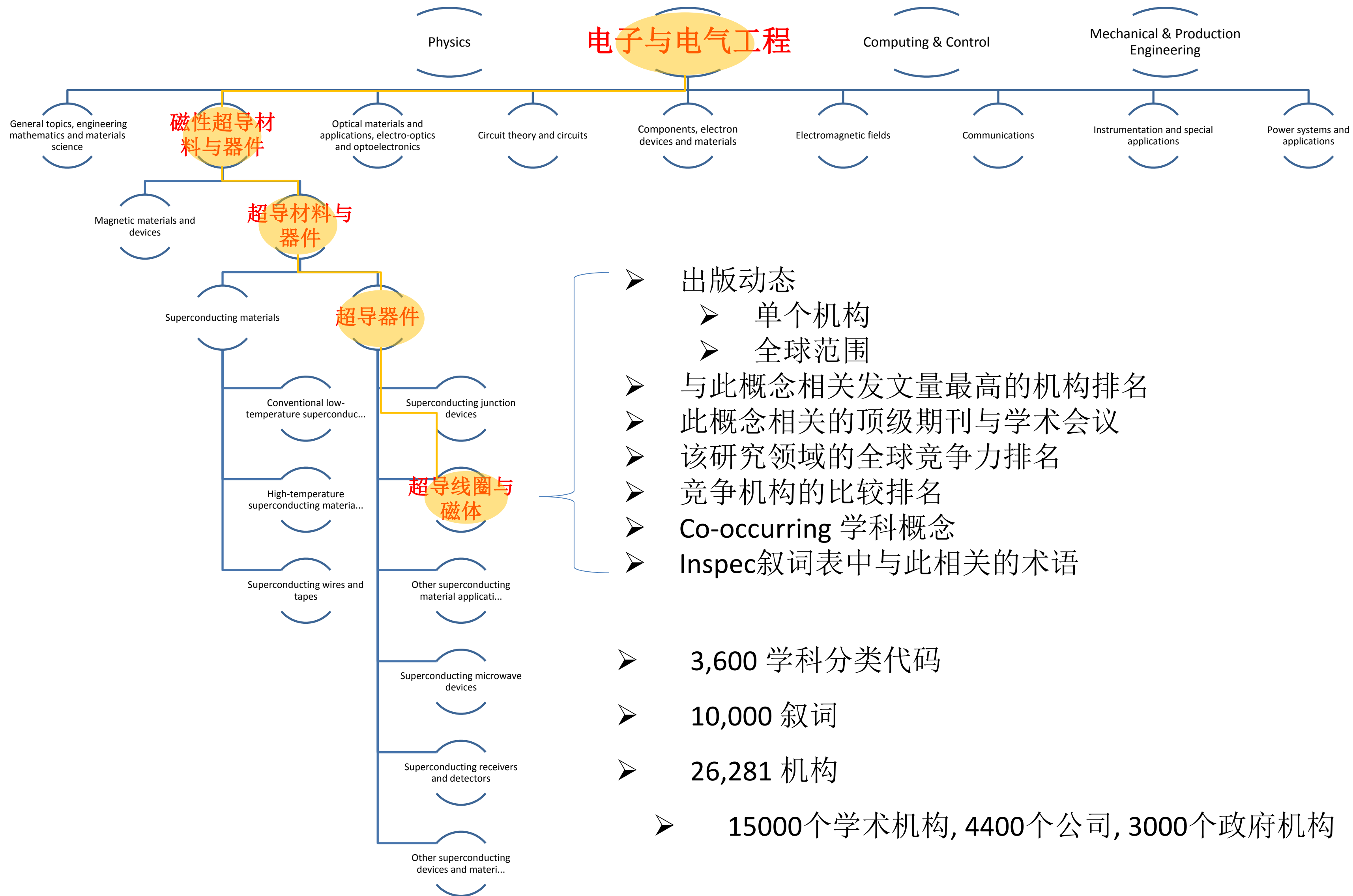
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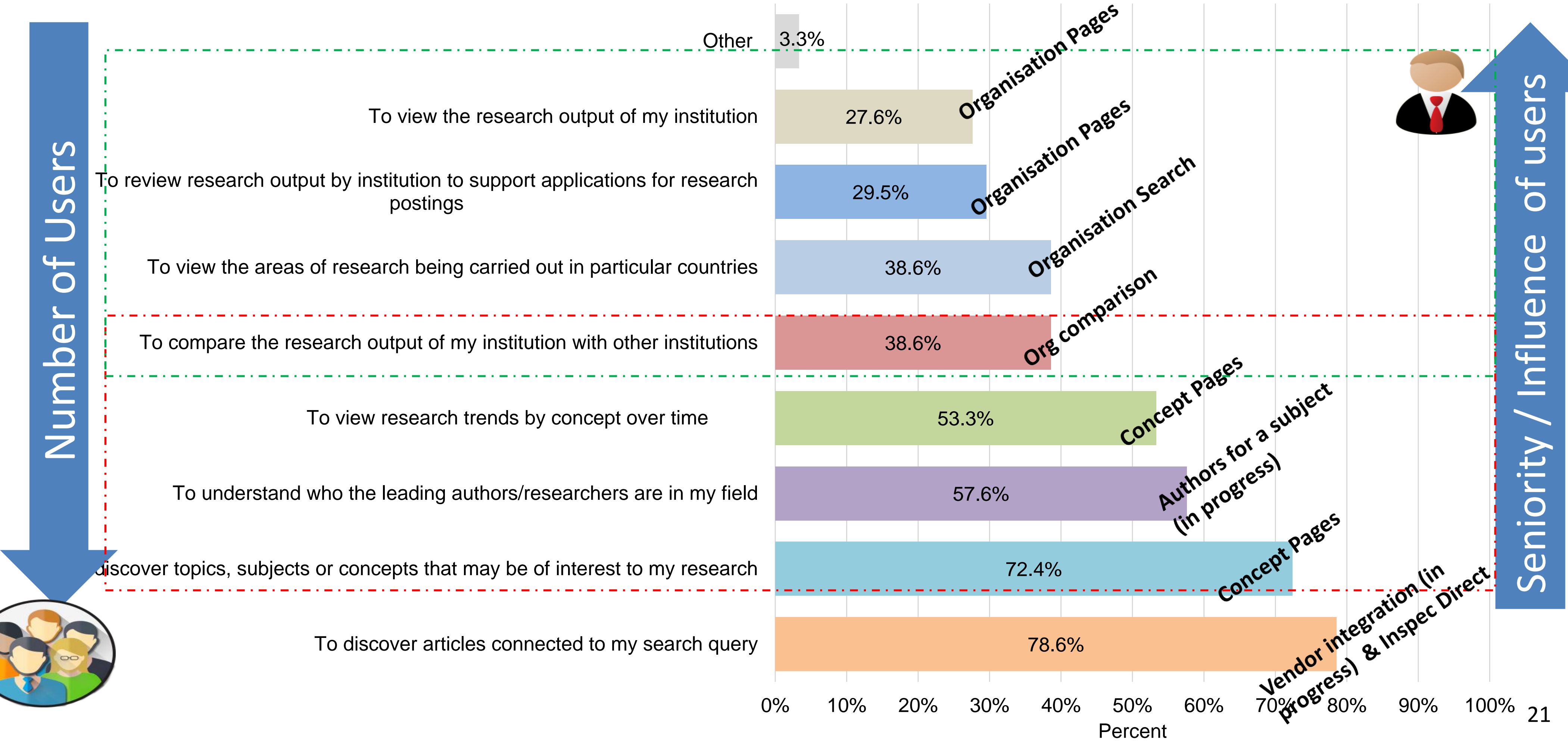
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 - Generating stations and plants 发电站与电厂
 - Thermal power stations and plants 火力发电站与电厂
 - Gas-turbine power stations and plants 燃气轮机电站与电厂



谁在使用Inspec Analytics?怎么用?



Inspec Analytics 进化史

The screenshot displays the Inspec Analytics web application interface, showing three panels for KTH Royal Institute of Technology data analysis. The browser tabs indicate the URL is ietd-poc-inspec-web.azurewebsites.net.

KTH Royal Institute of Technology - Concepts

Date range: 01/01/1969 - 05/31/2017

This panel features a donut chart showing the distribution of concepts. A callout box highlights "B0250 Combinatorial mathematics Classification (214)".

KTH Royal Institute of Technology - Related organisations

Date range: 01/01/1969 - 05/31/2017

This panel displays a bar chart of related organizations. The top organization is "Mdp Ag" with 60 authors.

Organisation	Authors
Mdp Ag	60

KTH Royal Institute of Technology - Articles

Date range: 01/01/1969 - 05/31/2017

This panel shows a line graph of article counts over time. A red line indicates "Articles from Kth" with a total of 595 articles. A table below lists article titles and authors.

Articles	Authors
A distributed approach for the optimal power flow problem	Hedstrom, P.
A framework for computing effective boundary conditions at the interface between free fluid and a porous medium	Vanfrati, L.

View graph for a related item:

- Person
- Content
- Controlled Term
- Classification

IET Inspec Analytics Beta

Home > Organisations > Universitat de Valencia

Organisations

- Universitat de Valencia
- Subject classifications
- Controlled terms
- Collaborating organisations
- Articles
- Authors
- Detailed classification comparison
- Controlled terms
- Subject classifications

Universitat de Valencia
Valencia, Spain
Academic
Rank: 203 of 24,655 organisations by article output

Export as PDF

Inspec Analytics user guide

IET Inspec Analytics Beta

Home > Organisations > Universitat de Valencia

Organisations

- Universitat de Valencia
- Subject classifications
- Controlled terms
- Collaborating organisations
- Articles
- Authors
- Compare organisations
- Controlled terms
- Subject classifications

Universitat de Valencia
Valencia, Spain
Academic
Total: 4061

Articles per year

Year	Articles
2013	~800
2014	~800
2015	~750
2016	~800
2017	~750

Export as PDF

IET Inspec Analytics Beta

Search for an organisation

Trend Chart | Galaxy Chart

Year	Count
2014	277
2015	165
2016	194
2017	144

From 2013 To 2017

Articles	Global rank (Rank applicable from 2013 - 2017)
1032	9 of 2923
820	181 of 10123
716	187 of 12569
670	514 of 16536
404	68 of 4390
298	720 of 10702
298	355 of 9494
272	571 of 8738
41	527 of 4962
15	1068 of 4386

Home > Organisations > Universidad Autonoma de Madrid > Detailed classification comparison

Controlled terms

- Collaborating organisations
- Articles
- Authors
- Detailed classification comparison
- Controlled terms
- Subject classifications

■ Universidad Autonoma de Madrid, Madrid, Spain
■ Universidad de Sevilla, Sevilla, Spain
■ Universitat de Barcelona, Barcelona, Spain

Article classification counts

Subject classification coverage (%)

Organisation	Articles	B8100 - Power networks and systems	B8200 - Generating stations and plants	B8300 - Power apparatus and electric machines
Universidad Autonoma de Madrid, Spain	64	10 (31.8%)	15	15
Universidad de Sevilla, Spain	426	155 (77.3%)	160	160

Home > Organisations > Universitat de Valencia

Search for an organisation

Rank & Articles

Rank: 303 of 24,655 organisations by article output, based upon 4,061 articles published from 2013 - 2017

Top controlled terms

Controlled term	Articles	Global rank (Rank applicable from 2013 - 2017)
1. proton-proton inclusive interactions	198	82 of 715
2. high-energy elementary particle interactions	187	75 of 708
3. cosmology	166	45 of 1932
4. quantum chromodynamics	162	15 of 1263
5. CP invariance	138	3 of 856
6. organic compounds	137	256 of 7641
7. dark matter	129	27 of 1436
8. meson hadronic decay	129	19 of 711
9. standard model	129	13 of 1003
10. models beyond standard model	128	5 of 1008

Total terms: 3532

Subject classifications

Subject Classification	Coverage	Articles	Global rank (Rank applicable from 2013 - 2017)
A - Physics	100%	3133	202 of 19442
B - Electrical engineering and electronics	37%	1153	430 of 17551
C - Computers and control	24%	743	558 of 17407
E - Mechanical and production engineering	14%	414	532 of 14863

Search for a controlled term

Top organisations

Organisations	Count
1. European Organization for Nuclear Research, Geneva, Switzerland Government	181
2. Istituto Nazionale di Fisica Nucleare, Frascati, Italy Academic	111
3. Hermann von Helmholtz-Gemeinschaft Deutscher Forschungszentren, Bonn, Germany Academic	89
4. Max-Planck-Gesellschaft zur Förderung der Wissenschaften	83

Total organisations: 841

Classification codes

Classification codes	Count
1. A1000 - The physics of elementary particles and fields	2659
2. A1200 - Specific theories and interaction models; particle systematics	2655
3. A1210 - Unified field theories and models	2646
4. A1210B - Electroweak theories	2601
5. A1400 - Properties of specific particles and resonances	2078
6. A1100 - General theory of fields and particles	1926
7. A1480 - Other and hypothetical particles	1767

Total codes: 367

Conferences

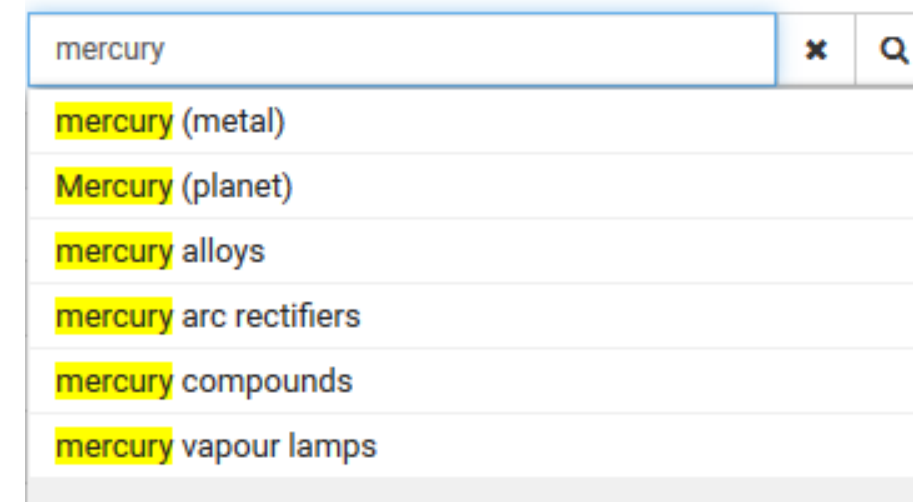
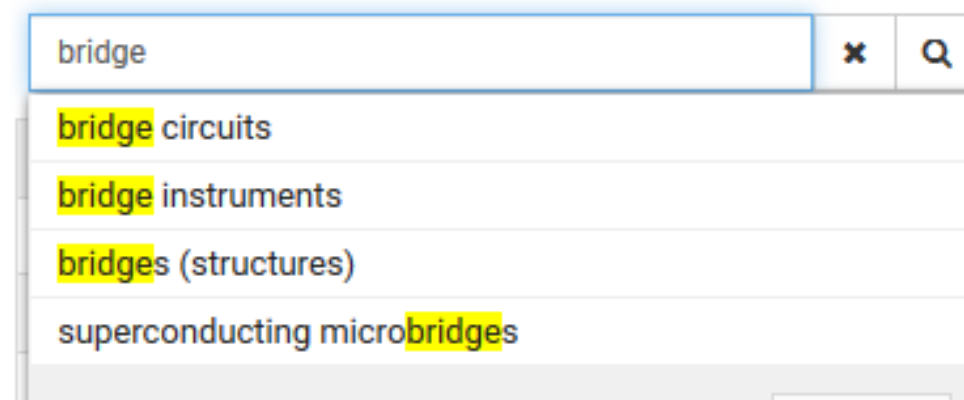
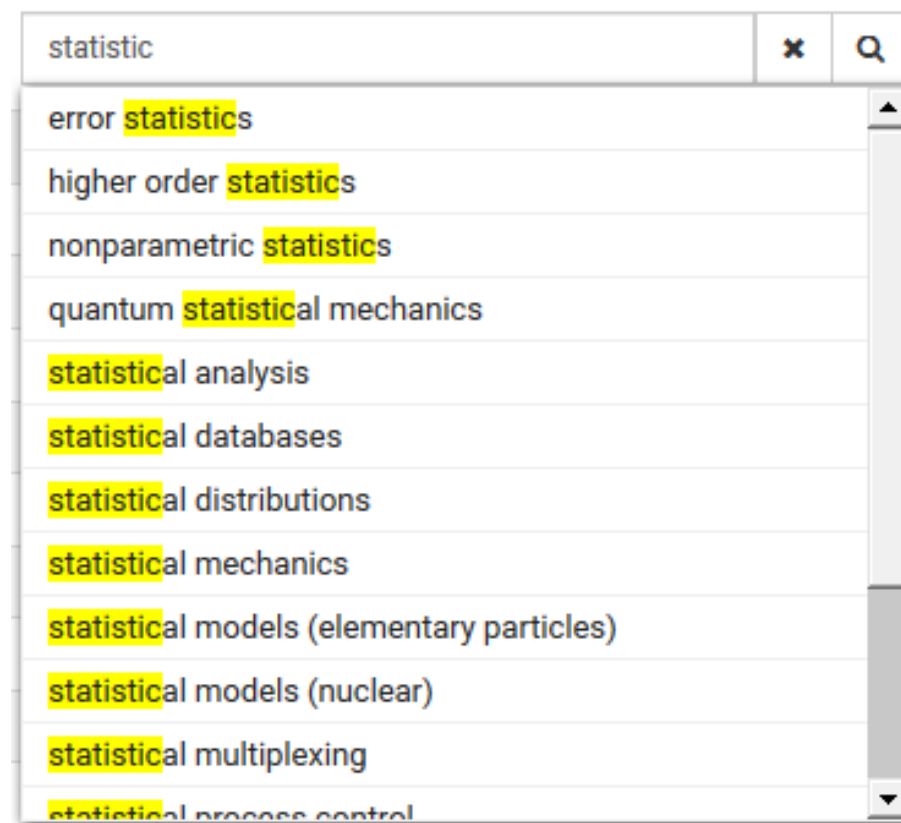
Conference	Count
1. Strong Coupling Gauge Theories in the LHC Perspective. KMI-GCOE Workshop, Proceedings	8
2. Quest for the Origin of Particles and the Universe: Proceedings of the KMI Inauguration Conference	2
3. Physics Letters B	168
4. Finnish Physical Journal C - Particles and Fields	156

INSPEC ANALYTICS的独特之处

HUMAN CURATED INDEXING:

50年来Inspec始终坚持使用专业人员进行人工标引。

不同于机器标引，具备专业背景的标引人员总是懂得区分不同研究领域却又形似的术语。这保证了Inspec标引的质量,为科研人员 and 图情工作者提供值得信赖的视角。



INSPEC ANALYTICS检索主界面

IET Inspec Analytics Beta

User guide | About

Cambridge

- Cambridge Associates - Boston, USA
- Cambridge Biomedical Campus - Cambridge, UK
- Cambridge Crystallographic Data Centre - Cambridge, UK
- Cambridge Econometrics Ltd - Cambridge, UK
- Cambridge Econometrics Ltd - Cambridge, UK (Cambridge Econometrics Ltd)
- Cambridge Economic Policy Associates - London, UK
- Cambridge Health Alliance - Cambridge, USA
- Cambridge High School - Cambridge, USA
- Cambridge Information Group - Bethesda, USA
- Cambridge Institute of Technology - Bangalore, India

Showing 10 of 28 records

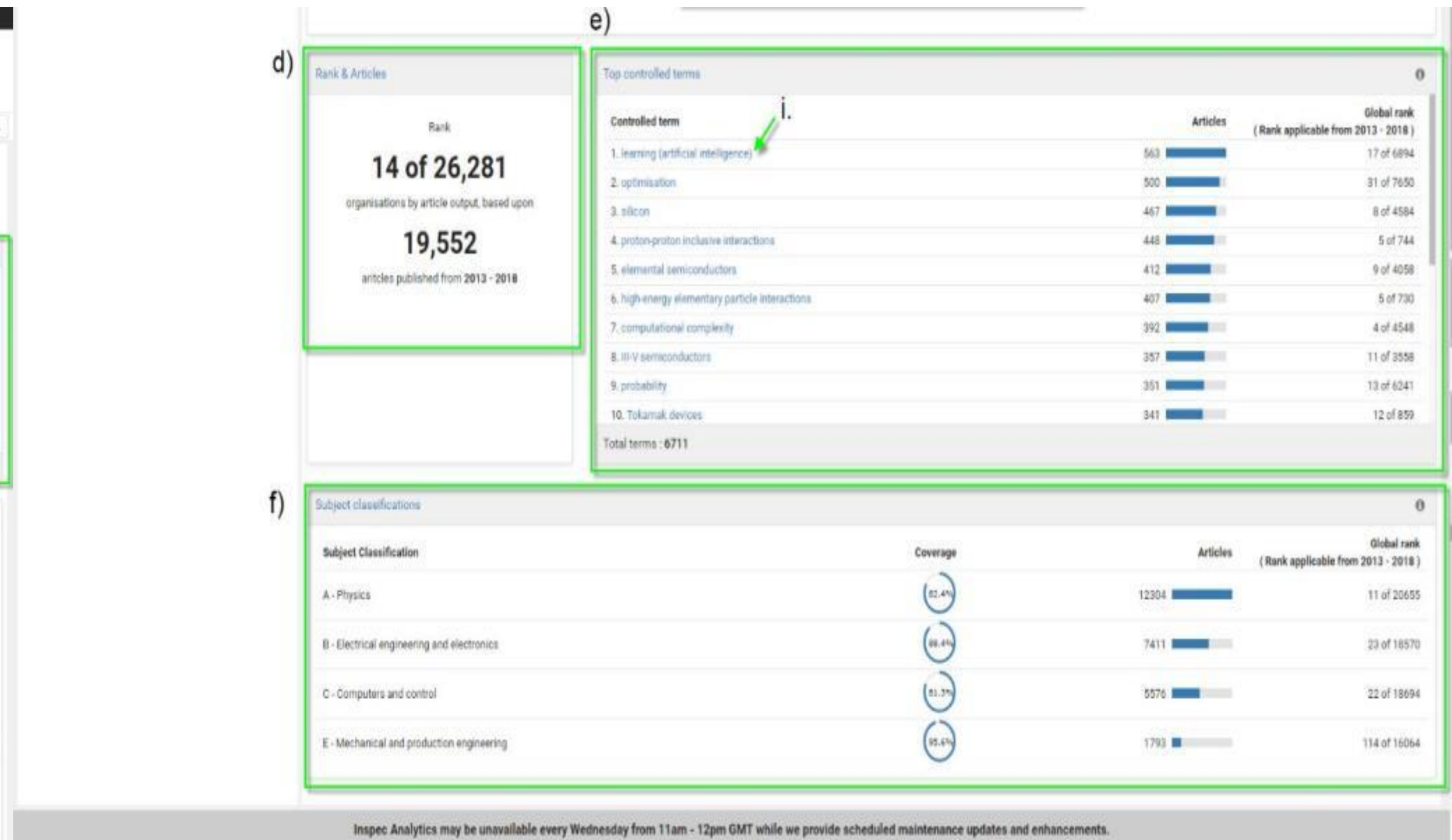
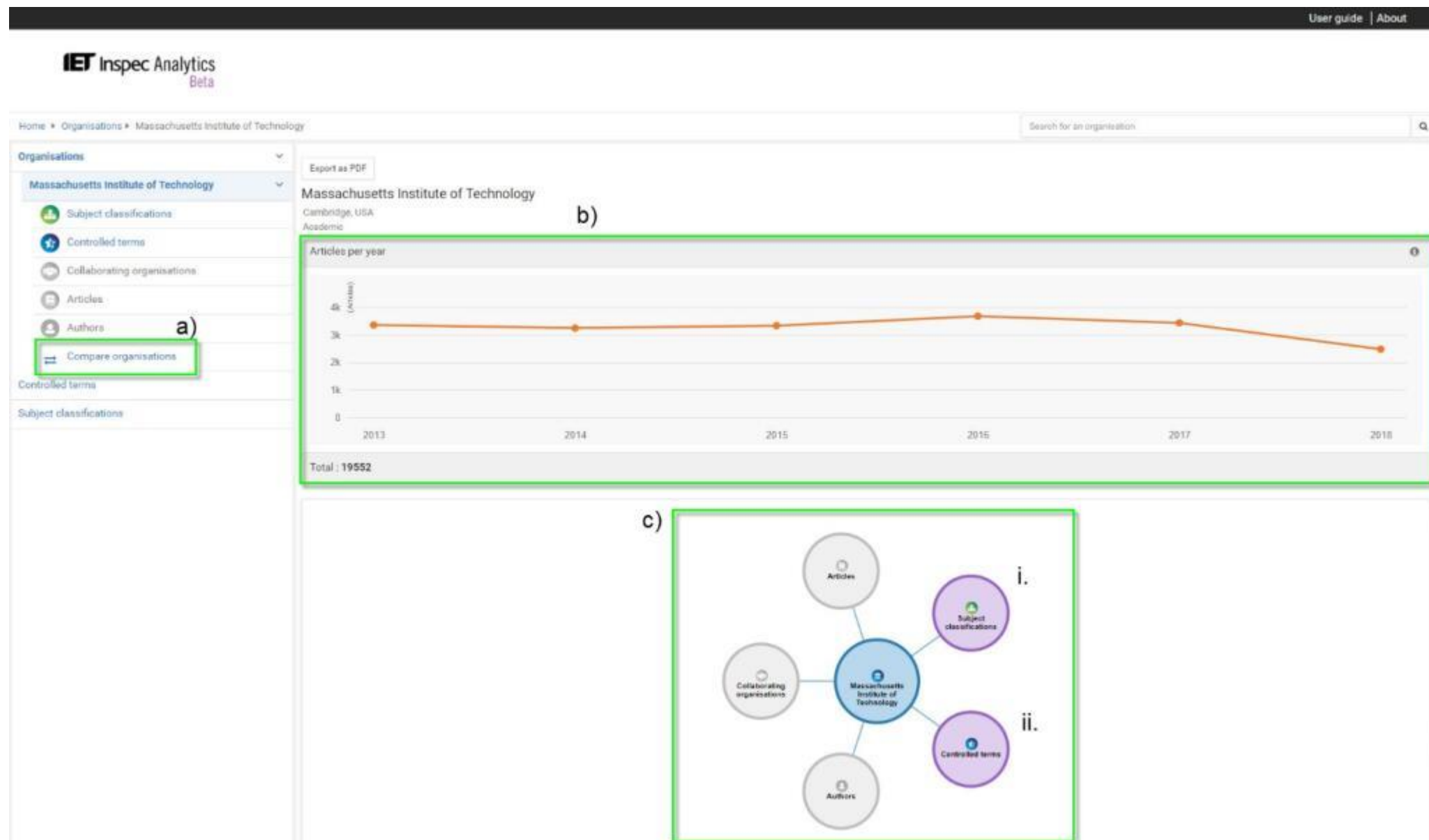
Load More

26,281
Organisations

3,567
Subject classifications

9,967
Controlled terms

INSPEC ANALYTICS机构查询（麻省理工学院）



a) Organization Comparison page 机构比较功能

b) Articles per Year graph 发文量曲线

c) The Galaxy Chart 机构星图

d) Rank and articles tile 机构排名与发文量统计

e) The Top Controlled Terms table 控制词列表

f) Subject Classifications table 学科分类代码列表

INSPEC ANALYTICS 热词检索 (photoluminescence)

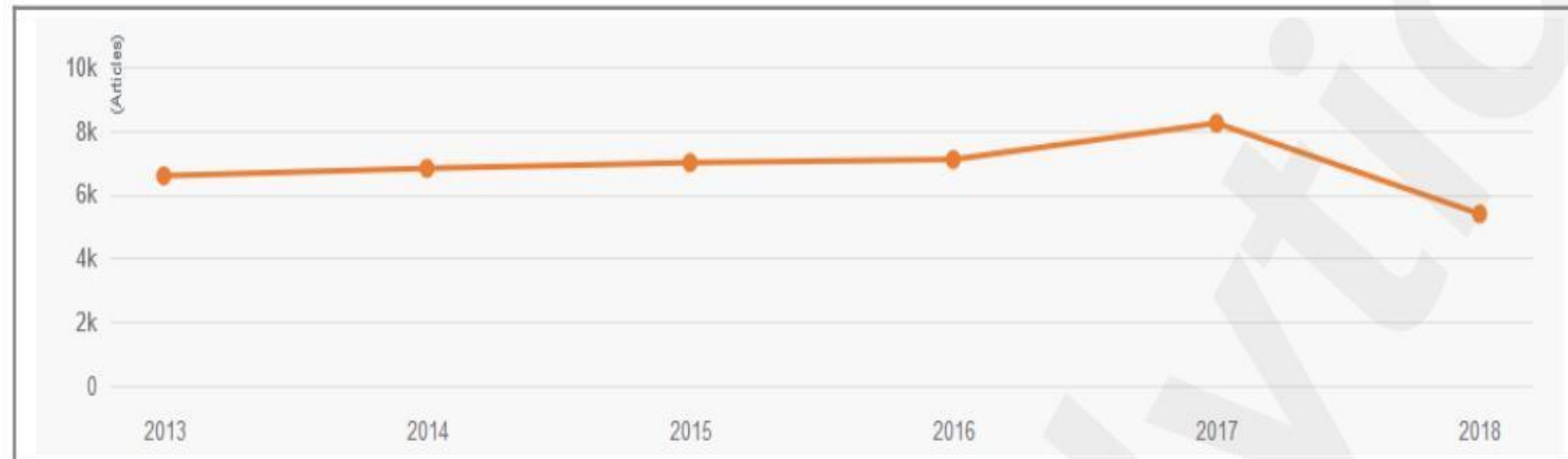
photoluminescence

[view online](#)

Total uses of this Concept - 41126

Report generated from year 2013 to 2018

Controlled term over time



Top organisations

#	Organisations	Articles
1	Jilin University Changchun, China Academic	509
2	Council of Scientific and Industrial Research New Delhi, India Academic	415
3	Nacional'na akademija nauk Ukraini Kiev, Ukraine Academic	368
4	Tohoku Daigaku Sendai, Japan Academic	316
5	Fiziko-tehniceskij institut imeni A F Ioffe Sankt Peterburg, Russia Academic	301

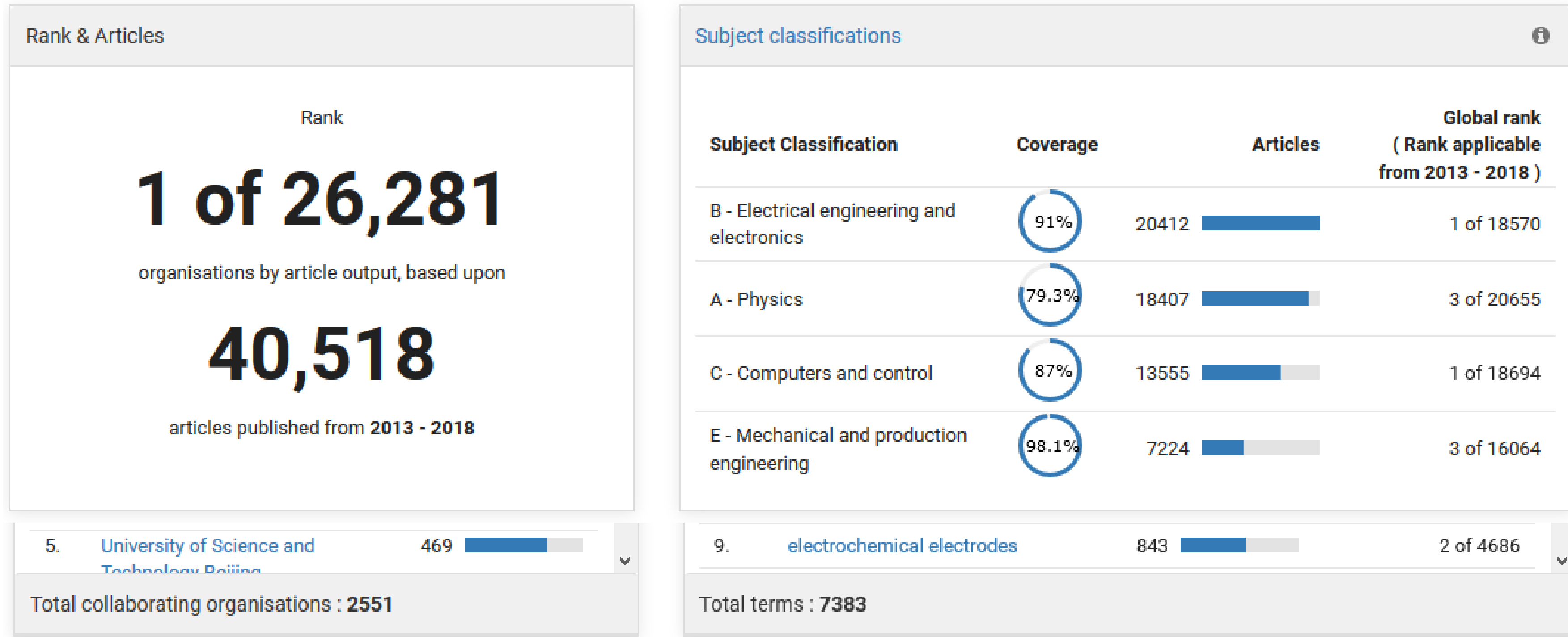
Co-occurring concepts

#	Controlled terms	Articles
1	X-ray diffraction	13417
2	nanofabrication	11587
3	wide band gap semiconductors	9531
4	visible spectra	8838
5	ultraviolet spectra	8785
6	semiconductor growth	7830
7	zinc compounds	7686
8	II-VI semiconductors	7607
9	scanning electron microscopy	7119
10	nanoparticles	6409

Related controlled terms

#	Broader terms
1	luminescence
Total terms : 1	
#	Narrower terms
Total terms : 0	
#	Related terms
1	Judd-Ofelt theory
2	light absorption
3	microcavities
4	porous semiconductors
5	radiation quenching
6	scintillation counters

Tsinghua University 机构简析



学科概念分析与(Artificial Intelligence)

Related controlled terms

Broader terms ⓘ

[artificial intelligence](#)

Total terms : 1

Related Subject classifications

Subject classifications ⓘ

- [C1230L - Learning in AI](#)
- [C1240 - Adaptive system theory](#)
- [C5290 - Neural computing techniques](#)
- [C6170K - Knowledge engineering techniques](#)

Total classifications : 4

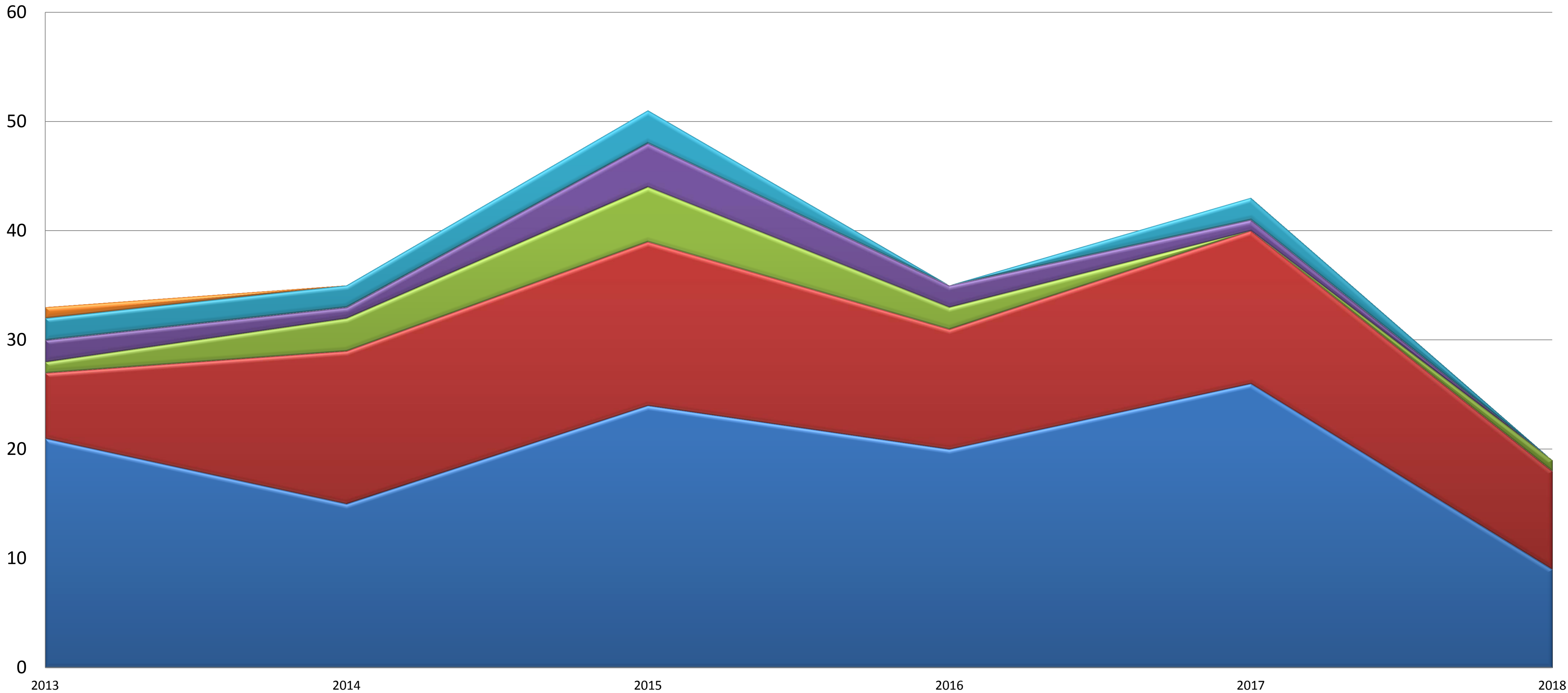
Related terms ⓘ

- [adaptive resonance theory](#)
- [Boltzmann machines](#)
- [decision trees](#)
- [feature selection](#)
- [feedforward neural nets](#)
- [granular computing](#)
- [Hopfield neural nets](#)
- [image annotation](#)

Total terms : 19

5th level Electrical Engineering Trends over Time

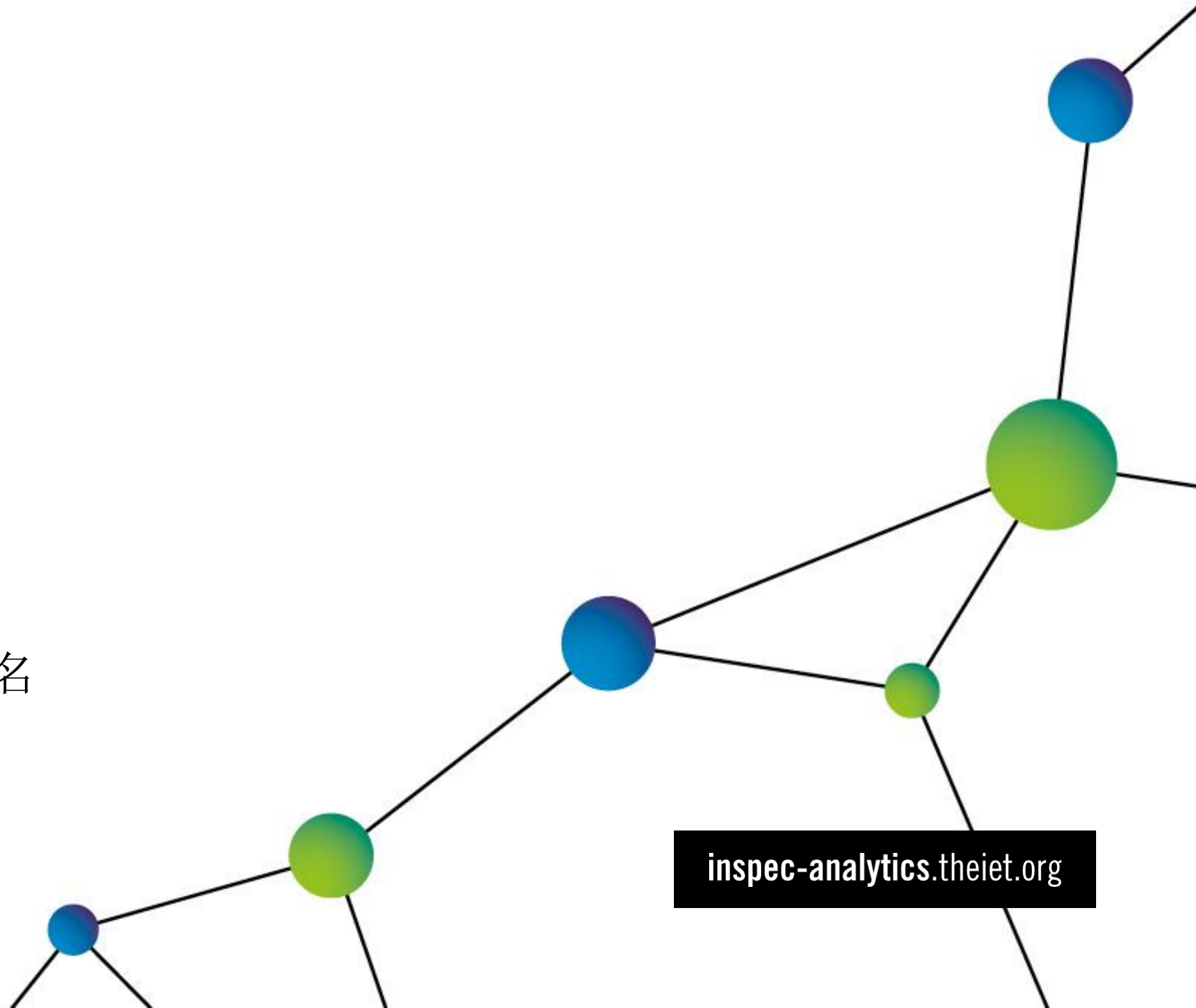
- B0520D - Vacuum deposition
- B0520J - Deposition from liquid phases
- B0520X - Other thin film deposition techniques
- B0520F - Chemical vapour deposition
- B0520B - Sputter deposition
- B0520H - Pulsed laser deposition



对于你的机构来说

Inspec Analytics是一个信息分析工具，使得管理人员和资深教师能够找到如下复杂问题的答案：

- 某机构在特定领域的科研产出有哪些？
- 特定研究领域最多产的机构？作者？期刊？
- 特定院校的相对优劣之所在？
- 我们可以研究哪些新的领域？
- 我们应该和谁，可以和谁就某个特定课题进行合作？
- 要了解某一学科，应该订阅哪些期刊，参加哪些学术会议
- 我们在某一学科领域的全球学术排名如何？怎样提高我们的排名



Inspec Analytics 简要案例分析 (吉林大学)

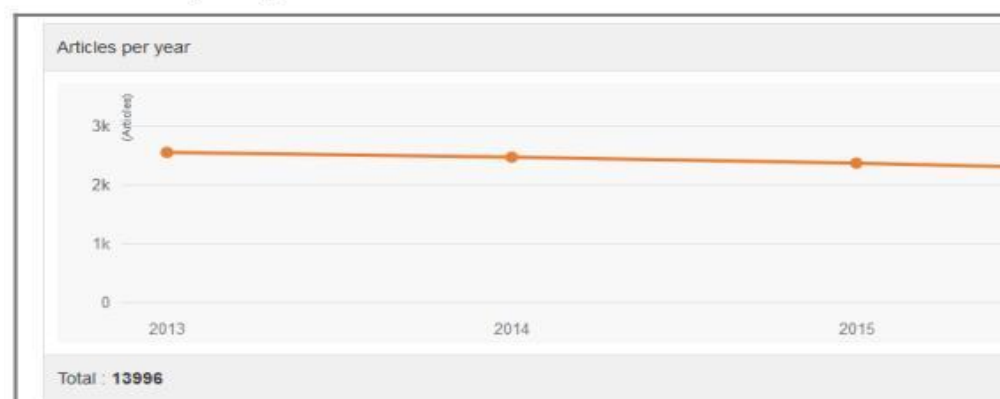
Jilin University [view online](#)

Changchun, China
Academic

Rank 40 of 26281 organisations by article output, based upon 13996 articles published from 2013 to 2018
Report generated from year 2013 to 2018

#	Year	Articles
1	2013	2547

Articles per year



Total: 13996

Subject classifications

#	Subject classification	Coverage
1	A - Physics	62%
2	B - Electrical engineering and electronics	76.5%
3	C - Computers and control	75.1%
4	E - Mechanical and production engineering	92.4%

#	Controlled term	2013	2014	2015	2016	2017	2018	Articles
1	nanofabrication	188	196	188	183	296	203	2466
2	organic compounds	156	174	168	135	193	131	2364
3	nanoparticles	106	133	124	107	175	118	2227
4	catalysis	58	81	87	81	133	103	2645
5	photoluminescence	80	86	97	73	111	62	1747

#	Controlled term	Articles	Global rank (Rank applicable from 2013 - 2018)
1	nanofabrication	1254	4 of 7046
2	organic compounds	957	2 of 8203
3	X-ray diffraction	913	11 of 7360
4	nanoparticles	763	4 of 7163
5	scanning electron microscopy	762	16 of 7472
6	catalysis	543	8 of 5036
7	photoluminescence	509	1 of 4260
8	nanocomposites	490	14 of 5426
9	electrochemical electrodes	480	11 of 4686
10	transmission electron microscopy	459	11 of 5529

	Collaborations
of Sciences	325
	266
Chinese Academy of Sciences	234
	190
	132
	127

5	Northeast Normal University Changchun, China Academic	190
6	Jilin Normal University Siping, China Academic	132
7	Harbin Institute of Technology Harbin, China Academic	127

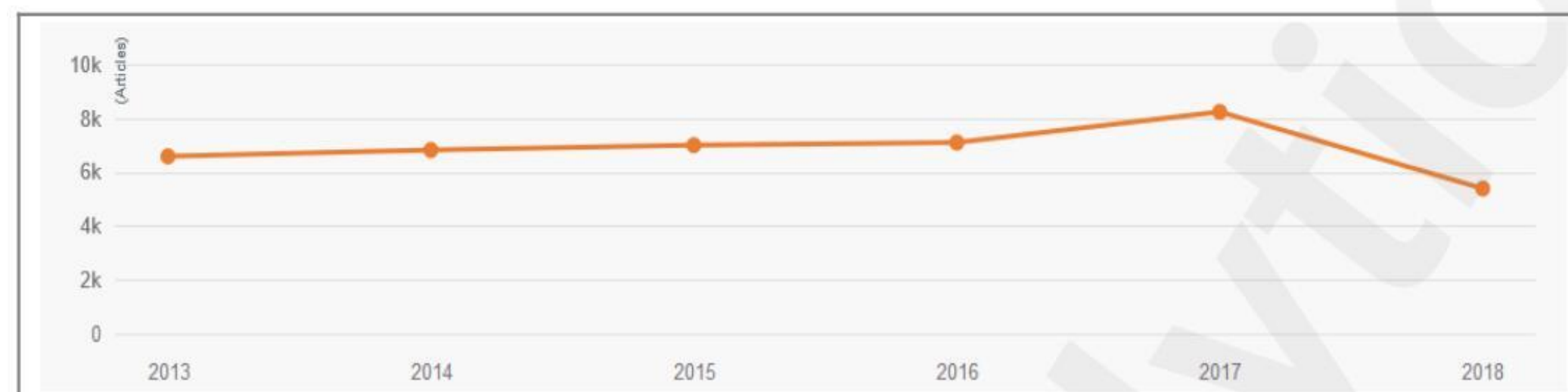
photoluminescence

[view online](#)

Total uses of this Concept - 41126

Report generated from year 2013 to 2018

Controlled term over time



Co-occurring concepts

#	Controlled terms	Articles
1	X-ray diffraction	13417
2	nanofabrication	11587
3	wide band gap semiconductors	9531
4	visible spectra	8838
5	ultraviolet spectra	8785
6	semiconductor growth	7830
7	zinc compounds	7686
8	II-VI semiconductors	7607
9	scanning electron microscopy	7119
10	nanoparticles	6409
11	phosphors	5656
12	transmission electron microscopy	5570
13	III-V semiconductors	4758
14	energy gap	4397
15	nanostructured materials	4093

Top organisations

#	Organisations	Articles
1	Jilin University Changchun, China Academic	509
2	Council of Scientific and Industrial Research New Delhi, India Academic	415
3	Nacional'na akademiya nauk Ukraini Kiiv, Ukraine Academic	368
4	Tohoku Daigaku Sendai, Japan Academic	316
5	Fiziko-tehnicheskij institut imeni A F Ioffe Sankt Peterburg, Russia Academic	301
6	Rossijskaja akademiya nauk Moskva, Russia Academic	296

#	Subject classifications	Articles
1	A7000 - Condensed matter: electronic structure, electrical, magnetic, and optical properties	37213
2	A7800 - Optical properties and condensed matter spectroscopy and other interactions of matter with particles and radiation	36969
3	A7855 - Photoluminescence (condensed matter)	36006
4	A6000 - Condensed matter: structure, thermal and mechanical properties	29806
5	A8000 - Cross-disciplinary physics and related areas of science and technology	29735
6	A8100 - Materials science	25640
7	A6100 - Structure of liquids and solids; crystallography	23807
8	A7855H - Photoluminescence in other inorganic materials	18224
9	A7865 - Optical properties of thin films, low-dimensional and nanoscale structures	16971
10	A6800 - Surfaces and interfaces; thin films and whiskers	13499
11	B4000 - Optical materials and applications, electro-optics and optoelectronics	13495
12	B4200 - Optoelectronic materials and devices	12422
13	B2000 - Components, electron devices and materials	12131
14	B2500 - Semiconductor materials and technology	11945
15	A8116 - Methods of nanofabrication and processing	11891

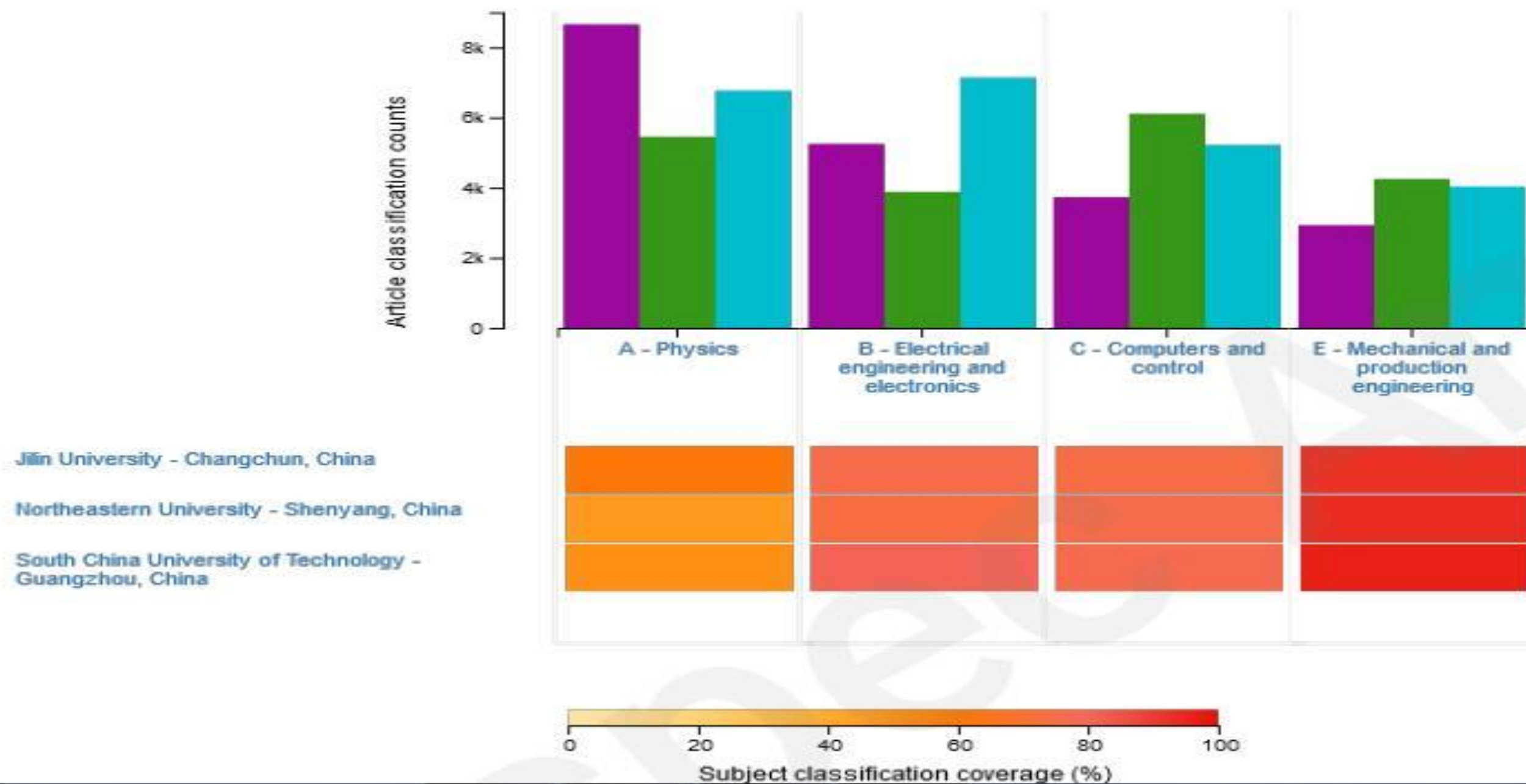
Compare organisations [view online](#)

Report generated from year 2013 to 2018

Subject Classification

■ Jilin University - Changchun, China
 ■ Northeastern University - Shenyang, China
 ■ South China University of Technology - Guangzhou, China

(Showing 4 Classification codes)



#	Organisation	Articles	Inspec Classification Counts							
			A - Physics		B - Electrical engineering and electronics		C - Computers and control		E - Mechanical and production engineering	
			Count	Coverage	Count	Coverage	Count	Coverage	Count	Coverage
1	Jilin University, Changchun, China	13996	8656	62%	5252	76.5%	3732	75.1%	2930	92.4%
2	Northeastern University, Shenyang, China	13903	5457	46.8%	3880	74.2%	6102	76.3%	4244	93.7%
3	South China University of Technology, Guangzhou, China	16007	6765	51%	7141	81.1%	5216	77.4%	4028	96.2%

敬请期待引文分析功能

Name	City	Country	Times Cited
Max-Planck-Gesellschaft zur Forderung der Wissenschaften	Munchen	DE	112472
Tsinghua University	Beijing	CN	68668
Massachusetts Institute of Technology	Cambridge	US	68533
California Institute of Technology	Pasadena	US	67367
Hermann von Helmholtz-Gemeinschaft Deutscher Forschungszentren	Bonn	DE	64492
University of California Berkeley	Berkeley	US	61943
Tokyo Daigaku	Bunkyo-ku	JP	58058
University of Cambridge	Cambridge	GB	56280
University of Oxford	Oxford	GB	49014
Stanford University	Stanford	US	47458
Princeton University	Princeton	US	45350
University of Michigan	Ann Arbor	US	43964
Istituto Nazionale di Fisica Nucleare	Frascati	IT	42902
University of Maryland at College Park	College Park	US	42866
NASA	Washington	US	42782
Eidgenossische Technische Hochschule Zurich	Zurich	CH	42746
Peking University	Beijing	CN	42220
Imperial College London	London	GB	41323
CEA	Paris	FR	40900
University of Science and Technology of China	Hefei	CN	40228

Questions?

Inspec Analytics makes it easy to compare an organisation to its peers, or global trends

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