



Engineering Village 資料庫教育訓練

碩睿資訊 2021



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Engineering Village介紹與收錄內容

Engineering Village (簡稱EV)

由美國Elsevier Engineering Information Inc. 所出版，為一平台名稱，內含多個子庫，提供工程領域資訊的文獻索摘資料庫。

EV 包含資料庫

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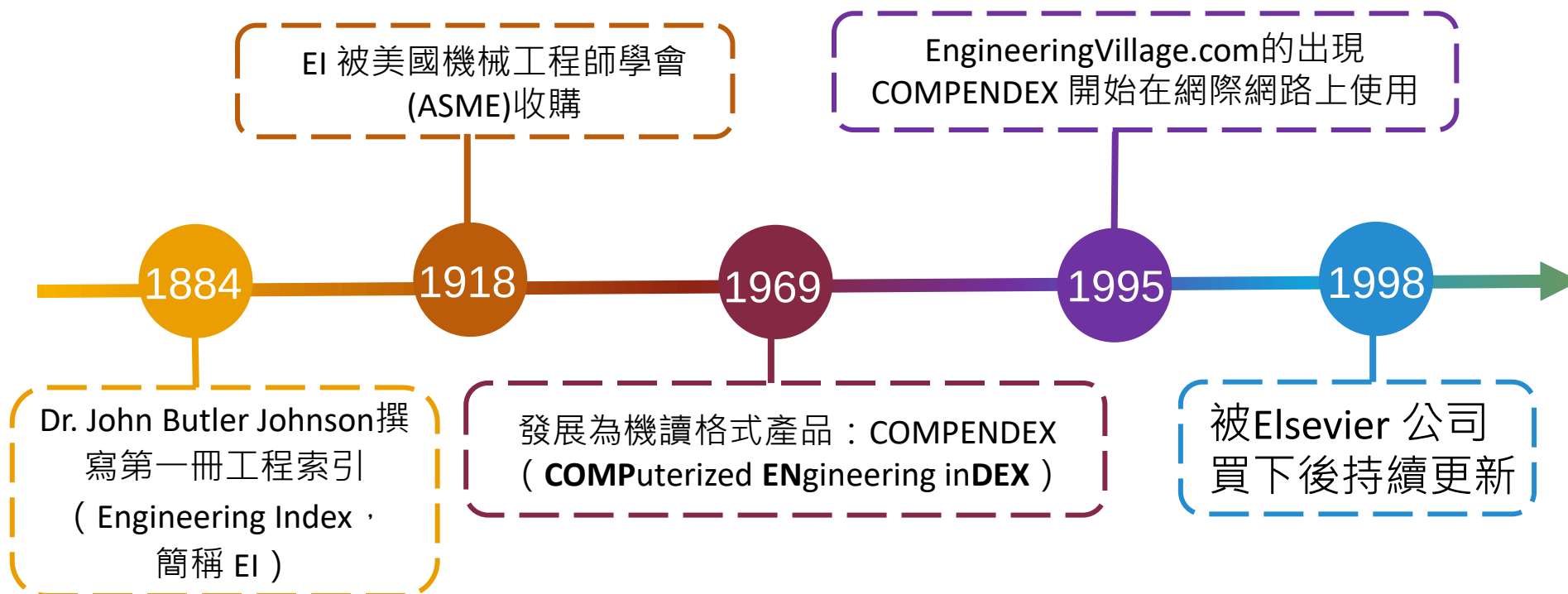
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Compendex 小故事

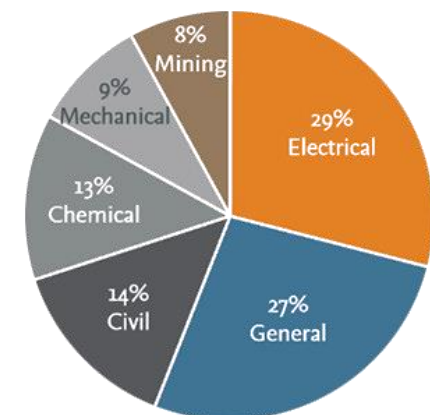


EI 為 COMPENDEX 前身，目前多以訂購 **COMPENDEX**為主

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Compendex

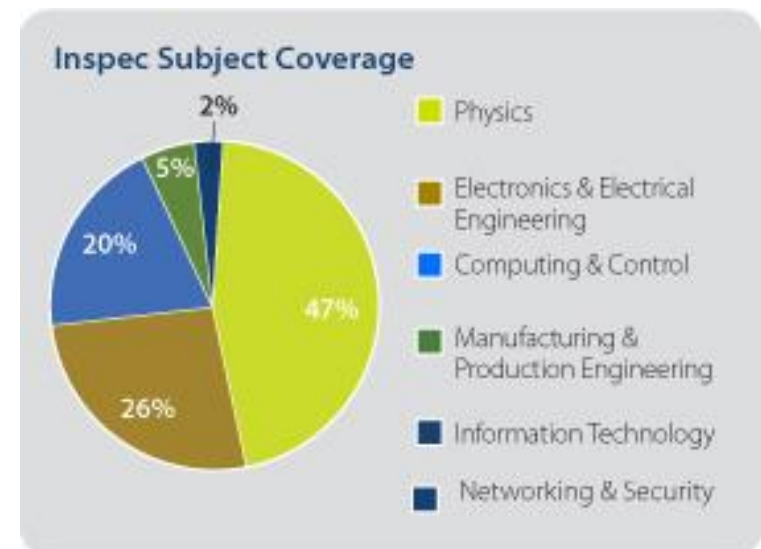
- 收錄年代：1969年至今
- 5,600多種工程研討會、期刊、商業雜誌、會議記錄和技術報告資料
- 資料量：超過 2200 萬筆，每年新增約 65 萬筆資料
- 包含 190 種工程領域學科，如：**化學工程**、**土木工程**、**礦業**、**機械工程**、**電子工程**、環境、結構、材料科學、固態物理學、超導體、生物工程學、能源、光學、空氣和水污染、固態廢棄物處理、道路運輸、運輸安全、應用工程、品質管理、工程管理等
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Ei Compendex cross-disciplinary areas

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- 收錄全球電子工程、電子學、物理學、控制工程、資訊科技、通訊學、電子計算機等科學文獻
- 從5000多種科學和技術性期刊、2500筆會議記錄中收錄超過1500萬筆書目摘要資料
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- **專家思維**：工程領域專家學者分類之控制詞彙
– Thesaurus 索引典
- **使用者思維**：自然語彙 – Tag 標籤
- **專業的專家檢索模式**：可自行輸入搜尋語法



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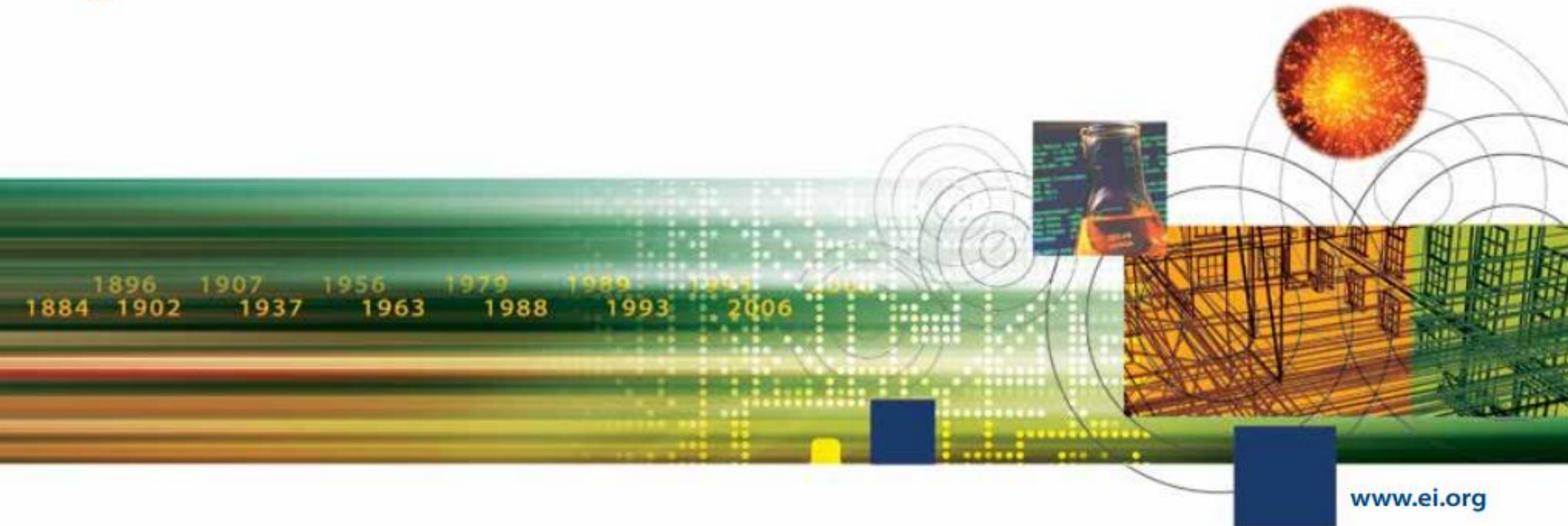
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Quick Search



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for e.g. (artificial intelligence OR intelligent computing) AND {social r



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增加搜尋欄位

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檢索結果後系統自動提供關聯關鍵詞

Quick search: All fields ☒ for artificial intelligence

Suggested terms: ?

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☐ Open Access

(29,035)

☐ Other

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Controlled vocabulary



☐ Artificial Intelligence

(233,863)

☐ Learning Systems

(60,081)

☐ Computer Science

(47,568)

1. ☐ Research and implementation of financial decision model based on artificial intelligence

Zhao, Desheng (Langfang Ploytechnic Institute, Hebei Langfang, China); Liu, Xiaoyu Source: *Agro Food Industry Hi-Tech*, v 28, n 3, p 2576-2579, May-June 2017

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2. ☐ English speech recognition based on artificial intelligence

Bai, Tana (Liren College, Yanshan University, China) Source: *Agro Food Industry Hi-Tech*, v 28, n 3, p 2259-2263, May-June 2017

Database: Compendex

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3. ☐ Developing artificial intelligence services that satisfy customer demands: moving forward with social implementation of corevo® technologies

(...ries, United Kingdom) Source: *NTT Technical Review*, v 16, n 8, p 7-11,

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文獻內容-摘要形式/文獻內容-詳細格式

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☐ Artificial Intelligence (233,863)

☐ Learning Systems (60,081)

☐ Computer Science (47,568)

☐ Computers (41,678)

☐ Neural Networks (40,197)

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Document type

☐ Conference article (639,855)

☒ Journal article (106,899)

☐ Conference proceeding (14,484)

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- ☐ **Research and implementation of financial decision model based on artificial intelligence**
Zhao, Desheng (Langfang Ploytechnic Institute, Hebei Langfang, China); Liu, Xiaoyu Sources: *Agro Food Industry Hi-Tech*, v 28, n 3, p 2576-2579, May-June 2017
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- ☐ **English speech recognition based on artificial intelligence**
Bai, Tana (Liren College, Yanshan University, China) Sources: *Agro Food Industry Hi-Tech*, v 28, n 3, p 2259-2263, May-June 2017
Databases: Compendex
Document type: Journal article (JA)
Detailed Show preview [v](#)
- ☐ **20-kbit associative memory LSI for artificial intelligence machines**
Ogura, Takeshi (NTT LSI Lab, Atsugi, Jpn); Yamada, Junzo; Yamada, Shin-Ichiro; Tan-No, Masa-Aki Sources: *IEEE Journal of Solid-State Circuits*, v 24, n 4, p 1014-1020, Aug 1989
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Document type: Journal article (JA)
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- ☐ **Artificial intelligence techniques for driving safety and vehicle crash prediction**
Halim, Zahid (Faculty of Computer Sciences and Engineering, Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, Topi, Pakistan);
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By category

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- ☐ Open Access (8,352)
- ☐ Other (98,547)

Controlled vocabulary



- ☐ Artificial Intelligence (45,910)
- ☐ Learning Systems (11,667)
- ☐ Neural Networks (9,185)
- ☐ Decision Support Systems (6,551)
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1. ☐ Research and implementation of financial

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2. ☐ English speech recognition based on artificial intelligence

Bai, Tana (Liren College, Yanshan University, China) Source: *Agro Food Industry Hi-Tech*, v 28, n 3, p 2259-2263, May-June 2017

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3. ☐ Developing artificial intelligence services that satisfy customer demands: Moving forward with social implementation of corevo® technologies

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Database: Compendex

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4. ☐ 20-kbit associative memory LSI for artificial intelligence machines

Ogura, Takeshi (NTT LSI Lab, Atsugi, Jpn); **Yamada, Junzo**; **Yamada, Shin-Ichiro**; **Tan-No, Masa-Aki** Source: *IEEE Journal of Solid-State Circuits*, v 24, n 4, p 1014-1020, Aug 1989

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☐ **Artificial intelligence** techniques for small boats detection in radar clutter. Real data validation (Open Access)

del-Rey-Maestre, Nerea ¹ ✉; Moya, David ¹ ✉; Jarabo-Amores, María-Pilar ¹ ✉; Gomez-del-Hoyo, Pedro-Jose ¹ ✉; Barcena-Humanes, Jose

Source: Engineering Applications of Artificial Intelligence, 2018, ISSN: 0952-1976; DOI: 10.1016/j.engai.2018.05.001

Author affiliation: ¹ Department of Signal Theory and Communications, Superior Polytechnic School, University of Alcalá, 28805 Alcalá de Henares, Madrid, Spain

Abstract: Artificial intelligence techniques were applied for detecting small moving targets in maritime clutter. A constrained Generalized Likelihood Ratio (CGLR) approach based on the Neyman-Pearson (NP) in conjunction with a Generalized Likelihood Ratio (GLR) approach based on the Constrained Generalized Likelihood Ratio (CGLR) was compared to conventional implementations based on Doppler filter bank and CGLR. The proposed approach improves the Signal-to-Interference Ratio, and Constant False Alarm Rate techniques. The CGLR performance was significantly better at the expense of a high computational cost. As a solution, neural network training sets were designed for approximating the NP detector. The detection of small boats in Gaussian clutter was the defined case study in order to assume the design hypothesis of the conventional solutions and to study their performance under their most favourable conditions. Detection schemes were evaluated using real radar data. Neural solutions based on Second Order Neural Networks provide the best results, being able to approximate the CGLR with a significantly low computational cost compatible with real-time operations.
 © 2017 The Authors (43 refs)

Main heading: Tracking radar

Controlled terms: Artificial intelligence - Boats - Clutter (information theory) - Neural networks - Radar clutter - Radar signal processing

Uncontrolled terms: Artificial intelligence techniques - Composite hypothesis testing - Constant false alarm rate techniques - Generalized likelihood ratio - Neural network training - Radar detection - Real-data validation - Signal to interference ratio

Classification code: 674.1 Small Marine Craft - 716.1 Information Theory and Signal Processing - 716.2 Radar Systems and Equipment - 723.4 Artificial Intelligence

可至原文原下載路徑，全文取得仍以單位訂購範圍為主

快速切換摘要、詳細資訊及參考文獻

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Journals

MIMO radar clutter mitigation based on joint beamforming and joint domain localized processing
 Li, Huiyong ; Li, Yongzhe ; He, Zishu (2013) *Eurasip Journal on Wireless Communications and Networking*
 Database: Compendex

Airborne Bistatic Radar Clutter Suppression Based on Sparse Bayesian Learning
 Lü, Xiaode ; Yang, Lingman ; Yue, Qi... (2018) *Journal of Electronics and Information Technology*
 Database: Compendex

Local degrees of freedom of airborne array radar clutter for STAP
 Zenghui, Zhang ; Wenchong, Xie ; ... (2009) *IEEE Geoscience and Remote Sensing Letters*
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E-mail：主要作者聯絡資訊
ISSN：找到更多關於這本刊的文章

Abstract：文章內容摘要

Main heading：主要主題

Controlled term：索引詞彙標準

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☐ **Artificial intelligence** techniques for small boats detection in radar clutter. Real data validation (Open Access)

Accession number: 20174504373485

Authors: del-Rey-Maestre, Nerea¹ ✉; Mata-Moya, David¹ ✉; Jarabo-Amores, María-Pilar¹ ✉; Gomez-del-Hoyo, Pedro-Jose¹ ✉; Barcena-Humanes, Jose-Luis¹ ✉

Author affiliation: ¹ Department of Signal Theory and Communications, Superior Polytechnic School, University of Alcalá, 28805 Alcalá de Henares, Madrid, Spain

Corresponding author: Mata-Moya, David (david.mata@uah.es)

Source title: Engineering Applications of Artificial Intelligence

Abbreviated source title: Eng Appl Artif Intell

Volume: 67

Issue date: January 2018

Publication Year: 2018

Pages: 296-308

Language: English

ISSN: 09521976

CODEN: EAAIE6

Document type: Journal article (JA)

Publisher: Elsevier Ltd

Abstract: Artificial intelligence techniques were applied for detecting small moving targets in maritime clutter environments. Neural detectors are considered to approximate the Neyman–Pearson (NP) in composite hypothesis testing problems. Sub-optimum approaches based on the Constrained Generalized Likelihood Ratio (CGLR) were analysed, and compared to conventional implementations based on Doppler filtering that are designed to filter clutter and improve the Signal-to-Interference Ratio, and Constant False Alarm Rate techniques. The CGLR performance was significantly better at the expense of a high computational cost. As a solution, neural network training sets were designed for approximating the NP detector. The detection of small boats in Gaussian clutter was the defined case study in order to assume the design hypothesis of the conventional solutions and to study their performance under their most favourable conditions. Detection schemes were evaluated using real radar data. Neural solutions based on

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Author affiliation: ¹ Department of Signal Theory and Communications, Superior Polytechnic School, University of Alcalá, 28805 Alcalá de Henares, Madrid, Spain

Corresponding author: Mata-Moya, David (david.mata@uah.es)

Source title: Engineering Applications of **Artificial Intelligence**

Abbreviated source title: Eng Appl Artif Intell

Volume: 67

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Language: English

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Publisher: Elsevier Ltd

Abstract: **Artificial intelligence** techniques were applied for detecting small moving targets in maritime clutter environments. Neural detectors are considered to approximate the Neyman-Pearson (NP) in composite hypothesis testing problems. Sub-optimum approaches based on the Constrained Generalized Likelihood Ratio (CGLR) were analysed, and compared to conventional implementations based on Doppler filtering that are designed to filter clutter and improve the Signal-to-Interference Ratio, and Constant False Alarm Rate techniques. The CGLR performance was significantly better at the expense of a high computational cost. As a solution, neural network training sets were designed for approximating the NP detector. The detection of small boats in Gaussian clutter was the defined case study in order to assume the design hypothesis of the conventional solutions and to study their performance under their most favourable conditions. Detection schemes were evaluated using real radar data. Neural solutions based on Second Order Neural Networks provide the best results, being able to approximate the CGLR with a significantly low

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MIMO radar clutter mitigation based on joint beamforming and joint domain localized processing
Li, Huiyong ; Li, Yongzhe ; He, Zishu (2013) *Eurasip Journal on Wireless Communications and Networking*
Database: Compendex

Airborne Bistatic Radar Clutter Suppression Based on Sparse Bayesian Learning
Lü, Xiaode ; Yang, Jingmao ; Yue, Qi ; Zh... (2018) *Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology*
Database: Compendex

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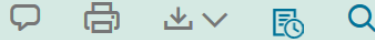
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Author details:

del-Rey-Maestre, N...

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☐ Artificial intelligence techniques for small boats detection in radar clutter. Real data validation [\(Open Access\)](#)

del-Rey-Maestre, Nerea (Department of Signal Theory and Communications, Superior Polytechnic School, University of Alcalá, 28805 Alcalá de Henares, Madrid, Spain); **Mata-Moya, David**; **Jarabo-Amores, María-Pilar**; **Gomez-del-Hoyo, Pedro-Jose**;

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1. **A new learning algorithm for blind signal separation**
Amari, S.; **Cichoki, A.**; **Yang, H.**
Adv. Neural Inf. Process. Syst., v 10, p 1351-1435, **1996**
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Aref, M.
p 1-260, **1994**
3. **Neural Networks for Pattern Recognition**
Bishop, C.
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4. **Small-target detection in high-resolution heterogeneous sea-clutter: An empirical analysis**
Carretero-Moya, J.; **Gismero-Menoyo, J.**; **Asensio-Lopez, A.**; **del Campo, A.B.**
IEEE Trans. Aerosp. Electron. Syst., v 47, n 3, p 1880-1898, **2011**
5. **[No title available]**
Cheikh, K.
p 100-103, **2011**

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Journals

MIMO radar clutter mitigation via joint beamforming and joint localized processing

Li, Huiyong; **Li, Yongzhe**; **H...**
(2013) *Eurasip Journal on Wireless Communications and Network*
Database: Compendex

Airborne Bistatic Radar Clutter Suppression Based on Sparse Learning

Lü, Xiaode; **Yang, Jingmao**; **...**
(2018) *Dianzi Yu Xinxi Xuebao*
Electronics and Information Technology Feedback
Database: Compendex

Local degrees of freedom of array radar clutter for STAP

Zenghui, Zhang; **Wenchong, ...**
(2009) *IEEE Geoscience and Remote Sensing Letters*
Database: Compendex

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文獻加值內容：PlumX Metrics

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PlumX Metrics



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☐ **Artificial intelligence** techniques for small boats detection in radar clutter. Real data validation [\(Open Access\)](#)

Accession number: 20174504373485

Authors: del-Rey-Maestre, Nerea ¹ ; Mata-Moya, David ¹ ; Jarabo-Amores, María-Pilar ¹ ; Gomez-del-Hoyo, Pedro-Jose ¹ ; Barcena-Humanes, Jose-Luis ¹ 

Author affiliation: ¹ Department of Signal Theory and Communications, Superior Polytechnic School, University of Alcalá, 28805 Alcalá de Henares, Madrid, Spain

Corresponding author: Mata-Moya, David (david.mata@uah.es)

Source title: Engineering Applications of **Artificial Intelligence**

Abbreviated source title: Eng Appl Artif Intell

Volume: 67

Issue date: January 2018

Publication Year: 2018

Pages: 296-308

Language: English

ISSN: **09521976**

CODEN: **EAAIE6**

Document type: Journal article (JA)

Publisher: Elsevier Ltd

Abstract: **Artificial intelligence** techniques were applied for detecting small moving targets in maritime clutter environments. Neural detectors are considered to approximate the Neyman–Pearson (NP) in composite hypothesis testing problems. Sub-optimum approaches based on the Constrained Generalized Likelihood Ratio (CGLR) were analysed, and compared to conventional implementations based on Doppler filtering that are designed to filter clutter and improve the Signal-to-Interference Ratio, and Constant False Alarm Rate techniques. The CGLR performance was significantly better at the expense of a high computational cost. As a solution, neural network training sets were designed for approximating the NP detector. The detection of small boats in Gaussian clutter was the defined case study in order to assume the design hypothesis of the conventional solutions and to study their performance under their most favourable conditions. Detection schemes were evaluated using real radar data. Neural solutions based on Second Order Neural Networks provide the best results, being able to approximate the CGLR with a significantly low

Related Documents

Journals

MIMO radar clutter mitigation based on joint beamforming and joint domain localized processing
Li, Huiyong ; Li, Yongzhe ; He, Zishu (2013) *Eurasip Journal on Wireless Communications and Networking*
Database: Compendex

Airborne Bistatic Radar Clutter Suppression Based on Sparse Bayesian Learning
Lü, Xiaode ; Yang, Jingmao ; Yue, Qi ; Zh... (2018) *Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology*
Database: Compendex

Local degrees of freedom for airborne array radar clutter for SIAP
Zenghui, Zhang ; Wenchong, Xie ; Weid... (2009) *IEEE Geoscience and Remote Sensing Letters*
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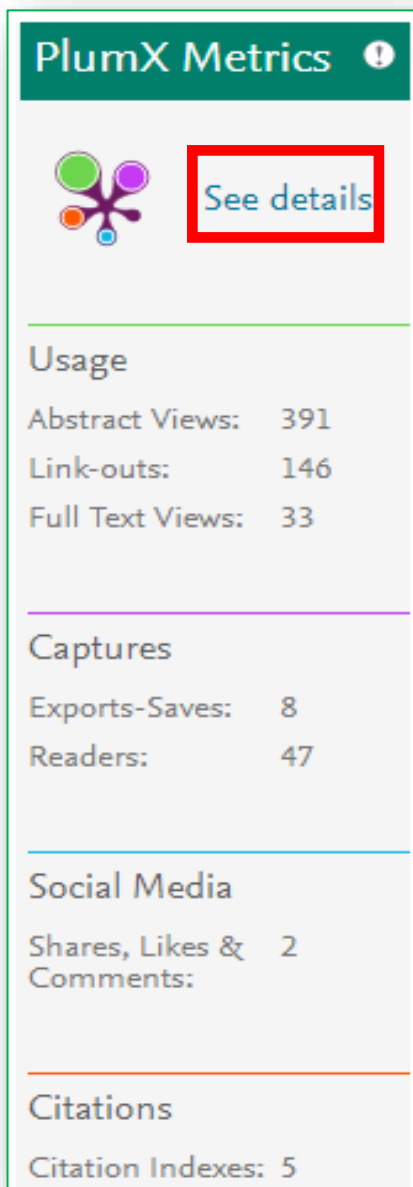
Tools in Scopus

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Author details:

del-Rey-Maestre, N

文獻加值內容：PlumX Metrics



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文獻加值內容：PlumX Metrics



Artificial intelligence techniques for driving safety and vehicle crash prediction

Citation data: Artificial Intelligence Review, ISSN: 0269-2821, Vol: 46, Issue: 3, Page: 351-387
Publication Year: 2016

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EBSCO	33	EBSCO	8				

ARTICLE SUMMARY

DOI:

10.1007/s10462-016-9467-9

AUTHOR(S):

Zahid Halim; Rizwana Kalsoom; Shariq Bashir; Ghulam Abbas

PUBLISHER(S):

Springer Nature

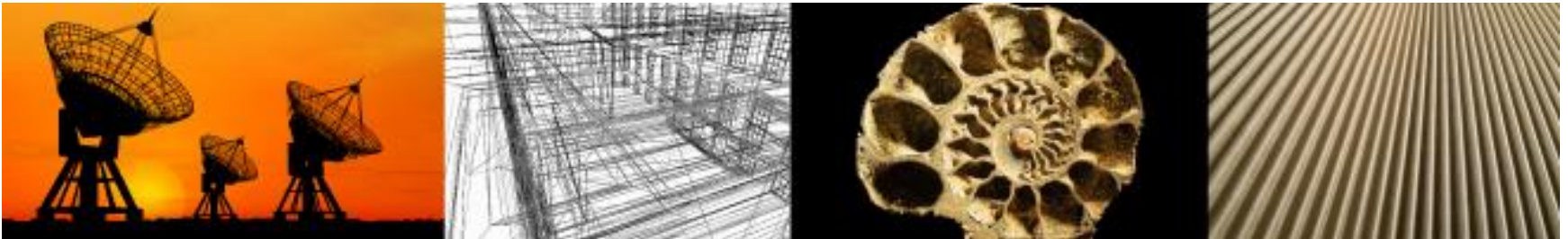
TAGS:

ARTICLE DESCRIPTION

Accident prediction is one of the most critical aspects of road safety, whereby an accident can be predicted before it actually occurs and precautionary measures taken to avoid it. For this purpose, accident prediction models are popular in road safety analysis. Artificial intelligence (AI) is used in many real world applications, especially where outcomes and data are not same all the

點按Detail可查看各指標詳細資訊，包含各種來源及詳細次數，下方亦有此article的簡易資訊

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1 of 47,640 pages >

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☐ Journal article (261,188)



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Research Progress and Application of Computer Artificial Intelligence Technology

Jin Wei (Northwestern Polytech. Univ. Ming De Coll., Xi'an, China) Source: MATEC Web of Conferences, v 176, p 01043 (5 pp.), 2018

Database: Inspec

Document type: Conference article (CA)

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Artificial Intelligence and Modern Home Design

Jialu Song; Yifei Li Source: MATEC Web of Conferences, v 227, p 02004 (5 pp.), 2018

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Brain intelligence: go beyond artificial intelligence

Huimin Lu (Kyushu Inst. of Technol., Kita

Applications, v 23, n 2, p 368-75, April 2018

Database: Inspec

Document type: Journal article (JA)

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Discussion About Artificial Intelligence

Xiaofei Teng (High Sch. Affiliated, Renmin

Database: Inspec

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The Uncertain Future of Artificial Intelligence

Dasoriya, R. (Dept. of Comput. Eng., SVKMs NMIMS Mukesh Patel Sch. of Technol. Manage. & Eng., Mumbai, India); Rajpopat, J.; Jamar, R.; Maurya, M. Source: 2018 8th International Conference on Cloud Computing, Data Science & Engineering (Confluence), p 458-61, 2018

Database: Inspec

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Author

☐ Wang, Wei (675)

☐ Liu, Yang (537)

☐ Wang, Lei (501)

☐ Li, Li (493)

☐ Zhang, Lei (486)

View more

Author affiliation

☐ Microsoft Research (2,466)

☐ Carnegie Mellon University (1,684)

☐ University of California (1,663)

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Author

☐ Wang, Wei (675)

☐ Liu, Yang

☐ Wang, Lei

☐ Li, Li

☐ Zhang, Li

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☐ Microsoft

☐ Carnegie University

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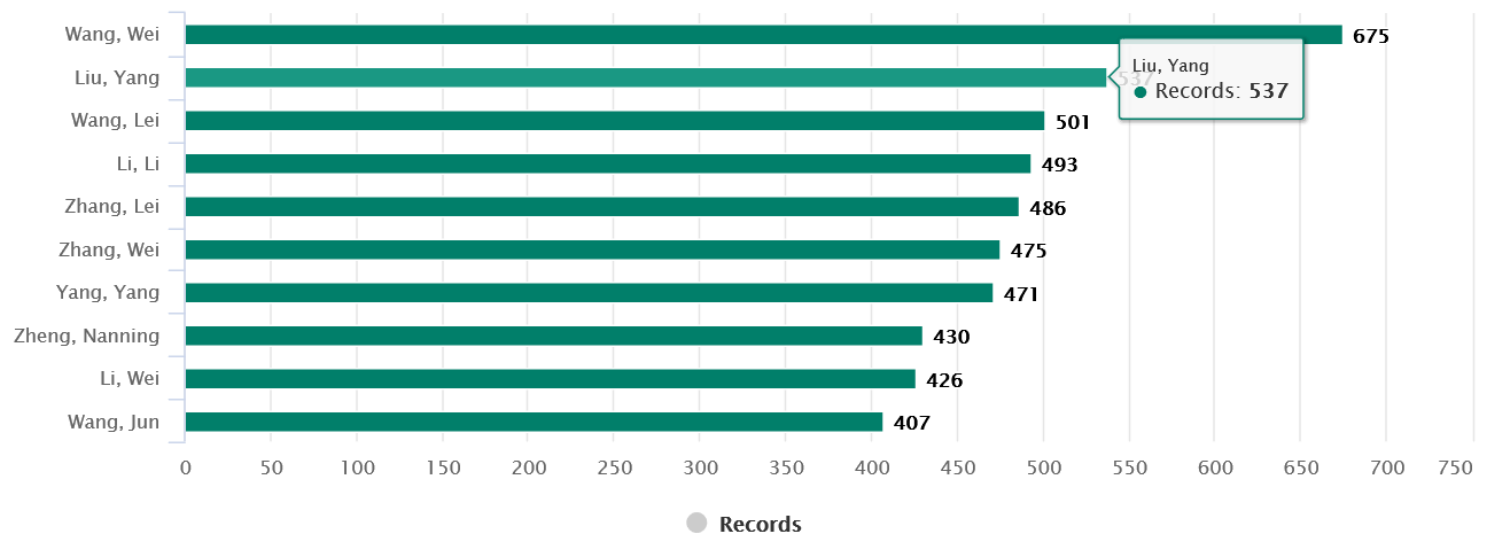
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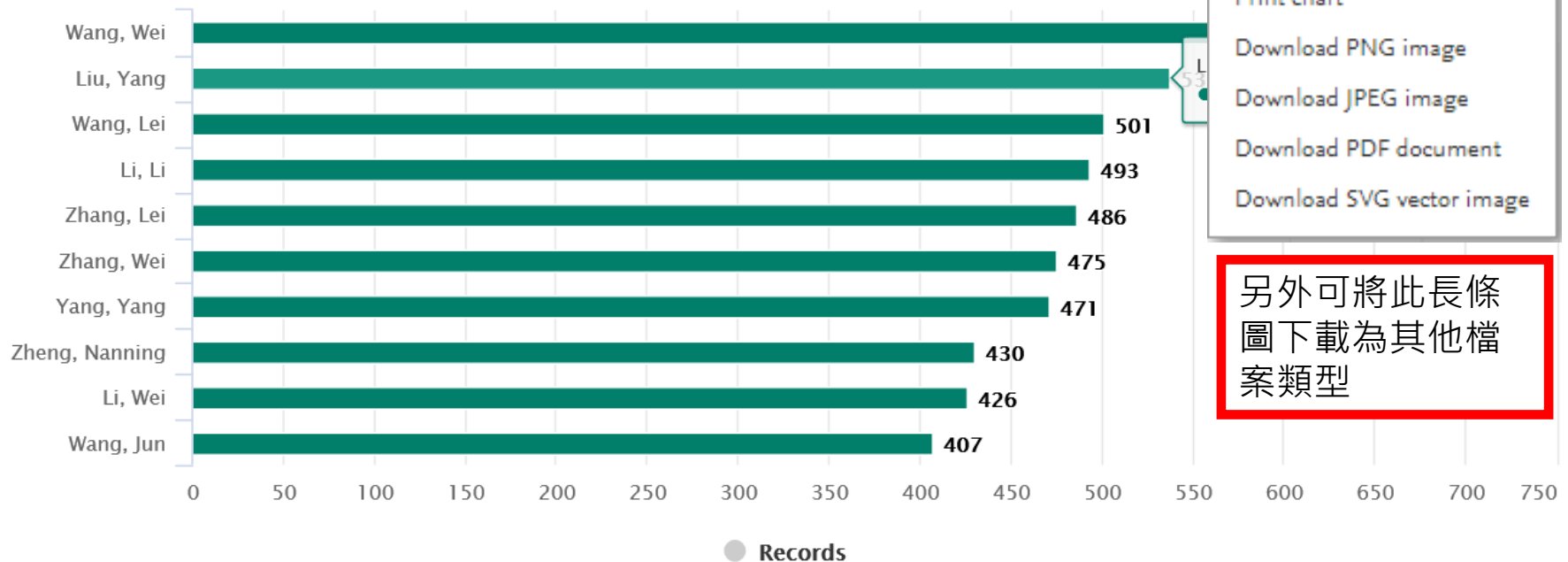
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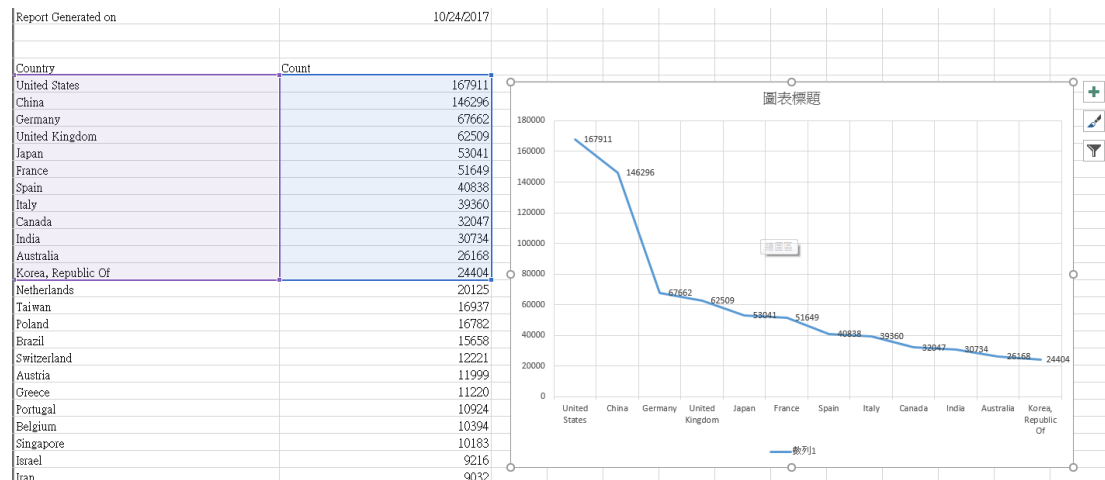
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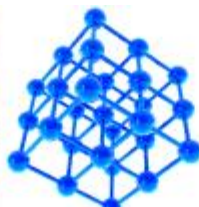
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Abstract

Detailed

☐ Artificial intelligence research in the second half century

Nishida, T. ¹

Source: *Journal of Information Processing and Management*, v 55, n 7, 461-71, Oct. 2012; **Language:** Japanese; **ISSN:** 0021-7298; **DOI:** 10.1241/johokanri.55.461; **Publisher:** Japan Science and Technology Corp., Japan

Author affiliation : ¹ Grad. Sch. of Inf., Kyoto Univ., Kyoto, Japan

Abstract: Artificial intelligence research has almost completed its first stage from 1950's to today and now is proceeding to the second stage. In order to discuss the features of artificial intelligence research in the second stage, I first overview the flow of artificial intelligence research in the past and point out that the prominent contributions were a large scale search, knowledge-based system, language-speech-image processing, planning, machine learning and data mining, and amalgam of artificial intelligence and art. Then, I argue that our future target should be not just implementing high-level problem solving, but also designing communicative intelligence that will induce the user's deep empathy for integrating the human intelligence with artificial intelligence to create the intelligent future world. (14 refs.)

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Treatment: Theoretical or Mathematical (THK)

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properties Electronic cooling Electr

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Informatics information literacy Information Visualization Lead Free solder Mach number Mach numbers Matric suction Microchannels Microfluidics Modeling My Nanoparticles
Ni Chen Noise sources Numerical modeling Oil Spills Paper Ontology Optical Burst Switching OBS Optical networks Performance analysis Photonic crystal Photonic crystal fibers
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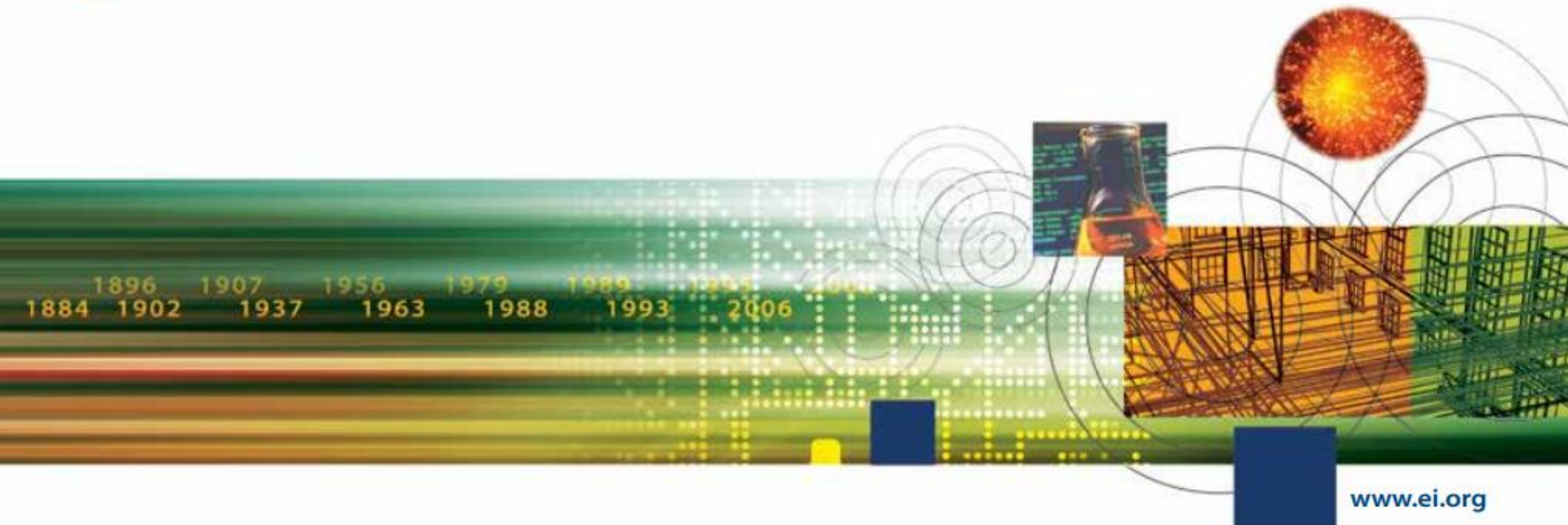
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Search for:

Eg.:smith wn AU and ("autonomous navigation" or radar)*



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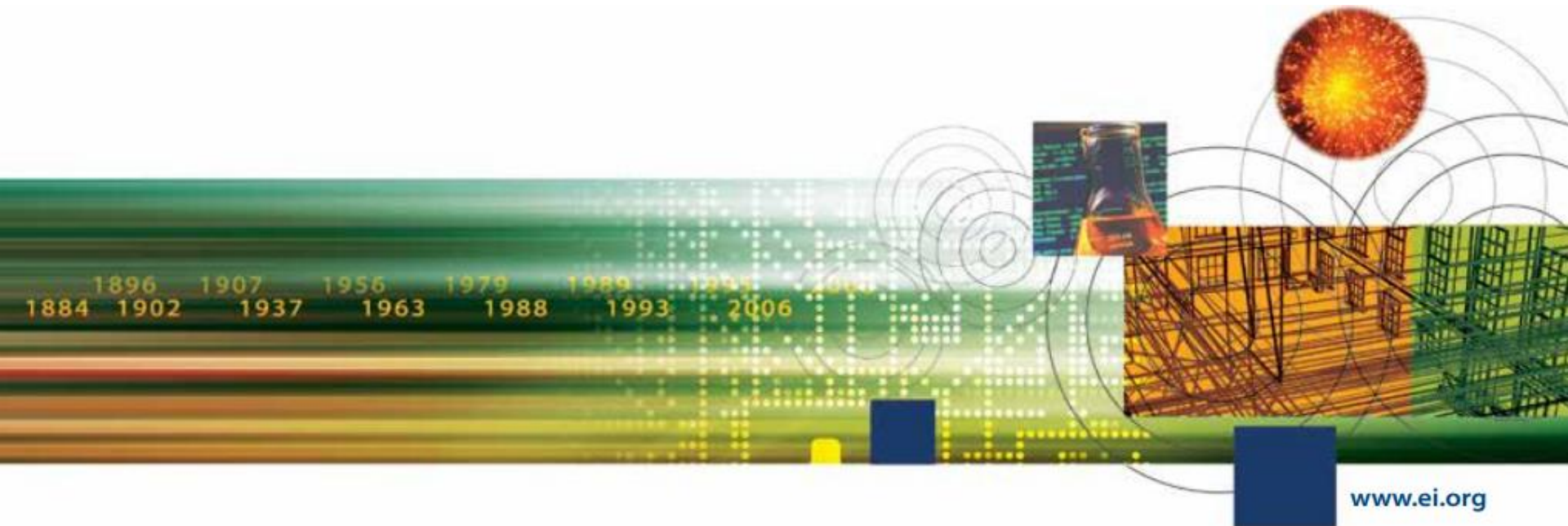
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i = Inspec

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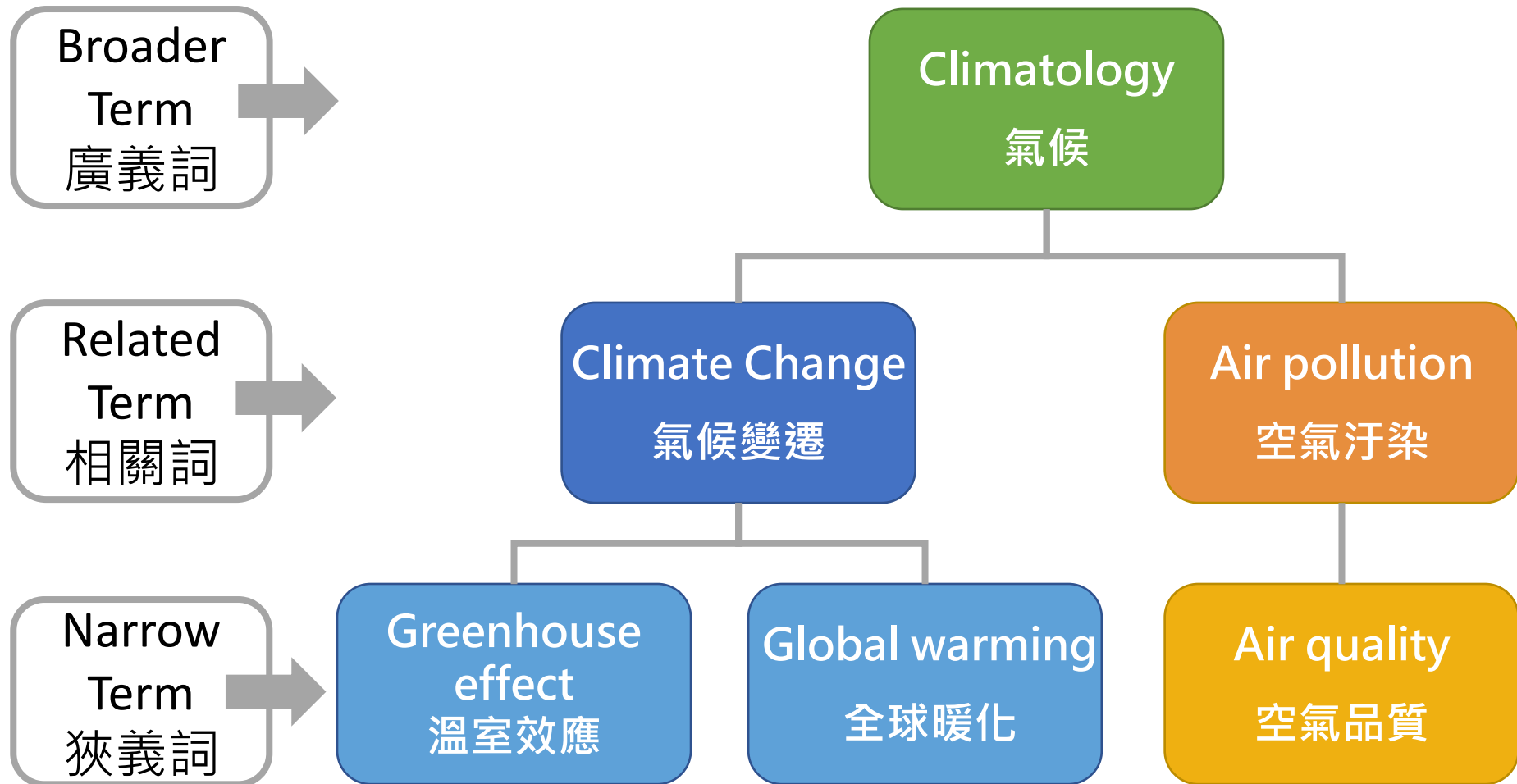


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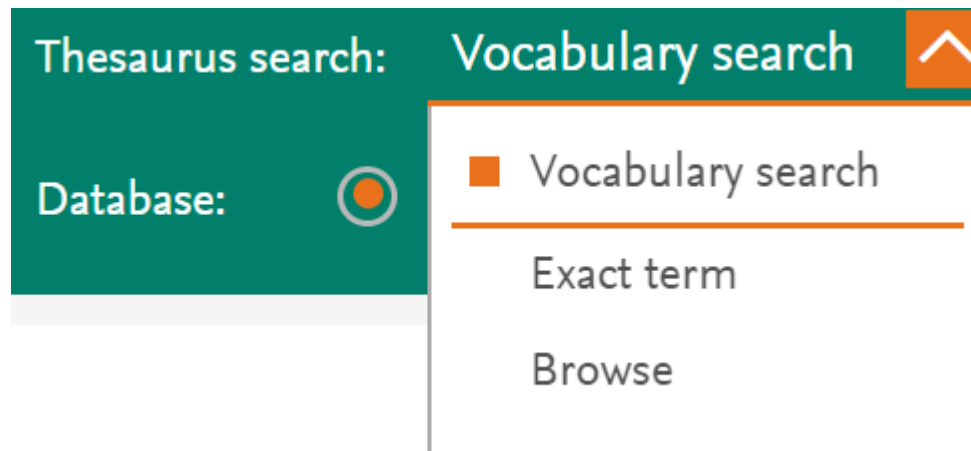
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Exact Term

顯示該詞彙階層關係

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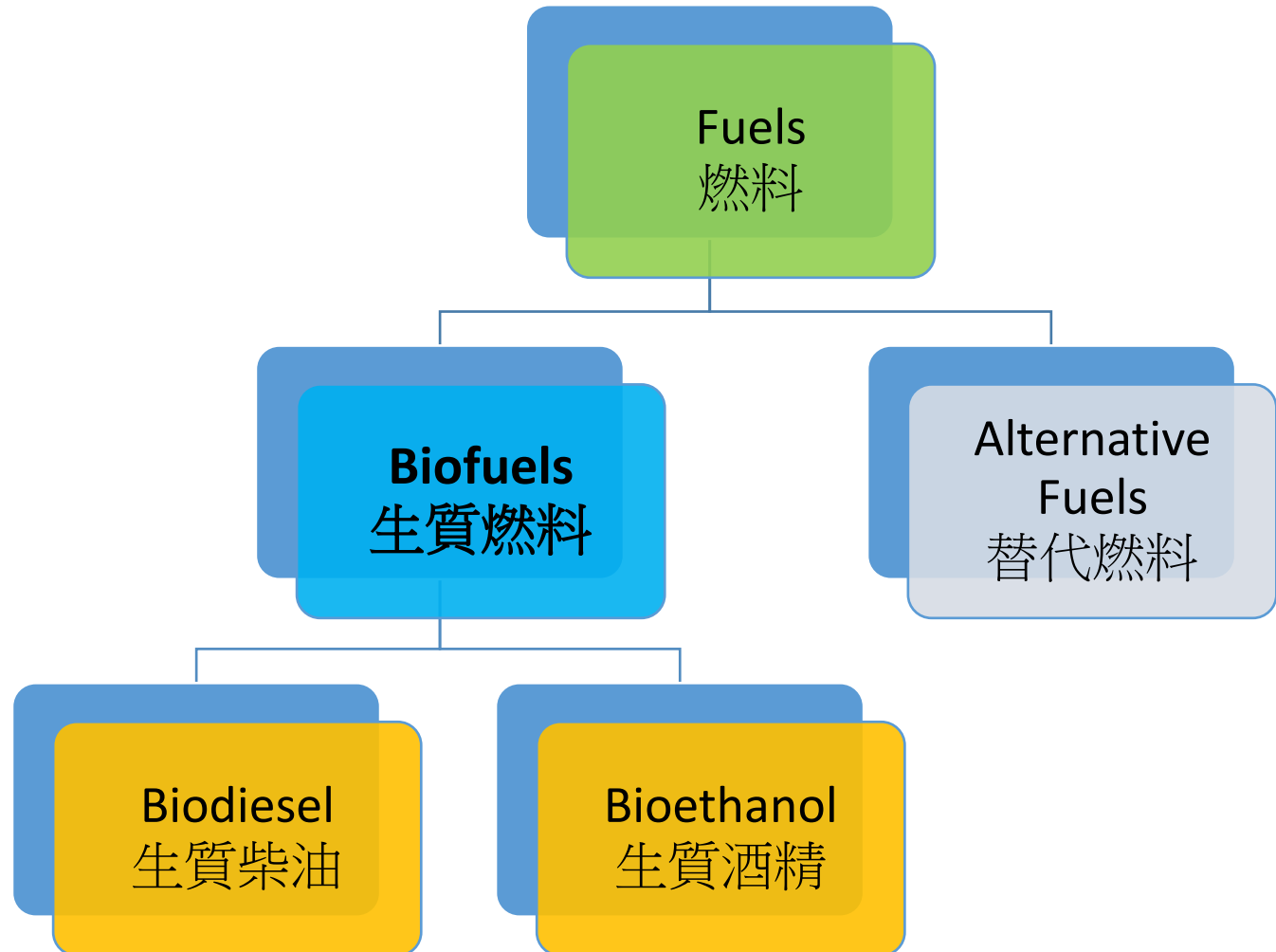
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Engineering School Profile

可利用索引典：自動衍生
工程專用同義詞彙

Browse term results ^

radiation

Term

☐ Radial flow turbomachinery☐ Radial tires☐ Radiant heating☐ Radiation*Radiation (heat)*

Term

Radiation accidents☐ Radiation belts☐ Radiation chemistry☐ Radiation counters☐ Radiation damageSelect term by using the
checkboxes or find additional
terms by clicking on the term...☐ AND
☒ OR

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符合索引典字典的關鍵詞

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for radiation

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156 matching terms ^

radiation

1 of 16 >

Term

- ☐ Accelerator shielding
- ☐ Aircraft--Radiation hazards*
- ☐ Antenna radiation
- Antenna radiation patterns*
- ☐ Antennas

Term

- ☐ Antennas--Radiation*
- ☐ Atmospheric radiation
- ☐ Atmospheric thermodynamics
- Biological effects of radiation*
- ☐ Biological radiation effects

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Thesaurus search

Exact term ▾



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Exact term results ^

radiation

☐ Radiation

Broader terms

☐ Physics

Related terms

- ☐ Irradiation
- ☐ Radiation hazards
- ☒ Radiation protection
- ☐ Radiation shielding
- ☐ Radioactivity
- ☐ Radioactivity measurement
- ☐ Radiogenic gases
- ☐ Radionuclides

Narrower terms

- ☐ Cosmic rays
- ☒ Electromagnetic waves
- ☐ Ionizing radiation
- ☐ Radiation effects
- ☐ Radiation flux density
- ☐ Radiative transfer
- ☐ Solar radiation

Selected term(s) >

Radiation protection ×

Electromagnetic waves ×

☐ AND☒ OR

利用Exact term檢索關鍵字，可查索引典字典有廣義、狹義、關聯的關鍵詞

索引典檢索：Thesaurus (Exact Term)



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Thesaurus search: Exact term ▾ for radiation

Search index 🔍

Database: ☒ Compendex ☐ Inspec ☐ GeoRef ☐ GEOBASE ☐ EnCompass

Exact term results ^

radiation

☐ Radiation 📄

Broader terms

☐ Physics

Related terms

- ☐ Irradiation
- ☐ Radiation hazards
- ☒ Radiation protection
- ☐ Radiation shielding
- ☐ Radioactivity
- ☐ Radioactivity measurement
- ☐ Radiogenic gases
- ☐ Radiolysis

Narrower terms

- ☐ Cosmic rays
- ☒ Electromagnetic waves
- ☐ Ionizing radiation
- ☐ Radiation effects
- ☐ Radiation flux density
- ☐ Radiative transfer
- ☐ Solar radiation

Selected term(s) >

Radiation protection ✕

Electromagnetic waves ✕

☐ AND
☒ OR

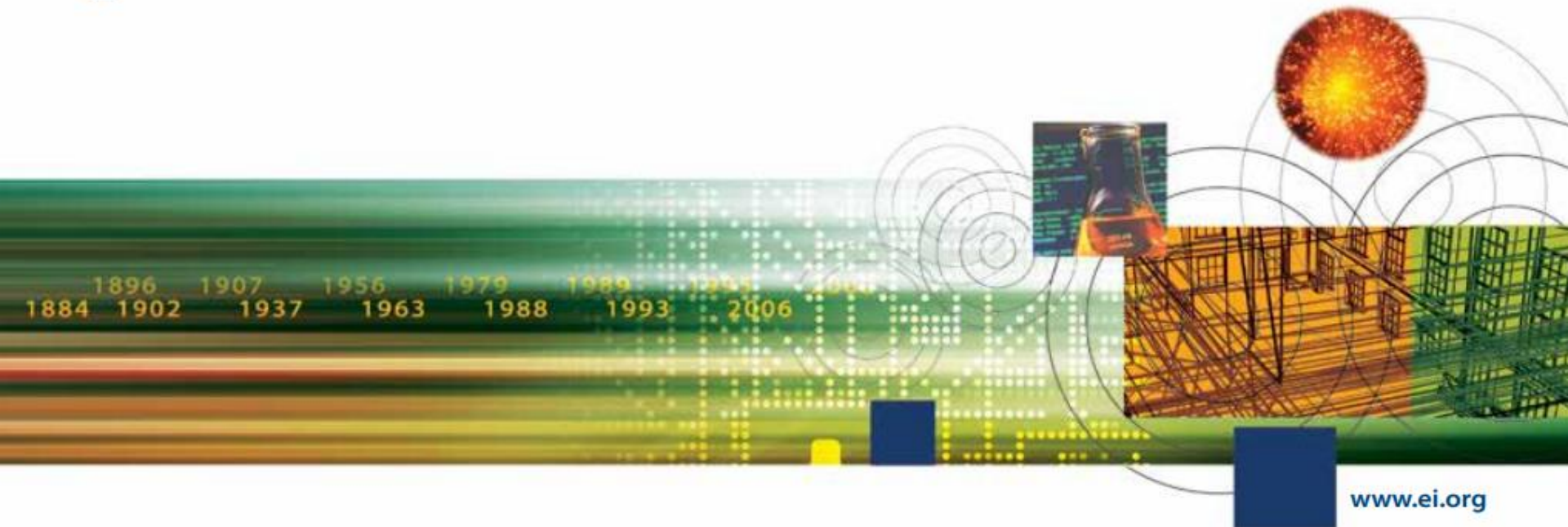
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開啟上下位或相關詞彙& 自動組合多個詞彙以利合併檢索

Thesaurus Search - 索引典搜尋

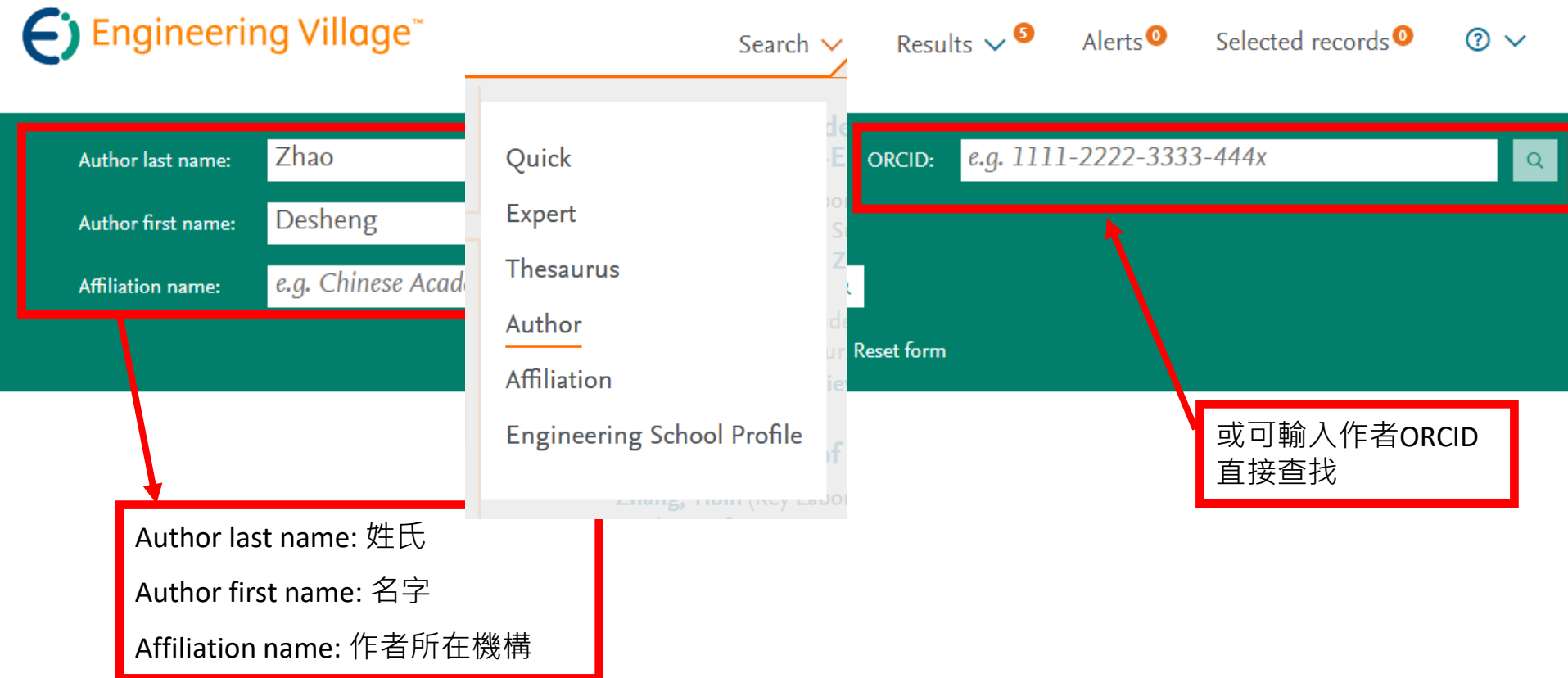


www.ei.org

Author Search – 作者搜尋



Author Search – 作者檢索(直接查詢作者所著文章)



The screenshot shows the Engineering Village Author Search interface. The top navigation bar includes the Engineering Village logo, a 'Search' dropdown menu, and links for 'Results' (5), 'Alerts' (0), and 'Selected records' (0). The main search area is divided into two sections. The left section contains three input fields: 'Author last name' with the value 'Zhao', 'Author first name' with the value 'Desheng', and 'Affiliation name' with the placeholder 'e.g. Chinese Acad'. The right section contains an 'ORCID' input field with the placeholder 'e.g. 1111-2222-3333-444x' and a search button. A red box highlights the left section, and a red arrow points from it to a text box below. Another red box highlights the ORCID input field, and a red arrow points from it to a text box below. A central dropdown menu is open, showing options: 'Quick', 'Expert', 'Thesaurus', 'Author' (selected), 'Affiliation', and 'Engineering School Profile'.

Author last name: Zhao

Author first name: Desheng

Affiliation name: e.g. Chinese Acad

ORCID: e.g. 1111-2222-3333-444x

Reset form

Quick

Expert

Thesaurus

Author

Affiliation

Engineering School Profile

Author last name: 姓氏

Author first name: 名字

Affiliation name: 作者所在機構

或可輸入作者ORCID
直接查找

Author Search – 作者檢索(查詢作者所著文章)

8 author results in Compendex for Last name: "Zhao", First name: "Desheng"

1 of 1 pages

Display: 25 results per page

Sort by: Count (DESC)

Refine	Name	Subject area	Affiliation name	City	Country
By category Limit to Exclude Source Title ☐ 2014 11th China International Forum On Solid State Lighting Sslchina 2014 (1) ☐ Acta Biomaterialia (1) ☐ Acta Chimica Sinica (1) ☐ Agro Food Industry Hi Tech (1) ☐ Biochemical And Biophysical Research Communications (1) View more > Country ☐ China (6) ☐ Finland (2) City	1. Zhao, Desheng Zhao, D. S. View 9 records 2. Zhao, Desheng Zhao, D. S. Zhao, D. Zhao, De Sheng View 3 records 3. Zhao, Desheng Zhao, De Sheng View 2 records 4. Zhao, Desheng Zhao, D. S. View 2 records	Materials Science; Engineering; Physics and Astronomy; Environmental Science; Immunology and Microbiology; Pharmacology, Toxicology and Pharmaceutics; ... Computer Science; Physics and Astronomy; Engineering;	Chinese Academy of Sciences Anhui Medical University Xi'an Institute of Posts and Telecommunications	Beijing Hefei Xi'an	China China China

因可能有同名同姓的作者或作者於不同機構著作之文章，因此條列結果會呈現所有清單，可再依其領域、機構等分類確認欲查詢作者之文章後，再點擊View Records

Author Search – 作者檢索(查詢作者所著文章)

9 records found in Compendex for 1884-2018: 16445206100 WN auid

1 of 1 pages

Alert Save RSS Author results

Sort by: Date (Newest)



Display: 25 results per page



Refine <<

Numeric filter ?

By category Download all

Limit to Exclude

Add a term

Document type

☐ Journal article (8)

☐ Conference article (1)

Controlled vocabulary

☐ Light Emitting Diodes (6)

☐ Iii-V Semiconductors (5)

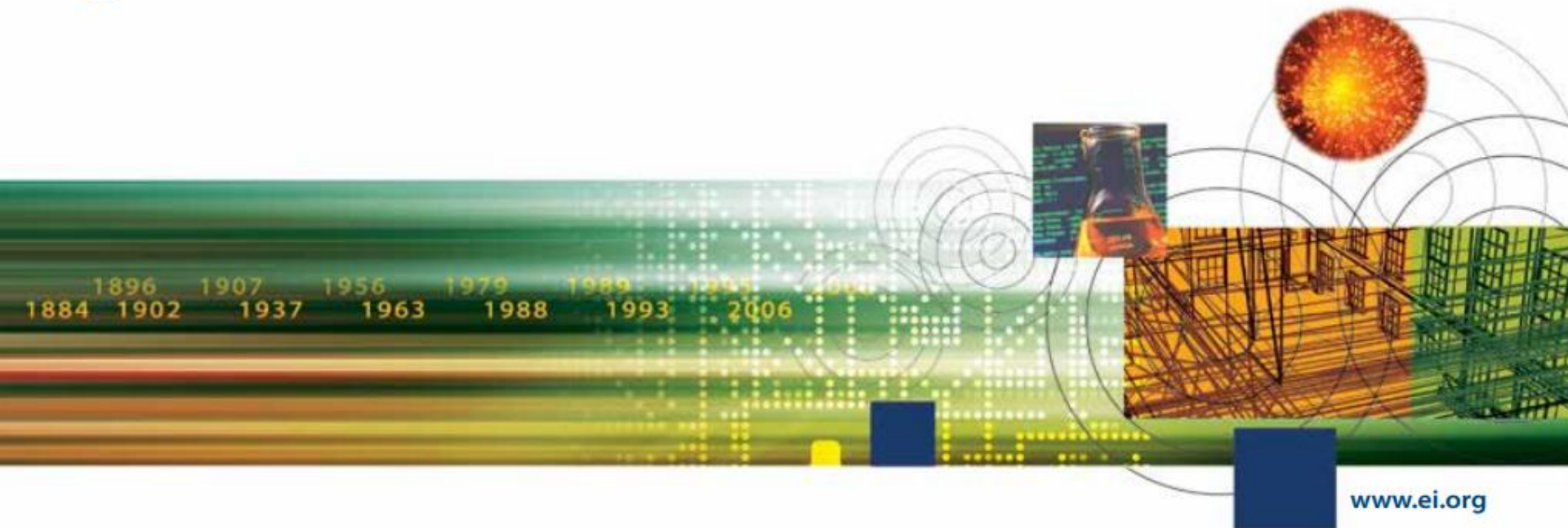
☐ Gallium Nitride (3)

☐ Aluminum Gallium Nitride (2)

☐ High Electron Mobility Transistors (2)

- ☐ **Analysis and Modeling of Thermal-Electric Coupling Effect of High-Power Monolithically Integrated Light-Emitting Diode**
 Zhang, Yibin (Key Laboratory of Nanodevices and Applications, Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese Academy of Sciences, Suzhou; 215123, China); Ding, Mingdi; Zhao, Desheng; Huang, Hongjuan; Huang, Longjie; Lin, Yunzhen; Bian, Difei; Zhang, Baoshun; Cai, Yong
 Source: *IEEE Transactions on Electron Devices*, v 65, n 2, p 564-571, February 2018
 Database: Compendex
 Document type: Journal article (JA)
 Detailed Show preview Full text
- ☐ **Demonstration of wafer-level white light emitting diode with 92,000 lm luminous flux**
 Zhang, Yibin (Key Laboratory of Nanodevices and Applications, Suzhou Institute of Nano-tech and Nano-bionics, Chinese Academy of Sciences, 398 Ruo Shui Road, Suzhou Industrial Park; Suzhou; 215123, China); Xu, Jianwei; Zhao, Desheng; Huang, Hongjuan; Ding, Mingdi; Miao, Zhenlin; Wang, Yanming; He, Peng; Zhang, Baoshun; Cai, Yong
 Source: *Physica Status Solidi (C) Current Topics in Solid State Physics*, v 14, n 8, August 2017
 Database: Compendex
 Document type: Journal article (JA)
 Detailed Show preview Full text
- ☐ **Demonstration of wafer-level white light emitting diode with 92,000 lm luminous flux**
 Zhang, Yibin (Key Laboratory of Nanodevices and Applications, Suzhou Institute of Nano-tech and Nano-bionics, Chinese Academy of Sciences, 398 Ruo Shui Road, Suzhou Industrial Park; Suzhou; 215123, China); Xu, Jianwei; Zhao, Desheng; Huang, Hongjuan; Ding, Mingdi; Miao, Zhenlin; Wang, Yanming; He, Peng; Zhang, Baoshun; Cai, Yong
 Source: *Physica Status Solidi (C) Current Topics in Solid State Physics*, v 14, n 8, August 2017

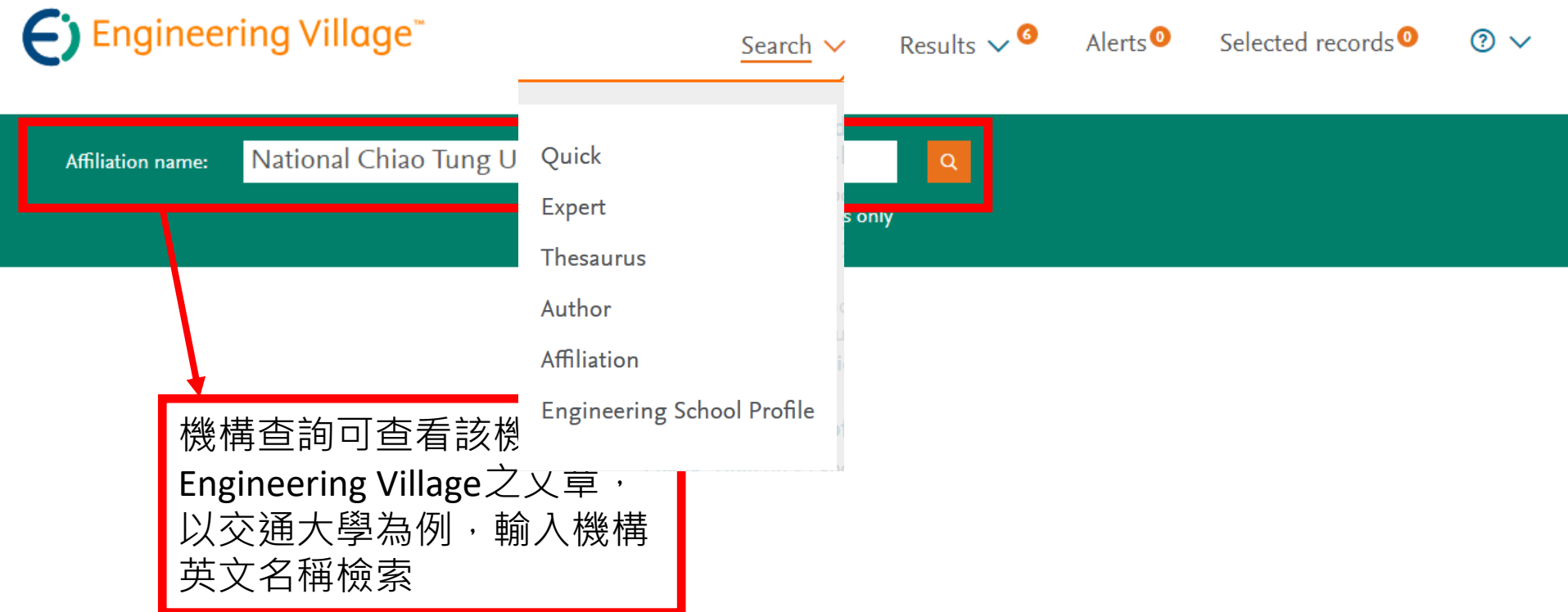
Thesaurus Search - 索引典搜尋



Affiliation Search – 機構搜尋



Affiliation Search – 機構檢索



Engineering Village™

Search ▾ Results ▾ 6 Alerts 0 Selected records 0 ? ▾

Affiliation name: National Chiao Tung U

Quick
Expert
Thesaurus
Author
Affiliation
Engineering School Profile

機構查詢可查看該機
Engineering Village之文庫，
以交通大學為例，輸入機構
英文名稱檢索

Affiliation Search – 機構檢索

Affiliation name: ☐ Show exact matches only

* Searches are limited to affiliations within Compendex records

4 affiliation results in Compendex for Affiliation: "National Chiao Tung University"

1 of 1 pages

Display: 25 results per page

Sort by: Count (DESC)

Refine



By category



Country

☐ Taiwan

(4)

City

☐ Hsinchu

(1)

	Name	Documents	City	Country
1.	National Chiao Tung University Taiwan National Chiao Tung University	View 43,292 records	Hsinchu	Taiwan
2.	National Chiao Tung University Institute of Electrical Control Engineering National Chiao Tung University Institute of Electrical Control Engineering	View 1 records		Taiwan
3.	Taiwan and National Chiao Tung University Taiwan and National Chiao Tung University	View 1 records		Taiwan
4.	National Chiao Tung University (NCTU) in Taiwan National Chiao Tung University (NCTU) in Taiwan	View 1 records		

[Feedback](#)

因學校在不同文章顯示名稱可能不太相同，因此結果頁面會陳列所有符合之結果。如確認為該結果，即可點擊 View Records

Affiliation Search – 機構檢索

43,292 records found in Compendex for 1884-2020: (60012370 WN afid)

1 of 1,732 pages >

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[Save search](#)
[Share search](#)
[RSS feed](#)
[Affiliation results](#)

 Sort by: [Date \(Newest\)](#)


Refine



By physical property



Filter results by physical properties such as size, temperature, pressure and many more [more](#).

By category

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[Exclude](#)

Access type



- ☐ Open Access (1,535)
- ☐ Other (41,757)

Document type



- ☐ Journal article (25,859)
- ☐ Conference article (16,990)
- ☐ Article in Press (106)
- ☐ Book chapter (98)
- ☐ Erratum (47)

Bar chart

[View more](#) >



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1. ☐ Nonlinear fuzzy collaborative forecasting methods

Chen, Tin-Chih Toly (Department of Industrial Engineering and Management, National Chiao Tung University, Hsinchu, Taiwan); **Honda, Katsuhiro** Source: *SpringerBriefs in Applied Sciences and Technology*, p 27-44, 2020

Database: Compendex

Document type: Book chapter (CH)

Detailed Show preview

[Full text](#)

2. ☐ GLR: A graph-based latent representation model for successive POI recommendation

Lu, Yi-Shu (Department of Computer Science, College of Computer Science, National Chiao Tung University, Hsinchu, Taiwan); **Huang, Jiun-Long** Source: *Future Generation Computer Systems*, v 102, p 230-244, January 2020

Database: Compendex

Document type: Journal article (JA)

Detailed Show preview

[Full text](#)

3. ☐ Application of universal design for design improvement of hangers

Liu, Peng-Jyun (Department of Creative Product Design, Asia University, Lioufeng Road, Wufeng, Taichung; 41354, Taiwan); **Wang, Ching-yi; Hsieh, Yi-Chun; Su, Lin-Chu** Source: *Advances in Intelligent Systems and Computing*, v 972, p 424-436, 2020, *Advances in Usability and User Experience - Proceedings of the AHFE 2020*

Conferences on Usability and User Experience, and Human Factors and Assistive Technology

Database: Compendex

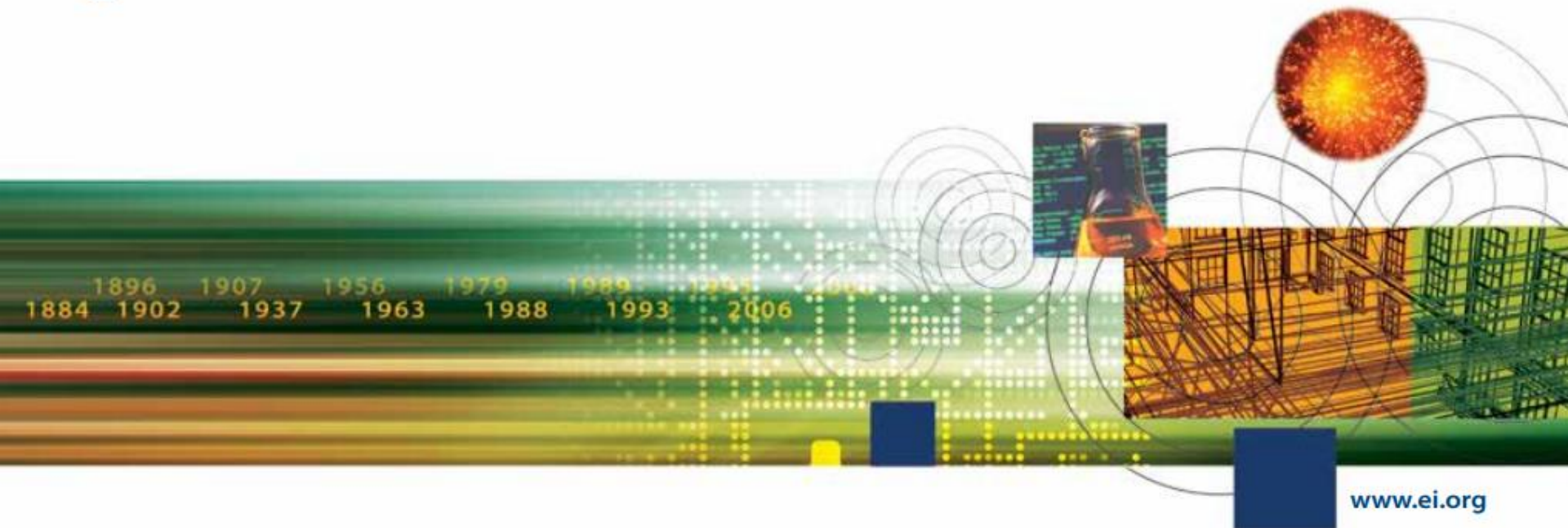
Document type: Conference article (CA)

Detailed Show preview

[Full text](#)

4. ☐ Linear fuzzy collaborative forecasting methods

Feedback



Engineering school profile- 工程學校簡介





Engineering Village

Search

Alerts 0

Selected records 1

Bulletins

More

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Engineering school profile

National Chiao Tung University ☆

23,173 records in Compendex

Institutions & groups

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Search & add

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AMEC Foster Wheeler

National Chi Nan University

National Chiao Tung University

National Chiayi University

National Chin-Yi University of Technology Taiwan

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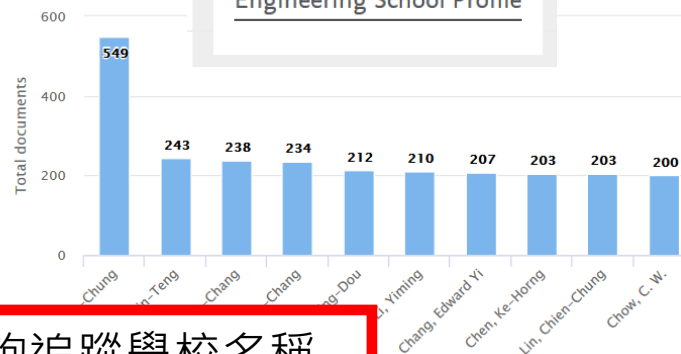
Engineering School Profile

to 2020

AND

Select subject Area

Reset filters



Research focus



- III-V Semiconductors
- Thin Films
- Cmos Integrated Circuits
- II-VI Semiconductors
- Zinc Oxide
- Efficiency
- Solar Cells
- Thin Film Transistors
- Light Emitting Diodes
- Substrates

View more

Feedback

View more

輸入想要查詢追蹤學校名稱
後，可點擊建議選單後查看

Engineering school profile

National Chiao Tung University ☆

23,173 records in Compendex

Filter by: 2009



to 2020



AND

Select subject Area



Reset filters

Institutions & groups

Create Alert Email Print Download

Search & add

Search institution by name...

☒ National Chiao Tung University + x

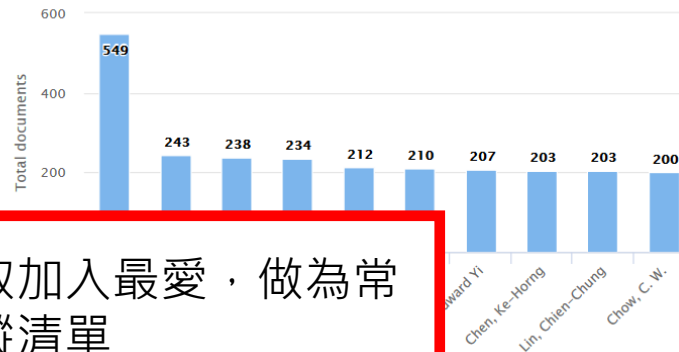
Favorites

☐ Massachusetts Institute of Technology x

可選取加入最愛，做為常用追蹤清單

Top authors

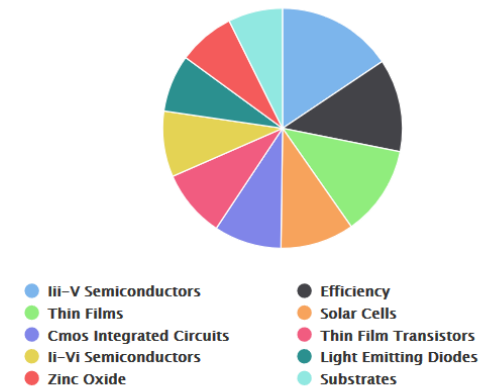
Pie



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Research focus

Bar



Feedback

View more

管理檢索結果



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:

#3 AND #2



View saved searches >

Sort by:



Relevance



Date



點選檢索策略重新查詢或修正查詢

Combine searches

Search query

Actions



3.

155938 results in (Compendex & Inspec) for: ((logistics) WN All fields)

Details ▾



2.

988931 results in (Compendex & Inspec) for: ((logistics) WN All fields)

Details ▲



Query details : 顯示詳細檢索資訊

Type: Quick
Years: 1884 - 2018
Sort: Relevance
Autostemming: on

Clear search history



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)

三種主要保存文章的方法

Record 5 from Inspec for: ((Artificial Intelligence) WN All fields) , 1884-2018



Search term color

< 5 of 988931 >

< Back to results

Full text



Abstract

Detailed

☐ Artificial intelligence research in the second half century

Nishida, T. ¹

Source: *Journal of Information Processing and Management*, v 55, n 7, 461-71, Oct. 2012; **Language:** Japanese; **ISSN:** 0021-7298; **DOI:** 10.1241/johokanri.55.461; **Publisher:** Japan Science and Technology Corp., Japan

Author affiliation : ¹ Grad. Sch. of Inf., Kyoto Univ., Kyoto, Japan

Abstract: Artificial intelligence research has almost completed its first stage from 1950's to today and now is proceeding to the second stage. In order to discuss the features of artificial intelligence research in the second stage, I first overview the flow of artificial intelligence research in the past and point out that the prominent contributions were a large scale search, knowledge-based system, language-speech-image processing, planning, machine learning and data mining, and amalgam of artificial intelligence and art. Then, I argue that our future target should be not just implementing high-level problem solving, but also designing communicative intelligence that will induce the user's deep empathy for integrating the human society and computational intelligence to augment the society of natural and artificial minds. (14 refs)

Inspec controlled terms: artificial intelligence

Uncontrolled terms: artificial intelligence research - second half century - prominent contributions - knowledge-based system - large scale search - language speech image processing - machine learning - data mining - human society - computational intelligence - artificial minds - natural minds

Classification code: C1230 Artificial intelligence

Treatment: Theoretical or Mathematical (THR)

Database: Inspec

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Record 5 from Inspec for: ((Artificial Intelligence) WN All fields), 1884-2017

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Full text

Abstract

Detailed

☐ **Artificial intelligence research**Nishida, T. ¹

Source: *Journal of Information Processing and Communications*
Japanese; ISSN: 0021-7298; DOI: 10.1241/jip.1984.10.1241
Corp., Japan

Author affiliation : ¹ Grad. Sch. of Inf., Kyoto Univ.

Abstract: Artificial intelligence research has been proceeding to the second stage. In order to proceed to the second stage, I first overview the flow of artificial intelligence research. In the first stage, prominent contributions were a large scale knowledge-based system, large scale search, processing, planning, machine learning and so on. Then, I argue that our future target should be designing communicative intelligence that can interact with society and computational intelligence to a large scale.

Inspec controlled terms: artificial intelligence

Uncontrolled terms: artificial intelligence, knowledge-based system - large scale search, learning - data mining - human society -

Classification code: C1230 Artificial intelligence

Treatment: Theoretical or Mathematical (Theory)

Database: Inspec

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Artificial intelligence research in the second half century


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Record 5 from Inspec for: ((Artificial Intelligence) WN All fields), 1884-2018

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Abstract

Detailed

☐ Artificial intelligence research in

Nishida, T.¹

Source: *Journal of Information Processing and Management*, Japanese; ISSN: 0021-7298; DOI: 10.1241/johokanri.55.461; Publisher: Japan Science and Technology Corp., Japan

Author affiliation : ¹ Grad. Sch. of Inf., Kyoto Univ.

Abstract: Artificial intelligence research has almost completed its first stage from 1950's to today and now is proceeding to the second stage. In order to discuss the features of artificial intelligence research in the second stage, I first overview the flow of artificial intelligence research in the past and point out that the prominent contributions were a large scale search, knowledge-based system, language-speech-image processing, planning, machine learning and data mining, and amalgam of artificial intelligence and art. Then, I argue that our future target should be not just implementing high-level problem solving, but also designing communicative intelligence that will induce the user's deep empathy for integrating the human society and computational intelligence to augment the society of natural and artificial minds. (14 refs.)

Inspec controlled terms: artificial intelligence

Uncontrolled terms: artificial intelligence research - knowledge-based system - large scale search - learning - data mining - human society - communication

Classification code: C1230 Artificial intelligence

Treatment: Theoretical or Mathematical (THR)

Database: Inspec

Print record(s)

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* End your session

Abstract

1. Artificial intelligence research in the second half century

Nishida, T.¹ Source: *Journal of Information Processing and Management*, v 55, n 7, 461-71, Oct. 2012; Language: Japanese; ISSN: 0021-7298; DOI: 10.1241/johokanri.55.461; Publisher: Japan Science and Technology Corp., Japan

Author affiliation:

¹Grad. Sch. of Inf., Kyoto Univ., Kyoto, Japan

Abstract: Artificial intelligence research has almost completed its first stage from 1950's to today and now is proceeding to the second stage. In order to discuss the features of artificial intelligence research in the second stage, I first overview the flow of artificial intelligence research in the past and point out that the prominent contributions were a large scale search, knowledge-based system, language-speech-image processing, planning, machine learning and data mining, and amalgam of artificial intelligence and art. Then, I argue that our future target should be not just implementing high-level problem solving, but also designing communicative intelligence that will induce the user's deep empathy for integrating the human society and computational intelligence to augment the society of natural and artificial minds. (14 refs.)

Inspec controlled terms: artificial intelligence

Uncontrolled terms: artificial intelligence research - second half century - prominent contributions - knowledge-based system - large scale search - language speech image

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Record 5 from Inspec for: ((Artificial Intelligence) WN All fields) , 1884-2018



Search term color

< 5 of 988931 >

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Full text



Abstract

Detailed

☐ Artificial intelligence research

Nishida, T. ¹

Source: *Journal of Information Processing*
Japanese; ISSN: 0021-7298; DOI: 10.1109/JIP.1984.1000000
Corp., Japan

Author affiliation : ¹ Grad. Sch. of Inf.,

Abstract: Artificial intelligence research is proceeding to the second stage. In the second stage, I first overview the flow of prominent contributions were a large scale processing, planning, machine learning. Then, I argue that our future target should be designing communicative intelligence society and computational intelligence.

Inspec controlled terms: artificial intelligence

Uncontrolled terms: artificial intelligence knowledge-based system - large scale learning - data mining - human society

Classification code: C1230 Artificial intelligence

Treatment: Theoretical or Mathematical (Theory)

Database: Inspec

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- ☐ Dropbox
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Format:

- ☒ EndNote (RIS, Ref. Manager)
- ☐ BibTeX
- ☐ Text (ASCII)
- ☐ CSV
- ☐ Excel®
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- ☐ Citation
- ☐ Abstract
- ☐ Detailed record

File name:

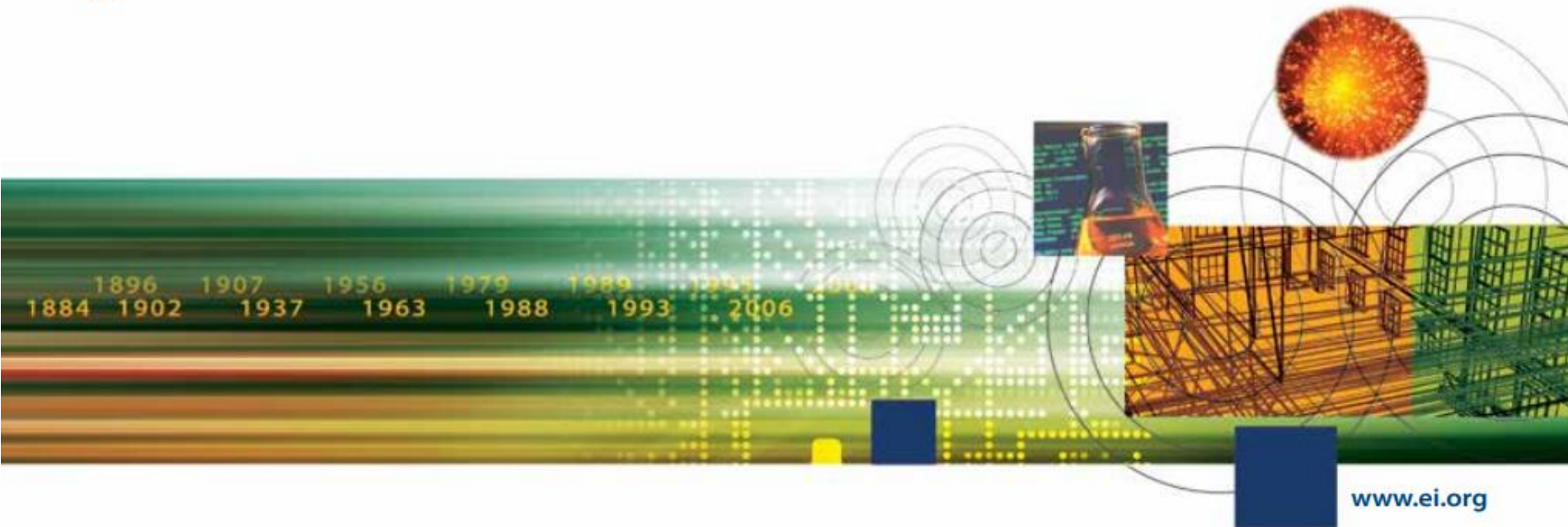
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Alerts & Saved Searches



Engineering Village

Search ▾

Results ▾¹Alerts¹Selected records¹

Bulletins

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Alerts and Saved searches

Name	Search query	Status	Recent pub
(((stress) WN ALL)) 	< (((stress) WN ALL)) > More details ▾	☐ Saved	☐ Off
((waste water) WN ALL) 	< ((waste water) WN ALL) > More details ▾	☒ Alert	☐ Off
(((((plasticizers) WN CF)) AND ... 	< (((((plasticizers) WN CF)) AND (wave)) NOT (shear))) > More details ▾	☐ Saved	☐ Off
(electromagnetic wave absorptio ... 	< ((electromagnetic wave absorption) WN KY) > More details ▾	☐ Saved	☐ Off
((((((("Artificial Intelligence" ... 	< ((((((("Artificial Intelligence") WN KY)) AND ({taiwan} WN CO)) AND ({ca} WN DT)) AND ({springer verlag} WN PN))) > More details ▾	☐ Saved	☐ Off
((({Air pollution} WN CV) OR ... 	< (((({Air pollution} WN CV) OR ({Atmospheric composition} WN CV))) > More details ▾	☐ Saved	☐ Off
((({Atmospheric composition} W ... 	< (((({Atmospheric composition} WN CV) OR ({Air pollution} WN CV))) > More details ▾	☐ Saved	☐ Off

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可重新執行檢索策略

James Huang
james@sris.com.tw

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Folders



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Folders

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Interactive equations

Folder Name : 20161025_graphene

28 saved records in this folder

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ALL Citation format

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Zhang Ze (State Key Lab. of Frozen Soil Eng., Cold & Arid Regions Environ. & Eng. Res. Inst., Lanzhou, China); **Ma Wei; Zhang Zhonggiong**
Source: *Earth Science - Journal of China University of Geosciences*, v 41, n 2, p 351-9, Feb. 2016 Language: Chinese
Database: Inspec
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Dombrovsky, Leonid A. (Joint Institute for High Temperatures, NCHMT, Moscow; 111116, Russia); **Reviznikov, Dmitry L.; Kryukov, Alexei P.; Levashov, Vladimir Yu**
Source: *Journal of Quantitative Spectroscopy and Radiative Transfer*, v 200, p 234-243, October 2017
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Loffredo, Filomena (Istituto Nazionale di Fisica Nucleare (INFN) Sez. Napoli, Italy); **Vardaci, Emanuele; Quarto, Maria; Roca, Vincenzo; Pugliese, Mariagabriella**
Source: *Advances in Space Research*, v 59, n 1, p 393-400, January 1, 2017
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 ☐ Inspec Archive
 ☐ NTIS
 ☐ PaperCh...
 ☐ Chimica
 ☐ CBNB
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 - https://www.elsevier.com/__data/assets/excel_doc/0007/56392/CPXSourceList_05172019.xlsx
- 全國學術電子資訊資源共享聯盟 (CONCERT)
 - <http://www.stpi.org.tw/fdb/ei/index.html>
- 碩睿資訊官網
 - <https://www.sris.com.tw/>
- 碩睿教育訓練網站
 - <https://www.sris.com.tw/ts/index.html>

實作大挑戰(1)

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試著利用EV資料庫，透過Author Search找尋陳教授所著之文章，總共有幾篇呢？