

Inspec on EV2



December 2015

http://www.iee.org/inspec



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1. Inspec 数据库简介

1.1 关于我们:

Inspec 是目前全球在物理和工程领域中最全面的二次文献数据库之一,它的前身是"科学文摘" (Science Abstract or SA,始于1898年)。它提供涵盖包括:

- 物理科学
- 电子电机工程学
- 计算机与控制工程学
- 信息技术
- 生产与和制造工程学

等专业的科学技术文献检索、并且对涉及光学技术、材料科学、海洋学、核能工程、交通运输、 地理、生物医学工程,生物物理学和航天航空等领域也有很广泛的覆盖。是理工科学校最受欢 迎的文献数据库之一.

其数据来源于全世界上 80 多个国家的 4,000 多种科学与技术期刊、2,000 种会议录以及大量的 著作、报告和论文。Inspec 的所有文献都含有目录和摘要,数据并以每周的速度更新。从 1969 年至今,Inspec 数据库含有近 820 万条文献,并且以每年 40 万条新文献的速度增加。

Inspec 除了以它广而深的学科覆盖,准确的目录标引广受使用者欢迎外,还以专业而完善的 主题索引机制而著称。其中包括:

- 自由词/重要概念索引
- Inspec 叙词表中的控制词索引
- Inspec 分类系统的分类代码索引
- 处理代码索引
- 化学物质控制词索引
- 航空航天对象索引

所有这些为广大科学研究人员提供了高效、易用与准确的检索途径。

於 2004 年, Inspec 將早期收录自 1898 年至 1968 年的整个紙本科学文摘数字化。这些 XML 档 案包括 85 万条的文献纪录,它包含了所有原始的索引並且加上现代的改进。另外, Inspec 收录 1 百萬條含有 DOI 的文献,能夠被鏈接的文章將達 60%。新增之 Section E 提供生產与制造工程 学文献,使 Inspec 数据库更豐富。

End

1.2 樣本文獻:

(Ei) Engineering Village 2

(E) Engineering V	illage 2	Search History Selected Records My Profile My Alerts
••••	-NEW-	
	Easy Sea	ch Quick Search Expert Search Thesaurus eBook Search Ask an Expert
Search Results New Se	arch	Previous Page Next
Abstract Detailed Reco	rd Full-text	E-Mail Print Download Save
Record 4 from Inspec for:((nand	technolog*) WN All fields), 1969-2005	
Check record to add to Selected	Records	
4. Accession nu	mber: 8335869	
	Title: On the tribology and micro-drilling performance	of TiN/AIN nanolayer coatings
Au	thors: Yao, S.H.; Kao, W.H.; Su, Y.L.; Liu, T.H.	
First author affi	iation: Dept. of Accounting & Inf. Syst., Chang Jung Chris	ian Univ., Tainan, Taiwan;
Seria	al title: Materials Science & Engineering A (Structural Mat	rials: Properties, Microstructure and Processing)
Abbreviated seri	al title: Mater. Sci. Eng. A, Struct. Mater., Prop. Microstruct.	Process. (Switzerland)
Ve	blume: A386	
	Issue: 1-2	
Publication	a date: 25 Nov. 2004	
F	Pages: 149-55	
Lang	juage: English	
	ISSN: 0921-5093	
с	ODEN: MSAPE3	
Documen	t type: Journal article (JA)	
Pub	lisher: Elsevier	
Country of public	cation: Switzerland	
Material Identity Nu	mber: <u>M711-2004-024</u>	
Abstract:	In this study, the TIN/AIN nanolayer coatings were prepare basis of a newly developed technology - the high-rate real system and a balanced magnetron sputtering system. Th controlling the deposition conditions, a group of TiN/AIN n investigate the influence of periods of the nanolayer coatin a field test was conducted to approve the feasibility of app results revealed that through controlling of the deposition nm were obtained. At periods	d using a new sputtering setup, which was designed and manufactured on the tive sputtering process. This setup featured an unbalanced magnetron sputtering former was employed to deposit the AIN film, and the latter the TiN film. Through anolayer coatings with various periods was obtained. The aim of this study was to gs on their fundamental mechanical properties and wear behavior first. And then, lying the nanolayer coatings on micro-drills for circuit board hole-drilling. The parameters, the TIN/AIN nanolayer coatings with periods ranging from 2.4 to 67.6
Number of references:	23	
Inspec controlled terms:	adhesion aluminium compounds drilling hardness nanostructu coatings	red materials nanotechnology sputter deposition titanium compounds wear resistant
Uncontrolled terms:	tribology microdrilling TiN-AIN nanolayer coatings reactive sput field test circuit board hole drilling hardness adhesion 2.4 to 6	(ering magnetron sputtering AIN film deposition TiN film mechanical properties wear 7.6 nm TIN-AIN
Inspec classification codes:	A6860 Physical properties of thin films, nonelectronic A81 solid surfaces and interfaces A6220P Tribology A8140N F cracks A6146 Structure of solid clusters, nanoparticles, a growth, structure, and epitaxy <u>A8116 B0540</u> Ceramics an E1520A Machining E1520N Surface treatment and coating	<u>10P</u> Friction, lubrication, and wear <u>A6825</u> Mechanical and acoustical properties of atigue, embrittlement, and fracture <u>A6220M</u> Fatigue, brittleness, fracture, and 1d nanostructured materials <u>A8115C</u> Deposition by sputtering <u>A6855</u> Thin film 1 refractories (engineering materials science) <u>B0520B</u> Sputter deposition <u>E2140</u> echniques <u>E1710</u> Engineering materials
Numerical data indexing:	size 2.4E-09 to 6.76E-08 m	
Chemical indexing:	TiNAIN/sur Al/sur Ti/sur N/sur TiNAIN/ss Al/ss Ti/ss N/ss	
Treatment:	Experimental (EXP)	
Discipline:	Physics (A); Electrical/Electronic engineering (B); Manufac	luring and production engineering (E)
DOI:	10.1016/j.msea.2004.07.009	
Database:	Inspec	
	Copyright 2005, IEE	
Full-text and Local Holdings	Links	

Full-text

■ Inspec®

2. Inspec 在 EV2 的平台上:

- 自 1898 的数据 8.5 百万条文献
- 数据每周更新
- 容易检索、快速检索和高级检索介面
- 网上叙词表 (Inspec Thesaurus)
- 可浏览的网上索引
- 选择检索字段和限制
- •同一平台可同時检索 CPX , Inspec & NTIS 数据库

3. Inspec 提供的检索字段:



4. EV2 的检索介面:

Inspec 在 Engineering Village 2 (EV2) 的平台上,它主要提供四种方式检索介面,包括容易 检索 (Easy Search)、快速检索 (Quick Search)、高级检索 (Expert Search) 和叙词表检索 (Thesaurus)。

4.1 <u>容易检索 (Easy Search)</u>

容易检索 (Easy Search)是为简单的关键词检索而设计。把检索词输入唯一的一个检索框里,系统会检索該单位在 EV2 上所购买所有的数据库,包括 Compendex & Inspec.



用戶手冊



4.2 <u>快速检索 (Quick Search)</u>

快速检索 (Quick Search) 能够进行直接快速的检索,其界面允许用户从一个下拉式菜单中选择要检索的各个字段。



4.3 <u>高级检索 (Expert Search)</u>

高级检索 (Expert Search) 提供更强大而灵活的功能,与快速检索相比,用户可使用更复杂的布尔 (Boolean)逻辑,该检索方式包含更多的检索选项。

	Eas	y Search Quick Search Exper	t Search T	hesaurus eBook Search	Ask an Expert He
LECT DATABASE	Inspec				Browse Indexes Author Author affiliation
ARCH FROM ○ 1969 ▼ T0 2005 ▼ ○ 1 ▼ Updates ? Search Codes ?	SORT BY • Releva Search	在高级检索(Ex 使用"wn"语法 例如要检索一个 入姓、逗号和空 首字母及后缀(加入wn AU语法	pert Se 可检索 作者的 格,然后 如果有质 。	arch)界面, 下列字段。 姓名时,先输 输入名字的 后缀),然后	Controlled term Language Serial title Publisher Treatment type Document type Discipline
C Compendex I Inspec	Codo	Field	Codo	Field	Codo
All fields (C, I)	All	CODEN (C. I)	CN CN	Ei main heading (C)	MH
Abstract (C, I)	AB	Conference code (C)	сс	Material identity number (1)	MI
Accession number (C, I)	AN	Conference information (C, I)	CF	Numerical indexing (I)	N
Astronomical indexing (I)	AI	Controlled term (C, I)	CV	Publisher (C, I)	PN
Author (C, I)	AU	Discipline (I)	DI	Serial title (C, I)	ST
Author affiliation (C, I)	AF	Document type (C, I)	DT	Subject/Title/Abstract (C, I)	кy
Chemical indexing (I)	CI	ISBN (C, I)	BN	Title (C, I)	ті
Classification code (C, I)	CL	ISSN (C, I)	SN	Treatment type (C, I)	TR
Oviginal algosification gods (b)	OC.	Language (C. I)	LA	Uncontrolled term (C, I)	FL

4.4 <u>叙词表检索 (Thesaurus)</u>

叙词表检索 (Thesaurus) 是为查寻 Inspec 数据库中的受控词而设。Inspec 叙词表中的词/词 组是树狀结构,由引入词,上步词,下步词, 頂級词,相关词,相关分类代词,引入日期等组成。





Eame	norsh Dutick Course Funger Course Thesaurus eBook Search Ask an Expert Help
SELECT DATABASE ○ Compendex	<mark>长的控制词。控制词将</mark> 建检索箱子里。 searcn ◯ExactTerm ◯Browse ? <mark>Submit</mark>
Search: nanotechnology >> nanotechnology nanotechnology Select) Used for: nanobridges, superconducting nanofabrication nanostructure fabrication Related Terms atomic force microscopy fullerene devices integrated circuit technologies integrated circu	- 点击
LIMIT BY All document types All document types All treatment types All disciplines Alll	BOX COMBINE SEARCH WITH hnology ▲ ND ● OR SORT BY ● Relevance ● Publication year ▼ Search Reset Remove

5. 检索基础技术 (Basic Search Techniques)

布尔逻辑符(Boolean operators)

检索框中的词可用布尔逻辑符AND、OR和NOT连接起来,进行联合检索。

OR:为了放宽检索条件或检索有不同拼写方法的同一个词,可以用布尔逻辑符 OR 将词连接起来 (可得到包含这些词中任何一个的检索结果)。例如:输入:Television or radio,将检索出 有关"电视机或收音机"的文章,

AND: 为了缩小检索范围,可以用布尔逻辑符 AND 将词连接起来(得到只有包含所有这些词的检索结果)。例如:输入 Television and radio,将检索出有关"电视机和收音机"的文章,

NOT: 可以用布尔逻辑符NOT删除包含某些词的检索结果。

例如:输入:Fission not Reactor*。将检索出有关"Fission"的文章,但不包含 "Reactor"(or reactors)。

NEAR 或 onear :检索某些词出現在同一句子里。

例如:输入 computer near network 可找到有关 computer 和 network 出現在同一句子里。如 果要设定次序上的规限,输入 computer near/2 networks 可得到 computer communication networks, networks of computer servers 等。

截词(Truncation)

星号(*)为右截词符:截词命令检索到以截词符为止的前几个字母相同的所有词: 例如:输入comput* 得到 computer, computerized, computation, computational, computability 等。(为了避免出现意想不到的结果,请用户使用截词符时一定要注意。)

问?:代表1个字母。如输入 organi? ation 可得到 organisation, organization 等。

取词根 (Stemming)

取词根功能将检索以所输入词的词根为基础的所有派生词。 在高级检索(Expert Search)中取词根所用的操作符为\$,例如:输入\$management,返回结果为:managing, managed, manager, manage, managers 等。

大小写 (Case sensitivity)

Engineering Village 2的界面不区分大小写,所输入的单词可以是大写也可以是小写。

6. Inspec 主題字段(Subject Indexes)检索

6.1 <u>自由语言检索 (Free Language Searching)</u>

在 Inspec 数据库里,标题(Title)、摘要(Abstract)、非控制词(Uncontrolled Terms)为 自由词字段。但在 EV2 检索平台上的容易检索 (Easy Search)或者于快速检索(Quick Search) 使用 All fields 检索框,系統会自动在标题(Title)、摘要(Abstract)、非控制词 (Uncontrolled Terms)、控制词 (Controlled Term)和分类代码 (Classification Code)字 段和其它相关的目录字段内检索。

使用截词符(*)是自由詞检索的一个最重要检索技术之一,详细的解释请看第9-10页。

检索例子:寻找有关光纤(Fiber optics)的文献。

检索方法:于容易检索 (Easy Search) 输入检索词或 快速检索 (Quick Search)介面的 All field 检索框输入检索词,系統会自动在标题(Title)、摘要(Abstract)、非控制词 (Uncontrolled Terms)、控制词 (Controlled Term)和分类代码 (Classification Code) 字 段和其它相关的目录字段內检索。(注意"fiber"有另外拼写形式,且別忘记在"optics"后用截 词符)。

容易检索 (Easy Search)

E Engineering Village 2	Easy Search	Quick Search Expert Search	Thesaurus eBook Search Ask an Ex	pe
	(Fiber or fibre) and Optic*	Search	?Help	

注意:于容易检索 (Easy Search) 介面里 ,如要在所得的结果內再進行二次检索 ,可于 "Refine Search" 內输入检索词 ,並选择 "Within results" 。但如要重新检索新的词或词組 ,可选择" All content" 。在查寻结果屏幕的右边,一些與你检索结果相关的词或词組被提取出來,你可參考或点击任何这些词或词組來進行再次检索或修改你的检索式。

■ Inspec®

用戶手冊

BETA Easy Search Quick Search Expert Search Thesaurus et	Book Search Ask an Expert
Refine Search Within results V Search	Next Page 🕨 1-25
Results Manager Within results Select all on page Select range: to It content It content Choose format: Citation Abstract Detailed record Clear selected records on new search View Selections E-Mail Print Download Search Results	Refine Results Author Dianov, E. M. (631) Nakazawa, M. (383) Jackson, D. A. (373)
129280 records found in Compendex & Inspec Save Search Create Alert	Bennion, I. (355)
Sort by: V Relevance Date Author Source Publisher	<u>Claus, R. O.</u> (347)
Remove duplicate records from the first 500 results from: O Compendex O Inspec Remove Duplicates	Culshaw, B. (299)
1. Semiconductor lasers and fibre lasers for fiber-optic telecommunications <u>Vahala, K.J.</u> (California Inst. of Technol., Pasadena, CA, USA); <u>Namkyoo Park</u> ; <u>Dawson, J</u> ; <u>Newkirk, M</u> ; <u>Sanders, S</u> . Source: Fiber and Integrated Optics, v 11, n 3, 1992, p 221-34 Database: Inspec Abstract L Detailed Record	<u>Orattan, K. T. V.</u> (287) <u>Jones, J. D. C.</u> (271) <u>Taylor, J. R.</u> (264)
2. Structural design of fiber organizer for aerial optical fibre cable joint closure <u>Kobayashi, H.</u> (Electr. Commun. Labs., NTT, Ibaraki, Japan), <u>Harada, S.; Shimizu, M.</u> Source: <i>Transactions of the Institute of Electronics, Information and Communication Engineers B</i> , v J70B, n 10, Oct. 1987, p 1149-56 Language: Japanese Database: Inspec <u>Abstract</u> <u>Detailed Record</u>	Controlled Vocabulary Optical Fibres (31078) Fibre Optic Sensors (16486) Optical Communication Equipm
 Optimization of fibre coating properties for fiber optic smart structures Hadijprocoplou, M. (Dept. of Electron. & Electr. Eng., Surrey Univ., Guildford, UK;); Reed, G.T.; Hollaway, L.; Thorne, A.M. Source: Smart Materials and Structures, v 5, n 4, Aug. 1996, p 441-8 Database: Inspec Abstract Detailed Record Full-text 	Optical Fibre Communication (* Optical Links (11496) Optical Fibre Networks (1143; Optical Fibre Dispersion (*245

快速检索 (Quick Search)

Easy Search Quick Search Expert Search Thesau	irus eBook Search Ask an Expert
SELECT DATABASE All Compendex Inspec SEARCH FOR SEARCH IN fiber or fibre All fields AND optic* All fields AND Optic* All fields Imit BY Sort BY All document types All treatment types Or 1969 To 2005 Search Reset Image of the sector	Browse Indexes 3

6.2 控制词 (Controlled Term)

控制词是择自 Inspec 叙词表用來表达或描述文章的主要概念的关键词或词组。在 Inspec 叙词 表里的控制词,它们的标点符号、拼写和专有名词都被规范化。

6.2.1 用控制词作检索主要好处:

- 用标准化的词或词组可帮助我们省略去写出在拼写,标点符号和专业名词的字种形成, 或避免因漏写这些变化而得不到齐全的结果。
- 2. 增加记录相关性:濾去些与主題不相关的文献。
- 3. 可获取更多的,相关的文献,但用自由词检索而漏掉的文献。如 Internet 会获取用自 由词: www, world wide web; web site; Network…等词或词组所出的結果。

检索例子1: 查寻有关电梯技術 "lifts" 的文章。

答案: a. 于容易检索 (Easy Search) 输入检索词或快速检索 (Quick Search)介面的 All field 检索框,先查寻有关 lift 的文章,別忘记" lift"(英國的用法)的同义词 "elevator"(美国的用法),并且別忘记在 "lift"和 "elevator"后用截词符 "*"。

	Easy Search Quick Search Expert Search Thesaurus	eBook Search Ask an Expert Help
SELECT DATABASE	_	Browse Indexes (?)
All Compendex	✓ Inspec	Author
SEARCH FOR	SEARCH IN	Author affiliation
lift*	All fields 🔽 🕐	Controlledterm
OR 🔽 elevator*	All fields	Serialtitle
	All fields	Publisher
LIMIT BY	SORT BY	
All document types 🛛 💙 🕄	Relevance OPublication year	
All treatment types 💟 ?	Autostemming off ?	
All disciplines	v 2	
All languages 💟		
 1969 V то 2005 V 	Search Reset	
O 1 Vupdates 🕄		

b. 查寻"lifts"是否在叙词表(Inspec Thesaurus)中列为叙词。

Compendex	Inspec	2	ENTER TERM	QUICK Search E	xpercsearch	mesau	nus lebook se	arch Askan expert	ne
C compension	O mopee	Ŭ	 Search 	O Exact Term	O Browse	8	Submit		
Search: <u>lifts</u> >>	lifts								
lifts 🗹 (Selec	2t) 🚺								
Used for: ele	/ators								
Top Terms: aut	omation 📃	(Select)							
<u>Broader Terms</u>		Select		Rela	ted Terms		Select		
lifting equipment				cabi	leway system:	S			
				com	veyors				
				tran	sportation				

由以上可以得出,lift是一个叙词表里的叙词,將它輸入控制词检索框內,得出"lifts"和 "Elevator" 的所有相关文章:



S	Sea	earch History 🔞							
	No.	Туре	Search	Autostem	Sort	Results	Year(s)	Database	E-mail /
	1. 2.	Quick Thesaurus	(((lift*) WN All fields) OR ((elevator*) WN All fields)) (((lifts)) WN CV)	On	▼Relevance ▼Relevance	16527 1029	1969-2005 1969-2005	Inspec Inspec	
	Clo	ear Search Hi	story						

注意:相比以上结果,我们能看到使用控制词检索,可避免拼写或专业名词上的问题,使检索到的结果更准确和完全。

检索例子 2: 查寻有关 nanoparticles 的文章。

答案: a. 于容易检索 (Easy Search) 输入检索词或快速检索 (Quick Search)介面的 All field 检索框,先查寻有关 nanoparticles 的文章,別忘记在 "nanoparticle" 后 用截词符 "*"。

	Easy Search Quick Search Expert Search Thesaurus eBook S	Search Askan Expert Hel
SELECT DATABASE		Browse Indexes ? Author Author affiliation
AND V	All fields	Controlledterm Serialtitle Publisher
LIMIT BY All document types ? All treatment types ? All disciplines	SORT BY Relevance OPublication year Autostemming off	
All languages	Search Reset	

b. 查寻"nanoparticles"是否在叙词表(Inspec Thesaurus)中列为叙词。

	Easy Search	Quick Search Ex	pert Search	Thesaurus	eBook Search Askan E	pert Help
SELECT DATABASE O Compendex O Inspec	ENTER TERM nanopa Search	articles O Exact Term	O Browse	? Sut	mit	
Search: nanoparticles >> nanoparticles nanoparticles (Select) Used for: nanopowders Prior Terms: nanostructured materials Top Terms: materials Isoader Terms Select proder Terms Select	Select)	Relati	ed Terms		Select	
		meta nano partic	l clusters composites le size			
All document types ? All treatment types ?	nanoparticles			je se	O AND O OR SORT BY	
All disciplines					Relevance O Publi Search Reset	cation year

由以上可以得出,nanoparticles 是一个叙词表里的叙词,將它輸入控制词检索框內,得出結果如下:



Se	earch History 🔞							
No.	Туре	Search	Autostem	Sort	Results	Year(s)	Database	E-mail Al
1. 2.	Quick Thesaurus	((nanoparticle*) WN All fields) (((nanoparticles)) WN CV)	On	▼Relevance ▼Relevance	14376 7582	1969-2005 1969-2005	Inspec Inspec	
Cl	ear Search Histo	y						

注意:相比以上结果,我们能看到使用控制词检索,可以濾去些与主題不相关的文献,增加结果的相关性。

检索例子 3: 查寻有关 Internet 的文章。

答案: a. 由于 Internet 有不同词或词组的表达形式,因此在容易检索 (Easy Search))输入检索词或快速检索 (Quick Search)介面的 All field 检索框,查寻有关 Internet 的文章時,別忘记 "Internet"的表达形式,如"www"、"world wide web","web site"。

	Teasy Search Quick Search Expert Search Thesaurus e	Book Search Ask an Expert Help
SELECT DATABASE All Compendex SEARCH FOR internet OR V www or world wide w OR V web site	SEARCH III All fields ? All fields ? All fields ?	Browse Indexes 2 Author Author affiliation Controlledterm Serialtitle Publisher
LIMIT BY All document types V All treatment types V All disciplines All languages V O 1969 V TO 2005 V O 1 V Updates ?	SORT BY Relevance Publication year Autostemming off ? Search Reset	

b. 查寻"internet"是否在叙词表(Inspec Thesaurus)中列为控制词或叙词。

	7	Easy Search	Quick Search E	pert Search	Thesa	urus eBook Search Ask an
ELECT DATABAS	E x 💿 Inspec 😮	ENTER TERM Internet				
		🔿 Search	⊙ Exact Term	O Browse	8	Submit
Exact Term:	nternet >> Internet					
Internet	🗌 (Select) 🚺					
Used for:	Usenet Web servers World Wide Web					
Prior Terms:	internetworking (Select) wide area networks (Select)	lect)				
Top Terms:	computer applications (digital systems (select) distributed processing (information management ((Select) (Select) (Select)				
	networks (circuits)	ect)				

s	Search History 🔞								
N	lo.	Туре	Search	Autostem	Sort	Results	Year(s)	Database	E-mail A
1		Quick	(((internet) WN All fields) OR ((www.or.world.wide.web) WN All fields)) OR ((web.site.) WN All fields))	On	▼Relevance	94233	1969-2005	Inspec	
2	2.	Thesaurus	(((Internet)) WN CV)		▼Relevance	63421	1969-2005	Inspec	
4	Clear Search History								

注意:使用控制词检索,可帮助检索到更相关的文献。

6.2.2 怎样查寻相关的控制词?

检索方法1: 通过试验查寻相关的控制词。

NUMBER OF REFERENCES.	12
Inspec controlled terms:	elemental semiconductors gels heat treatment nanoparticles nanotechnology optical materials oxidation photoluminescence radiative lifetimes semiconductor growth silicon sol-gel processing tracers
Uncontrolled terms:	taser grown silicon nanoparticles photoluminescence light emitting silicon nanocrystals optoelectronic devices Si nanopowders room temperature optical emission intensity CO/sub 2/ laser pyrolysis heat treatment surface oxidation spectral dependence crystalline structure nanopowders biocompatibility PL emission tracers in-vivo applications decay time mean life time 10 to 15 nm 293 to 298 K Si
Inspec classification codes:	<u>A7855C</u> Photoluminescence in elemental semiconductors <u>A6146</u> Structure of solid clusters, nanoparticles, and nanostructured materials <u>A8140C</u> Other heat and thermomechanical treatments <u>A8160C</u> Surface treatment and degradation in semiconductor technology <u>A4270</u> Optical materials <u>A8116 A8270C</u> Gels and sols <u>B4220</u> Luminescent materials <u>B4110</u> Optical materials <u>B2550C</u> Elemental semiconductors <u>B2550N</u> Nanometre-scale semiconductor fabrication technology <u>B2550E</u> Surface treatment (semiconductor technology)

检索方法 2: 查寻网上叙词表

- 輸入检索词, 浏览提示结果。
- 浏览上步词,下步词,顶级词,相关词。

		Easy Search Quick Search Expert Search Thesaurus eBook Search Ask an Expert	Help
SELECT DATABASE	💿 Inspec 😮	ENTER TERM nanotechnology	
		Search O Exact Term O Browse ? Submit	

如果点击位于右側的⑦符,可以看到"nanotechnology"在1993年1月被引入到Inspec 叙词表。

	Easy Search Quick Search	Expert Search The	saurus eBook Search Ask an Expert Help
Search: nanotechnology >> nanot nanotechnology (Select) Used for: nanobridges, supercond nanotriceling	ENTER TERM nanotechnology Search Exact Term technology fucting	Browse ?	Scope notes - Microsoft Interne Close nanotechnology Introduced: January 1993 Related classification codes: A0779: Scanning probe microscopy and related techniques; A6118P: Scanning probe microscopy determinations of benchication codes: A0779: Scanning probe microscopy and related techniques; A6118P: Scanning probe microscopy determinations of benchication codes: A0779: Scanning probe microscopy and related techniques; A6118P: Scanning probe microscopy determinations of benchication codes: A0779: Scanning probe microscopy and related techniques; A6118P: Scanning probe microscopy determinations of benchication codes: A0779: Scanning probe microscopy and related techniques; A6118P: Scanning probe microscopy determinations of benchication codes: A0779: Scanning probe microscopy and related techniques; A6118P: Scanning probe microscopy determinations of benchication codes: A0779: Scanning probe microscopy and related techniques; A6118P: Scanning probe microscopy and related techniques;
nanostructure fabricatio. Related Terms atomic force microscopy fullerene devices integrated circuit technology lithography	n <u>Select</u> <u>II</u>	arrower Terms anocontacts anoelectronics anolithography anopositioning	Corrosion, voldation, etc. bind sublace structure, worko. Corrosion, voldation, etc. bind, and other surface treatments; B2550Nt Nanometre-scale semiconductor fabrication technology; B2570: Semiconductor integrated circuits; B25757: Fabrication of micromechanical devices; E1520P: Nanofabrication; E3644T: Nanotechnology industry
micromechanical devices nanostructured materials nanotube devices scanning tunnelling microscopy single electron transistors VLSI			

检索方法 3: 于容易检索 (Easy Search) 介面里,通过所得的结果,于屏幕的右边, 查寻相关的控制词。可是在此介面里並不能查寻上步词,下步词,顶级词,相关词。



6.3 <u>分类代码(Classification Code)</u>

Inspec 分类代码是一个很强大的检索工具,可将检索范围限定在特定的研究领域。 Insepc 分类表分为五大学科如下:

A=Physics

B=Electrical Engineering and Electronics

C=Computers and Control Engineering

D=Information Technology

E=Manufacturing and Production Engineering

分类代码用单一字符与其后的 4 位阿拉伯数字表明分类的级别。字符(A、B、C、D 或 E)表示学 科领域,第一位阿拉伯数字表示范围最大的第一级,第二位阿拉伯数字表示第二级,依此类推 到第四级。下列为一个典型的 Inspec 分类项:

- B Electrical & Electronic Engineering
- B7000 Instrumentation and special applications
- B7600 Aerospace facilities and techniques
- B7650 Ground support systems
- B7650A Avionics

每一条资料至少会有一个主要的分类号及从属的副分类号。这些分类号是依文献的主题而订的,有时可能会跨不同类别。

分类代码的主要好处是用來改进查寻相关性和寻找一些非常具体类型的詞/詞組。

检索例子1:查寻有关 Information retrieval 的文章。

答案: a. 于容易检索 (Easy Search) 输入检索词或快速检索 (Quick Search)介面的 All field 检索框,先查寻有关 Information retrieval 的文章,別忘记在 "retrieval" 后用截词符 "*"。

	Teasy Search Quick Search Expert Search Thesauru	is eBook Search Ask an Expert
SELECT DATABASE All Compendex SEARCH FOR Information retrieval* AND AND	Inspec SEARCH III All fields All fields All fields	Browse Indexes (2) Author Author affiliation Controlled term Serial title Publisher
LIMIT BY	SORT BY	
All document types 🛛 💙 🔞	Relevance OPublication year	
All treatment types 💙 ?	Autostemming off	
All disciplines	× 0	
All languages All languages	Search Reset	

b.检索 Information retrieval 相关的分类代码查寻。浏览所得結果相关的文献,在分类代码字段里找出最相关的代码,並直接点击。

Inspec classification C7250 Information storage and retrieval [C7220 Generation, dissemination, and use of information [C7100 Business and administration] codes: C7210 Information services and centres

如果我们使用分类代码去檢索,可寻找更具体类型的詞/詞組。相比以下结果,当我們结合相关的分类代码如C7250 与 Information retrieval 一起查寻,使所得結果將更加准确。

Search History 🛙

No.	Туре	Search	Autostem	Sort	Results	Year(s)	Database	E-mail /
1. 2.	Quick Quick	((Information retrieval*) WN All fields) ((C7250) WN CL)	On On	▼Relevance ▼Date	51058 19591	1969-2005 1969-2005	Inspec Inspec	
3.	Combined	(((\$Information retrieval*) WN ALL) AND (1969-2005 WN YR)) and (((C7250) WN CL) AND (1969-2005 WN YR))		▼ Relevance	15363		Inspec	
Cle	ear Search I	listory						

检索例子 2: 查寻有关 Control applications on camera 的文章。

答案: a.于容易检索 (Easy Search) 输入检索词或快速检索 (Quick Search)介面的 All field 检索框,先查寻有关 photography or camera 的文章,別忘记在 "photography"和"camera" 后用截词符"*"。

	Easy Search Quick Search Expert Search Thesauro	us eBook Search Ask an Expert
SELECT DATABASE All Compendex SEARCH FOR photograph* OR Camera* AND C LIMIT BY All document types ? All treatment types ?	Easy Search Quick Search Expert Search Thesaur Inspec SEARCH III All fields ? All fields ? All fields ? All fields ? SORT BY Relevance Publication year Autostemming off ? ? ?	IS eBook Search Ask an Expert Browse Indexes (?) Author Author affiliation Controlled term Serial title Publisher
All disciplines All languages 1969 V TO 2005 V 1 V Updates	✓ 3 Search Reset	

b. 于叙词表(Inspec Thesaurus) 介面, 搜寻 Photography, 請按 ①, 可看到一些相关的 分类代码是: A0768, A8250, C3370N。

	Easy Search Qu	ick Search Expert Search Thesaurus eBook Search Ask an Expert Help
SELECT DATABASE O Compendex O Inspec	ENTER TERM Photograp	hy
Exact Term: Photography >> photography photography [Select] Related Terms Sel cameras	ect	Exact Term Browse Submit Scope notes - Microsoft Internet Explo Close photography Introduced: January 1969 Related classification codes: A0768: Photography, photographic instruments and techniques; A8250: Photochemistry and radiation chemistry; C3370N: Control applications in photography and cinematography

因为在容易检索 (Easy Search)和快速检索 (Quick Search)介面,並沒有分类代码字段以供选用,所以我们只能在高級检索 (Expert Search)介面里使用 "CL"。然後结合相关的分类代码 如 c3370n 与 photograhpy or camera 一起查寻,使所得結果將更加准确。

	NEW C	
	Easy Search Quick Search Expert Search Thesaurus eB	ook Search Ask an Expert Help
SELECT DATABASE	Inspec	Browse Indexes (?) Author Author affiliation
C337ON WN CL	<u>∧</u> <u>∨</u> ?	<u>Controlledterm</u> <u>Language</u> <u>Serialtitle</u> Publisher
SEARCH FROM ● 1969 ▼ T0 2005 ▼ ● 1 ♥ Updates 8	SORT BY Relevance Publication year	<u>Treatment type</u> <u>Document type</u> <u>Discipline</u>
Search History 🔞	Search Reset	

ю. Туре	Search	Autostem	Sort	Results	Year(s)	Database	E-mail Alert	Save S
I. Quick	(((photograph*) WN All fields) OR ((camera*) WN All fields))	On	▼Relevance	103024	1969-2005	Inspec		Sav
2. Expert	<u>c3370n wn cl</u>		Relevance	1097	1969-2005	Inspec		Sau
3. Combined	(((photograph*) WN ALL) OR ((camera*) WN ALL)) AND (1969-2005 WN YR)) and ((c3370n WN CL) AND (1969- 2005 WN YR))		▼Relevance	847		Inspec		Sau
Clear Search I	listory						View 8	Saved S

注意:相比以上结果,我们能看到使用 Inspec Classification 可帮助检索到更相关性的结果。

检索例子 3: 查寻有关。Smart Smoke sensors的文章。

答案: 在叙词表(Thesaurus) 介面,然后查寻"Smoke Sensors"。我们看见"Smoke sensors" 不是一个优先词。通过浏览提示的叙词从中找出"Smoke detectors 跟 smoke sensors 有关。

		sy Search	Quick Search Ex	pert Search	Thesaurus	eBook Search Askan
ELECT DATABASE	Inspec 🕜	ENTER TERM Smoke	sensors			
		🔾 Search	⊙ Exact Term	O Browse	2 <u>Su</u>	<mark>ıbmit _</mark>
Exact Term: Smoke	sensors					
Your search did not f smo sma sma sma sma sma sma sma sma sma sma	find a match with the spe ike detectors ike int sensors int windows int windows int skins int int contiss int antennas int cards	lling "Smoke s	ensors". Did you	mean?		

再在叙词表(Inspec Thesaurus) 介面, 搜寻 smoke detectors, 請按 ①, 可看到一些相关的分 类代码。

用戶手冊

	Easy Sea	arch Quick Search Expert Search <mark> Thesaurus</mark> eBook Search Ask an Expert Helj	p
SE	Compendex O Inspec	Scope notes - Microsoft Internet Explorer Close	
	Os	smoke detectors	
	Exact Term: <u>Smoke sensors</u> >> <u>smoke detectors</u>	Introduced: January 2004]
	smoke detectors (Select) Prior Terms: alarm systems (Select) fires (Select) smoke (Select) Top Terms: instrumentation (Select) security (Select)	Related classification codes: B0160: Plant engineering, maintenance and safety; B7230: Sensing devices and transducers; C3370L: Control applications in remote signalling, dispatching and safety devices; D3035: Monitoring and alarm systems for business automation; E0240H: Health and safety aspects	
	Broader Terms Select alarm systems sensors		

注意:如果想結果更加准确,我們可以结合相关的分类代码如 E0240H 与 smoke detectors 一 起查寻。

_		7	Easy Searc	h Quick Sea	arch Exp	ert Search	Thesaurus el	Book Search Ask an	Expert F
	Search Results	New Search							
Se	arch Histo	ry 🛙							
No	о. Туре	Search	Autostem	Sort	Results	Year(s)	Database	E-mail Alert	Save Sea
1.	Thesaurus	(((smoke detectors)) WN CV)		▼Relevance	28	1969-2005	Inspec		Save
2.	Expert	E0240H wn CL		Relevance	695	1969-2005	Inspec		Save
З.	Combined	((((smoke detectors)) WN CV)) AND (1969-2005 WN YR))		▼Relevance	2		Inspec		Save
		AND ((20240H WIN CE) AND (1909-2005 WIN TR))							
c	Clear Search History View Saved Sear								

6.3.1 怎样查寻相关的分類代碼?

检索方法1:通过试验查寻相關的分類代碼。

Inspec controlled terms: encoding | information retrieval | information storage | liquid crystals | NMR spectroscopy | photography

Uncontrolled terms:	NMR photography information storage information retrieval NMR spectroscopy spatial encoding frequency encoding multifrequency pulse liquid crystal molecule spatial information mapping 1D spectrum 2D pattern storage magnetic field gradient
Inspec classification codes:	A0758 Magnetic resonance spectrometers, auxiliary instruments and techniques <u>A0768</u> Photography, photographic instruments and techniques <u>A3325</u> Nuclear magnetic resonance and relaxation in molecules; nuclear quadrupole resonance (NQR) <u>A7660</u> Nuclear magnetic resonance and relaxation (condensed matter)

Treatment: Theoretical (THR); Practical (PRA)

检索方法 2: 查寻网上在叙词表(Inspec Thesaurus)

• 輸入词检索词, 浏览结果。並按 🕖,可看到一些相关的分类代码。

CT DATABASE	E	ENTER TERM	Quick Search Expert Search Thesaurus eBook Search Ask an Expert
		O Search	Exact Term O Browse ? Submit
Exact Term: <u>Photography</u> >> p photography [(Select)]	hotography D Select		Scope notes - Microsoft Internet Explo 🗐 🗙
cameras colour			photography Introduced: January 1969
electrophotography holography optics			Related classification codes: A0768: Photography, photographic instruments and techniques; A8250: Photochemistry and radiation chemistry; C3370N: Control applications in photography and cinematography
photochemistry photographic applications			
photographic lenses			

检索方法 3. 于容易检索 (Easy Search) 介面里,通过所得的结果,于屏幕的右边,可直接点击相关分类代码的词或词組,然后通过试验查寻相關的分類代碼。



检索方法 4: 使用印刷版本/ 光碟查尋相關的分類代碼 (Examine Classification Codes via Print or CD Thesaurus)。

6.4 <u>处理代码(Treatment Type)</u>

处理类型(Treatment type)用于说明文献的研究方法及所探讨主题的类型。

在Inspec 数据库中可用的文件处理类型(Treatment Type)有:

- Applications 应用
- Bibliography 文献
- Economic 经济
- Experimental 实验
- General review 一般性综述
- New Developments 新进展
- Practical 应用
- Product review 产品评述
- Theoretical 理论

一个记录具有一个或更多的处理类型(Treatment Type),但不是所有的记录均赋有处理类型(Treatment Type)。

检索例子 1: 查寻关于 fullerenes 的实验性文章 (an experimental review)。

答案: 于快速检索 (Quick Search)介面的 All field 检索框输入检索词"fullerenes",并且 別忘记在 fullerene 后用截词符。並选择处理代码(Treatment Type index) - Experimental, 然后一起查寻。

SELECT DATABASE	ec	Browse Indexes ③
Fullerene* AND AND	RCH III All fields All fields All fields	Author Author affiliation Controlledterm Serialtitle Publisher
LIMIT BY All document types All treatment types All treatment types All treatment types Applications Bibliography Economic Experimental Fractical Product review	SORT BY Relevance OPublication year Autostemming off Search Reset	

检索例子 2: 查寻关于 Microcomputer 产品的新发展文章 (New Developments)。 答案: 于快速检索 (Quick Search)介面的 All field 检索框输入检索词 "fullerenes",并且 別忘记在 Microcomputer 后用截词符。並选择处理代码(Treatment Type index) - New Development。

	Easy Search Quick Search Expert Search Th	esaurus eBook Search Askan Expert Help
SELECT DATABASE	Inspec	Browse Indexes 2
microcomputer*	All fields All fields All fields	Aufter affinition Controllectorm Serialitie Publisher
All treatment types All treatment types All treatment types All treatment types Appleations Biographical Economic Experimental General review Practical	SORT BY	

注意:当我們使用处理代码检索,它能幫助您在指定的主題內進行縮窄的檢索。

6.5 非控制词 (Uncontrolled Term)

非控制词是用来描述或代表文章的关键概念,这些单词或词组是取自标题、摘要、全文或索引员的专业技术知识。但这些词的拼写、首字母缩略词、术语和标点並沒有规范化,而不一定会在 Inspec 的叙词表中。在自由词检索時,如果忽略拼写,标点符,专业名词使用等变化,结果的相关性会降低。但是,我們可使用非控制词检索來增加关键性的查寻。它在一些检索中特别有用於:

- 新概念,,缩写和全名
- 产品或公司名称
- 地名
- 化学制品 (无机化合物分子式,有机化合物名称)
- 数字数据
- 非专业或技术性词或词组

检索例子1: 查寻关于Windows XP产品的綜述性文章 (product reviews)。

答案: Windows XP 是一个流行产品名稱,最好是在非控制词字段检索。因为在快速检索 (Quick Search)介面,並沒有非控制词字段以供选用,所以我们只能在高級检索 (Expert Search)介面 里用 " FL"。我们选择处理代码(Treatment Type index) - product review,然后再结合它 与 Windows XP 查寻。

	Easy Search Quick Search Expert Search Thesaurus eBook Search	Ask an Expert Help
SELECT DATABASE		Browse Indexes
ENTER SEARCH TERMS BELOW		Author affiliation
Windows XP wn FL AND) (({PRO}) WN 🙆	Controlled term
TR)		Language
		Serial title
	🗿 Lookup Microsoft Internet Explorer 🛛 🔲 🔲 🔀	Publisher
SEARCH FROM		Treatment type
	Selected index: Treatment type	Documenttype
🔘 🚺 🚩 Updates 🕄	Select terms below to add to search	Discipline
	Connect terms with: AND OR 	
Search Codes ?		
C Compendex I Inspec		
Field	🗌 BIB - Bibliography	Code
All fields (C, I)	ECO - Economic	MH
Abstract (C, I)	EXP - Experimental	MI
Accession number (C, I)	GEN - General review	NI
Astronomical indexing (I)	NEW - New development	PN
Author (C, I)	PRA - Practical	ST
Author affiliation (C, I)	PRO - Product review	KY
Chemical indexing (I)	THR - Theoretical	ТІ
Classification code (C, I)		TR
Original classification code (I)		FL

Search History 🔞

No.	Туре	Search	Autostem	Sort	Results	Year(s)	Database	
1. 2.	Quick Expert	((Windows XP.) WN All fields), Product review only Windows XP wn FL AND (((PRO)) WN TR)	On On	▼Relevance ▼Relevance	37 24	1896-2006 1896-2006	Inspec Inspec	
CI	Clear Search History							

注意:使用非控制词來检索一些产品名称如 "Windows XP" ,可增加关键性的查寻。

非控制词的检索:

- 因为在*容易检索 (Easy Search)和快速检索 (Quick Search)*介面,並沒有检索 框來检索非控制词字段以供选用,所以我们只能在高級检索 (*Expert* Search) 介面里使用 "FL"。

6.6 <u>化学索引(Chemical indexing)</u>

化学索引(Chemical indexing)字段是为检索无机物和无机材料体系的而设的索引系统,並应用于1987后的文献。

记录中的每种重要物质均赋予3个基本分类中的一个。这三个分类是:

- element (el) (元素)
- binary (bin) (二元)
- system (ss) (体系)

某些物质可能赋有特殊的分类。它们是:

- interface system (int) 界面体系
- surface or substrate (sur) 表面或衬底
- adsorbate (ads) 被吸附物
- dopant (dop). 掺杂物

检索例子 1: 查寻关于 Cobalt (钴)与 CO (一氧化碳)有关的文献,並比较结果。

答案:如果我们要检索关于 Cobalt (钴) 的文献,因为 Cobalt 是元素,在高級检索 (Expert Search)介面里用"CI"。在检索框里输入 co/el wn CI。 當我們要检索 CO (一氧化碳) 的 文章時,因它為兩元素組成的化合物,在检索框里输入 co/bin wn CI。

	Easy Search Quick Search Expert Search Thesaurus eBook Search
SELECT DATABASE	
co/el wn CI	
SEARCH FROM 1896 V TO 2006 V 1 V Updates ?	SORT BY Relevance ? O Publication year Autostemming off ? Search Reset

Sea	rch History	1 🕜						
No.	Туре	Search	Autostem	Sort	Results	Year(s)	Database	E-mail Alert
1. 2.	Expert Expert	<u>co/el wn Cl</u> <u>co/bin wn Cl</u>	On On	▼Relevance ▼Relevance	15522 28481	1896-2006 1896-2006	Inspec Inspec	
Clear Search History								

检索例子 2: 查寻 gallium aluminum arsenide 与 light emitting diodes 有关的文献。 答案:首先需要搜寻包含 gallium aluminum arsenide 的文章,然后再结合它与 light emitting diodes 來查寻,并且別忘记用截词符在 "light emit diode" 后。

第一步:	
	Easy Search Quick Search Expert Search Thesaur
SELECT DATABASE	
All Compendex	✓ Inspec
ENTER SEARCH TERMS BELOW	
Gaalas/ss wn CI	
SEARCH FROM	SORT BY
💿 1969 💙 то 2005 💙	Relevance OPublication year
🔿 🛛 🔽 Updates 😮	
	Search Reset

第二步:	
	Easy Search Quick Search Expert Search Thesau
All Compendex	✓ Inspec
SEARCH FOR	SEARCHIN
light* emit* diode*	All fields
AND 🔽	All fields
AND 💌	All fields
LIMIT BY	SORT BY
All document types 🛛 🔽 🕄	Relevance OPublication year
All treatment types 🔽 🕄	Autostemming off
All disciplines	✓ 2
All languages 🔽	
💿 1969 💙 то 2005 💟	Search Reset
🔿 🚺 💌 Updates 😮	

Search History 🛛 🕄

No.	Туре	Search	Autostem	Sort	Results	Year(s)	Database	E-mail Alert
1. 2.	Expert Quick	<u>Gaalas/ss wn Cl</u> ((light* emit* diode*) WN All fields)	On	▼Relevance ▼Relevance	3955 17978	1969-2005 1969-2005	Inspec Inspec	
Cle	ear Search	History						<u> </u>
第	三步:							

Combine Previous Searches

EN	FER SEARCHES TO COMBINE		SORT BY				
	#1 and #2	2	💿 Relevance 🛛 Publication	year	Search	Reset	

Search History 🔞

No.	Туре	Search	Autostem	Sort	Results	Year(s)	Database	E-mail A
1. 2.	Expert Quick	<u>Gaalas/ss wn Cl</u> ((light* emit* diode*) WN All fields)	On	▼Relevance ▼Relevance	3955 17978	1969-2005 1969-2005	Inspec Inspec	
З.	Combined	((Gaalas/ss WN Cl) AND (1969-2005 WN YR)) and (((light* emit* diode*) WN ALL) AND (1969-2005 WN YR))		Relevance	110		Inspec	
Clo	ear Search I	listory						

注意:化学索引的好處是能满足相关的特殊检索需求。

其它化学检索范例

检索題目	检索方式
Co (cobalt)	{ Co/el } wn CI
CO (Carbon monoxide)	{ CO/bin } wn CI
H2SO4 (Sulfuric	{H2SO4/ss} wn CI
Acid)	
GaAlAs	{Ga/ss near Al/ss near As/ss} wn CI
B (Boron as a dopant)	{B/dop} wn CI

关于化学索引的更详细信息,请访问IEE网站: http://www.iee.org/Publish/Support/Inspec/Document/index.cfm

6.7 <u>数值索引(Numerical data indexing)</u>

数值索引(Numerical data indexing)是为检索数字/数值而设的索引,它将论文中表述的数 值标准化,並应用于1987后的文献。

数值索引由三部分组成:

量(Quantity) 值(Value) 单位(Unit) Temperature 7.0e+01 K

- 量,即温度、波长、频率等。
- 单位,即米、赫兹,开尔文等。
- 值,其范围以浮点数格式表示。如以 1.8E+04 来表示 18,000,及以 9.5E-01 表示 0.95。

检索例子 1: 使用数值索引(the numerical indexing) 來检索有关 superconductor 在 70 Kelvin 溫度的文章。

答案: 结合"temperature 7.0e+01"在数值索引节段和 superconductor 非控制词字段在 一 起检索。

		NEW			
_		Easy Search	Quick Search	Expert Search	Thesa
SELI [ECT DATABASE	Inspec			
ENT	ER SEARCH TERMS BELOW				
	"temperature 7.0e+01" wn) and "semiconductor*" wn F	NI 🔥			
SEA	PCH EDOM S	OPT BY			
) (● 1969 ♥ TO 2005 ♥ ● 1 ♥ Updates ? 	Relevance OPu	ublication year		
	-				

Search H	Search History 😰										
No. Type	Search	Autostem	Sort	Results	Year(s)	Database					
1. Expert	"temperature 7.0e+01" wn NI and "semiconductor*" wn FL		▼ Relevance	23	1969-2005	Inspec					
Clear Search History											

注意:数值索引的好處是能满足相关的特殊检索需求,使結果更加准确。

其它数值检索范例

"Power 3.5E+07 W" wn NI; "Frequency 5.0 e+01 Hz" wn NI "Time 6.0E+02S" wn NI "Temperature 3.73 e+02 k" wn NI

关于数值索引的详细信息,请访问 IEE 网站: http://www.iee.org/Publish/Support/Inspec/Document/index.cfm

7. 检索历史 (Search History)

E) Engineering Village 2						Search History Selected Records My Profile My Alerts End Se					
				NEW Eas	sy Search 🛛 Qu	ick Search Ex	pert Search T	hesaurus eB	ook Search Ask ar	n Expert He	
Se	arch Results	New Search									
Sea	rch History	?									
No.	Туре	Search	Αι	itostem	Sort	Results	Year(s)	Database	E-mail Alert	Save Sear	
1. 2.	Thesaurus Expert	(((nanotechnology) (((NEW)) WN TR)	<u>) WN CV)</u>		▼Relevance ▼Relevance	11453 125312	1969-2005 1969-2005	Inspec Inspec		Save Save	
Cle	ar Search Histo	ry							Viev	v Saved Searc	
Cor ENT Cor (#1 . (#1 .	nbine Previo ER SEARCHES TO #1 and #2 hbine Searches liste AND #2) AND #2) OR (#3 A	us Searches	SORT BY	lication year	Search	Reset					
(#1	OR #3) NOT #2 bine searches exe	ecuted in the same datab	ase only.		一 可 输 例	以合并远 Combinin 入要合注 如:#1;	t去所做的 ng Previ f的检索5 and #2。	的检索。 ous Sea 式序号,	在合并以前 rches)下沪 每个序号前	前的检索 力的编辑框 〕须加#号。	

8.保存选定的记录(Save Selected Records)

启用个人帐户功能,可以创建一个文件夹保存用户的检索结果。如果点击保存到文件夹(Save to Folder)按钮,将弹出一对话框,要求用户输入其帐号和密码。如果用户无个人帐户,可创建一个,详细操作请参考注册个人帐户(registering for a Personal Account)。

Sea	arch History	8								
No.	Туре	Search		Autostem	Sort	Results	Year(s)	Database	E-mail Aler	t Save Sea
1. 2.	Thesaurus Thesaurus	(((nanotechnology)) W (((nanostructured mate	<u>N CV)</u> erials}) WN CV)		▼Relevance ▼Relevance	11453 40097	1969-2005 1969-2005	Inspec Inspec		Save Save
Cle	ear Search Histo	ылу	Personal Account Logi	'n					¥	iew Saved Sear
Col	nbine Previe	ous Searches	You must login to your p and create E-mail Alerts	personal acco 3.	ount to save sear	ches, save r	ecords,	/		
ENT [ER SEARCHES T	COMBINE	E-mail addi Passy	ress:		1				
Co	mbined Search		1 4001	Login						
Con (#1 (#1 (#1	ibine searches list AND #2) AND #2) OR (#3 A OR #3) NOT #2	ted in the Search History AND #4)	lf you have forgotton you password.	ur password,	click <u>here</u> and we	: will send y	ou your			

Þ

如果用户已经注册了其个人帐户,并已经登陆,就可选择一个文件夹保存其检索结果,或创建 一个新的文件夹。用户最多可创建三个文件夹,每个文件夹最多可容纳50条记录。

Ei Engineering Village 2 Close
Save Records to My Folder
With your Personal Account, you can create up to three folders in which to save selected records. Each folder can contain up to 50 records. To create a new folder, please enter a folder name:

9. 创建 E-mail 专题服务(Create E-mail Alerts)

要在检索历史记录中创建E-mail专题服务,需先在Engineering Village 2网页点击导航工具条, 选择检索历史(Search History),然后在复选框中选中用户想设置为E-mail专题服务的检索式。 如果用户还未登陆到其个人帐户,系统将提示用户登陆。如果用户还未注册个人帐户,系统将 询问用户是否现在注册。详细操作请参考注册个人帐户(registering for a Personal Account)。

如果用户已经登陆到其个人帐户,也可以在已保存的检索(Saved Searches)页面设置电子邮件(E-mail)专题服务 。

			Easy	Search Quick	SearchEx	pert Search	Thesaurus	eBook Search As	k an Expert H
S	earch Results	New Search							
Se	arch History	8							
No	. Туре	Search	Autostem	Sort	Results	Year(s)	Database	E-mail Ale	t Save Sear
1.	Thesaurus	(((nanotechnology)) WN CV)		▼Relevance	11453	1969-2005	Inspec		Save
2.	Thesaurus	(((nanostructured materials)) WN CV)		▼Relevance	40097	1969-2005	Inspec		Save
CI	ear Search Histo	лу						Y	/iew Saved Searc

在每次电子邮件(E-mail)专题服务中可最多发送25条记录,如果在更新中检索到超过25条记录,在电子邮件(E-mail)专题服务中将出现一个超级连接,点击它将连接到Engineering Village 2,就可查看所检索的全部新记录。

10. 获取全文(Accessing full text)

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所得到的全文将出现在一个新的浏览窗口,如下:



Berko, A. (Inst. of Solid State & Radiochem., Hungarian Acad. of Sci., Szeged, Hungary); Krivan, E. Source: Journal of Vacuum Science & Technology B (Microelectronics and Nanometer Structures), v 15, n 1, Jan.-Feb. 1997, p 25-31 Database: Inspec

Abstract / Links | Detailed Record / Links Full-text

<Inspec via EI 全文连结>

11. 附录

英文	中文
Easy Search	容易检索
Quick Search	快速检索
Expert Search	高级检索
Title	标题
Article	摘要
Inspec Thesaurus	Inspec 叙词表
Controlled Index	控制词
Classification Code	分类代码
Treatment Code	处理代码
Chemical Indexing	化学索引
Numerical data Indexing	数值索引
Astronomical Object	天文物件索引
Author	作者
Author's affiliation	作者单位
Meeting Information	会议信息
Source Title	刊名
Document Type	文件类型
Language	语言
Publisher	出版商
Country of Publisher	出版国家
Year of Publisher	出版年份

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