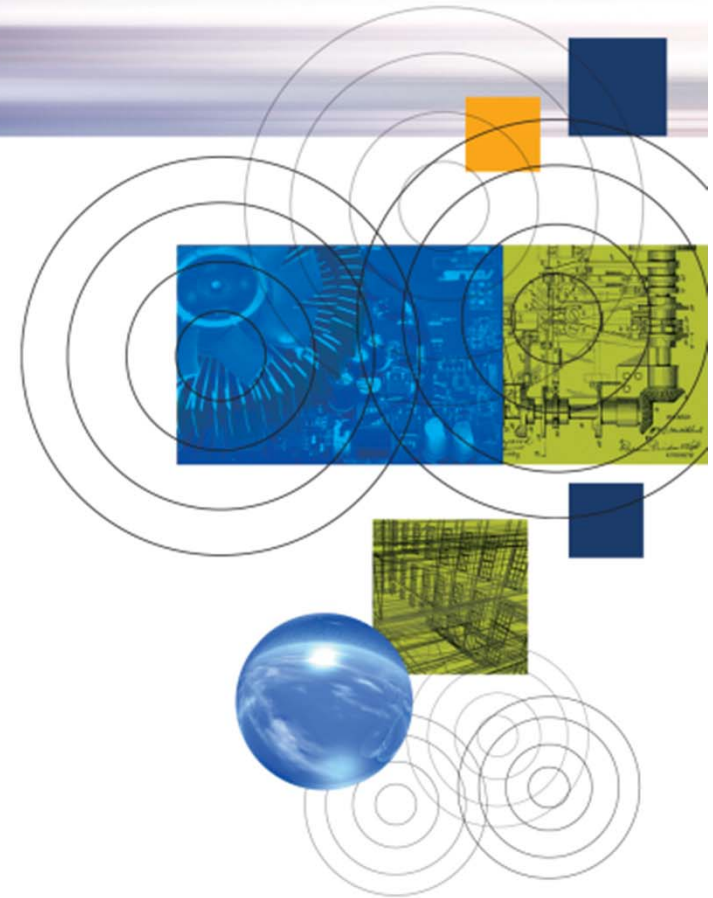


資料庫教育訓練

 Engineering Village



www.ei.org



Engineering Village 介面與收錄內容

- Engineering Village (簡稱EV) 為一平台名稱，由美國Elsevier Engineering Information Inc. . (簡稱 Ei) 所建置之網際網路工程資訊服務平台，提供工程領域的資訊
- 目前台灣大專院校圖書館多以訂購 Compendex 為主
- 當您在申請科技部專題計劃或教師評鑑資料時，想知得文獻或刊物是否被收錄 Ei，僅查詢 Compendex (Ei 前身)即可。

Compendex

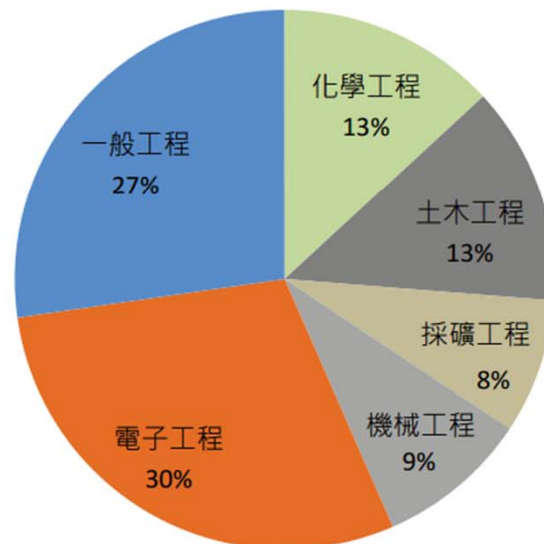
Compendex 收錄來源...

- 190 種工程學科規範
- 來自 73 個國家
- 1,988 出版社 · 3,800 種期刊與 117 種產業雜誌
- 80,000 多種會議論文
- 83 種書籍叢書
- 1261 種提供 Article in Press 期刊
(即將發行的正式文獻)

Compendex 收錄的數量...

- 自 1970 年 · 已有 1700 多萬筆記錄
- 1 千萬篇文獻
- 570 萬筆會議文獻
- 每週新增 25,000 筆記錄
- 1884 年至 1969 年 · 178 萬多筆索摘資料
(Ei 回溯期刊 · 需另外訂購)

Compendex 所涵蓋之學科領域



Ei 收錄的相關領域

- 應用物理學 · 如光學
- 生物工程與生物技術
- 食品科學與技術
- 材料科學
- 儀器儀表 · 如醫療器材
- 奈米技術

EV特色

檢索利器

1.Refine Results：提供**多種欄位**支援精確搜尋，並可做成圖表

如：控制詞彙、索書號、文件形式、刊名等(共10種)

2.專家思維：控制詞彙 – Thesaurus 索引典

3.使用者思維：自然語彙 – Tag 標籤

4.專業的專家檢索模式：可自行輸入搜尋語法

使用 **Engineering Village** 好處

- Compendex 與 Inspec 各有索引典 (Thesaurus Search)，自動衍生工程專用詞彙。將一般說法 (同義不同詞) 分類重組「廣義詞」、「狹義詞」與「相關詞」。對同一概念採用固定的詞彙表達，提高檢索精確度。
- 跨不同出版社與不同國家之學術文獻，不侷限於單一出版社之文獻而有查找不足的情況。
- 文獻可連結至 Scopus 引用分析資料庫，查看文獻被引用次數 (Citation) 並進而查看相關文獻。
- 文獻可上傳至雲端網路或匯出至書目管理工具，便於文獻整理與編輯。

檢索技巧

- 右切截 (*)

- 輸入 **comput***，可找到

computer、

computers、

computerize

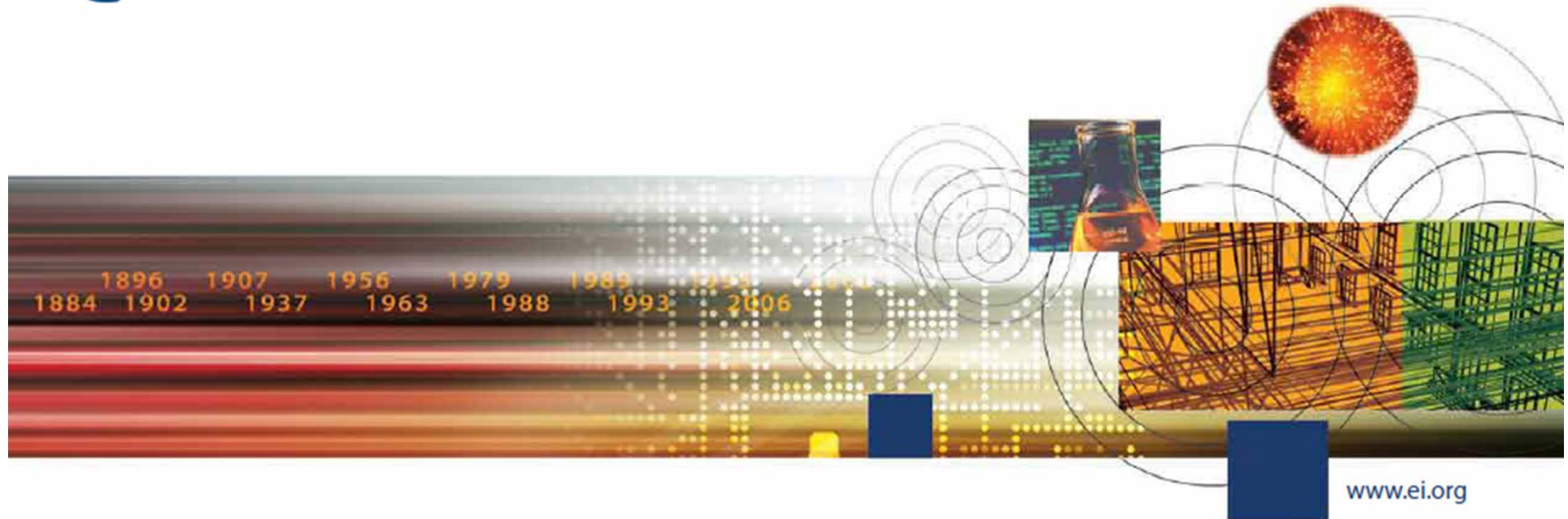
computerization

- 萬用字元(?)

- 使用問號可以代表一個字母

- 例如輸入 **wom?n**，可以找到 **woman**

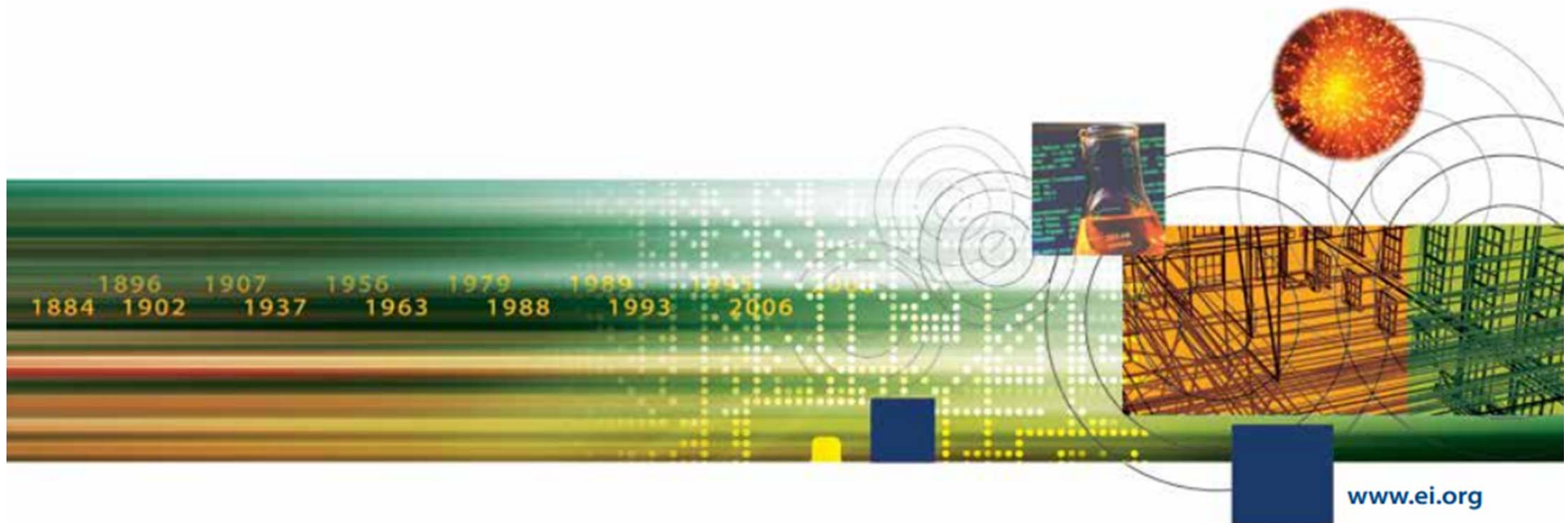
或 **women**的資料



檢索方式

- Quick Search - 快速搜尋
- Expert Search - 專家搜尋
- Thesaurus search - 索引典搜尋





Quick Search – 快速搜尋

Quick Search

The screenshot shows the Engineering Village Quick Search interface. The page header includes the Engineering Village logo and the tagline "The first choice for serious engineering research." Below the header is a navigation bar with links for "Search", "Selected records", "Settings", and "Tags & Groups". The main search area is titled "Quick Search" and includes tabs for "Expert Search" and "Thesaurus Search". A "Search History (8)" button is located at the top right of the search area, with a red box and arrow pointing to it and the Chinese text "搜尋歷史". The search form includes a "DATABASE" section with a checked "Compendex" option, a "SEARCH FOR" section with three input fields and "All fields" dropdowns, and "AND" operators. A red box and arrow point to the "Add search field" button with the Chinese text "增加搜尋欄位". Below the search form are "ADVANCED OPTIONS" and "LIMIT TO" sections. The "LIMIT TO" section includes dropdowns for "All document types", "All treatment types", and "All Languages", along with date and update filters. A red box and arrow point to this section with the Chinese text "限制條件和排序選項". The "SORT BY" section includes radio buttons for "Relevance" and "Date (Newest)", and a checkbox for "Autostemming off" which is currently unchecked. A red box and arrow point to this checkbox with the Chinese text "相似詞搜尋 (建議不要勾選)". The right sidebar contains "Browse Indexes", "Latest Resources", and "More Sources" sections.

結果頁面 - 1

Feedback Register | Login | End Session

搜尋結果

Search | Selected records | Settings | Tags & Groups Support Ask an expert

Quick Search
1803 articles found in Compendex for 1969-2016: ((nanoantennas) WN All fields)
New Search Edit Save Search Create Alert RSS feed Search history

-圖表顯示
-輸出資料
-打開/關閉

Refine results

Limit to Exclude

Add a term

Controlled vocabulary Author Author affiliation Classification code Country Document type Language Year Source title Publisher

Limit to Exclude

Run new search with selected facets

Display: 25 results per page Go to page: 1 of 73 Go Next >

Select: Selected Records (2) Remove all Selected Records
Email Print Download Sort by: Relevance

- Second harmonic generation from symmetric and asymmetric gold nanoantennas**
Chen, Wei-Liang (Center for Condensed Matter Sciences, National Taiwan University, Taipei, Taiwan); Lin, Fan-Cheng; Huang, Jer-Shing; Chang, Yu-Ming Source: CLEO: Applications and Technology, CLEO-AT 2015, May 4, 2015
Database: Compendex
Detailed | Show preview | Full Text | FIND IT AT NCHU!
- Second harmonic generation from symmetric and asymmetric gold nanoantennas**
Chen, Wei-Liang (Center for Condensed Matter Sciences, National Taiwan University, Taipei, Taiwan); Lin, Fan-Cheng; Huang, Jer-Shing; Chang, Yu-Ming Source: CLEO: QELS - Fundamental Science, CLEO_QELS 2015, 1551p, May 4, 2015
Database: Compendex
Detailed | Show preview | Full Text | FIND IT AT NCHU!
- Fabrication of gold nanoantennas on SiO2/TiO2 core/shell beads to study photon-driven surface reactions**
Salmistraro, Marco (INSTM, Chemistry for Technologies Lab., University of Brescia, via Branze 38, Brescia, Italy); Sassolini, Simone; Weber-Bargioni, Alexander; Cabrini, Stefano; Alessandri, Ivano Source: Microelectronic Engineering, v 143, p 69-73, August 1, 2015
Database: Compendex
Detailed | Show preview | Cited in S
- High sensitivity dark mode plasmon**
Chen, Kuo-Ping (National Chiao Tung University, Hsinchu, Taiwan); Zhen-Hong; Chang, Che-Yuan Source: CLEO: QELS - Fundamental Science, CLEO_QELS 2015, 1551p, May 4, 2015
Database: Compendex
Detailed | Show preview | Full Text | FIND IT AT NCHU!
- Ultrafast non-thermal response of plasmonic resonance in gold nanoantennas**
Soavi, Giancarlo (Dipartimento di Fisica, Politecnico di Milano, P.zza L. Da Vinci 32, Milan, Italy); Valle, Giuseppe Della; Biagioni, Paolo; Cattoni, Andrea; Longhi, Stefano; Cerullo, Giulio; Brida, Daniele Source: Springer Proceedings in Physics, v 162, p 679-682, 2015
Database: Compendex
Detailed | Show preview | Full Text | FIND IT AT NCHU!

文獻內容-摘要形式/文獻內容-詳細格式/在Scopus中被引用次數

輸入關鍵字開啟新的搜尋

結果頁面 - 2

Selected Records : 暫存文章
 管理搜尋結果 : 寄E-mail/列印/下載書目資訊/存到我的資料夾/移除重複文章

Search | Selected records | Settings | Tags & Groups Support Ask an expert

Quick Search
 1803 articles found in Compendex for 1969-2016: ((nanoantennas) WN All fields
 New Search Edit Save Search Create Alert RSS feed Search history

Display: 25 results per page Go to page: 1 of 73 Go Next >

Refine results
 Limit to Exclude
 Add a term
 Controlled vocabulary Author Author affiliation Classification code Country Document type Language Year Source title Publisher
 Limit to Exclude
 Run new search with selected facets Search

Select: Selected Records (2) Remove all Selected Records
 Email Print Download Sort by: Relevance

- Second harmonic generation from symmetric and asymmetric gold nanoantennas**
 Chen, Wei-Liang (Center for Condensed Matter Sciences, National Taiwan University, Taipei, Taiwan); Lin, Fan-Cheng; Huang, Jer-Shing; Chang, Yu-Ming Source: CLEO: Applications and Technology, v 13, p 1-4, 2015
 Database: Compendex
 Detailed | Show preview | Full Text | FIND IT AT NCHU!
- Second harmonic generation from symmetric and asymmetric gold nanoantennas**
 Chen, Wei-Liang (Center for Condensed Matter Sciences, National Taiwan University, Taipei, Taiwan); Lin, Fan-Cheng; Huang, Jer-Shing; Chang, Yu-Ming Source: CLEO: QELS - Fundamental Science, CLEO_QELS 2015, 1351p, May 4, 2015
 Database: Compendex
 Detailed | Show preview | Full Text | FIND IT AT NCHU!
- Fabrication of gold nanoantennas on SiO₂/TiO₂ core/shell beads to study photon-driven surface reactions**
 Salmistraro, Marco (INSTM, Chemistry for Technologies Lab., University of Brescia, via Branze 38, Brescia, Italy); Sassolini, Simone; Weber-Bargioni, Alexander; Cabrini, Stefano; Alessandri, Ivano Source: Microelectronic Engineering, v 143, p 69-73, August 1, 2015
 Database: Compendex
 Detailed | Show preview | Cited by in Scopus (3) | Full Text | FIND IT AT NCHU!
- High sensitivity dark mode plasmonic resonance in gold nanoantennas**
 Chen, Kuo-Ping (National Chiao Tung University, Hsinchu, Taiwan); Zhen-Hong; Chang, Che-Yuan Source: Optics Express, v 23, p 1-10, 2015
 Database: Compendex
 Detailed | Show preview | Full Text | FIND IT AT NCHU!
- Ultrafast non-thermal response of plasmonic resonance in gold nanoantennas**
 Soavi, Giancarlo (Dipartimento di Fisica, Politecnico di Milano, P.zza L. Da Vinci 32, Milan, Italy); Valle, Giuseppe Della; Biagioni, Paolo; Cattoni, Andrea; Longhi, Stefano; Cerullo, Giulio; Brida, Daniele Source: Springer Proceedings in Physics, v 162, p 679-682, 2015
 Database: Compendex
 Detailed | Show preview | Full Text | FIND IT AT NCHU!

可依照相關程度、日期、作者、文獻來源、出版者排序(預設為相關度); 在相同條件之下, 再依降冪或升冪規則排序

可同時勾選多篇文獻, 進行管理(E-mail/列印/下載書目資訊/存到我的資料夾/暫存)

文獻內容：詳細形式

Record 1 from Compendex for: ((nanoantennas) WN All fields) , 1969-2016

Check record to add to Selected Records

Accession number: 20152701008305

Title: Second harmonic generation from symmetric and asymmetric gold nanoantennas

Authors: Chen, Wei-Liang¹; Lin, Fan-Cheng²; Huang, Jer-Shing^{2, 3}; Chang, Yu-Ming¹

Author affiliation: ¹ Center for Condensed Matter Sciences, National Taiwan University, Taipei, Taiwan
² Department of Chemistry, National Tsing Hua University, Hsinchu, Taiwan
³ Frontier Research Center on Fundamental and Applied Sciences of Matters, National Tsing Hua University, Hsinchu, Taiwan

Corresponding author: Chang, Yu-Ming

Source title: CLEO: Applications and Technology, CLEO-AT 2015

Abbreviated source title: CLEO: Appl. and Technol., CLEO-AT 2015

Issue date: May 4, 2015

Publication year: 2015

Article number: JTU5A.75

Language: English

ISBN-13: 9781557529688

Document type: Conference article (CA)

Conference name: CLEO: Applications and Technology, CLEO-AT 2015

Conference date: May 10, 2015 - May 15, 2015

Conference location: San Jose, CA, United states

Publisher: Optical Society of America (OSA)

Abstract: We measure second harmonic generation (SHG) from symmetric and asymmetric gold nanoantennas and find that asymmetric antennas in fundamental bonding resonance with excitation can lead to four time SHG enhancement than that of symmetric nanoantennas. © 2015 OSA.

在Scopus中引用之文獻，
點選連至Scopus資料庫!

Tools in Scopus

Author details: View Author Details in Scopus.

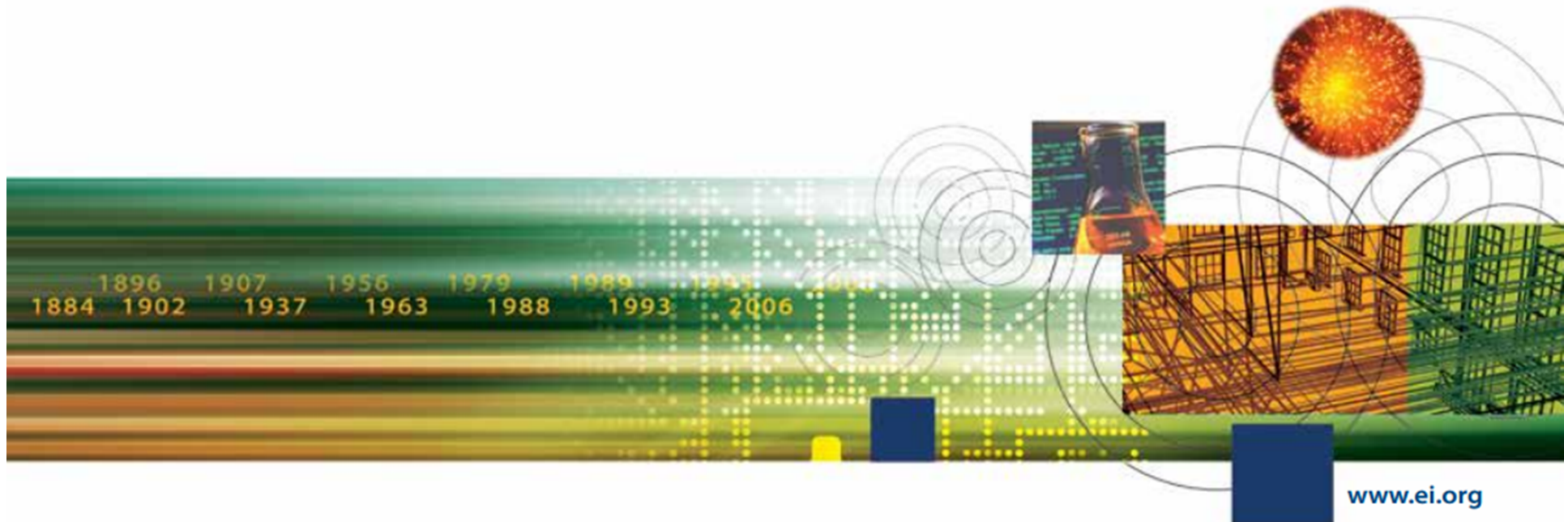
Chen, W.-L.
Lin, F.-C.
Huang, J.-S. [View All Authors](#)

[Learn more about Scopus](#)

Add a tag

Public

Save this on Delicious



Thesaurus Search – 索引典搜尋



索引典檢索：Thesaurus (Exact Term)

Quick Search Expert Search **Thesaurus Search**

可利用索引典：自動衍生工程專用同義詞彙

DATABASE Compendex
SEARCH FOR
 Search Exact Term Browse

EXACT TERM
Radiation

Broader Terms	Related Terms	Narrower Term
<input type="checkbox"/> Radiation	<input type="checkbox"/> Irradiation	<input type="checkbox"/> Cosmic rays
<input type="checkbox"/> Physics	<input type="checkbox"/> Radiation hazards	<input type="checkbox"/> Electromagnetic waves
	<input type="checkbox"/> Radiation protection	<input type="checkbox"/> Ionizing radiation
	<input type="checkbox"/> Radiation shielding	<input type="checkbox"/> Radiation effects
	<input type="checkbox"/> Radioactivity	<input type="checkbox"/> Radiation flux density
	<input type="checkbox"/> Radioactivity measurement	<input type="checkbox"/> Radiative transfer
	<input type="checkbox"/> Radiogenic gases	<input type="checkbox"/> Solar radiation
	<input type="checkbox"/> Radioisotope removal (water treatment)	
	<input type="checkbox"/> Waves	

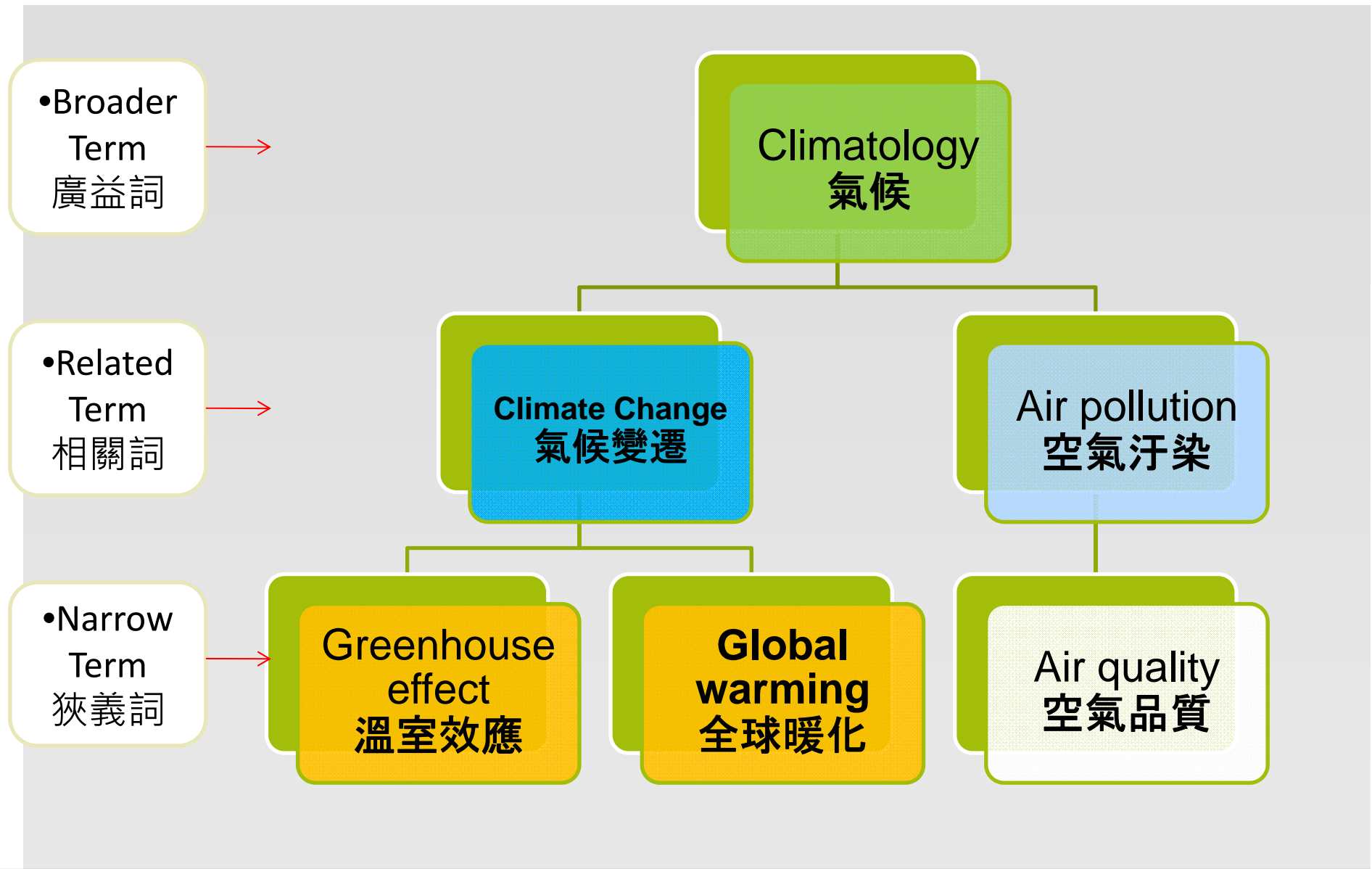
開啟上下位或相關詞彙& 自動組合多個詞彙以利合併檢索

LIMIT TO
All document types
All treatment types
All Languages
 1969 TO 2016
 1 Updates

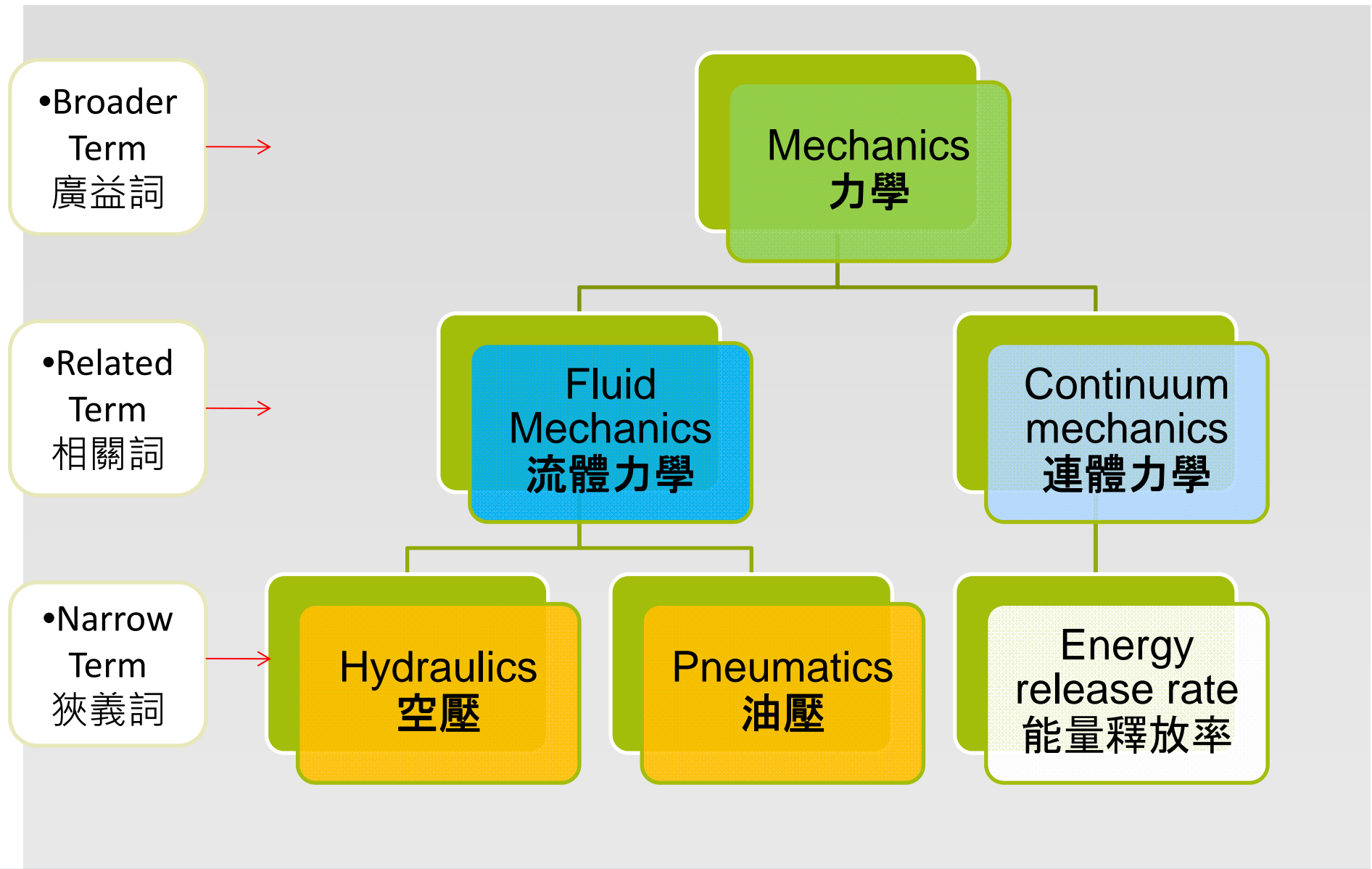
SEARCH BOX

COMBINE SEARCH WITH
 AND OR
SORT BY
 Relevance Date (Newest)

THESAURUS索引典



THESAURUS索引典



檢索歷史


結合檢索策略數字，利用布林邏輯結合查詢

Search history ⓘ

Combine Searches: SORT BY Relevance Publication year




Combine	Search	Results	Database	Delete
3. <input type="checkbox"/> <input checked="" type="checkbox"/>	("Lithium iron phos <input type="button" value="Query details"/>	551	Compendex	<input checked="" type="checkbox"/>
2. <input type="checkbox"/> <input checked="" type="checkbox"/>	((stress) WN All fiel <input type="button" value="Query details"/>	1,203,143	Compendex & Inspec	<input checked="" type="checkbox"/>
1. <input type="checkbox"/> <input checked="" type="checkbox"/>	((stress) WN All fields) <input type="button" value="Query details"/> <input type="button" value="Edit"/> <input type="button" value="Save Search"/> <input type="button" value="Create Alert"/>	1,203,143	Compendex & Inspec	<input checked="" type="checkbox"/>

[View Saved Searches](#)

 Query details : 顯示詳細檢索資訊

Type: Quick
 Years: 1884 - 2014
 Sort: Relevance
 Autostemming: On

Note: This Search history will contain the latest 50 searches you perform in this session.

-  點 Edit : 編輯搜尋指令
-  Save Search : 儲存檢索策略 (* 需要註冊個人帳號)
-  Create Alert : 建立e-mail新知通報 (* 需要註冊個人帳號)

點選檢索策略重新查詢或修正查詢

練習題目

- 利用工程安全相關詞彙(例如public safety)找到一篇2015年發表工程師如何設法盡量減少危險設施的設計災難潛伏期的文章: Taking responsibility for public safety: How engineers seek to minimize disaster in cubation in design of hazardous facilities,
- 其控制詞彙提及Design - Disasters - Hazards - Petrochemical plants - Standards外, 還有哪個控制詞彙呢?
 - A. Engineering standards
 - B. Social science research
 - C. Behavioral research