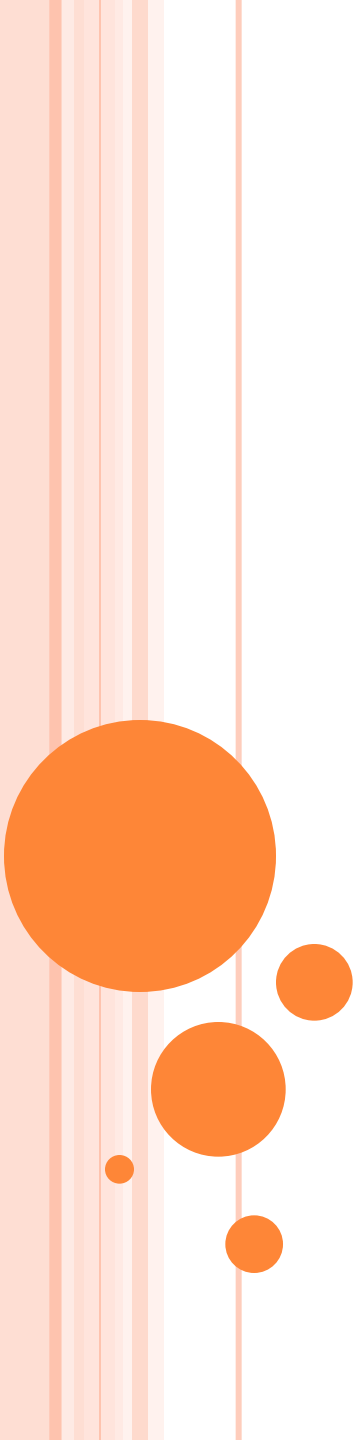




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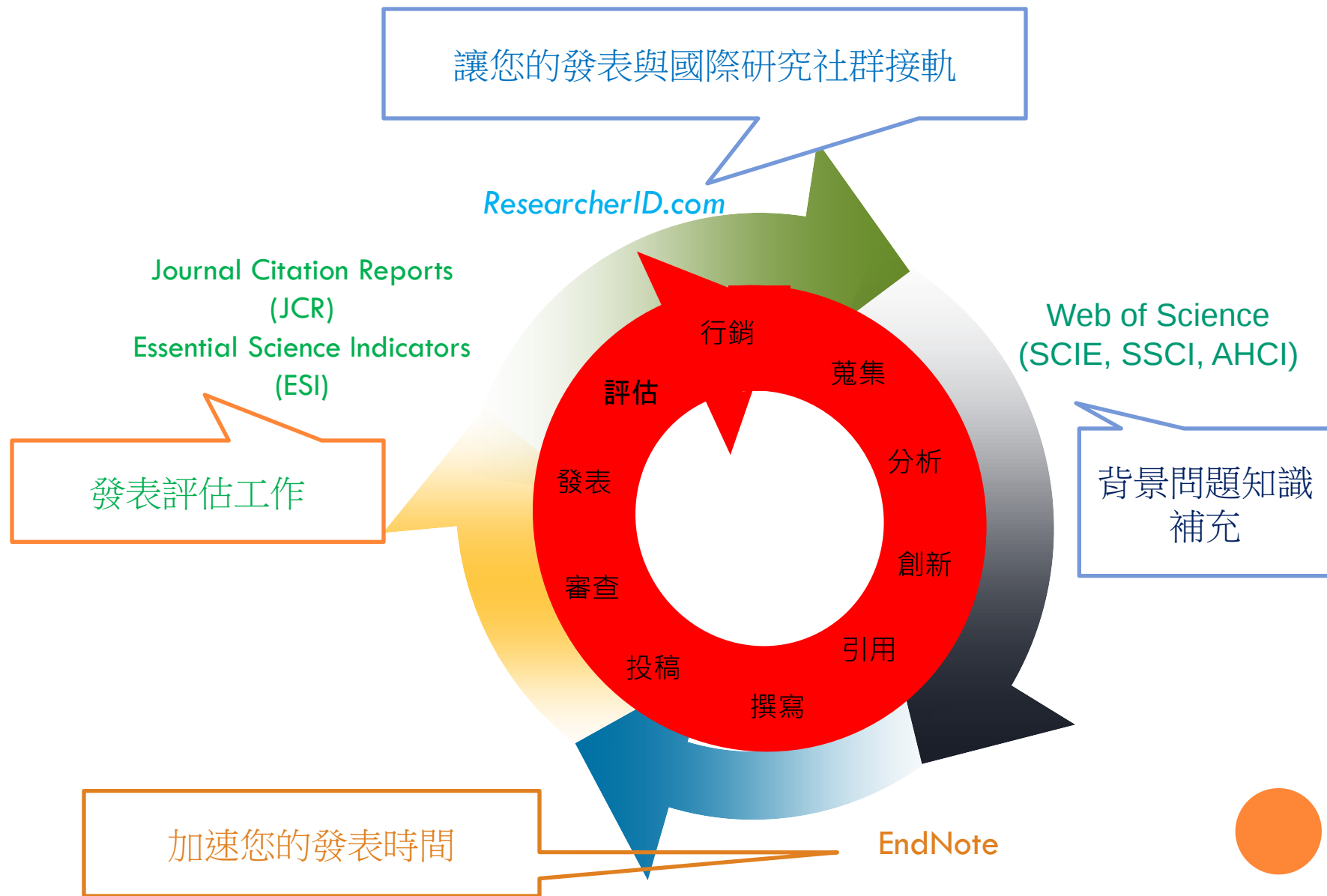
發表評估工作

Web of Science
(SCIE, SSCI, AHCI)

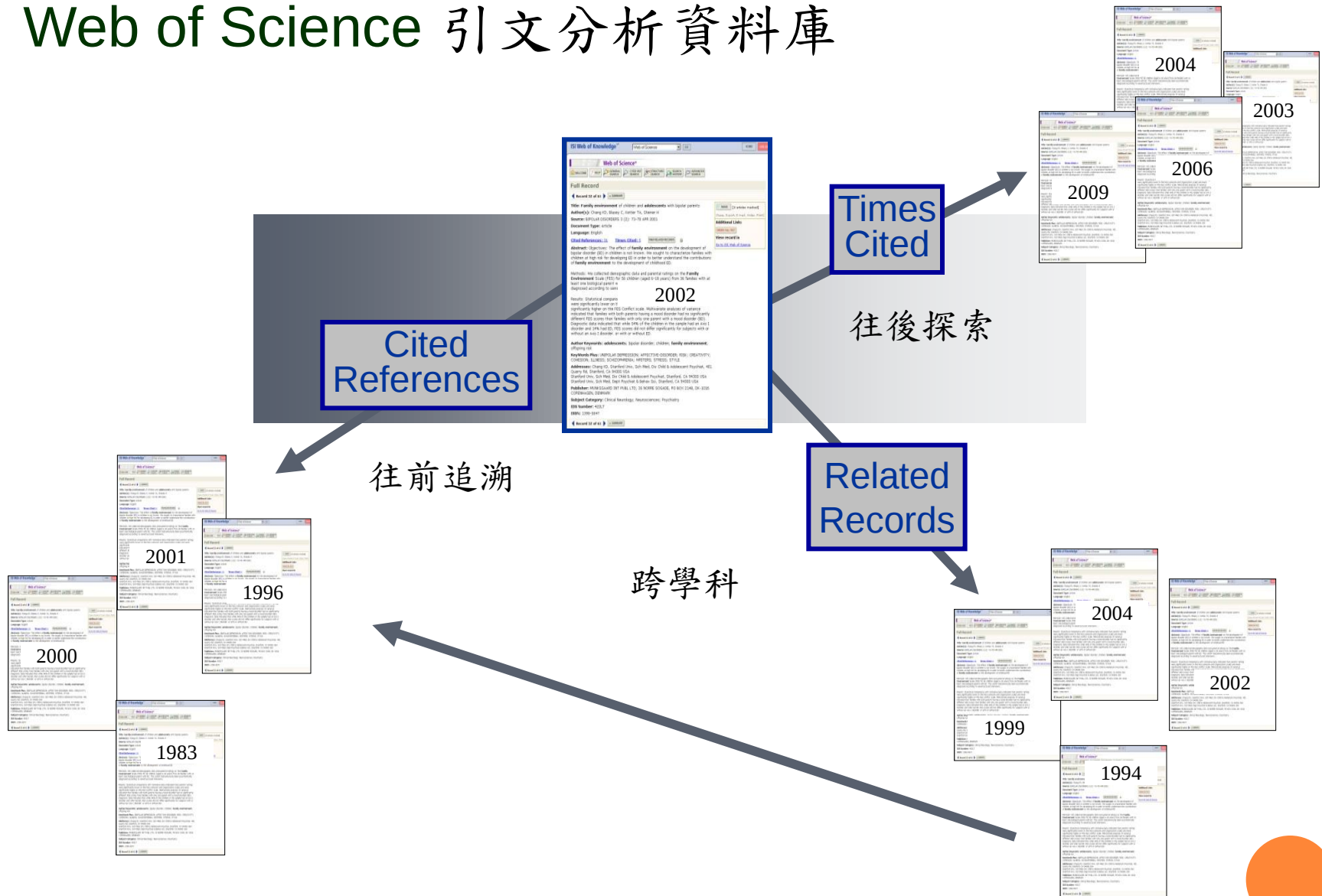
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補充

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EndNote



Web of Science 引文分析資料庫



WEB OF SCIENCE 可以幫我做什麼？

- 從研發角度及不同使用時機進行資料蒐集
- 從檢索結果分析及建立引用分析報告
- 如何篩選核心論文及以文找文，追蹤最新研究動態
- 用EndNoteweb管理資料、團隊分享



大綱

1. Web of Knowledge (WOK)介面介紹

- A. 註冊與個人化功能
- B. Web of Science收錄內容介紹

2. WOS檢索

- A. 萬用字元
- B. 檢索類型介紹
- C. 檢索結果頁面
- D. 全紀錄頁面

3. 資料由多到少

- A. Refine
- B. Sort by
- C. Create Citation report
- D. Analyze Result

4. 資料由少到多

- A. References 與 Times Cited
- B. Citation Map
- C. Related Records
- D. Keyword Plus

5. 其他附加功能

- A. Marked list
- B. Search History
- C. Export
- D. Create Citation Alert
- E. Additional Information

6. EndNote Web



平台下包括
多個資料庫

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Web of Science

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Web of ScienceSM (1898-present)

Access the world's leading scholarly literature in the sciences, social sciences, arts, and humanities and examine proceedings of international conferences, symposia, seminars, colloquia, workshops, and conventions.

[\[more \]](#)

Current Contents Connect[®] (1998-present)

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[\[more \]](#)

Derwent Innovations IndexSM (1963-present)

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[\[more \]](#)

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Life sciences and biomedical research covering pre-clinical and experimental research, methods and instrumentation, animal studies, and more.

[\[more \]](#)

CABI : CAB Abstracts[®] and Global Health[®] (1910-present)

Provides authoritative research information on agriculture, environment and related applied life sciences.

[\[more \]](#)

Chinese Science Citation DatabaseSM (1989-present)

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Search

Example: oil spill* mediterranean

in

in

in

AND

AND

Example: O'Brian C* OR OBrian C*

Need help finding papers by an author? Use [Author Finder](#).

Example: Cancer* OR Journal of Cancer Research and Clinical Oncology

[Add Another Field >>](#)

Searches must be in English

Topic
Title
Author
ResearcherID
Group Author
Editor
Publication Name
Year Published
Address
Conference
Language
Document Type
Funding Agency
Grant Number

Current Limits: (To save these permanently, [sign in or register](#).)

Timespan

☒ All Years (updated 2011-03-22)

☐ From 1898 to 2011 (default is all years)

Citation Databases

☒ Science Citation Index Expanded (SCI-EXPANDED) --1899-present

☒ Social Sciences Citation Index (SSCI) --1898-present

☒ Arts & Humanities Citation Index (A&HCI) --1975-present

☒ Conference Proceedings Citation Index- Science (CPCI-S) --1990-present

☒ Conference Proceedings Citation Index- Social Science & Humanities (CPCI-SSH) --1990-present

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- More questions? Consult the [Help files](#).

What's new in Web of Knowledge?

- Researcher ID is now searchable from within *Web of Science*.
- Automatic spelling variations and all new Author Finder in *Web of Science*.
- [More of What's New](#)

Featured Tips

- Visualize citation connections at a glance with Citation Mapping ([view demo](#))
- Identify citation trends graphically with Citation Report ([view demo](#)).
- Make sure your funding efforts pay off. Search grant activity and funding acknowledgements.

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Password Guidelines

Must be 8 or more characters (no spaces) and contain:

- at least 1 numeral: 0 - 9
 - at least 1 alpha character, case-sensitive
 - at least 1 symbol: ! @ # \$ % ^ * () ~ ` { } [] & _
- Example: 1sun%moon

* Retype New Password:

* Primary Role:

* Subject Area:

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- ☐ Receive training materials, notifications, announcements, and other materials by e-mail.
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在ISI平台中，個人化帳戶的密碼設定較嚴謹。
例: Mary@1688

Web of Science 收錄內容 (每週更新)

SCIE

- Science Citation Index Expanded
- 自然科學引文索引資料庫
- 7000多種期刊，1899年至今

SSCI

- Social Science Citation Index
- 社會科學引文索引資料庫
- 2200多種期刊，1898年至今

AHCI

- Arts & Humanities Citation Index
- 人文藝術引文索引資料庫
- 1200多種期刊，1975年至今

CPCI

- Conference Proceedings Citation Index 會議論文引文索引資料庫
- 12000多種會議錄，1990年至今

BKCI

- Book Citation Index
- 圖書引文索引資料庫
- 30000多種書籍，2005年至今

Science Citation Index Expanded 收錄領域

自然科學、工程技術、生物醫學等所有科技領域

- 農業與食品科技
- 太空領域
- 行為科學
- 生化
- 生物
- 生醫
- 電腦科學
- 電機工程
- 環境科學
- 遺傳
- 地球科學
- 材料科學
- 數學
- 醫學
- 微生物學
- 核子科學
- 藥學
- 物理
- 精神與心理學
- 統計學
- 科技與應用科學
- 獸醫
- 動物科學



Social Sciences Citation Index

多學科綜合性社會科學引文索引：全面收錄1,810多種社會科學期刊

- 人類學
- 商業
- 溝通
- 犯罪學和刑罰學
- 經濟學
- 教育
- 環境研究
- 家庭研究
- 地理學
- 老年醫學和老年病學
- 衛生政策和服務
- 計畫與發展
- 歷史
- 工業關係與勞工問題
- 圖書館學和資訊科學
- 語言與語言學
- 法律
- 政治科學
- 心理學
- 精神病學
- 公共衛生
- 社會問題
- 社會工作
- 社會學
- 藥物濫用
- 城市研究
- 婦女問題
- 社會科學



Arts & Humanities Citation Index

- 哲學
- 語言
- 語言學
- 文學評論
- 文學
- 音樂
- 哲學
- 詩歌
- 宗教
- 戲劇...
- 考古學
- 建築
- 藝術
- 亞洲研究
- 古典
- 舞蹈
- 電影/廣播/電視
- 民俗
- 歷史
- ...



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- B. Citation Map
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- D. Keyword Plus

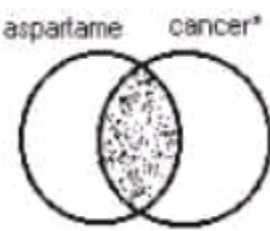
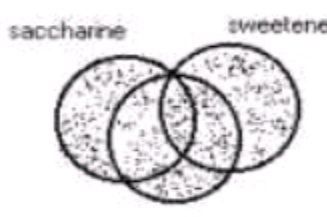
5. 其他附加功能

- A. Marked list
- B. Search History
- C. Export
- D. Create Citation Alert
- E. Additional Information

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檢索中適用的布林邏輯（一）

 AND	檢索結果中必須出現所有檢索詞 TOPIC : aspartame AND cancer* 檢索到的文獻包含aspartame，也包含cancer
 OR	檢索結果必須出現在任一檢索詞，當檢索詞有多種拼法或有幾個同義詞時，使用OR TOPIC : aspartame OR saccharine OR sweetener* 檢索到文獻至少包含其中一個詞
 NOT	檢索結果中不包含某一個檢索詞的文章 TOPIC : aids not hearing 檢索到的文獻都包含aids，但都不包含hearing

檢索中適用的布林邏輯（二）

片語檢索請輸入“ ”	輸入檢索詞時，若為精確片語，需於前後兩字前加上“ ” ，若為加上“ ”則視同以AND結合兩個字 “ biocontrol agent” 會找到biocontrol agent
	Title : RESIDUAL EFFICACY OF TYPHULA PHACORR AS A <u>BIOCONTROL AGENT</u> ON GREY SNOW MOLD ON CREEPING BENTGRASS
Same	檢索詞必須出現在同一句子中(這裡說的一句是指兩個句號之間的字符串)，檢索詞在句子中的順序是任意的。 TOPIC : (greenhouse or green house) same emission* Address : Houston same Texaco
	Title : GLOBAL <u>GREENHOUSE</u> GAS <u>EMISSIONS</u> INVENTORY METHOS Address : TEXACO INTL,SAFETY HLTH & ENVIRONM GRP, HOUSTON, TX, USA

檢索中適用的切截符號

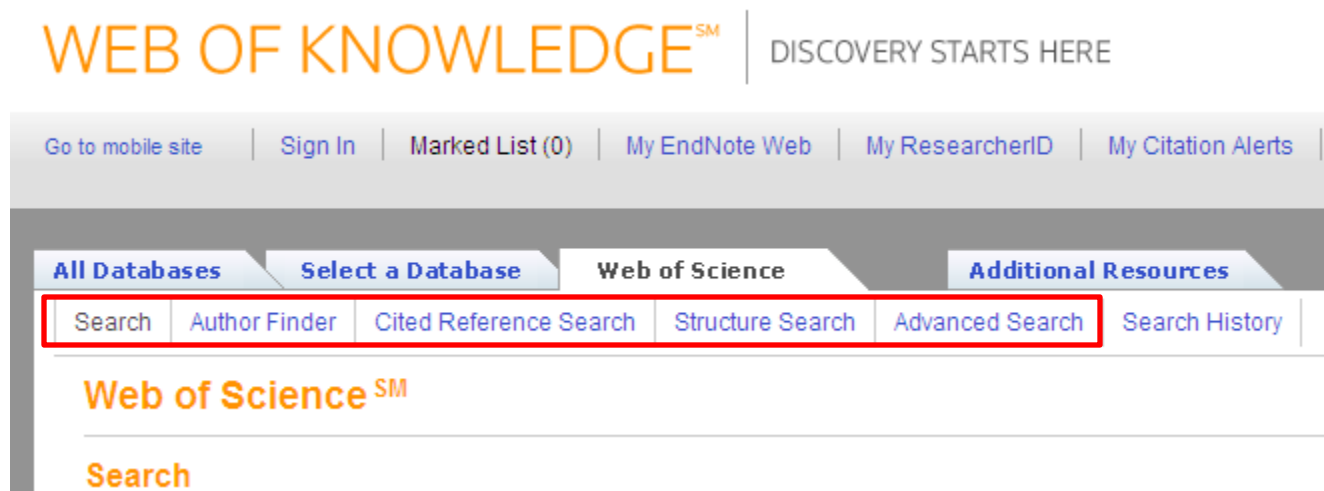
- 切截符號有多種用途
 - 詞尾切截可得到該單字所提及的所有詞語（單數和複數）
 - 詞間切截：可找到該單字的所有變化形式或不同拼法
- ? = 一個字母 (flav?r=flavor)
- * = 一個或多個字母 (flav*r=flavor, flavour)
- \$ = 一個或零個字母 (disease\$= disease, diseases, diseased)

右切截		詞間切截		詞間切截	
Diseas*	Disease Diseases Diseased	Flav*r	flavor flavour	Lap*roscop*	Laparoscopic Laprosopic Laparoscopy

有提供左切截：\$\$\$\$\$biology→microbiology (除了*不適用左切截，\$ 和 ?可以使用)

WEB OF SCIENCE檢索策略應用

- Search 檢索
 - 主題、期刊、作者、地址、團體作者
- Author Finder查詢作者
- Cited Ref Search 被引用參考文獻檢索
 - 被引用作者、被引用期刊、被引用年代
- Advanced Search 進階檢索



All Databases

Select a Database

Web of Science

Additional Resources

Search

Author Finder

Cited Reference Search

Advanced Search

Search History

Web of Science®

Search

Example: oil spill* mediterranean

in

Topic

Topic

Title

Author

ResearcherID

Group Author

Editor

Publication Name

DOI

Year Published

Address

Conference

Language

Document Type

Funding Agency

Grant Number

Accession Number

in

in

AND

Example: O'Brian C* OR OBrian C*

Need help finding papers by an author? Use [Author Finder](#).

AND

Example: Cancer* OR Journal of Cancer Research and Clinical Oncology

[Add Another Field >>](#)

Search

Clear

Searches must be in English

Current Limits: (To save these permanently, [sign in](#) or [register](#).)

Timespan



All Years



(updated 2011-03-22)



From

1898

to

2011

(default is all years)

Citation Databases



Science Citation Index Expanded (SCI-EXPANDED) --1899-present



Social Sciences Citation Index (SSCI) --1898-present



Arts & Humanities Citation Index (A&HCI) --1975-present



Conference Proceedings Citation Index- Science (CPCI-S) --1990-present



Conference Proceedings Citation Index- Social Science & Humanities (CPCI-SSH) --1990-present

- 主題
- 篇名
- 作者
- Research ID
- 團體作者
- 編輯者
- 期刊名稱
- DOI
- 出版年代
- 作者地址
- 會議名稱
- 語言(*)
- 文獻類型(*)
- 贊助單位
- 計畫編號
- 典藏登錄號

(*)號的欄位無法單獨檢索

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利用ADDRESS查詢機構

Search

Natl Taiwan univ

in

Address

Example: Yale Univ SAME hosp (view abbreviations list)

OR

national taiwan university

in

Address

Example: Yale Univ SAME hosp (view abbreviations list)

AND

in

Publication Name

Example: Cancer* OR Journal of Cancer Research and Clinical Oncology

[Add Another Field >>](#)

Search

Clear

Searches must be in English

Web of ScienceSM

Results

Address=(Natl Taiwan univ) OR Address=(national taiwan university)

Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, CCR-EXPANDED, IC.

Lemmatization=On

Scientific WebPlus^{BETA}
[View Web Results >>](#)Results: **75,337**

Page 1 of 7,534 Go

Sort by: Publication Date -- newest to oldest

Refine Results

Search within results for

Search

Web of Science Categories

☐ ENGINEERING ELECTRICAL ELECTRONIC (9,536)☐ PHYSICS APPLIED (4,562)☐ MATERIALS SCIENCE MULTIDISCIPLINARY

Refine



(0)



Save to:

EndNote Web

EndNote

ResearcherID more options

Analyze Results

Citation Report feature not available.

[?]



1. Title: **Temporomandibular Joint Structural Derangement and General Joint Hypermobility**
Author(s): Wang Huey-Yuan; Shih Tiffany Ting-Fang; Wang Juo-Song; et al.
Source: JOURNAL OF OROFACIAL PAIN Volume: 26 Issue: 1 Pages: 33-38 Published: WIN 2012
Times Cited: 0 (from Web of Science)

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SearchAuthor FinderCited Reference SearchStructure SearchAdvanced SearchSearch History

Web of ScienceSM

Search by Author Name

Last Name / Family Name (Required)
Chen
Example: Smith

Initial(s) (One Required)
JV
Example: CE

☐ Exact Matches Only

Search by Name

Clear

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Chen, Jengchung V.

AUTHOR FINDER

3. ☐

Chen, JV

1

Natl Cheng Kung Univ

2011

Source Titles for this author (top 5 by record count) :
COMPUTER STANDARDS and INTERFACES (1)

A Sampling of Publications by this Author : ...

4. ☐

Chen, JV

1

Univ Cent Arkansas

2010

Source Titles for this author (top 5 by record count) :
MATHEMATICAL BIOSCIENCES (1)

A Sampling of Publications by this Author : ...

5. ☐

Chen, JV

1

Natl Cheng Kung Univ

2009

Source Titles for this author (top 5 by record count) :
JOURNAL OF COMPUTER INFORMATION SYSTEMS (1)

A Sampling of Publications by this Author : ...

6. ☐

Chen, JV

1

Natl Taiwan Univ

2009

Source Titles for this author (top 5 by record count) :
JOURNAL OF SYSTEMS AND SOFTWARE (1)

A Sampling of Publications by this Author : ...

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Search Author Finder Cited Reference Search Structure Search Advanced Search Search History

Web of ScienceSM

Cited Reference Search (Find the articles that cite a person's work)

Step 1: Enter information about the cited work. Fields are combined with the Boolean AND operator.

* Note: Entering the volume, issue, or page in combination with other fields may reduce the number of cited references.

Chen Yi-Hua

in

Cited Author

Example: O'Brian C* OR OBrian C*

am j clin pathol

Cited Work

Example: J Comp* Appl* Math* (journal abbreviation list)

2011

in

Cited Year(s)

Example: 1943 or 1943-1945

Add Another Field >>

Search

Clear

Searches must be in English

Key縮寫

Cited Author 輸入被引用的作者姓名
例：HSU SM

Cited Work 輸入被引用的研究作品出處：
期刊名、專利號、書名等

Cited Year 輸入該文獻的發表/公佈年份

Cited Volume
Cited Issue
Cited Pages

Cited Reference Search (Find the articles that cite a person's work)

[View our Cited Reference Search tutorial.](#)

Step 2: Select cited references and click "Finish Search."

Hint: Look for [cited reference variants](#) (sometimes different pages of the same article are cited or papers are cited incorrectly).

CITED REFERENCE INDEX
References: 1 - 1 of 1

Page 1 of 1 [Go](#)



Select Page

Select All*

Clear All

Finish Search

Select References	Cited Author	Cited Work [SHOW EXPANDED TITLES]	Year	Volume	Page	Article ID	Citing Articles **	View Record
☐	Chen, Yi-Hua	AM J CLIN PATHOL	2011	136	289	10.1309/AJCPTFFQ18JMYKDF	2	View Record (view in Web of Science)

Clinical, Morphologic, Immunophenotypic, and Molecular Cytogenetic Assessment of CD4-/CD8-gamma delta T-Cell Large Granular Lymphocytic Leukemia

Author(s): [Chen, YH](#) (Chen, Yi-Hua)¹; [Chadburn, A](#) (Chadburn, Amy); [Evens, AM](#) (Evens, Andrew M.)²; [Winter, JN](#) (Winter, Jane N.)²; [Gordon, LI](#) (Gordon, Leo I.)²; [Chenn, A](#) (Chenn, Anjen); [Goolsby, C](#) (Goolsby, Charles); [Peterson, L](#) (Peterson, LoAnn)

Source: AMERICAN JOURNAL OF CLINICAL PATHOLOGY **Volume:** 136 **Issue:** 2 **Pages:** 289-299 **DOI:** 10.1309/AJCPTFFQ18JMYKDF **Published:** AUG 2011

Times Cited: 2 (from Web of Science)

Cited References: 32 [[view related records](#)] [Citation Map](#)

Abstract: gamma delta T-cell large granular lymphocytic (T-LGL) leukemia of the CD4-/CD8- subtype is rare, and data are limited in the literature. This study evaluated the clinical, morphologic, immunophenotypic, and molecular cytogenetic features of 7 cases of CD4-/CD8- gamma delta T-LGL leukemia. Although this variant shares several clinical and morphologic features with the more common T-LGL leukemias, the incidences of autoimmune hemolytic anemia and pure red cell aplasia are higher. Another striking feature observed in our study was the lack of increased large granular lymphocytes in the peripheral blood in the majority of cases despite prominent bone marrow or splenic involvement. CD4-/CD8- gamma delta T-LGL leukemia also displays an immunophenotype and pattern of splenic involvement overlapping with hepatosplenic T-cell lymphoma. Clinically, this variant of T-LGL leukemia shows an overall indolent course, but treatment is often required in the initial stages of the disease. Awareness of these features is important for early recognition and accurate diagnosis of patients with CD4-/CD8- gamma delta T-LGL leukemia.

ADVANCED SEARCH

WEB OF KNOWLEDGESM

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[Search](#) | [Author Finder](#) | [Cited Reference Search](#) | [Structure Search](#) | [Advanced Search](#) | [Search History](#)

Web of ScienceSM

Advanced Search

Use 2-character tags, Boolean operators, parentheses, and set references to create your query. Results appear in the Search History at the bottom of the page.

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

Search

Searches must be in English

Restrict results by any or all of the options below:

All languages	All document types
English	Article
Afrikaans	Abstract of Published Item
Arabic	Art Exhibit Review

Current Limits: (To save these permanently, [sign in](#) or [register](#).)

☐ Timespan

☒ All Years (updated 2011-07-21)

☐ From 1898 to 2011 (default is all years)

進階檢索的查詢方式：
檢索欄位代碼+檢索詞彙

Booleans: AND, OR, NOT, SAME, NEAR

Field Tags:

TS= Topic	SG= Suborganization
TI= Title	SA= Street Address
AU= Author	CI= City
RID= ResearcherID	PS= Province/State
GP= Group Author	CU= Country
ED= Editor	ZP= Zip/Postal Code
SO= Publication Name	FO= Funding Agency
DO= DOI	FG= Grant Number
PY= Year Published	FT= Funding Text
CF= Conference	
AD= Address	
OG= Organization	

欄位代碼

檢索結果頁面

Web of ScienceSM

Results

Topic=(RFID)

Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, CCR-EXPANDED, IC.
Lemmatization=On

Scientific WebPlus^{BETA}
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Note: Alternative forms of your search term (for example, tooth and teeth) may have been applied, in particular for Topic or Title searches that do not contain quotation marks around the terms. To find only exact matches for your terms, turn off the "Lemmatization" option on the search page.

Results: 8,361

Page 1 of 837 Go

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Refine Results

Search within results for

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Web of Science Categories

Refine

- ☐ ENGINEERING ELECTRICAL ELECTRONIC (4,155)
 - ☐ TELECOMMUNICATIONS (2,291)
 - ☐ COMPUTER SCIENCE THEORY METHODS (1,587)
 - ☐ COMPUTER SCIENCE INFORMATION SYSTEMS (1,197)
 - ☐ COMPUTER SCIENCE HARDWARE ARCHITECTURE (701)
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Document Types

Refine

- ☐ PROCEEDINGS PAPER (5,507)
 - ☐ ARTICLE (2,799)
 - ☐ BOOK CHAPTER (145)
 - ☐ NEWS ITEM (139)
 - ☐ EDITORIAL MATERIAL (98)
- [more options / values...](#)



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Analyze Results

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- ☐ 1. Title: **Fully integrated passive UHF RFID transponder IC with 16.7-mu W minimum RF input power**
Author(s): Karthaus U; Fischer M
Source: IEEE JOURNAL OF SOLID-STATE CIRCUITS Volume: 38 Issue: 10 Pages: 1602-1608 DOI: 10.1109/JSSC.2003.817249 Published: OCT 2003
Times Cited: 281 (from Web of Science)
☐ SFX Demo OpenURL Link [Full Text](#) [View abstract](#)
- ☐ 2. Title: **RFID security and privacy: A research survey**
Author(s): Juels A
Source: IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS Volume: 24 Issue: 2 Pages: 381-394 DOI: 10.1109/JSAC.2005.861395 Published: FEB 2006
Times Cited: 243 (from Web of Science)
☐ SFX Demo OpenURL Link [Full Text](#) [View abstract](#)
- ☐ 3. Title: **Antenna design for UHF RFID tags: A review and a practical application**
Author(s): Rao KVS; Nikitin PV; Lam SF
Source: IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION Volume: 53 Issue: 12 Pages: 3870-3876 DOI: 10.1109/TAP.2005.859919 Published: DEC 2005

Fully integrated passive UHF RFID transponder IC with 16.7- μ W minimum RF input power

Author(s): Karthaus, U (Karthaus, U); Fischer, M (Fischer, M)

Source: IEEE JOURNAL OF SOLID-STATE CIRCUITS **Volume:** 38 **Issue:** 10 **Pages:** 1602-1608 **DOI:** 10.1109/JSSC.2003.817249 **Published:** OCT 2003

Times Cited: 281 (from Web of Science)

Cited References: 4 [[view related records](#)]  [Citation Map](#)

Abstract: This paper presents a novel fully integrated passive transponder IC with 4.5-, or 9.25-m reading distance at 500-mW ERP or 4-W EIRP base-station transmit power, respectively, operating in the 868/915-MHz ISM band with an antenna gain less than -0.5 dB. Apart from the printed antenna, there are no external components. The IC is implemented in a 0.5- μ m digital two-poly two-metal digital CMOS technology with EEPROM and Schottky diodes. The IC's power supply is taken from the energy of the received RF electromagnetic field with help of a Schottky diode voltage multiplier. The IC includes dc power supply generation, phase shift keying backscatter modulator, pulse width modulation demodulator, EEPROM, and logic circuitry including some finite state machines handling the protocol used for wireless write and read access to the IC's EEPROM and for the anticollision procedure. The IC outperforms other reported radio-frequency identification ICs by a factor of three in terms of required receive power level for a given base-station transmit power and tag antenna gain.

Accession Number: WOS:000185568500002

Document Type: Article

Language: English

Author Keywords: passive transponder; radio-frequency identification (RFID); low-power low-voltage CMOS; backscatter modulation

Reprint Address: Karthaus, U (reprint author), ATMEL Germany GmbH, D-89081 Ulm, Germany

Addresses:

1. ATMEL Germany GmbH, D-89081 Ulm, Germany
2. ATMEL Germany GmbH, D-74072 Heilbronn, Germany

Publisher: IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC, 445 HOES LANE, PISCATAWAY, NJ 08855 USA

Web of Science Category: Engineering, Electrical & Electronic

Subject Category: Engineering

Bauernfeind, Thomas. Influence of the Non-Linear UHF-RFID IC Impedance on the Backscatter Abilities of a T-Match Tag Antenna Design. IEEE TRANSACTIONS ON MAGNETICS, FEB 2012.

Rodriguez-Rodriguez, Jose A. An Ultralow-Power Mixed-Signal Back End for Passive Sensor UHF RFID Transponders. IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, FEB 2012.

Reinisch, Hannes. A Multifrequency Passive Sensing Tag With On-Chip Temperature Sensor and Off-Chip Sensor Interface Using EPC HF and UHF RFID Technology. IEEE JOURNAL OF SOLID-STATE CIRCUITS, DEC 2011.

[[view all 314 citing articles](#)]

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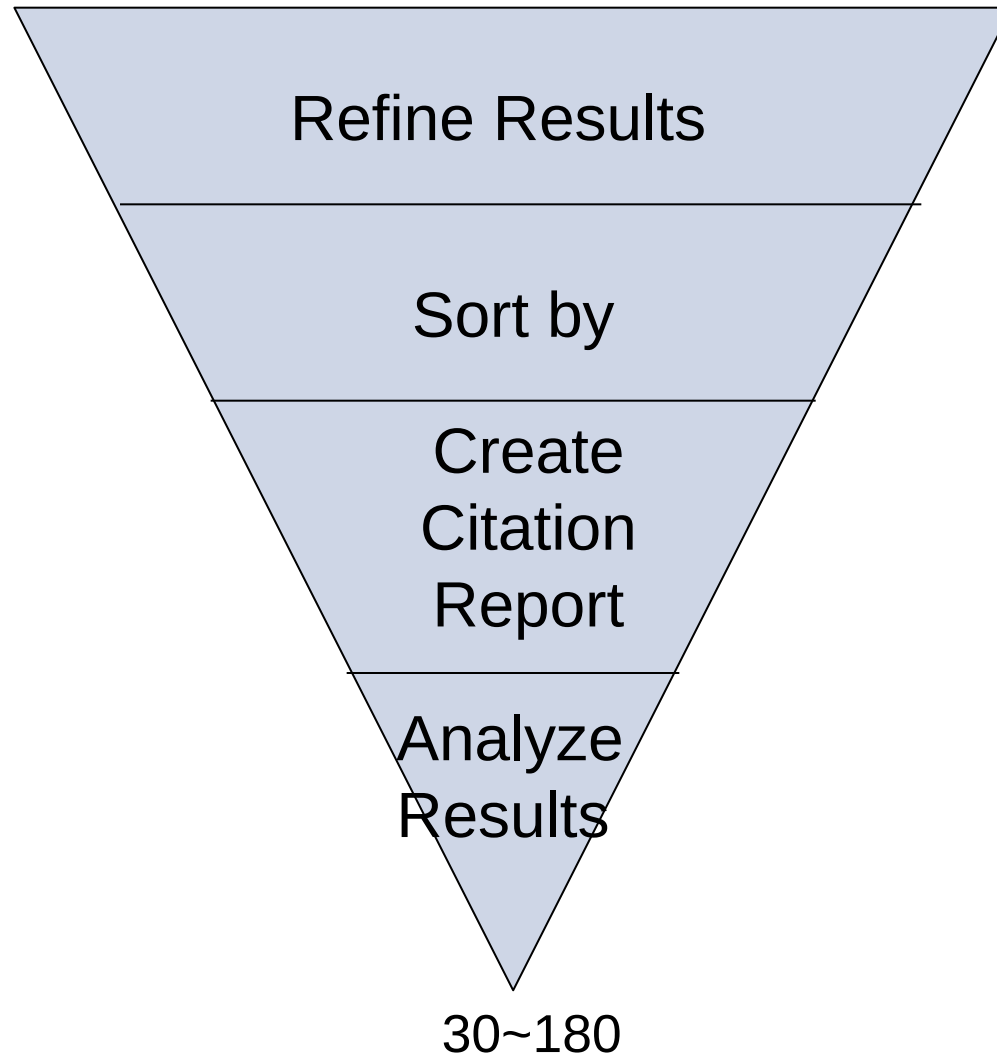
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Cited References: 4

資料由多到少..

General Keywords ~10,000



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1. Web of Knowledge (WOK)介面介紹

- A. 註冊與個人化功能
- B. Web of Science收錄內容介紹

2. WOS檢索

- A. 萬用字元
- B. 檢索類型介紹
- C. 檢索結果頁面
- D. 全紀錄頁面

3. 資料由多到少

- A. Refine
- B. Sort by
- C. Create Citation report
- D. Analyze Result

4. 資料由少到多

- A. References 與 Times Cited
- B. Citation Map
- C. Related Records
- D. Keyword Plus

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- B. Search History
- C. Export
- D. Create Citation Alert
- E. Additional Information

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Refine Results

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Refine☐ ENGINEERING ELECTRICAL ELECTRONIC (4,617)☐ TELECOMMUNICATIONS (2,771)☐ COMPUTER SCIENCE THEORY METHODS (1,690)☐ COMPUTER SCIENCE INFORMATION SYSTEMS (1,602)☐ COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE (999)[more options / values...](#)

Document Types

Refine☐ PROCEEDINGS PAPER (5,817)☐ ARTICLE (3,097)☐ BOOK CHAPTER (172)☐ NEWS ITEM (139)☐ EDITORIAL MATERIAL (107)[more options / values...](#)

Research Areas

☐ Authors☐ Group Authors☐ Editors☐ Source Titles☐ Book Series Titles

1.

Title: **Efficient Implementation of RFID Mutual Authentication Protocol**

Author(s): Huang, Yu-Jung; Lin, Wei-Cheng; Li, Hung-Lin

Source: IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS Volume: 59 Issue: 12 Pages: 4784-4791 DOI: 10.1109/TIE.2011.2178215 Published: DEC 2012

Times Cited: 0 (from Web of Science)

[Full Text](#)[View abstract](#)

2.

Title: **Interference Helps to Equalize the Read Range and Reduce False Positives of Passive RFID Tags**

Author(s): Krigslund, Rasmus; Popovski, Petar; Pedersen, Gert Frolund; et al.

Source: IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS Volume: 59 Issue: 12 Pages: 4821-4830 DOI: 10.1109/TIE.2011.2182020 Published: DEC 2012

Times Cited: 0 (from Web of Science)

[Full Text](#)[View abstract](#)

3.

Title: **Wavelet Fingerprinting of Radio-Frequency Identification (RFID) Tags**

Author(s): Bertoncini, Crystal; Rudd, Kevin; Noursain, Bryan; et al.

Source: IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS Volume: 59 Issue: 12 Pages: 4843-4850 DOI: 10.1109/TIE.2011.2179276 Published: DEC 2012

Times Cited: 0 (from Web of Science)

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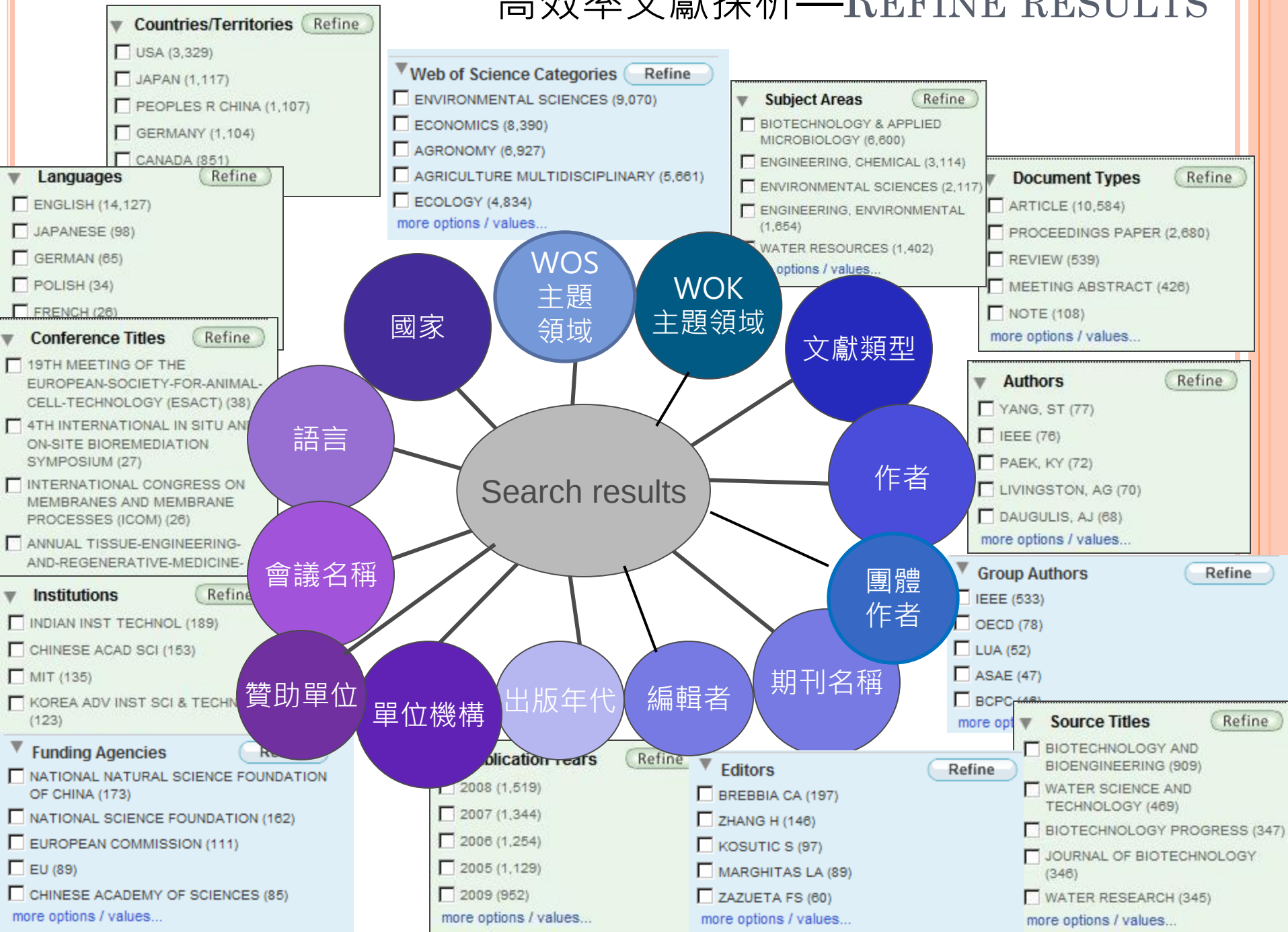
4.

Title: **A simulation approach for optimal design of RFID sensor tag-based cold chain systems**

Author(s): Kang, Yong-Shin; Jin, Heeju; Ryou, Okhyun; et al.

Source: JOURNAL OF FOOD ENGINEERING Volume: 113 Issue: 1 Pages: 1-10 DOI: 10.1016/j.jfoodeng.2012.05.036 Published: NOV 2012

高效率文獻探析—REFINE RESULTS



Results: **8,978**

Page **1** of 898 **Go**

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Refine Results

Search within results for

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☐ ENGINEERING ELECTRICAL ELECTRONIC (4,817)

☐ TELECOMMUNICATIONS (2,771)

☐ COMPUTER SCIENCE THEORY METHODS (1,890)

☐ COMPUTER SCIENCE INFORMATION SYSTEMS (1,802)

☐ COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE (999)

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☐ ARTICLE (3,097)

☐ BOOK CHAPTER (172)

☐ NEWS ITEM (139)

☐ EDITORIAL MATERIAL (107)

[more options / values...](#)

Research Areas

Authors

Group Authors

Editors

Source Titles

Book Series Titles

- ☐ 1. Title: **Fully integrated passive UHF RFID transponder IC with power**
Author(s): Karthaus, U; Fischer, M
Source: IEEE JOURNAL OF SOLID-STATE CIRCUITS Volume: 38 Is
10.1109/JSSC.2003.817249 Published: OCT 2003
Times Cited: **293** (from Web of Science)



Full Text

[View abstract](#)

- ☐ 2. Title: **RFID security and privacy: A research survey**
Author(s): Juels, A
Source: IEEE JOURNAL ON
381-394 DOI: 10.1109/JSA
Times Cited: **271** (from Web of Science)



Full Text

- ☐ 3. Title: **Antenna design for**
Author(s): Rao, KVS; Nikitin, I
Source: IEEE TRANSACTION
3870-3876 DOI: 10.1109/TA
Times Cited: **249** (from Web of Science)



Full Text

- ☐ 4. Title: **An introduction to R**
Author(s): Want, R
Source: IEEE PERSIVE CO
Published: JAN-MAR 2006
Times Cited: **203** (from Web of Science)

- Publication Date -- newest to oldest
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- Processing Date -- oldest to newest
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- Times Cited -- lowest to highest
- Relevance
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- First Author -- Z to A
- Source Title -- A to Z
- Source Title -- Z to A
- Conference Title -- A to Z
- Conference Title -- Z to A

Sort by: Publication Date -- newest to oldest

- Publication Date -- newest to oldest**
- Publication Date -- oldest to newest
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- Times Cited -- highest to lowest
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- Relevance
- First Author -- A to Z
- First Author -- Z to A
- Source Title -- A to Z
- Source Title -- Z to A
- Conference Title -- A to Z
- Conference Title -- Z to A

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ue: SI Pag

檢索結果筆數須低於10,000筆,才可進行Create Citation Report

分析工具

Results: **8,978**

Page 1 of 898 Go

Sort by: Publication Date -- newest to oldest



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Analyze Results



Create Citation Report

more options

1. Title: **Efficient Implementation of RFID Mutual Authentication Protocol**
Author(s): Huang, Yu-Jung; Lin, Wei-Cheng; Li, Hung-Lin
Source: IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS Volume: 59 Issue: 12 Pages: 4784-4791 DOI: 10.1109/TIE.2011.2178215 Published: DEC 2012
Times Cited: 0 (from Web of Science)
 [View abstract]
2. Title: **Interference Helps to Equalize the Read Range and Reduce False Positives of Passive RFID Tags**
Author(s): Krigslund, Rasmus; Popovski, Petar; Pedersen, Gert Frolund; et al.
Source: IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS Volume: 59 Issue: 12 Pages: 4821-4830 DOI: 10.1109/TIE.2011.2182020 Published: DEC 2012
Times Cited: 0 (from Web of Science)
 [View abstract]
3. Title: **Wavelet Fingerprinting of Radio-Frequency Identification (RFID) Tags**
Author(s): Bertoncini, Crystal; Rudd, Kevin; Noursain, Bryan; et al.
Source: IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS Volume: 59 Issue: 12 Pages: 4843-4850 DOI: 10.1109/TIE.2011.2179276 Published: DEC 2012
Times Cited: 0 (from Web of Science)
 [View abstract]
4. Title: **A simulation approach for optimal design of RFID sensor tag-based cold chain systems**
Author(s): Kang, Yong-Shin; Jin, Heeju; Ryou, Okhyun; et al.
Source: JOURNAL OF FOOD ENGINEERING Volume: 113 Issue: 1 Pages: 1-10 DOI: 10.1016/j.jfoodeng.2012.05.036 Published: NOV 2012

Refine Results

Search within results for

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Web of Science Categories

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☐ ENGINEERING ELECTRICAL ELECTRONIC (4,617)

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☐ COMPUTER SCIENCE INFORMATION SYSTEMS (1,602)

☐ COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE (999)

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Document Types

Refine

☐ PROCEEDINGS PAPER (5,817)

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☐ BOOK CHAPTER (172)

☐ NEWS ITEM (139)

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Research Areas

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ANALYZE RESULTS

Results Analysis

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8,978 records. Topic=(RFID)

Rank the records by this field:	Set display options:	Sort by:
Organizations Organizations-Enhanced Publication Years Research Areas	Show the top 10 Results. Minimum record count (threshold): 2	☒ Record count ☐ Selected field
Analyze		

Authors
Conference Titles
Countries/Territories
Document Types
Editors
Funding Agencies
Grant Numbers
Group Authors
Institutions
Languages
Publication Years
Source Titles
Subject Areas
Web of Science Categories

Use the checkboxes below to view the records. You can choose to view those selected records, or you can exclude them.

→ View Records ✕ Exclude Records	Field: Organizations	Record Count	% of 8978	Bar Chart
☐	GEORGIA INST TECHNOL	112	1.247 %	
☐	PUSAN NATL UNIV	84	0.936 %	
☐	KOREA UNIV	83	0.924 %	
☐	ELECT TELECOMMUN RES INST	81	0.902 %	
☐	TAMPERE UNIV TECHNOL	77	0.858 %	
☐	HONG KONG UNIV SCI TECHNOL	69	0.769 %	
☐	S CHINA UNIV TECHNOL	66	0.735 %	
☐	KOREA ADV INST SCI TECHNOL	65	0.724 %	

Use the checkboxes below to view the records. You can choose to view those selected records, or you can exclude them (and view the others).

☐ View Records ☒ Exclude Records		Field: Organizations	Record Count	% of 8978
☐		GEORGIA INST TECHNOL	112	1.247 %
☐		PUSAN NATL UNIV	84	0.936 %
☐		KOREA UNIV	83	0.924 %
☐		ELECT TELECOMMUN RES INST	81	0.902 %
☐		TAMPERE UNIV TECHNOL	77	0.858 %
☐		HONG KONG UNIV SCI TECHNOL	69	0.769 %
☐		S CHINA UNIV TECHNOL	66	0.735 %
☐		KOREA ADV INST SCI TECHNOL	65	0.724 %
☐		CHINESE ACAD SCI	63	0.702 %
☐		HONG KONG POLYTECH UNIV	63	0.702 %

Save Analysis Data to File

- Bar Chart
- ☒ Data rows displayed in table
☐ All data rows

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檔名 (N):

analyze.txt

存檔類型 (T):

文字文件

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取消

匯出ANALYZE RESULTS
至EXCEL



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插入

版面配置

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設計

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變更
圖表類型另存
為範本

類型



切換列/欄 選取資料

資料



圖表版面配置

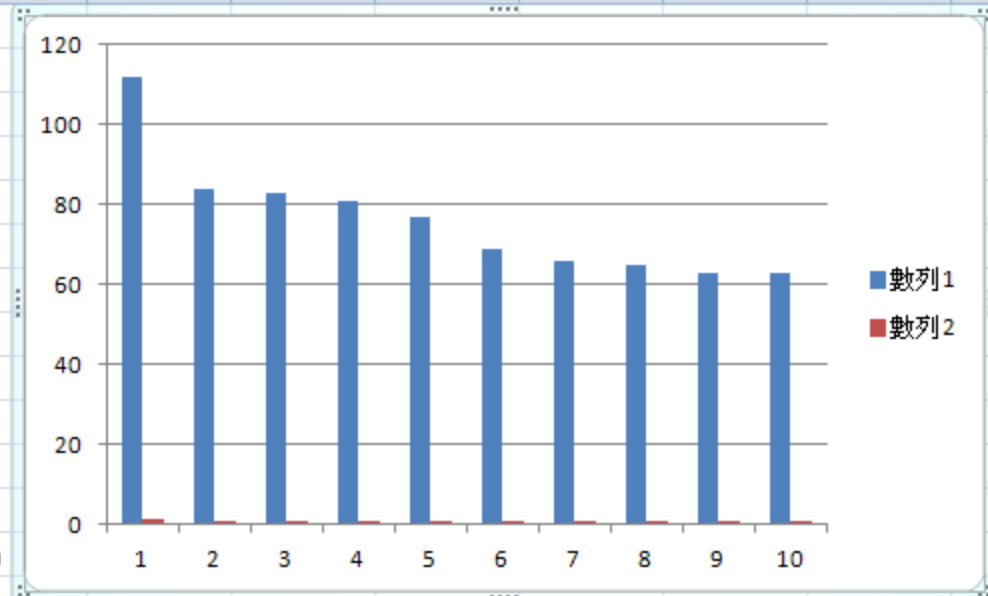


圖表樣式

圖表 2

fx

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Organizati	records	% of null										
2	GEORGIA	112	1.247										
3	PUSAN NA	84	0.936										
4	KOREA U	83	0.924										
5	ELECT TE	81	0.902										
6	TAMPERE	77	0.858										
7	HONG KO	69	0.769										
8	S CHINA U	66	0.735										
9	KOREA A	65	0.724										
10	CHINESE	63	0.702										
11	HONG KO	63	0.702										
12	(1208 Organizations value(s) outside display options.)												
13	(527(5.870%)do not contain data in the field being analyzed.)												
14													
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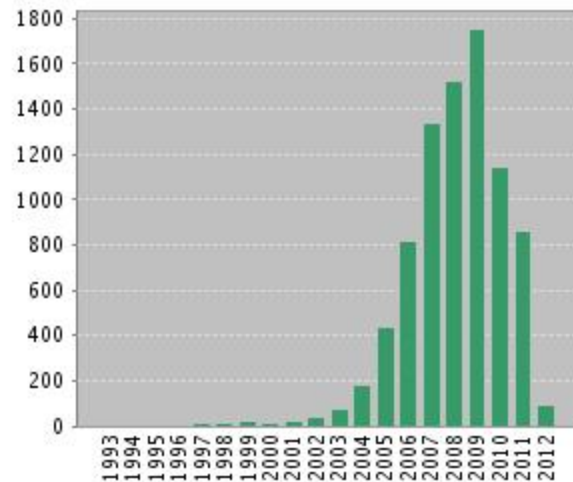


Citation Report Topic=(RFID)

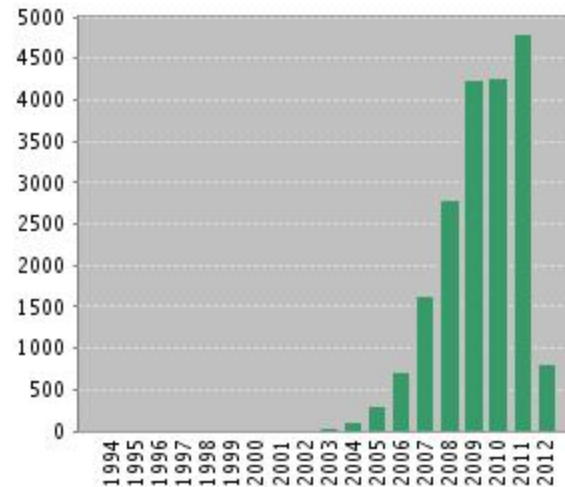
Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, CCR-EXPANDED, IC.

This report reflects citations to source items indexed within Web of Science. Perform a Cited Reference Search to include citations to items not indexed within Web of Science.

Published Items in Each Year



Citations in Each Year



Results found: 8361

Sum of the Times Cited [?]: 19746

Sum of Times Cited without self-citations [?]: 7009

Citing Articles[?]: 9543

Citing Articles without self-citations [?]: 5603

Average Citations per Item [?]: 2.36

h-index [?]: 52

Results: 8361

Page 1 of 837 Go

Sort by: Times Cited -- highest to lowest

		2008	2009	2010	2011	2012	Total	Average Citations per Year
	Use the checkboxes to remove individual items from this Citation Report or restrict to items published between 1898 and 2012 Go	2787	4249	4276	4786	805	19746	1039.26
☐ 1.	Title: Fully integrated passive UHF RFID transponder IC with 16.7-mu W minimum RF input power Author(s): Karthaus U; Fischer M Source: IEEE JOURNAL OF SOLID-STATE CIRCUITS Volume: 38 Issue: 10 Pages: 1602-1608 DOI: 10.1109/JSSC.2003.817249 Published: OCT 2003	48	60	39	29	2	281	28.10
☐ 2.	Title: RFID security and privacy: A research survey Author(s): Juels A Source: IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS Volume: 24 Issue: 2 Pages: 381-394 DOI: 10.1109/JSAC.2005.861395 Published: FEB 2006	43	71	45	38	6	243	34.71

- ☐ 9. Title: **RFID technologies: Supply-chain applications and implementation issues**
 Author(s): Angeles R
 Source: INFORMATION SYSTEMS MANAGEMENT Volume: 22 Issue: 1 Pages: 51-65 DOI: 10.1201/1078/44912.22.1.20051201/85739.7 Published: WIN 2005
- ☐ 10. Title: **Authenticating pervasive devices with human protocols**
 Author(s): Juels A; Weis SA
 Editor(s): Shoup V
 Conference: 25th Annual International Cryptology Conference Location: Santa Barbara, CA
 Date: AUG 14-18, 2005
 Sponsor(s): Int Assoc Cryptol Res; IEEE Comp Sci Tech Comm Secur & Privacy; Univ Calif Santa Barbara, Comp Sci Dept
 Source: ADVANCES IN CRYPTOLOGY - CRYPTO 2005, PROCEEDINGS Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 3621 Pages: 293-308 Published: 2005

24	38	19	21	8	127	15.88
24	27	18	14	2	119	14.88

Results: 8361

Page 1 of 837 Go

Sort by: Times Cited -- highest to lowest

Output Records

Step 1:

- ☐ Selected Records on page
☒ All records on page
☐ Records to

Step 2:



Save as text file

Save

Save as text file

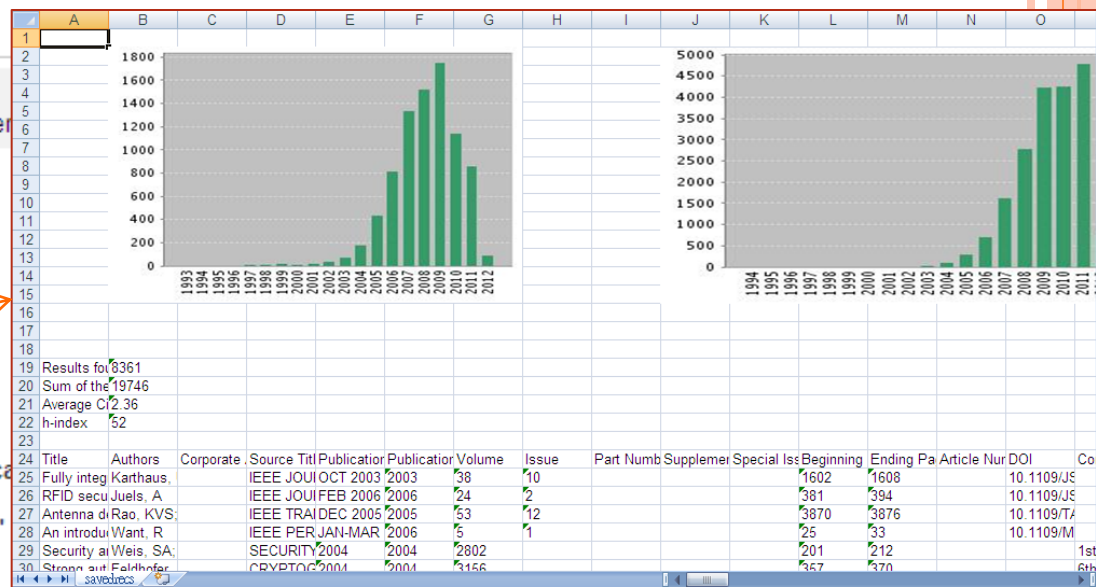
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Processing Records

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 Processing 10 records:

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19	Results for 8361
20	Sum of the 19746
21	Average C/2.36
22	h-index 52
23	
24	Title Authors Corporate Source Title Publication Publication Volume Issue Part Number Supplier Special Issue Beginning Ending Page Article Number DOI Co
25	Fully integ Karthaus, IEEE JOURNAL OCT 2003 2003 38 10
26	RFID secu Juels, A IEEE JOURNAL FEB 2006 2006 24 2
27	Antenna di Rao, KVS IEEE TRANSD 2005 2005 53 12
28	An introduct Want, R IEEE PER JAN-MAR 2006 2006 5 1
29	Security at Weis, SA SECURITY 2004 2004 2802
30	Strong out Faldhofer CRYPTO 2004 2004 3156

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2. WOS檢索

- A. 萬用字元
- B. 檢索類型介紹
- C. 檢索結果頁面
- D. 全紀錄頁面

3. 資料由多到少

- A. Refine
- B. Sort by
- C. Create Citation report
- D. Analyze Result

4. 資料由少到多

- A. References 與 Times Cited
- B. Citation Map
- C. Related Records
- D. Keyword Plus

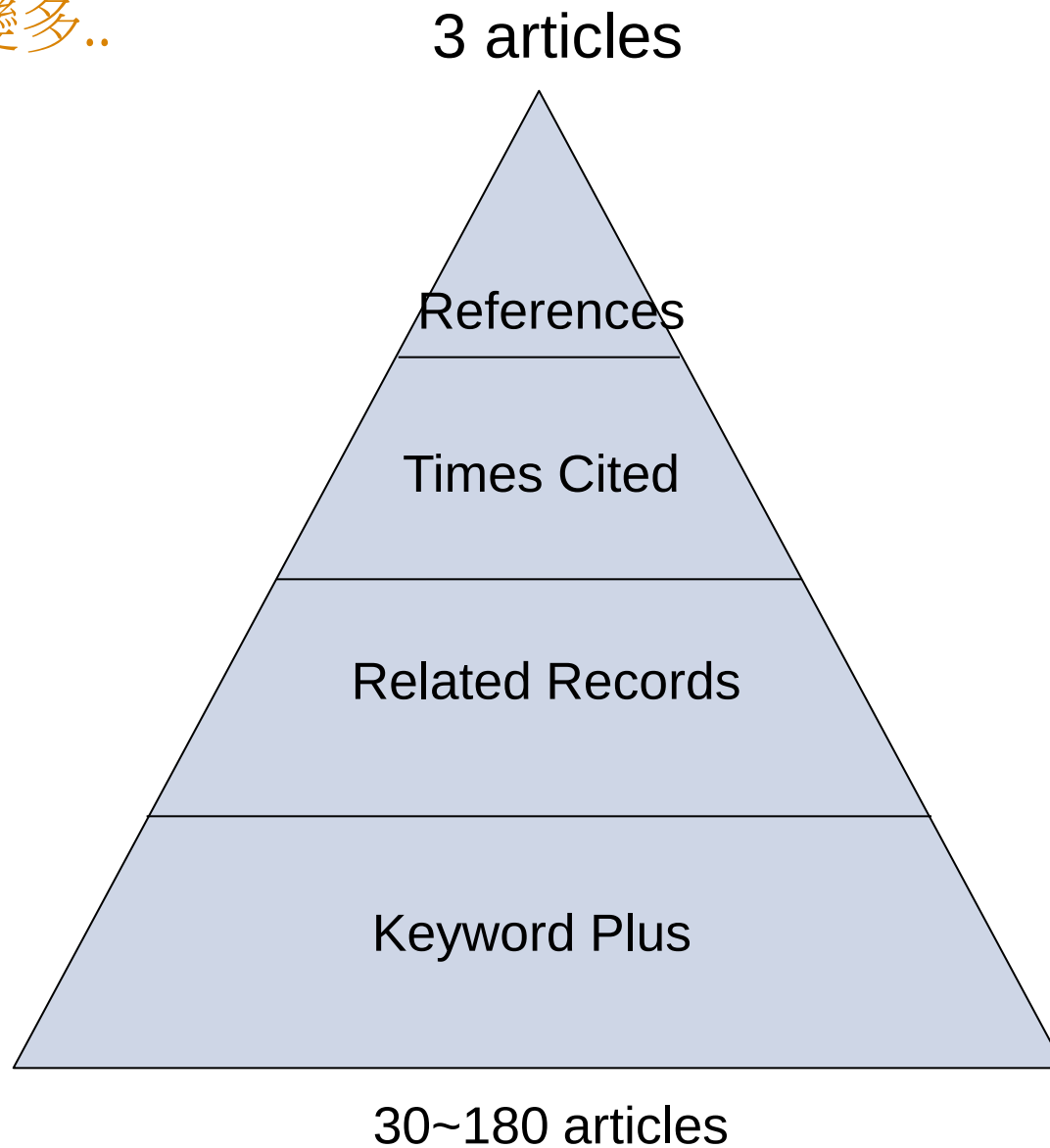
5. 其他附加功能

- A. Marked list
- B. Search History
- C. Export
- D. Create Citation Alert
- E. Additional Information

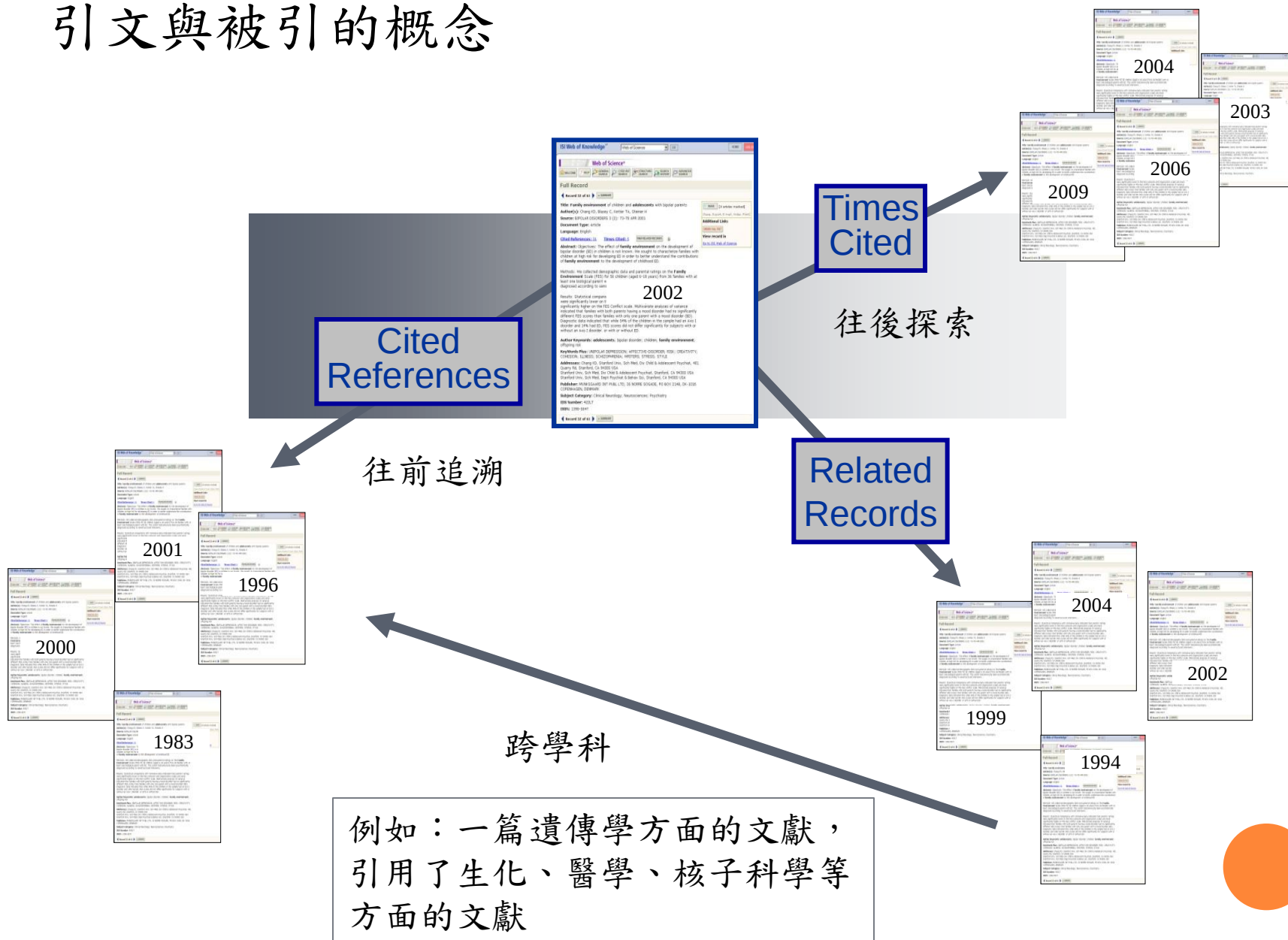
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引文與被引的概念



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A wideband frequency-shift keying wireless link for inductively powered biomedical implants

Author(s): Ghovanloo, M (Ghovanloo, M); Najafi, K (Najafi, K)

Source: IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS Volume: 51 Issue: 12 Pages: 2374-2383 DOI: 10.1109/TCSI.2004.838144 Published: DEC 2004

Times Cited: 75 (from Web of Science)

Cited References: 31 [[view related records](#)] [Citation Map](#)

Abstract: A high data-rate frequency-shift keying (FSK) modulation protocol, a wideband inductive link, and three demodulator circuits have been developed with a data-rate-to-carrier-frequency ratio of up to 67%. The primary application of this novel FSK modulation/demodulation technique is to send data to inductively powered wireless biomedical implants at data rates in excess of 1 Mbps, using comparable carrier frequencies. This method can also be used in other applications such as radio-frequency identification tags and contactless smartcards by adding a back telemetry link. The inductive link utilizes a series-parallel inductive-capacitance tank combination on the transmitter side to provide more than 5 MHz of bandwidth. The demodulator circuits detect data bits by directly measuring the duration of each received FSK carrier cycle, as well as derive a constant frequency clock, which is used to sample the data bits. One of the demodulator circuits, digital FSK, occupies 0.29 mm² in the AMI 1.5-μm, 2M/2P, standard CMOS process, and consumes 0.38 mW at 5 V. This circuit is simulated up to 4 Mbps, and experimentally tested up to 2.5 Mbps with a bit error rate of 10⁻⁵, while receiving a 5/10-MHz FSK carrier signal. It is also used in a wireless implantable neural microstimulation system.

Accession Number: WOS:000225484600005

Document Type: Article

Language: English

Author Keywords: biomedical implants; CMOS; data rate; demodulator; inductive coupling; frequency-shift keying (FSK); radio frequency (RF); RF identification (RFID); wireless

KeyWords Plus: SYSTEM; STIMULATION; DESIGN; COILS; CHIP

Reprint Address: Ghovanloo, M (reprint author), N Carolina State Univ, Dept Elect & Comp Engr, Bion Lab, Raleigh, NC 27695 USA

Addresses:

Times Cited: 78

This article has been cited 78 times in Web of Knowledge.

Hannan, Mahammad A. Modulation Techniques for Biomedical Implanted Devices and Their Challenges. SENSORS, JAN 2012.

Aubert, Herve. RFID technology for human implant devices. COMPTES RENDUS PHYSIQUE, SEP 2011.

Nabovati, Ghazal. Ultra-low power self-calibrating process-insensitive BPSK demodulator for bio-implantable chips. IEICE ELECTRONICS EXPRESS, JUN 10 2011.

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Title: **A wideband frequency-shift keying wireless link for inductively powered biomedical implants**

Author(s): Ghovanloo M ; Najafi K

Source: IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS Volume: 51 Issue: 12 Pages: 2374-2383 DOI: 10.1109/TC.SI.2004.838144 Published: DEC 2004

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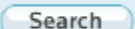
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1. Title: **Modulation Techniques for Biomedical Implanted Devices and Their Challenges**

Author(s): Hannan Mohammad A.; Abbas Saad M.; Samad Salina A.; et al.

Source: SENSORS Volume: 12 Issue: 1 Pages: 297-319 DOI: 10.3390/s120100297 Published: JAN 2012

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Author(s): Ghovanloo M ; Najafi K

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Author(s): Abrial A; Bouvier J; Renaudin M; et al.
Conference: 26th European Solid-State Circuit Conference (ESSCIRC) Location: STOCKHOLM, SWEDEN Date: SEP 19-21, 2000
Source: IEEE JOURNAL OF SOLID-STATE CIRCUITS Volume: 36 Issue: 7 Pages: 1101-1107 DOI: 10.1109/4.933467 Published: JUL 2001
Times Cited: 43 (from Web of Science)
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Author(s): CHA KH; HORCH K; NORMANN RA
Source: ANNALS OF BIOMEDICAL ENGINEERING Volume: 20 Issue: 4 Pages: 439-449 DOI: 10.1007/BF02368135 Published: 1992
Times Cited: 87 (from Web of Science)
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- ☒ 3. Title: [not available]
Author(s): FINKENZELLER K
Source: RFID HDB Published: 2003
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- ☐ 1. Title: **A wideband wireless microstimulating AISC for cochlear implant**
Author(s): Dong M; Zhang C; Mai SP; et al.
Book Group Author(s): IEEE
Conference: 17th International Conference on Microelectronics Location: Islamabad, PAKISTAN Date: DEC 13-15, 2005
Sponsor(s): Univ Engn & Technol; IEEE; Univ Waterloo
Source: 17th ICM 2005: 2005 International Conference on Microelectronics, Proceedings Pages: 274-278 Published: 2005
Times Cited: 0 (from Web of Science)

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- ☐ 2. Title: **A simple antenna design of Implantable RFID based on EFAB technology**
Author(s): Guo Donghui; Chen Huajun; Cheng L. L.
Editor(s): Kong JA
Conference: Progress in Electromagnetics Research Symposium (PIERS 2008)
Location: Hangzhou, PEOPLES R CHINA Date: MAR 24-28, 2008
Sponsor(s): Zhejiang Univ; Natl Nat Sci Fdn China; Natl Key Lab Space Microwave Technol; Zhejiang Univ, Electromagnet Acad; Zhejiang Univ, Coll Info Sci & Engn; MIT, Ctr Electromagnet Theory & Applicat, Res Lab Elect; Electromagnet Acad
Source: PIERS 2008 HANGZHOU: PROGRESS IN ELECTROMAGNETICS RESEARCH

- ☐ 10. Title: **A wireless implantable multichannel micro stimulating system-on-a-chip with modular architecture**

Author(s): Ghovanloo Maysam; Najafi Khalil

Source: IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING Volume: 15 Issue: 3 Pages: 449-457 DOI: 10.1109/TNSRE.2007.903970 Published: SEP 2007

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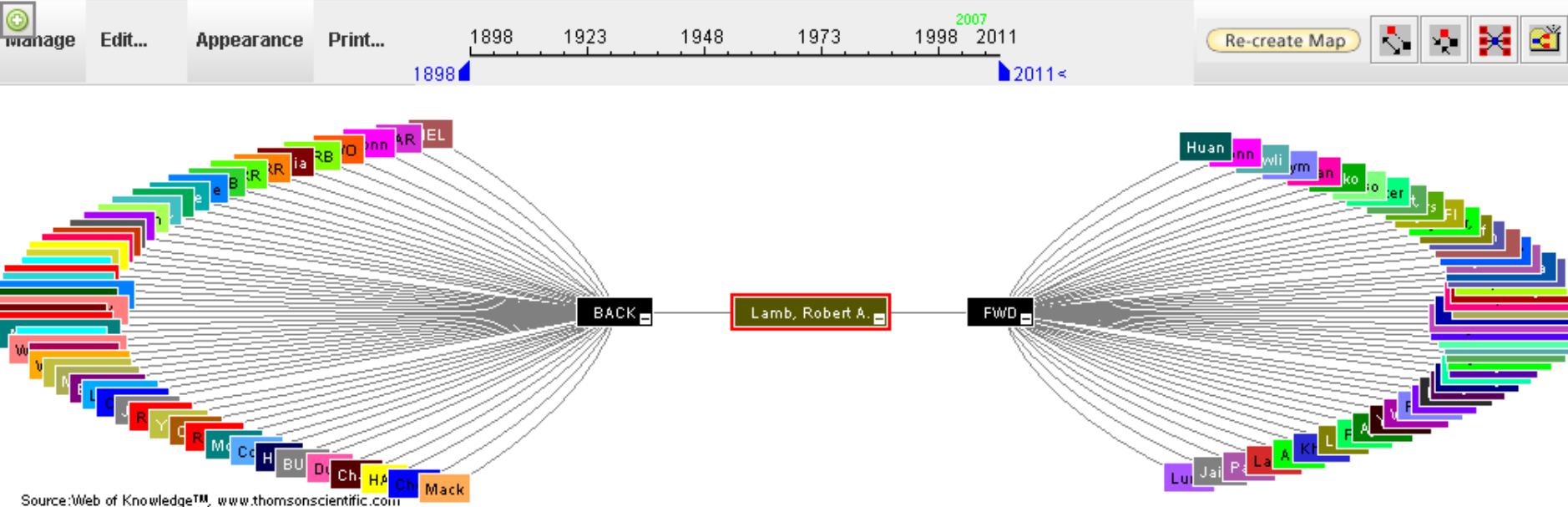
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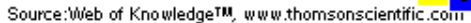
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编号/标题	WOS:000250423800007 / Structural basis of viral invasion: lessons from paramyxovirus F
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191.

Title: **DYNAMIC INTERACTION BETWEEN STRATEGY AND TECHNOLOGY**

Author(s): ITAMI H; NUMAGAMI T

Source: STRATEGIC MANAGEMENT JOURNAL Volume: 13 Special Issue: SI Pages: 119-135 DOI: 10.1002/smj.4250130909 Published: WIN 1992

Times Cited: 53 (from Web of Science)



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192.

Title: **Advanced manufacturing technology: Organizational design and strategic flexibility**

Author(s): Lei D; Hitt MA; Goldhar JD

Source: ORGANIZATION STUDIES Volume: 17 Issue: 3 Pages: 501-523 DOI: 10.1177/017084069601700307 Published: 1996

Times Cited: 53 (from Web of Science)



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193.

Title: **A classification of literature on determining the lot size under quantity discounts**

Author(s): Benton WC; Park S

Source: EUROPEAN JOURNAL OF OPERATIONAL RESEARCH Volume: 92 Issue: 2 Pages: 219-238 DOI: 10.1016/0377-2217(95)00315-0 Published: JUL 19 1996

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Author(s): Sun TL; Feng L; Gao XF; et al.

Source: ACCOUNTS OF CHEMICAL RESEARCH Volume: 38 Issue: 8 Pages: 644-652 DOI: 10.1021/ar040224c Published: AUG 2005

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Transformation of the nitrogen cycle: Recent trends, questions, and potential solutions

Author(s): Galloway, JN (Galloway, James N.)¹; Townsend, AR (Townsend, Alan R.)^{2,3}; Erisman, JW (Erisman, Jan Willem)⁴; Bekunda, M (Bekunda, ZC (Cai, Zucong)⁶; Freney, JR (Freney, John R.)⁷; Martinelli, LA (Martinelli, Luiz A.)⁸; Seitzinger, SP (Seitzinger, Sybil P.)⁹; Sutton, MA (Sutton, Mark A.)¹¹

Source: SCIENCE Volume: 320 Issue: 5878 Pages: 889-892 DOI: 10.1126/science.1136674 Published: MAY 16 2008

Times Cited: 222 (from Web of Science)

Cited References: 40 [view related records] Citation Map

Abstract: Humans continue to transform the global nitrogen cycle at a record pace, reflecting an increased combustion of fossil fuels, growing demand in agriculture and industry, and pervasive inefficiencies in its use. Much anthropogenic nitrogen is lost to air, water, and land to cause a cascade of environmental and human health problems. Simultaneously, food production in some parts of the world is nitrogen-deficient, highlighting inequities in the distribution of containing fertilizers. Optimizing the need for a key human resource while minimizing its negative consequences requires an integrated interdisciplinary approach and the development of strategies to decrease nitrogen-containing waste.

Document Type: Review

Language: English

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Denning, Anna. Big challenges and nanosolutions. NANOTECHNOLOGY, JUL 22 2011.

[view all 236 citing articles]

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Transformation of the nitrogen cycle: Recent trends, questions, and potential solutions

Author(s): Galloway, JN (Galloway, James N.)¹; Townsend, AR (Townsend, Alan R.)^{2,3}; Erismann, JW (Erismann, Jan Willem)⁴; Bekunda, M (Bekunda, ZC (Cai, Zucong)⁶; Freney, JR (Freney, John R.)⁷; Martinelli, LA (Martinelli, Luiz A.)⁸; Seitzinger, SP (Seitzinger, Sybil P.)⁹; Sutton, MA (Sutton, Mark A.)¹¹

Source: SCIENCE Volume: 320 Issue: 5878 Pages: 889-892 DOI: 10.1126/science.1136674 Published: MAY 16 2008

Times Cited: 222 (from Web of Science)

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Abstract: Humans continue to transform the global nitrogen cycle at a record pace, reflecting an increased combustion of fossil fuels, growing demand in agriculture and industry, and pervasive inefficiencies in its use. Much anthropogenic nitrogen is lost to air, water, and land to cause a cascade of environmental and human health problems. Simultaneously, food production in some parts of the world is nitrogen-deficient, highlighting inequities in the distribution of containing fertilizers. Optimizing the need for a key human resource while minimizing its negative consequences requires an integrated interdisciplinary approach and the development of strategies to decrease nitrogen-containing waste.

Document Type: Review

Language: English

Denning, Anna. *Big challenges and nanosolutions*. NANOTECHNOLOGY, JUL 22 2011.

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☐ 1.



Title: **Fully integrated passive UHF RFID transponder IC with 16.7-mu W minimum RF input power**

Author(s): Karthaus, U; Fischer, M

Source: IEEE JOURNAL OF SOLID-STATE CIRCUITS Volume: 38 Issue: 10 Pages: 1602-1608 DOI: 10.1109/JSSC.2003.817249 Published: OCT 2003

Times Cited: 293 (from Web of Science)



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Title: **RFID security and privacy: A research survey**

Author(s): Juels, A

Source: IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS Volume: 24 Issue: 2 Pages: 381-394 DOI: 10.1109/JSAC.2005.861395 Published: FEB 2006

Times Cited: 271 (from Web of Science)



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Title: **Antenna design for UHF RFID tags: A review and a practical application**

Author(s): Rao, KVS; Nikitin, PV; Lam, SF

Source: IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION Volume: 53 Issue: 12 Pages: 3870-3876 DOI: 10.1109/TAP.2005.859919 Published: DEC 2005

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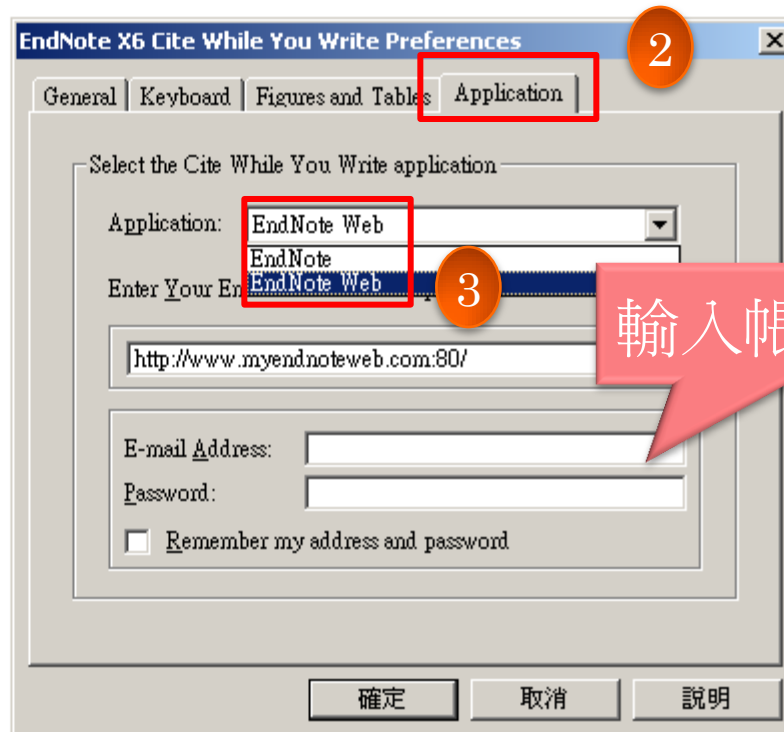
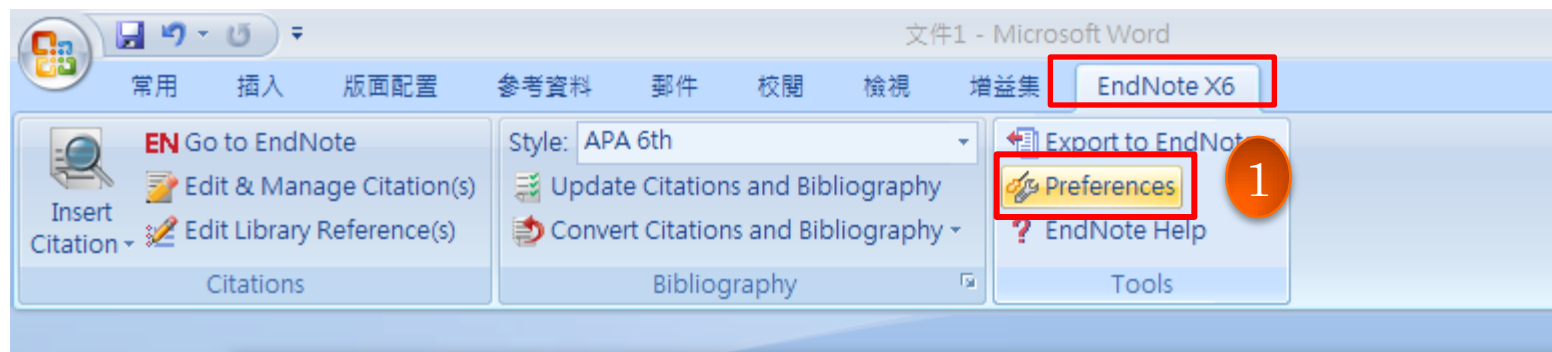
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Author: Angeles, R.

Year: 2005

Title: RFID technologies: Supply-chain applications and implementation issues

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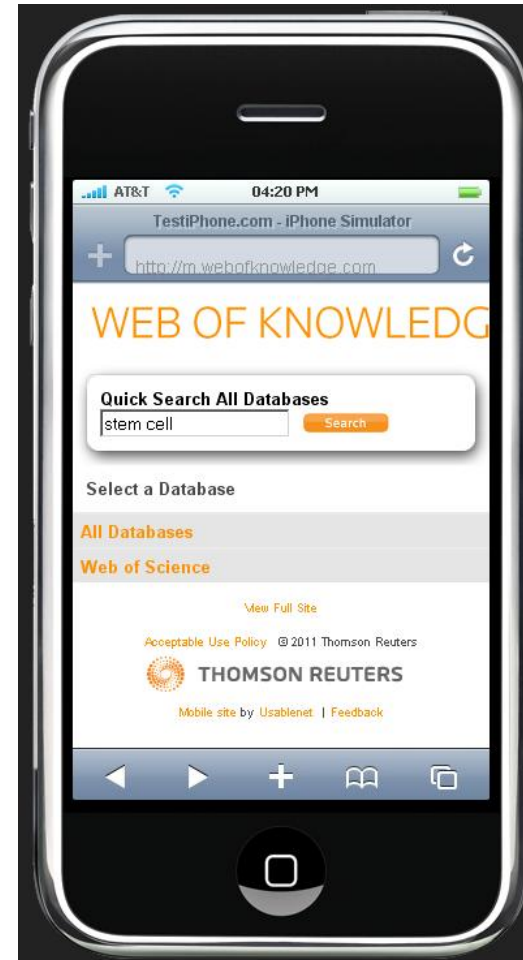
This study investigates the relation of psychosocial variables to the 20-year incidence of myocardial infarction or coronary death among women in the Framingham Study. (Angeles, 2005)⁴⁹

參考書目

Angeles, R. (2005). RFID technologies: Supply-chain applications and implementation issues. *Information Systems Management*, 22(1), 51-65. doi: 10.1201/1078/44912.22.1.20051201/85739.7⁴⁹

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