



EI (Compendex 数据库) 检索方法与应用

南开大学图书馆 信息咨询部

尹 典

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Engineering Index 简介

- EI (Engineering Index, 工程引文)数据库是由Elsevier Engineering Information 公司出版，为工程类文摘数据库。
- 创刊于1884年，是全球最全面的工程技术领域的文摘类检索出版物，世界四大科技检索工具之一(EI, SCI, ISTP, ISR)。
- 收录范围：1969年至今，50余个国家，15种文字的5,600多种工程类期刊、会议论文集和技术报告的参考文献和摘要，不报道纯理论性文献和专利文献。

190个应用科学与工程类别

- ✓核技术
 - ✓生物工程
 - ✓交通运输
 - ✓化学和工艺工程
 - ✓照明和光学技术
 - ✓农业工程和食品技术
 - ✓计算机和数据处理
 - ✓应用物理
 - ✓电子和通信
 - ✓控制工程
 - ✓土木工程
 - ✓机械工程
 - ✓材料工程
 - ✓石油
 - ✓宇航
 - ✓汽车工程
 -
- 以及这些领域的子学科

EI (Compendex) 数据库

- ✓ 1884年一群立志于科研进展共享、科研成果共享的工程师创办了工程信息有限公司(EI)；
- ✓ 1100万项记录 (1969年至今) ；
- ✓ 每年新增65万项记录；
- ✓ 每周更新，增加1.25万笔新文献信息；
- ✓ 工程索引过刊：1884-1968年 (超过170万项记录)；
- ✓ 90%的文献语种是英文，1992年开始收录中国期刊



Engineering Index 简介

- EI的涉猎范围几乎遍及各个工程技术学科，在我国学术界，除被用来作为检索工具以外，在EI中被收录论文的数量还被用于作为评价科研机构或科研人员学术成就的一项客观指标。
- EI(Compendex)数据库为文摘类数据库，而非全文数据库，一般只收录文献的题录、摘要、关键词、参考文献并加上主题词、分类号等。
- Engineering information Inc. ，现隶属于Elsevier旗下。使用EI进行检索时，在文献检索记录页面上有”Full text” 选项，可以在Elsevier上获得全文。
- EI收录的论文分为两个档次，一种是《工程索引》的光盘版（ EI Compendex ），由美国工程信息公司提供，数据从2600余种国际工程期刊、科技报告和会议录中选取；另一种EI Compendex Web是《工程索引》的网络版，内容包括原来光盘版（ EI Compendex ）和后来扩展的部分（ EI PageOne ），该数据库侧重提供应用科学和工程领域的文摘索引信息。二者的区别在于是否有主题词和分类号标引。



~~EI 全文收录~~



EI 收录

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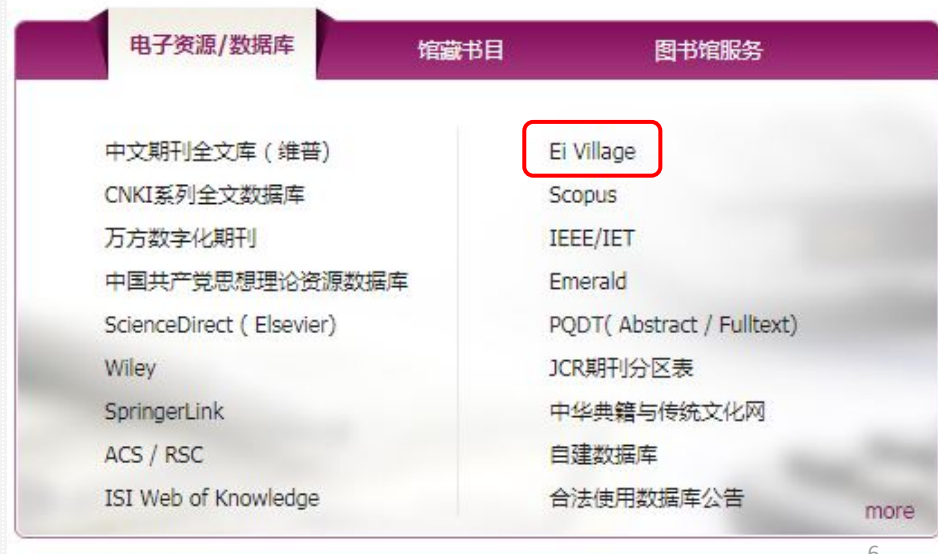
05 个性化服务



EI检索方法

进入Engineering Village数据库

- 通过图书馆网页链接



- 或通过Engineering Village 的网址
<http://www.engineeringvillage.com>

当前您查询的数据库是：**外文数据库**

数据库名称	数据库名称
Academic OneFile 学术期刊大全	ACM Digital Library
AIP Proceedings	Annual Reviews系列期刊
Archives Unbound珍惜原始典藏档	ASP世界音乐在线
Bibliomania	BIOSIS Previews
BVD-EIU CountryData-EIU各国宏	BVD-Oriana-亚太企业分析库
CELL电子期刊	Chemical Periodic Table
Conference Proceedings Citation	CRC Press 电子教材
Early English Books(EEBO)	East View俄罗斯大全俄语数据库
EconLit数据库	Ei Village
ELSEVIER电子书	EmeraldManagementXtra
EMS (欧洲数学学会) 电子期刊、	EPS数据平台
ETD Center Search	EVA Environmental Abstracts
GALE	Gale- Opposing Viewpoints
Gale-Literature Resource Center	Gallica.bnf.fr
HD高清多媒体资源服务平台	HeinOnline 法律全文数据库
Infomotions 西方文学/哲学网	IOP
IPL互联网公共图书馆	ISI-ESI



EI检索方法

- EI检索界面

Engineering Village™

Search Alerts Selected records Create account Login

Quick search: All fields for e.g. (an social media}

Search Turn off AutoSuggest | + Add search field | Reset form

Databases ^ Date v Language v Document type v Sort by v Browse indexes

Compendex

Engineering Village
About Engineering Village
Accessibility Statement
Content Available
Who uses EV?
Privacy principles

Customer Service
Contact and support
Subscribe to newsletter
Blog
Twitter

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RELX Group™

EI检索方法

- Quick search: 常用、当前默认的检索方法

The screenshot shows the Engineering Village search interface. At the top left is the Engineering Village logo. The main search bar is highlighted in green and contains the text "Quick search:" and "All fields" (both in red boxes). The search query is "e.g. (artificial intelligence OR intelligent computing) AND {social media}". To the right of the search bar are links for "Search", "Alerts", "Selected records", "Create account", and "Login". Below the search bar, there are filters for "Databases", "Browse indexes", "Autostemming", "Discipline", and "Treatment" (the last one is in a red box). A "Turn off AutoSuggest" link and a "+ Add search field" button (in a red box) are also present. Below the search bar, there are radio buttons for "All Treatments" (selected), "Experimental", "Management aspects", "Applications", "General review", "Numerical", "Biographical", "Historical", "Theoretical", "Economic", and "Literature review". The text "研究类型" (Research Type) is written next to the "Biographical" option. At the bottom left, there is a sidebar with "About Ei", "History of Ei", and the Elsevier logo. The bottom right corner has a "RELX Group" logo and a "You agree to the use of cookies." notice.



EI检索方法

- 检索字段说明

检索字段	中文含义	字段说明
All fields	所有字段	对全部记录进行检索
Subject/title/ abstract	主题/标题/文摘等	主要针对文献内容进行检索
abstract	文摘	对摘要字段进行检索
author	作者	对作者字段进行检索
Author affiliation	作者机构	对作者所属机构和地址进行检索
Title	标题	文献标题
EI classification code	EI分类码	EI对文献分类后赋予的分类码
CODEN	期刊编心码	即期刊简写
Conference Information	会议信息	包括会议名称、举办日期、举办地点、会议编码
Conference code	会议代码	EI赋予某一会议论文集的指定代码
ISSN	国际标准期刊编号	
EI main heading	EI主标题词	标引用的受控词，用于标引和排列文献
publisher	出版社	
Source title	期刊名称	
EI controlled term	EI 受控词	EI 词典包括1.8万受控词
Country of origin	国家或地区	





EI检索方法

• 检索字段说明

» EI main heading

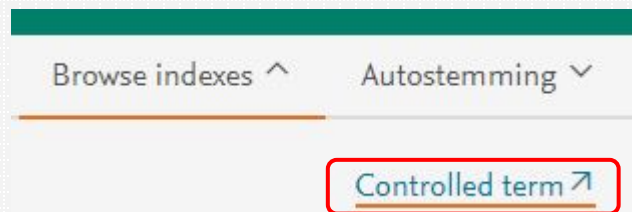
- EI Main Heading (主标题词) 数据库中每个记录均被赋予一个主标题词, 用来表示文献的主题思想 (Main Heading)。而其余的主题词用来描述文献中所涉及的其它的概念。

» EI controlled term

- EI controlled term (受控词) 来自EI叙词表, 它从专业的角度将同一概念的主题进行归类, 因此使用受控词进行检索比较准确。



? 怎样查找 EI 控词表?





EI检索方法

• 文献类型、研究类型说明

文献类型	中文名称	文献类型	中文名称
All document types	所有文件类型	Monograph chapter	专题论文
Journal article	期刊文章	Monograph review	专题论文评论
Conference article	会议论文	Report chapter	报告
Conference proceeding	会议论文集	Report review	报告评论
Dissertation	学位论文		

研究类型	中文名称	研究类型	中文名称
All treatment types	所有研究类型	Historical	历史类
Applications	应用类	Literature Review	文学综述
Biographical	传记类	Management Aspects	管理类
Economic	经济类	Numerical	数字类
Experimental	实验类	Theoretical	理论类
General Review	一般综述		



EI检索方法

- Expert search: 专业/高级检索

Engineering Village™

Search ▾

Alerts 0

Selected records 0

Expert search:

e.g. ((ad*hoc networks WN CV OR wireless sensor networks WN CV) AND {protocols} WN ALL) AND (wireless WN PN OR network WN PN)

Expert

- 快速检索中的规则适用于高级检索。
- 检索式就是把检索词用选定的数据库所支持的各种检索算符连接起来组成的式子。
- 高级检索采用 within 命令 (wn) 和字段码、布尔运算符、括号等组合成检索式。
- 举例：
“linear induction motors” wn KY
“international space station” wn ALL and French wn LA
Apr 13 1992 wn CF
- 可使用括号指定检索的顺序，括号内的术语和操作优先于括号外的术语和操作。也可使用多重括号。
- 注：在做高级检索中，系统不会自动执行词干检索。若需要做词干检索，则要在检索词前加上 “\$” 符号或勾选掉 “Autostemming off” 取消词干检索。



EI检索方法

- Expert search: 专业/高级检索

Engineering Village

Search ▾ Results ▾¹ Alerts⁰ Selected records⁰ More ▾

Expert search:

Databases ▾ Date ▾ Sort by ▾ Autostemming ▾ **Search codes** ▾ Browse indexes ▾

Database	Code = Field	Code = Field
c = Compendex	AB = Abstract (c)	BN = ISBN (c)
	AN = Accession number (c)	SN = ISSN (c)
	AF = Affiliation/Assignee (c)	SU = Issue (c)
	ALL = All fields (c)	LA = Language (c)
	AU = Author/Inventor (c)	NU = see Numerical Data Codes (c)
	CL = Classification code (c)	PA = Patent application date (c)
	CN = CODEN (c)	PI = Patent issue date (c)
	CC = Conference code (c)	PM = Patent number (c)
	CF = Conference information (c)	YR = Publication year (c)

Codes displayed will depend on your current database selection

检索字段代码可以在“Search codes”选项卡下找到



EI检索方法

- Thesaurus search: 叙词检索



EI叙词表是什么？

- 叙词表是由专业的规范词组成，它可以将同一主题不同表述的词，按主题内容规范在标准的专业词下，避免了由于词汇书写不同造成漏检，或词义概念混淆导致错检的问题。用户利用叙词表可从主题角度检索文献，进而提高文献的查准率。



为什么需要叙词检索？

- 从文章中选词进行检索易漏检或误检
- 一个概念有多种表示——导致漏检 (检索时需要收集同义词，费时麻烦且易漏检)
- 一个词可以表示多个概念——导致误检



举例

- 高级检索中检索 “cell wn ti”
- 检索 solar cells 与 solar batteries

EI检索方法

- Thesaurus search: 叙词检索
- 高级检索中检索 “cell wn ti”

The screenshot shows the Engineering Village search interface. The search bar contains the query "(cell wn ti)". The results page displays 167050 records found in Compendex for 1884-2019. A list of search results is shown, with the first result titled "Er and Mg co-doped TiO2 nanorod arrays and improvement of photovoltaic property in perovskite solar cell" highlighted. The word "solar cell" in the title is circled in red. The left sidebar shows various filters like "Document type", "Author", and "Author affiliation".

- 检索 solar cells与 solar batteries

The screenshot shows the Engineering Village search interface for the query "solar cells". The search bar contains "solar cells". The results page displays 152467 records found in Compendex for 1884-2019. The number "152467 records" is circled in red. Suggested terms include "Photovoltaic Cells" and "Solar Power Generation".

The screenshot shows the Engineering Village search interface for the query "solar batteries". The search bar contains "solar batteries". The results page displays 14429 records found in Compendex for 1884-2019. The number "14429 records" is circled in red. Suggested terms include "Solar Cells", "Solar Energy", and "Photovoltaic Cells".



EI检索方法

- **Thesaurus search: 叙词检索**

- 利用叙词表可以从主题概念的角度扩展或缩小检索范围。
- 叙词表提供三种检索方式：
- Vocabulary search（主表查询）：可判断被检索词在叙词表中的正确表达方式；
- Exact term（精确查询）：用以判断输入词是否为叙词表中的词；
- Browse（按字顺查询）

Engineering Village™

Search ▾ Results ▾ 3 Alerts 0 Selected

Thesaurus search: Vocabulary search ▾ for e.g. computer simulation

Database: Vocabulary search ▴

- Vocabulary search
- Exact term
- Browse





EI检索方法

- Thesaurus search: 叙词检索

选择叙词检索 输入检索词

Thesaurus search: Vocabulary search for neural networks

Database: Compendex

27 matching terms 1 of 3 >

neural networks 匹配词条

Term	Term
<input type="checkbox"/> Artificial intelligence	<input type="checkbox"/> Cellular neural networks
<input type="checkbox"/> Artificial neural networks	<input type="checkbox"/> Deep learning
<input type="checkbox"/> Backpropagation	<input type="checkbox"/> Deep neural networks
<input type="checkbox"/> Biocybernetics	<input type="checkbox"/> Feedback neural networks
<input type="checkbox"/> Brain models	<input type="checkbox"/> Feedforward neural networks

选择词条



EI检索方法

- Thesaurus search: 叙词检索

检索结果

Exact term results

neural networks > Artificial neural networks > Neural networks

Neural networks

点击词条，展开本词条在叙词表中的层级关系

For: Artificial neural networks; Neural nets; Perceptrons

Broader terms

Artificial intelligence

上位词

Related terms

- Backpropagation
- Biocybernetics
- Brain models
- Deep learning
- Deep neural networks
- Independent component analysis
- Intelligent computing
- Learning systems
- Long short-term memory
- Memory architecture
- Nearest neighbor search
- Neurophysiology
- Particle swarm optimization (PSO)

相关叙词

Narrower terms

- Cellular neural networks
- Feedforward neural networks
- Fuzzy neural networks
- Multilayer neural networks
- Recurrent neural networks
- Self organizing maps

下位词

- 词条下方会出现：上位词、相关词、下位词。
- 可以根据词条释义，帮助我们找到合适的叙词。



EI检索方法

- Thesaurus search: 叙词检索

每一个term(词条)旁边都有一个按钮，通过它可以了解该词条进入叙词表的时间以及相关的分类编码。

Exact term results ^

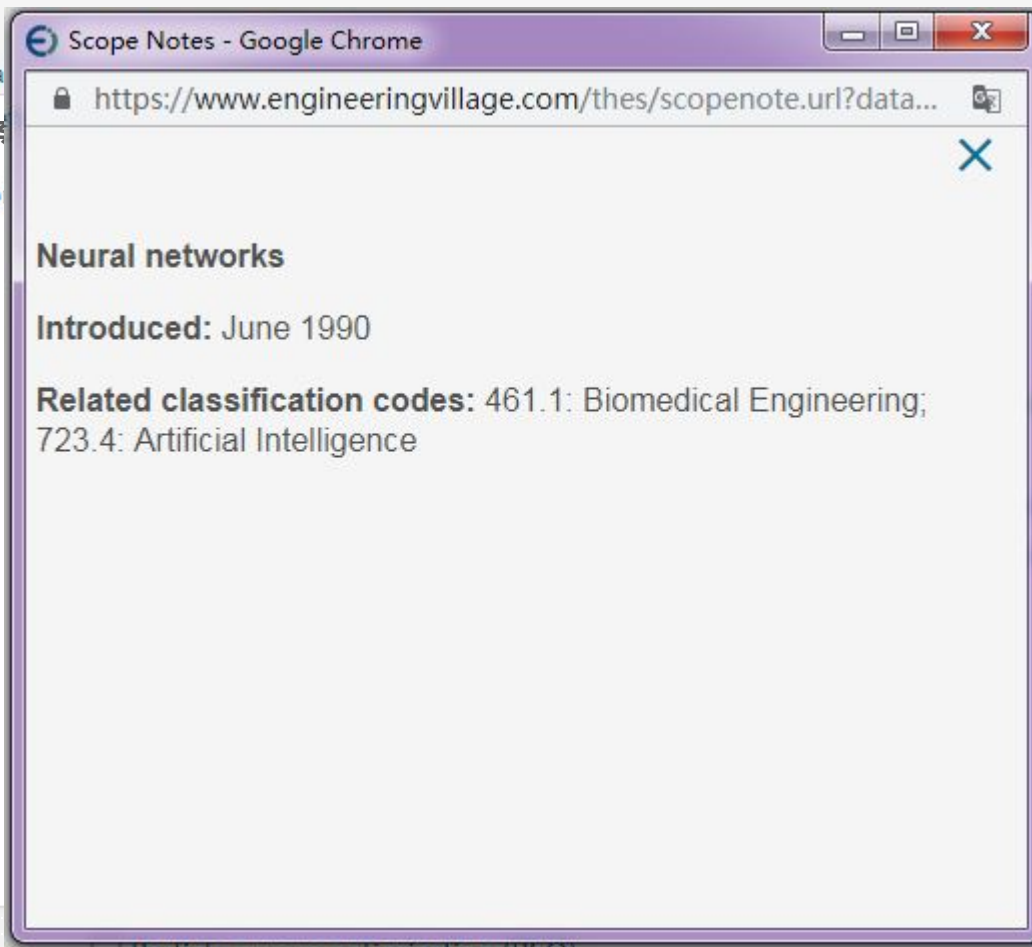
neural networks > Artificial neural networks

Neural networks  词条

For: Artificial neural networks

Broader terms

Artificial intelligence



Scope Notes - Google Chrome

<https://www.engineeringvillage.com/thes/scopenote.url?data...>

Neural networks

Introduced: June 1990

Related classification codes: 461.1: Biomedical Engineering;
723.4: Artificial Intelligence



EI检索方法

- Thesaurus search: 叙词检索

Exact term results ^

Neural networks

Neural networks

For: Artificial neural net

Broader terms

Artificial intelligence

Selected term(s) >

Neural networks	X
Backpropagation	X
Feedforward neural networks	X
Fuzzy neural networks	X

AND
 OR

Reset form



- Intelligent computing
- Learning systems
- Long short-term memory
- Memory architecture
- Nearest neighbor search
- Neurophysiology
- Particle swarm optimization (PSO)

- 根据给出的叙词列表选择需要的检索词条。
- 已选择的词条，同时会进入Selected term(s)，根据具体的检索主题，选择逻辑 'OR'或 'AND'，执行检索。



EI检索方法

- Thesaurus search: 叙词检索
检索结果

New Engineering Village

Search ▾ Results ▾¹ Alerts⁰ Selected records⁰ More ▾

Thesaurus search: Exact term ▾ for Neural networks

Database: Compendex

Exact term results ▾

221764 records found in Compendex for 1884-2019: ((({Neural networks} WN CV) OR ({Backpropagation} WN CV) OR ({Feedforward neural networks} WN CV) OR ({Fuzzy neural networks} WN CV)))

Alert Save RSS



found in Compendex for 1884-2019: ((({Neural networks} WN CV) OR ({Backpropagation} WN CV) OR ({Feedforward neural networks} WN CV) OR ({Fuzzy neural networks} WN CV)))



EI检索方法

- Thesaurus search: 叙词检索

举例：转基因小麦

The screenshot shows the Engineering Village search interface. At the top left is the logo for Engineering Village. On the right, there are navigation links: Search, Results (with a blue circle containing the number 7), Alerts (with a blue circle containing the number 0), and Selected records (with a blue circle containing the number 0). Below the navigation is a search bar with the text "Expert search:" and the query "(gene transfer) WN CV AND (wheat)". Below the search bar are several filters: Databases ^, Date v, Sort by v, Autostemming v, Search codes v, and Browse indexes v. Below the filters is a green bar with the text "28 records found in Compendex for 1884-2019: (gene transfer) WN CV AND (wheat)". Below this bar are icons for Alert, Save, and RSS. A red box highlights the "28 records" text. A mouse cursor is pointing at the RSS icon.

使用“gene transfer” AND “wheat”
检索结果






EI检索方法

- Thesaurus search: 叙词检索
举例：转基因小麦

Exact term results ^

gene transfer > Gene transfer > Genetic engineering

Genetic engineering 

For: Recombinant DNA technology

Broader terms

Biotechnology

Related terms

- Gene expression
- Gene therapy
- Genetically modified plants
- Mutagenesis
- Polymerase chain reaction
- Transcription

Narrower terms

- Cloning
- Gene transfer
- Metabolic engineering



利用叙词检索搜索需要的相关检索词





EI检索方法

- Thesaurus search: 叙词检索

举例：转基因小麦

New Engineering Village

Search ▾ Results ▾ 11 Alerts 0 Selected records 0 More ▾

Expert search: `((({Gene transfer} WN CV) OR ({Genetic engineering} WN CV) OR ({Gene expression} WN CV) OR ({Genetically modified plants} WN CV))) AND (wheat)`

Databases ^ Date ▾ Sort by ▾ Autostemming ▾ Search codes ▾ Browse indexes ▾

822 records found in Compendex for 1884-2019: `((({Gene transfer} WN CV) OR ({Genetic engineering} WN CV) OR ({Gene expression} WN CV) OR ({Genetically modified plants} WN CV))) AND (wheat)`

Alert Save RSS



使用叙词表中词条检索结果



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检索规则

输入规则

- 检索词输入不区分大小
- 输入框按照顺序输入

逻辑算符

- 逻辑算符用AND、OR、NOT 表示

 EI基本检索规则可参考以下链接：

https://service.elsevier.com/app/answers/detail/a_id/25941/supporthub/engineering-village/#syntax

关键词检索

输入的关键词	检出文献数目
“solar energy”	91782
{ solar energy }	60380
solar NEAR energy	68080
solar energy	91782
solar and energy	91782
solar* energ*	91784
solar not energy	136554
solar or energy	1243540

检索规则

布尔运算符

- AND：缩小检索范围，得到只有包含所有这些术语的检索结果
- OR：扩大检索范围，得到包含这些术语中任何一个的检索结果
- NOT：从检索中删除检索词
- 举例：**German and English not Chinese**

邻近算符:NEAR ONEAR

- 邻近算符NEAR 和 ONEAR：使用NEAR和ONEAR可以检索相近的检索词，但是NEAR和ONEAR不能和截词符、通配符、圆括号、大括号和引号一起使用。
- 举例：**Laser NEAR/4 diode**
表示两词之间可以插入0到4个字母/词，词序可以颠倒
- Laser ONEAR/4 diode**
表示两词之间可以插入0到4个字母/词，词序不可以颠倒
- Laser NEAR/0 diode**
表示两词之间紧密相连，词序可以颠倒
- Laser NEAR diode**
系统默认为Laser NEAR/4 diode

检索规则

精确检索

- 要检索得更精确，词组或短语需用引号或括号标引。
- 举例： "International Space Station"或{International Space Station}
含义上相当于International ONEAR/0 Space ONER/0 Station

特殊字符

- 除了a-z,A-Z, 0-9,?,*.,#,()或{ }等符号外，其它符号均视为特殊符号，检索时将被忽略。除非用引号或括号将其括起，如：{n<7}，此时特殊字符将被一个空格代替。

连接词的使用

- 如果用短语检索时，允许句中使用连接词(and, or, not, near, onear)，但该语句必须用引号或括号括起。
- 举例： {block and tackle}
“water craft parts and equipment”



检索规则

逻辑组配运行顺序

- 如果输入三个词/短语，快速检索总是先合并检索前两个词/短语，然后再检索第三个词/短语
- 举例：
a AND b OR c 表示为 (a AND b) OR c
a OR b AND c 表示为 (a OR b) AND c
a OR b NOT c 表示为 (a OR b) NOT c

通配符

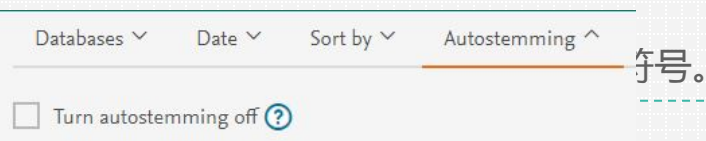
- 截词符：用*表示，放置在词首、词尾、词中，可代替零或多个字母，通过使用截词命令能够检索到截词符前后字母相同的所有词。
- 举例：
comput*可以将computer, computerized, computation等作为检索词。
*sorption可以将absorption, adsorption, desorption等作为检索词。
h*emoglobin可以将hemoglobin, haemoglobin等作为检索词。
- 截词符与引号或大括号不可同时使用。
- 屏蔽检索？：使用？可以代替一个字符，以防止由于拼法不同或众数异形等原因造成的漏检。
- 举例：
wom?n可以检索到women, woman
fib??board可以检索到fiberboard, fibreboard



检索规则

词干检索

- 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。
- 在快速检索中，系统自动执行词干检索（除作者字段）
- 如输入management，系统会将managing，managed，manager，manage，managers等词视为检索词，如需取消该功能，需点击“autostemming off”
- 而在高级检索中，系统不自动进行词干检索，



作者检索

- EI数据库中作者有九种写法，以袁晓洁（Yuan Xiaojie）老师为例：
- Yuan xiaojie or Yuan xiao-jie or xiaojie yuan or xiao-jie yuan or
- Yuan xj or Yuan x-j or Yuan x or xiaojie y or xiao-jie y
- 同时也可以使用截词符*，以三种形式来代替，并用其他检索字段来限制，如：
- Yuan X* or xiaojie y* or xiao-jie y*

Content

01 Engineering Index 简介

02 EI检索方法

03 检索规则

04 检索结果的处理

05 个性化服务

检索结果的处理

检索结果页面

快速检索（所有字段）：

339243篇文章摘要记录 / Compendex数据库

The screenshot shows the Engineering Village search results page for the query 'Neural networks'. The page displays 339,243 records found in Compendex for 1884-2019. The search interface includes a search bar, suggested terms, and various filters. A red box highlights the search bar and the 'Refine' sidebar. The 'Refine' sidebar contains a numeric filter and a 'By category' section with buttons for 'Limit to' and 'Exclude'. The main results list shows three entries, each with a checkbox, title, author information, source, database, document type, and a 'Full text' link.

Engineering Village

Search ▾ Results ▾ Alerts Selected records More ▾ ? ▾ ? ▾ Create account Sign in

Quick search: All fields for Neural networks

Suggested terms: Learning Systems Forecasting Mathematical Models Computer Simulation Algorithms

Turn off AutoSuggest | + Add search field | Reset form

Databases ▾ Date ▾ Language ▾ Document type ▾ Sort by ▾ Browse indexes ▾ Autostemming ▾ Discipline ▾ Treatment ▾

339243 records found in Compendex for 1884-2019: ((Neural networks) WN All fields) 1 of 13570 pages >

Alert Save RSS Sort by: Relevance

Display: 25 results per page

Refine

Numeric filter ?

By category Download all

Limit to Exclude

Add a term

Controlled vocabulary Document type Author Author affiliation Classification code Country Language

- Ensemble of Convolutional Neural Networks for Face Recognition**
Mohanraj, V. (Department of Electronics Engineering, Madras Institute of Technology, Anna University, Chennai, India); Sibi Chakkaravarthy, S.; Vaidehi, V. Source: *Advances in Intelligent Systems and Computing*, v 740, p 467-477, 2019
Database: Compendex
Document type: Book chapter (CH)
Detailed Show preview Full text
- Baby cry recognition using deep neural networks**
Yong, Boon Fei (Faculty of Engineering, Biomedical Engineering Department, University of Malaya, Kuala Lumpur, Malaysia); Ting, Hua Nong; Ng, Kwan Hoong Source: *IFMBE Proceedings*, v 68, n 3, p 809-813, 2019
Database: Compendex
Document type: Conference article (CA)
Detailed Show preview Full text
- Aquarium Family Fish Species Identification System Using Deep Neural Networks**
Khalifa, Nour Eldeen M. (Information Technology Department, Faculty of Computers and Information, Cairo University, Giza, Egypt); Taha, Mohamed Hamed N.; Hassanien, Aboul Ella Source: *Advances in Intelligent Systems and Computing*, v 845, p 347-356, 2019, *Proceedings of the International Conference on Advanced Intelligent Systems and Informatics 2018*
Database: Compendex
Document type: Conference article (CA)
Detailed Show preview Full text

检索结果进一步处理分析：

限制检索 / 图表显示 / 输出数据

检索结果的处理

检索结果页面

Engineering Village

Search ▾ Results ▾ Alerts Selected records More ▾ Create account Sign in

Quick search: All fields for Neural networks

Suggested terms: Learning Systems Forecasting Mathematical Models Computer Simulation Algorithms

Turn off AutoSuggest | + Add search field | Reset form

Databases ▾ Date ▾ Language ▾ Document type ▾ Sort by ▾ Browse indexes ▾ Autostemming ▾ Discipline ▾ Treatment ▾

339243 records found in Compendex for 1884-2019: ((Neural networks) WN All fields) 1 of 13570 pages >

Alert Save RSS

Sort by: Relevance

Refine

Numeric filter

By category Download all

Limit to Exclude

Add a term

Controlled vocabulary

Document type

Author

Author affiliation

Classification code

Country

Language

检索结果保存方式：email / print / download

1. Ensemble of Convolutional Neural Networks for Face Recognition
Mohanraj, V. (Department of Electronics Engineering, Madras Institute of Technology, Anna University, Chennai, India); Sibithakkaravarthy, S.; Vaidehi, V.
Computing, v 740, p 467-477, 2019
Database: Compendex
Document type: Book chapter (CH)
Detailed Show preview Full text

2. Baby cry recognition using deep neural networks
Yong, Boon Fei (Faculty of Engineering, Biomedical Engineering Department, University of Malaya, Kuala Lumpur, Malaysia); Ting, Hua Nong; Ng, Kwan I.
809-813, 2019
Database: Compendex
Document type: Conference article (CA)
Detailed Show preview Full text

3. Aquarium Family Fish Species Identification System Using Deep Neural Networks
Khalifa, Nour Eldeen M. (Information Technology Department, Faculty of Computers and Information, Cairo University, Giza, Egypt); Taha, Mohamed Har
in Intelligent Systems and Computing, v 845, p 347-356, 2019, Proceedings of the International Conference on Advanced Intelligent Systems and Informatics 2018
Database: Compendex
Document type: Conference article (CA)
Detailed Show preview Full text

Relevance

Relevance

Date (Oldest)

Date (Newest)

Author (A-Z)

Author (Z-A)

Source (A-Z)

可依照相关程度、日期、作者、文献来源、出版者排序(预设为相关度)，依降序或升幂规则排序。

检索结果的处理

• 文献内容：Abstract

Engineering Village

Search ▾ Results ▾ Alerts Alerts Selected records ▾ More ▾ Create account Sign in

Record

Record 1 from Compendex for: ((Neural networks) WN All fields) , 1884-2019 1 of 339243 >

Back to results Full text

Abstract Detailed

Compendex Ref: 1

Ensemble of Convolutional Neural Networks for Face Recognition

Mohanraj, V.¹; Sibi Chakkaravarthy, S.¹; Valdehi, V.²

Source: *Advances in Intelligent Systems and Computing*, v 740, p 467-477, 2019; ISSN: 21945357; DOI: 10.1007/978-981-13-1280-9_43; Publisher: Springer Verlag

Author affiliations: ¹ Department of Electronics Engineering, Madras Institute of Technology, Anna University, Chennai, India
² School of Computer Science and Engineering, VIT University, Chennai, India

Abstract: Convolutional **Neural Networks** (CNN) are becoming increasingly popular in large-scale image recognition, classification, localization, and detection. Existing CNN models use the single model to extract the features and the recognition accuracy of these models is not adequate for real-time applications. In order to increase the recognition accuracy, an Ensemble of Convolutional **Neural Networks** (ECNN) based face recognition is proposed. The proposed model addresses the challenges of facial expression, aging, low resolution, and pose variations. The proposed ECNN model outperforms the existing state of the art models such as Inception-v3, VGG16, VGG19, Xception and ResNet50 CNN models with a Rank-5 accuracy of 97.12% on Web Face dataset and 100% on YouTube face dataset. © 2019, Springer Nature Singapore Pte Ltd. (17 refs)

Main heading: Face recognition

Controlled terms: Computer vision - Convolution - Learning systems - Neural networks

Uncontrolled terms: Convolutional neural network - Convolutional Neural Networks (CNN) - Facial Expressions - Low resolution - Pose variation - Real-time application - Recognition accuracy - State of the art

Classification code: 716.1 Information Theory and Signal Processing - 723.5 Computer Applications

Database: Compendex

Related Documents

Building a brain: How convolution neural networks can predict sprinkler activations
De Vries, J.; Kostka, Stanislav
(2018) *Proceedings of SPIE - The International Society for Optical Engineering*
Database: Compendex

High-Throughput Classification of Radiographs Using Deep Convolutional Neural Networks
Rajkomar, Alvin; Lingam, Sneha; Taylor, Andrew G.; Blum, Mic...
(2017) *Journal of Digital Imaging*
Database: Compendex

Deep Convolutional Neural Networks for Breast Cancer Histology Image Analysis
Rakhlin, Alexander; Shvets, Alexey; Iglonikov, Vladimir; Kalinin, ...
(2018) *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*
Database: Compendex

Tools in Scopus

This article has been cited 0 times in Scopus since 1996.

Author details:

Mohanraj, V.
Sibi Chakkaravarthy, S.
Valdehi, V.

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文献记录

在Scopus中施引文献，可连接至Scopus数据库



检索结果的处理

• 文献内容 : Detailed

Record 1 from Compendex for: ((Neural networks) WN All fields) , 1884-2019

< Back to results Full text

Abstract Ensemble of Convolutional **Neural Networks** for Face Recognition

Detailed

Compendex Refs **17**

Accession number: 20183805837704

Authors: Mohanraj, V. ¹ ; Sibi Chakkaravarthy, S. ¹ ; Vaidehi, V. ²

Author affiliations: ¹ Department of Electronics Engineering, Madras Institute of Technology, Anna University, Chennai, India
² School of Computer Science and Engineering, VIT University, Chennai, India

Corresponding author: Mohanraj, V. (mohanraj@mitindia.edu)

Source title: Advances in Intelligent Systems and Computing

Abbreviated source title: Adv. Intell. Sys. Comput.

Volume: 740

Issue date: 2019

Publication Year: 2019

Pages: 467-477

Language: English

ISSN: 21945357

Document type: Book chapter (CH)

Publisher: Springer Verlag

Abstract: Convolutional **Neural Networks** (CNN) are becoming increasingly popular in large-scale image recognition, classification, localization, and detection. Existing CNN models use the single model to extract the features and the recognition accuracy of these models is not adequate for real-time applications. In order to increase the recognition accuracy, an Ensemble of Convolutional **Neural Networks** (ECNN) based face recognition is proposed. The proposed model addresses the challenges of facial expression, aging, low resolution, and pose variations. The proposed ECNN model outperforms the existing state of the art models such as Inception-v3, VGG16, VGG19, Xception and ResNet50 CNN models with a Rank-5 accuracy of 97.12% on Web Face dataset and 100% on YouTube face dataset. © 2019, Springer Nature Singapore Pte Ltd.

Number of references: 17

Main heading: Face recognition

Controlled terms: Computer vision - Convolution - Learning systems - **Neural networks**


Uncontrolled terms: Convolutional **neural network** - Convolutional **Neural Networks** (CNN) - Facial Expressions - Low resolution - Pose variation - Real-time application - Recognition accuracy - State of the art

Classification code: 716.1Information Theory and Signal Processing - 73.5Computer Applications

Numerical data indexing: Percentage 1.00e+02%, Percentage 9.71e+01%

DOI: 10.1007/978-981-13-1280-9_43

Database: Compendex



- Accession number:**
文章检索号
- Authors :**
点选作者名字找到更多
该作者发表的文章
- Author affiliation :**
每位作者的所属机构
- ISSN :**
找到更多关于这本期刊
的文章
- Main heading :**
主标题词
- Controlled term :**
受控词
- Uncontrolled term :**
自由词
- Classification code :**
分类号



检索结果的处理

• Refine Results

• 在 Refine 检索结果中：可依作者、作者所属机构、国家、文献种类等类别进行筛选：Limit to 或是 Exclude 一个或多个标目。



• 在 Refine 中可结合一个以上的分析项目，通过每篇标目前的勾选框勾选要使用的标目选项。

The screenshot shows a search interface for 'neural networks' with 339,243 records found. A 'Refine' sidebar is highlighted in red, containing the following sections:

- Numeric filter:** A dropdown menu.
- By category:** A list of categories with checkboxes and counts:
 - Neural Networks (399201)
 - Learning Systems (29876)
 - Forecasting (25894)
 - Mathematical Models (25407)
 - Computer Simulation (23161)
- Document type:** A list of document types with checkboxes and counts:
 - Conference article (190768)
 - Journal article (133645)
 - Conference proceeding (6942)
 - Article in Press (3785)
 - Book chapter (1718)
- Author:** A list of authors with checkboxes and counts.
- Author affiliation:** A list of affiliations with checkboxes and counts.
- Classification code:** A list of codes with checkboxes and counts.
- Country:** A list of countries with checkboxes and counts.
- Language:** A list of languages with checkboxes and counts.
- Year:** A list of years with checkboxes and counts.
- Source title:** A list of source titles with checkboxes and counts.
- Publisher:** A list of publishers with checkboxes and counts.
- Funding sponsor:** A list of funding sponsors with checkboxes and counts.
- Status:** A list of statuses with checkboxes and counts.

Buttons for 'Limit to' and 'Exclude' are present at the bottom of the sidebar. The main results list shows the following entries:

- Ensemble of Convolutional Neural Networks for Face Recognition**
Mohanraj, V. (Department of Electronics Engineering, Madras Institute of Technology, Anna University, Chennai, India); Sibi Chakkaravarthy, S.; Vaidehi, V. Sources: *Advances in Intelligent Systems and Computing*, v 740, p 467-477, 2019.
Database: Compendex
Document type: Book chapter (CH)
Detailed Show preview Full text
- Baby cry recognition using deep neural networks**
Yong, Boon Fel (Faculty of Engineering, Biomedical Engineering Department, University of Malaya, Kuala Lumpur, Malaysia); Ting, Hza Nong; Ng, Kwan Hoong Sources: *IFMBE Proceedings*, v 68, n 3, p 809-813, 2019.
Database: Compendex
Document type: Conference article (CA)
Detailed Show preview Full text
- Aquarium Family Fish Species Identification System Using Deep Neural Networks**
Khalifa, Nour Eldeen M. (Information Technology Department, Faculty of Computers and Information, Cairo University, Giza, Egypt); Taha, Mohamed Hamed N.; Hassanien, Aboul Ella Sources: *Advances in Intelligent Systems and Computing*, v 845, p 347-356, 2019, *Proceedings of the International Conference on Advanced Intelligent Systems and Informatics 2018*.
Database: Compendex
Document type: Conference article (CA)
Detailed Show preview Full text
- Knowledge-based neural networks for microwave modeling and design**
Wang, Fang (Carleton University (Canada)) Sources: *ProQuest Dissertations and Theses Global*, 1999.
Database: Compendex
Document type: Dissertation (DS)
Detailed Show preview Full text
- Artificial neural networks applications in wind energy systems: a review**
Ata, Rasit (Celal Bayar University, Department of Electrical & Electronic Engineering, Turkey, Manisa, Turkey) Sources: *Renewable and Sustainable Energy Reviews*, v 49, p 534-562, September 1, 2015.
Database: Compendex
Detailed Show preview Cited in Scopus (89) Full text
- Function approximation by neural networks**
Li, Fengjun (School of Mathematics and Computer Science, Ningxia University, 750021 Yinchuan, China) Sources: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, v 5263 LNCS, n PART 1, p 384-390, 2008, *Advances in Neural Networks - ISSN 2008 - 5th International Symposium on Neural Networks, ISSN 2008, Proceedings*.
Database: Compendex
Document type: Conference article (CA)
Detailed Show preview Cited in Scopus (2) Full text
- Cambricon-X: An accelerator for sparse neural networks**
Zhang, Shijin (SKL of Computer Architecture, Institute of Computing Technology, CAS, Beijing, China); Du, Zidong; Zhang, Lei; Lan, Huiying; Liu, Shaoli; Li, Ling; Guo, Qi; Chen, Tianshi; Chen, Yunji Sources: *Proceedings of the Annual International Symposium on Microarchitecture, MICRO*, v 2016-December, December 14, 2016, *MICRO 2016 - 49th Annual IEEE/ACM International Symposium on Microarchitecture*.
Database: Compendex
Document type: Conference article (CA)
Detailed Show preview Cited in Scopus (26) Full text
- Optimized linear combination of multiple neural networks on object recognition**
Jiang, Huilin (Changshu University of Science and Technology, Changshu; 130022, China); Yang, Huamin; Jiang, Zhengang Sources: *Proceedings of SPIE - The International Society for Optical Engineering*, v 4925, p 386-389, August 30, 2002, *Electronic Imaging and Multimedia Technology III*.



检索结果的处理

- Refine Results
- Refine 功能的作用

- 可以了解谁在与你研究同一课题，进展如何？

- 了解所关心的课题所涉及的领域，发现新的研究方向

- 通过年代文献量的分析，了解课题所处的生命周期

- 通过出版项分析论文的质量

- 通过文献类型了解论文的分布





检索结果的处理

• Refine Results

了解课题专业词汇以及相关分类

Controlled vocabulary



- Neural Networks** (199203)
- Learning Systems (29876)
- Forecasting (25894)
- Mathematical Models (25407)
- Computer Simulation (23161)

[View more >](#)

Classification code



- Artificial Intelligence (131947)
- Mathematics (61897)
- Computer Software, Data Handling and Applications (53798)
- Computer Applications (50742)
- Data Processing and Image Processing (43554)

[View more >](#)

Author



- Wang, Jun (537)
- Cao, Jinde (425)
- Wang, Wei (399)
- Li, Wei (327)
- Liu, Derong (316)

[View more >](#)

Author affiliation



- leee (1808)
- University Of Chinese Academy Of Sciences (532)
- School Of Electrical And Electronic Engineering, Nanyang Technological University (521)
- School Of Information Science And Engineering, Northeastern University (434)
- School Of Computer Engineering, Nanyang Technological University (414)

[View more >](#)




了解课题当前研究者情况



检索结果的处理




- Refine Results

了解课题核心期刊以及出版物

Source title   

- Lecture Notes In Computer Science (Including Subseries Lecture Notes In Artificial Intelligence And Lecture Notes In Bioinformatics) (24834)
- Proceedings Of The International Joint Conference On Neural Networks (9607)
- Proceedings Of Spie - The International Society For Optical Engineering (7432)
- Ieee International Conference On Neural Networks - Conference Proceedings (5587)
- Neurocomputing (5011)

[View more >](#)

Publisher   

- Institute Of Electrical And Electronics Engineers Inc. (63574)
- Springer Verlag (34710)
- Ieee Computer Society (33302)
- Elsevier Ltd (17031)
- Ieee (16355)

[View more >](#)





检索结果的处理

• Refine Results

Year

- 2019
- 2018
- 2017
- 2016
- 2015

了解课题生命周期



(433)

(21920)

(24536)

(20851)

(17247)

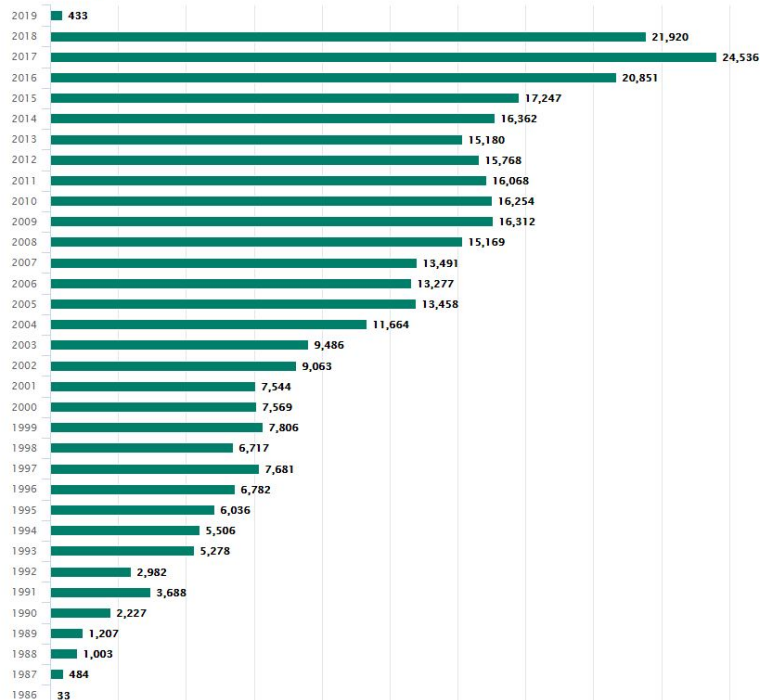
[View more >](#)

查看统计图表

Year

Search: ((neural networks) WN All fields)

[Click to limit your results](#)



Year

<input type="checkbox"/> 2019 (433)	<input type="checkbox"/> 2000 (7569)	<input type="checkbox"/> 1981 (12)
<input type="checkbox"/> 2018 (21920)	<input type="checkbox"/> 1999 (7806)	<input type="checkbox"/> 1980 (12)
<input type="checkbox"/> 2017 (24536)	<input type="checkbox"/> 1998 (6717)	<input type="checkbox"/> 1979 (10)
<input type="checkbox"/> 2016 (20851)	<input type="checkbox"/> 1997 (7681)	<input type="checkbox"/> 1978 (14)
<input type="checkbox"/> 2015 (17247)	<input type="checkbox"/> 1996 (6782)	<input type="checkbox"/> 1977 (4)
<input type="checkbox"/> 2014 (16362)	<input type="checkbox"/> 1995 (6036)	<input type="checkbox"/> 1976 (3)
<input type="checkbox"/> 2013 (15180)	<input type="checkbox"/> 1994 (5506)	<input type="checkbox"/> 1975 (7)
<input type="checkbox"/> 2012 (15768)	<input type="checkbox"/> 1993 (5278)	<input type="checkbox"/> 1974 (10)
<input type="checkbox"/> 2011 (16068)	<input type="checkbox"/> 1992 (2982)	<input type="checkbox"/> 1973 (5)
<input type="checkbox"/> 2010 (16254)	<input type="checkbox"/> 1991 (3688)	<input type="checkbox"/> 1972 (6)
<input type="checkbox"/> 2009 (16312)	<input type="checkbox"/> 1990 (2227)	<input type="checkbox"/> 1971 (4)
<input type="checkbox"/> 2008 (15169)	<input type="checkbox"/> 1989 (1207)	<input type="checkbox"/> 1969 (2)
<input type="checkbox"/> 2007 (13491)	<input type="checkbox"/> 1988 (1003)	<input type="checkbox"/> 1968 (1)
<input type="checkbox"/> 2006 (13277)	<input type="checkbox"/> 1987 (484)	<input type="checkbox"/> 1955 (2)
<input type="checkbox"/> 2005 (13458)	<input type="checkbox"/> 1986 (33)	<input type="checkbox"/> 1954 (1)
<input type="checkbox"/> 2004 (11664)	<input type="checkbox"/> 1985 (31)	
<input type="checkbox"/> 2003 (9486)	<input type="checkbox"/> 1984 (15)	
<input type="checkbox"/> 2002 (9063)	<input type="checkbox"/> 1983 (15)	
<input type="checkbox"/> 2001 (7544)	<input type="checkbox"/> 1982 (7)	

View: 10 [Max](#)

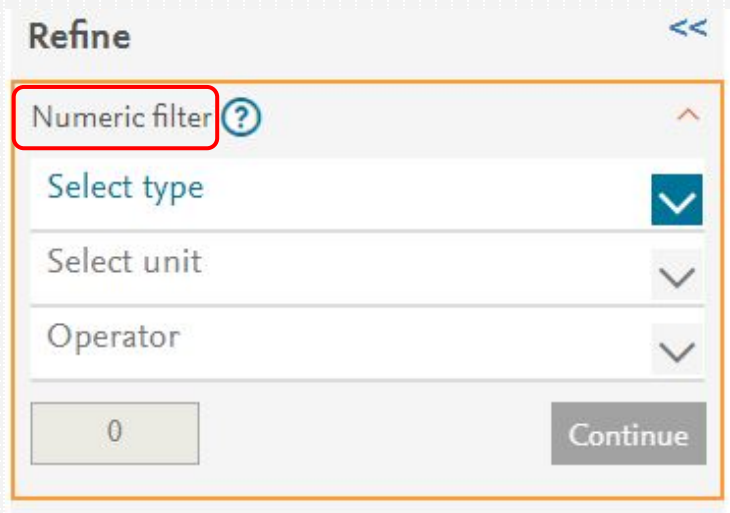
[Limit to](#) [Exclude](#)

- 形成统计图表及输出数据的按钮会出现在每个检索筛选项旁；
- 使用者可通过图表形式直观浏览检索结果数据，也可以将数据下载输出到其它软件中。

检索结果的处理

- **Numeric filter**

- 在科研文献中，数值数据往往被用来表示最重要的研究内容。然而以往通过数值、物理化学数据来检索科研文献是不太容易的，数值数据往往具有不同的使用范围、书写格式以及一些特殊符号的使用。
- 对于“Quick Search”或是“Expert Search”的检索结果，可以通过Numeric filter对新加入索引的62种不同单位的数值数据进行搜索。
- 重点：搜索具有测量单位的数值数据，克服单位不同与换算带来搜索上的不便。



Refine

Numeric filter ?

Select type

Select unit

Operator

0

Continue

- 通过分步引导对数值数据的筛选从而实现对数值数据的精确搜索。选择数据的**类型**、**单位**、**运算符**，输入数值即可进行检索。



Numeric filter 使用方法可参考以下链接：

https://service.elsevier.com/app/answers/detail/a_id/25923/c/10546/supporthub/engineering-village/

Content

01 Engineering Index 简介

02 EI检索方法

03 检索规则

04 检索结果的处理

05 个性化服务

个性化服务

注册及保存历史记录

创建个人账户

The screenshot shows the Engineering Village website interface. At the top left is the Engineering Village logo. Below it is a search bar with the text "Quick search: All fields". To the right of the search bar are navigation links for "Databases", "Date", "Language", and "Document". Below these is a "Compendex" button. On the left side, there is a vertical menu with the Engineering Village logo and links for "About Ei", "History of Ei", "Engineering Village", "About Engineering Village", "Accessibility Statement", "Content Available", "Who uses EV?", and "Privacy principles". At the bottom left is the Elsevier logo, and at the bottom right is the RELX Group logo. The footer contains copyright information for 2018 and links for "Terms and Conditions" and "Privacy". A cookie notice at the bottom states: "We use cookies to help provide and enhance our service".

建立账户 View in English

名字 (拼音) _____ 姓氏 (拼音) _____

电子邮箱 _____  **推荐使用Gmail邮箱注册**

密码 _____

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取消 **提交**

The screenshot shows the "创建个人账户" (Create account) form. At the top right is the "Create account" button, which is highlighted with a red box. To its right are "Login" and a menu icon. Below the button is a search bar with the text "Search field | Reset form". At the bottom right is the RELX Group logo.

个性化服务

- 注册及保存历史记录

- Quick search 检索 “neural networks” 结果

查看历史检索结果

查看勾选记录

The screenshot displays the Engineering Village search interface. At the top, the logo 'New Engineering Village' is visible. The search bar contains the query 'neural networks'. Below the search bar, there are suggested terms: 'Learning Systems', 'Forecasting', 'Mathematical Models', 'Computer Simulation', and 'Algorithms'. The search results section shows '340110 records found in Compendex for 1884-2019: ((neural networks) WN All fields)'. The results are sorted by 'Relevance' and displayed in a list format. The first three results are highlighted with a red box:

- 1. Transfer learning in GMDH-type neural networks**
Abdullahi, Aminu (Department of Computer Science, Federal University Dutse, Dutse, Nigeria); Akter, Mukti Source: *Advances in Intelligent Systems and Computing*, v 833, p 161-169, 2019, *Multimedia and Network Information Systems - Proceedings of the 11th International Conference MISSI 2018*
Database: Compendex
Document type: Conference article (CA)
Detailed Show preview Full text
- 2. Ensemble of Convolutional Neural Networks for Face Recognition**
Mohanraj, V. (Department of Electronics Engineering, Madras Institute of Technology, Anna University, Chennai, India); Sibi Chakkaravarthy, S.; Vaidehi, V. Source: *Advances in Intelligent Systems and Computing*, v 740, p 467-477, 2019
Database: Compendex
Document type: Book chapter (CH)
Detailed Show preview Full text
- 3. Baby cry recognition using deep neural networks**
Yong, Boon Fei (Faculty of Engineering, Biomedical Engineering Department, University of Malaya, Kuala Lumpur, Malaysia); Ting, Hua Nong; Ng, Kwan Hoong Source: *IFMBE Proceedings*, v 68, n 3, p 809-813, 2019
Database: Compendex
Document type: Conference article (CA)
Detailed Show preview Full text



个性化服务

- 注册及保存历史记录
- Quick search 检索 “neural networks” 结果



历史检索结果

Engineering Village

Search Results Alerts Selected records More

Search history

1 searches

Combine searches:

Combine searches	Search query	Actions
#1 <input type="checkbox"/>	345165 results in (Compendex) for: ((neural networks) WN All fields) Details <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>



Create alert:

定题跟踪服务,如果以关键词neural network的检索结果有更新,则新的动态会发送至用户邮箱

Save search:

勾选后在本账号下保存检索结果

Edit this search :

重新编辑此次检索

Remove search from search history:

从检索历史中删除此次检索记录

个性化服务

- 注册及保存历史记录
- Quick search 检索 “neural networks” 结果

查看勾选记录

The screenshot shows the Engineering Village search results page. At the top, the logo "New Engineering Village" is on the left, and navigation links "Search", "Results" (with a count of 1), "Alerts" (with a count of 0), "Selected records" (with a count of 2 and highlighted by a red box), and "More" are on the right. Below the navigation is a dark green header "Selected records" and a light green bar indicating "2 records". A "Sort by: Select sort type" dropdown is on the right. Below this is a toolbar with "ALL" (with an 'X'), "Citation format" (with a dropdown arrow), and a red box containing icons for email, print, and download. To the right of these icons is the text "选择保存检索结果 : email / print / download" and "Display: 25". The main content area lists two records:

1. X Ensemble of Convolutional Neural Networks for Face Recognition
Mohanraj, V. (Department of Electronics Engineering, Madras Institute of Technology, Anna University, Chennai, India); **Sibi Chakkaravarthy, S.; Vaidehi, V.**
Source: *Advances in Intelligent Systems and Computing*, v 740, p 467-477, 2019
Database: Compendex
[Full text ↗](#)
2. X Transfer learning in GMDH-type neural networks
Abdullahi, Aminu (Department of Computer Science, Federal University Dutse, Dutse, Nigeria); **Akter, Mukti**
Source: *Advances in Intelligent Systems and Computing*, v 833, p 161-169, 2019, *Multimedia and Network Information Systems - Proceedings of the 11th International Conference MISSI 2018*
Database: Compendex
[Full text ↗](#)

个性化服务

- 注册及保存历史记录
- Combine searches

继续检索关键词 “feedback control” Search ▾ Results ▲ 2

Recent results

2. 188939 results for: ((feedback control) WN All fields)
1. 340110 results for: ((neural networks) WN All fields)

[View all results](#)

查看所有的检索结果

New Engineering Village 将两个结果联合起来进行二次检索 Search ▾ Results ▾ 2 Alerts 1 Selected records 1 More ▾

Search history

2 searches

Combine searches: #2 AND #1

Combine searches	Search query	Actions
#2	189118 results in (Compendex) for: ((feedback control) WN All fields) Details ▾	🔔 📄 📄 ✕
#1	341286 results in (Compendex) for: ((neural networks) WN All fields) Details ▾	🔔 📄 📄 ✕

[Clear all results](#)

个性化服务

- 注册及保存历史记录
- Combine searches

对两个结果进行联合检索相当于用两个关键词进行相应的专业检索

The screenshot displays the Engineering Village search interface. At the top, the search bar contains the query: `((($feedback $control) WN ALL) AND (1884-2019 WN YR)) AND ((($neural $networks) WN ALL) AND (1884-2019 WN YR))`. Below the search bar, the results section shows 8061 records found in Compendex. The interface includes a 'Refine' sidebar on the left with options for 'By category' and 'Document type'. The main results area lists two articles:

- Finite-time robust stabilization of uncertain delayed neural networks with discontinuous activations via delayed feedback control**
Wang, Leimin (School of Automation, Huazhong University of Science and Technology, Wuhan; 430074, China); Shen, Yi; Sheng, Yin Source: *Neural Networks*, v 76, p 46-54, April 01, 2016
Database: Compendex
Document type: Journal article (JA)
Detailed Show preview Cited in in Scopus (12) Full text
- Output feedback control of nonlinear systems using RBF neural networks**
Seshagiri, Sridhar (EEE); Khalil, Hassan K. Source: *IEEE Transactions on Neural Networks*, v 11, n 1, p 69-79, Jan 2000
Database: Compendex
Document type: Journal article (JA)
Detailed Show preview Cited in in Scopus (365) Full text



个性化服务


- 如何判断期刊是否为EI收录

New Engineering Village Search ▾

Quick search: All fields ▾ for *e.g. (artificial intelligence OR intelligent computing) AND*

Databases ^ Date ▾ Language ▾ Document type ▾ Sort by ▾ Browse indexes ▾ Autostemming ▾ Discipline ▾ Treatment ▾

Compendex

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个性化服务

- 如何判断期刊是否为EI收录

Engineering Village Databases

About Ei Compendex & Ei Backfile

Ei Compendex is the broadest and most complete engineering literature database available in the world with over 22 million indexed records from 77 countries across 190 engineering disciplines. Every record is carefully selected and indexed using the Engineering Index Thesaurus so engineers can be confident information is relevant, complete, accurate and of high quality.

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Inspec, created by the Institution of Engineering and Technology (IET), is one of the world's most definitive bibliographic scientific databases, containing 16.8+ million records. Librarians of the world's top universities have relied on the Inspec database as a trusted source for relevant, peer reviewed scientific content for over 40 years. Inspec can be supplemented with the Inspec Archive to extend coverage and contains close to 900,000 records dating back to 1898. Its records have been digitized and indexed for fast, effective searching and are enhanced with current-day Inspec Thesaurus terms and Classification codes.

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谢谢!

