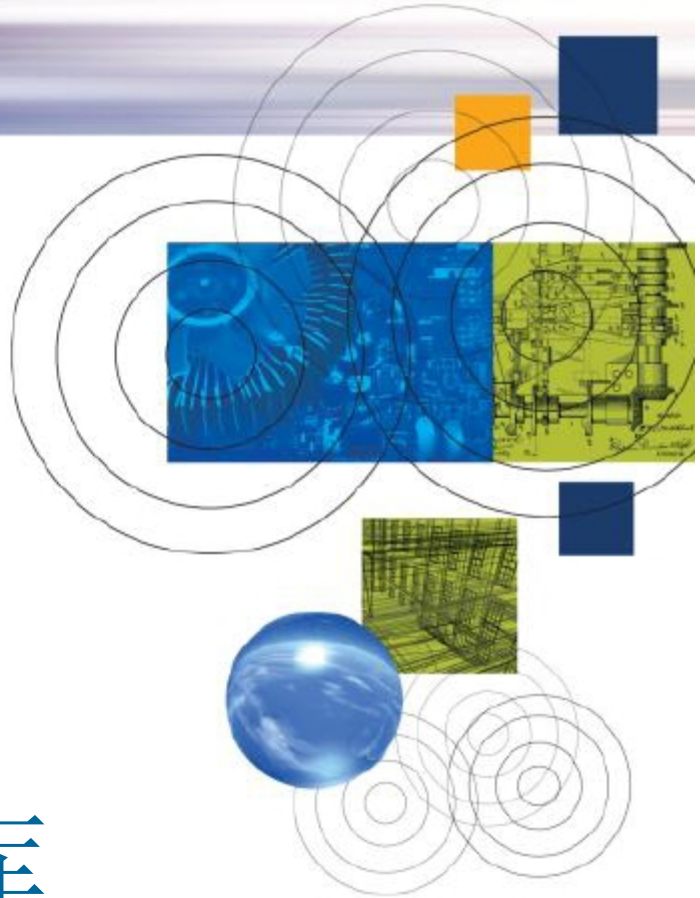

Elsevier
EI Compendex 数据库

Engineering Village

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世界著名三大检索工具之一

- EI 工程索引 Engineering Index

由Elsevier工程信息公司(Elsevier Engineering Information Inc.，原美国工程信息公司)出版，创刊于1884年,主要提供应用科学和工程领域信息，是世界工程领域内学术文献最主要、最权威的综合性检索工具之一。

是国际公认的进行科学统计与科学评价的主要检索工具，其收录论文状况是评价国家、单位和科研人员的成绩、水平及进行奖励的重要依据之一。

- SCI 科学引文索引 Science Citation Index （我校1997年至今）
- CPCI-S (原ISTP) 科技会议录引文索引（我校2004年至今）

Conference Proceedings Citation Index–Science

由汤森路透公司(Thomson Reuters) 出版，可在web of science (WOS)平台上同时检索。

EI compendex

EI为文摘库，不提供全文信息，但有全文链接

为EI 网络版，数据包括了EI核心数据和扩展数据，其核心数据与EI印刷版和光盘版是一致的；

EV是“Engineering Village”的缩写，是EI检索平台，该平台除提供compendex检索外，还提供其他数据库的检索，如Inspec等数据库。

Elsevier爱思唯尔公司，是一家著名的荷兰出版发行商，出版期刊、图书专著、教科书和参考书的纸版和电子版，其旗舰产品：ScienceDirect, Scopus，Compendex，Inspect等.

一般说的Elsevier数据库，指Elsevier SD(ScienceDirect)，为全文库，我校购买了该库工程、计算机、物理和管理四个学科相关信息。

文摘库优势

1、收录范围广、数据量大、文献类型齐全
完备的索引系统，数据经过筛选质量高。

2、是查找全文文献的重要和必要线索
通过阅读文摘，判断是否需要下载或查找全文。

3、了解与某课题或某研究领域相关的研究状况，把握研究前沿动态，判断课题的新颖性。

4、通过看英文摘要，了解其他非英语国家的研究成果。

Compendex

- 收录年代：1969年至今
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- 资料量：4100 多种期刊，88300各类会议论文集和87000多个技术报告，超过 1880 万篇，每年新增文献100多万篇
- 包含 190 种工程领域学科，如：生物工程、计算机和数据处理、应用物理及光学、电子和通信、控制工程、机械工程、材料工程、交通运输等。
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（数据统计截止到2016年2月）

Compendex

Ei Compendex cross-disciplinary areas

Ei Compendex related areas

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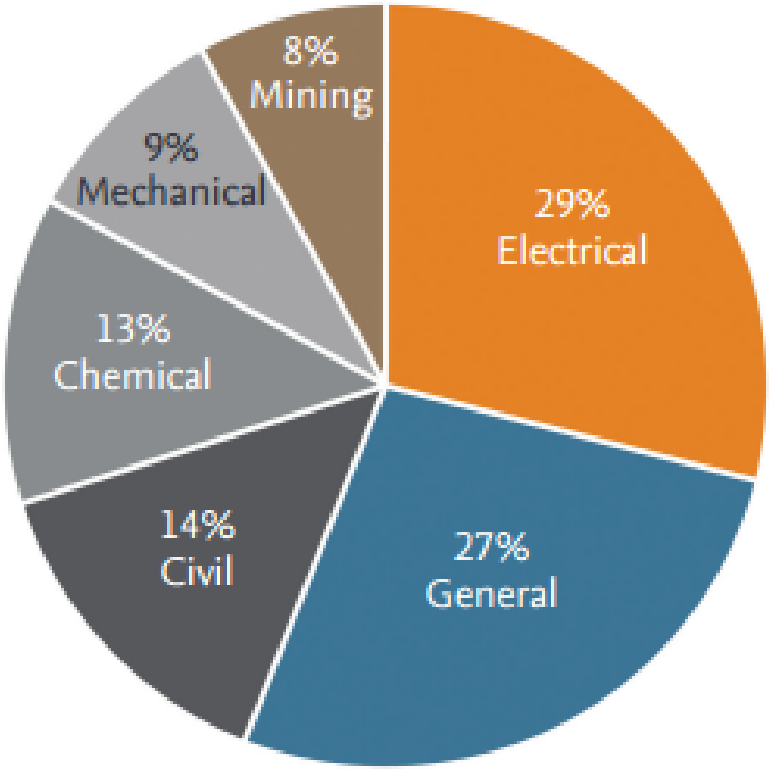

Compendex

TOP 5 reasons to use Ei Compendex on Engineering Village[2]

1. Saves time and improves research success
2. Comprehensive search results
3. Controlled vocabulary
4. Easy to navigate
5. Interactive tutorials and helpful search features

Who uses Engineering Village?

96% of US
top 25 universities
(US News & World Report)

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所有题名 ▾ 查找馆藏纸本图书、期刊 检 索

说明：查找馆藏纸本书刊等资源，常用链接有随书光盘、新书通报；查找全国高校馆藏，请使用E读。

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CSSCI中文社会科学引文索引	检索工具	综合	介绍
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SSCI（社会科学引文索引）	检索工具	综合	介绍
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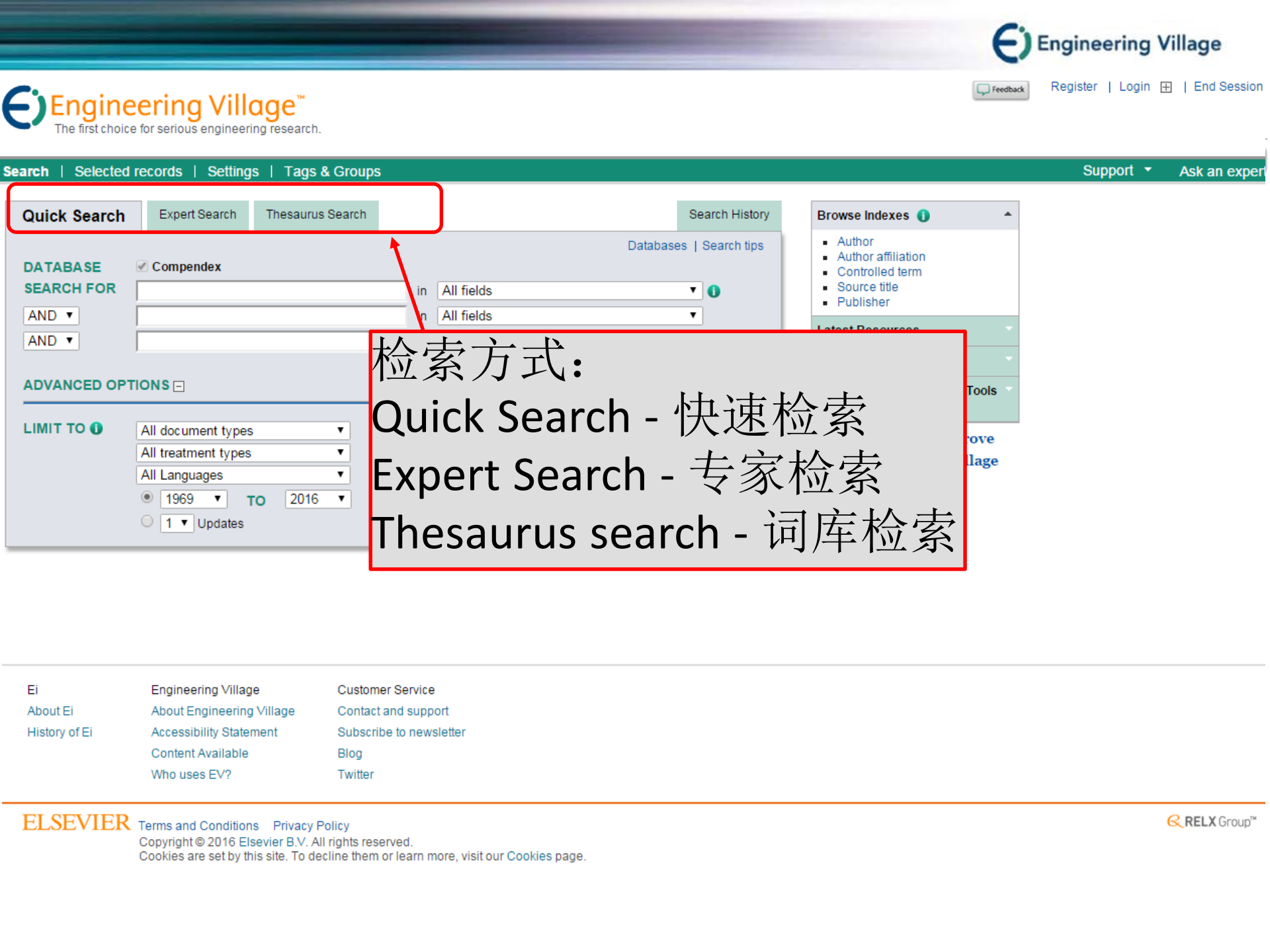
Essential Science Indicators（ESI）	检索工具	综合	介绍
ICR 期刊分区数据在线平台（中科院）	检索工具	综合	介绍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Quick Search – 快速检索

Quick Search

Add Search field – 增加检索字段

Search field –检索字段

All fields	所有字段（默认）
Subject/Title/Abstract	主题词/标题/摘要
Abstract	摘要
Author	作者
Author affiliation	作者单位
Title	篇名
Publisher	出版商
Source title	刊名
Controlled term	Ei受控词
Ei classification code	EI分类号，是数据库赋予某一类文献的指定分类代码

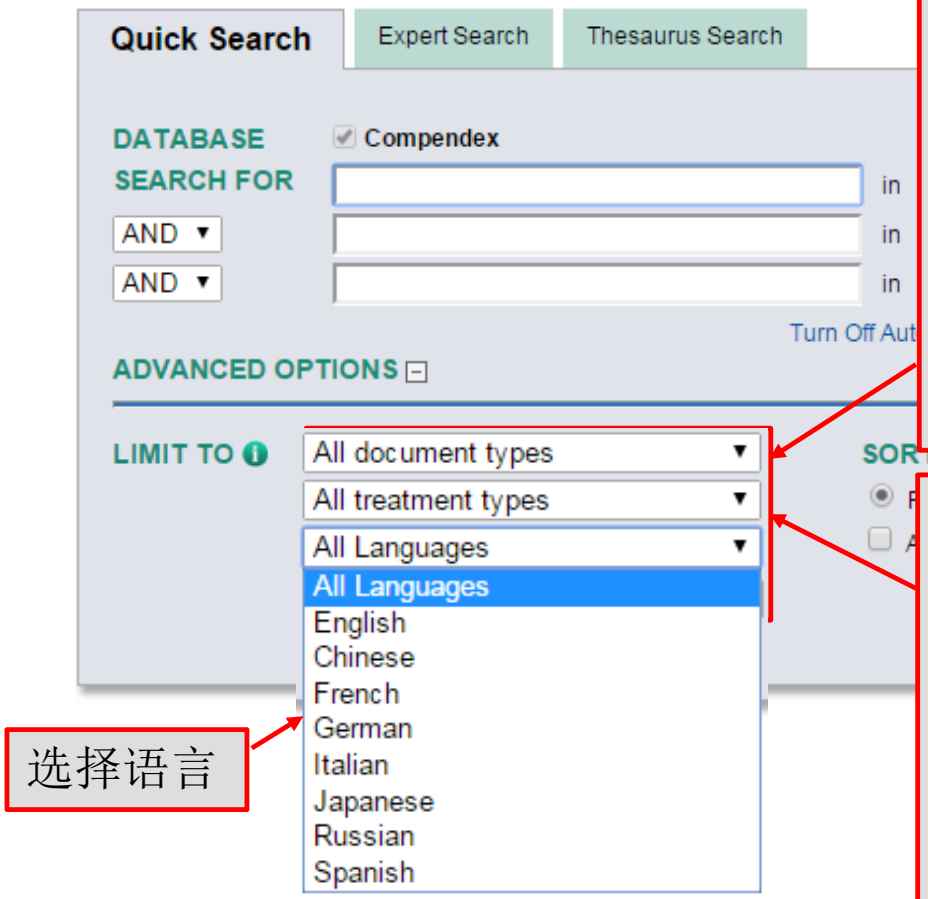
Search field –检索字段

主题词/标题/摘要（Subject/Title/Abstract）

将从以下字段中检索：

- 摘要（Abstract）
- 题目（Title）
- 翻译的题目（Translated title）
- Ei受控词（Ei controlled terms）
- Ei主标题词（Ei main heading）
- 自由词（Uncontrolled terms）

LIMIT TO– 限定检索范围



选择语言

文献类型：出版物类型
All document types(default):全部(默认)
Journal article：期刊论文
Conference article：会议论文
Conference proceeding：会议录
Monograph chapter：专题论文
Monograph review：专题综述
Report chapter：专题章节
Report review：综述报告
Dissertation学位论文
Unpublished paper：未出版文献

处理类型:说明文献的研究方法及所探讨主题的类型
All treatment types：全部（默认)
Applications：应用
Biographical：传记
Economic：经济
Experimental：实验
General Review：一般性综述
Historical：历史
Literature Review：文献综述
Management Aspects：管理方面
Numerical：数值
Theoretical：理论

组合顺序

如果三个文本框中均有输入，快速检索（Quick Search）总是先合并检索前两个文本框中的词，然后再检索第三个文本框中的词。

a AND b OR c 检索的顺序为（a AND b）OR c
a OR b AND c 检索的顺序为（a OR b）AND c
a OR b NOT c 检索的顺序为（a OR b）NOT c

检索技巧-通配符

- 右截词 (*)
  - 输入comput*，可找到

    computer

    computers

    computerize

    computerization

- 万用字符(?)
  - 使用问号可以代表一个字母
  - 例如输入wom?n，可以找到 woman 或 women的资料

检索技巧

- 选中Autostemming off，关掉自动取词干功能，
  不选，输入的词自动用截词检索

- {}或“”表示精确检索

  “near field scanning”

  精确检索中截词符失效
  用“near field scan*” 检索不到“near field scanning”

- 用NEAR 或 ONEAR 实现邻近检索

检索技巧

ONEAR/n指定检索词的先后顺序，中间插入n个词。
如： energy ONEAR/1 policy
可检索出energy policy
energy policies
energy efficiency policy

NEAR 词序不定
如：Solar NEAR/0 energy
可检索出energy solar 与 solar energy

NEAR和ONEAR为词干检索，可连用，但不支持截词符、通配符、括号或引号。

检索技巧

作者检索要考虑作者姓名拼写的各种方式

如：“张建国”可能会有如下拼写方式

zhang jianguo

zhang jian guo

zhang jian-guo

jianguo zhang

jian guo zhang

jian-guo zhang

zhang j g

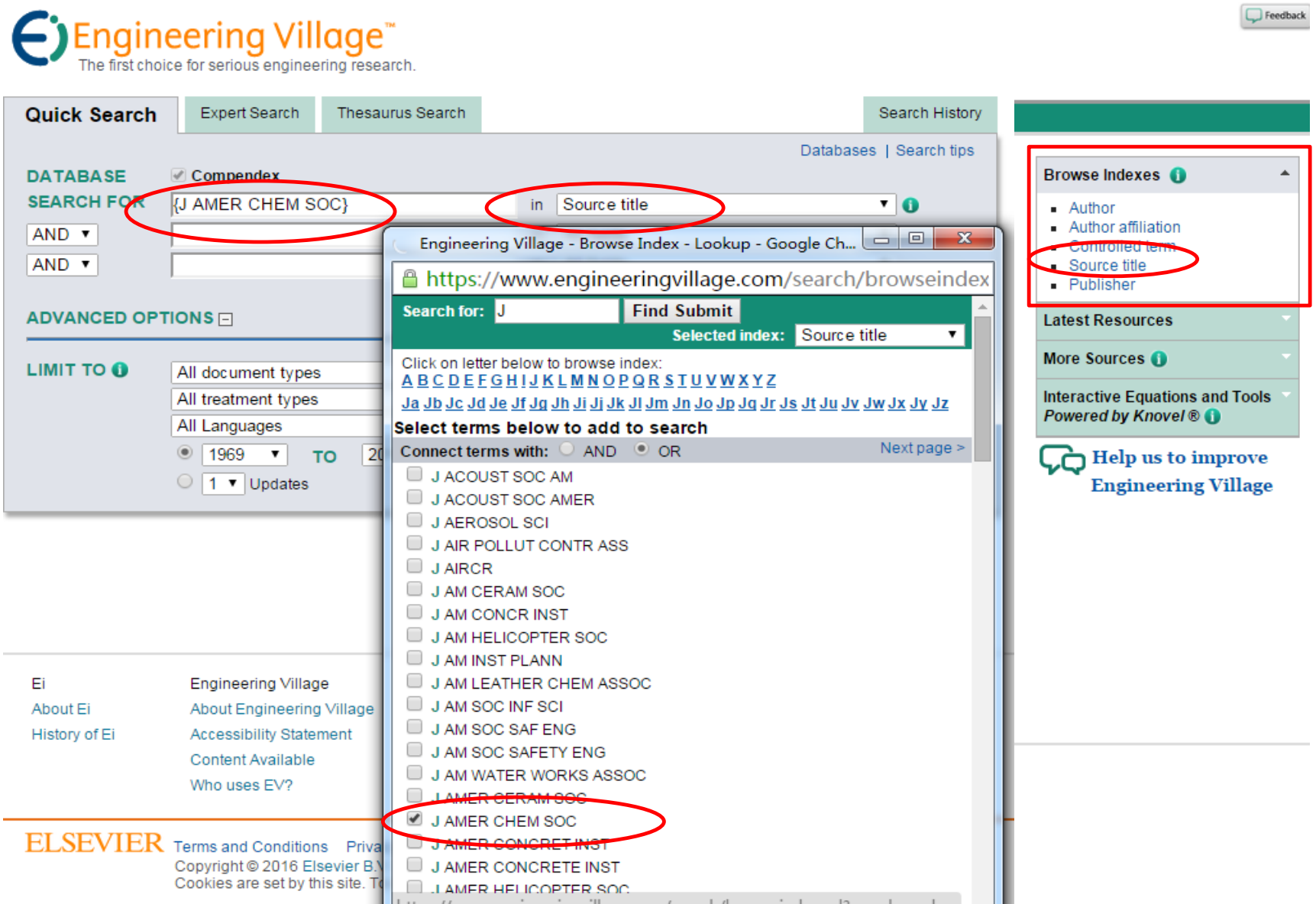
zhang j

通常可以用作者单位(Author affiliation)辅助定位检索

如北邮地址可用：100876 OR posts OR bupt

Search history– 检索历史

Browse indexes–查找索引



检索结果

检索方式、条件与检索结果

选择每页显示的文献数量，最多100篇/页

二次检索

-图表显示
-导出数据
-展示/关闭限缩

文献内容-详细格式/摘要预览/ Scopus中被引次数/全文链接

Engineering Village

Quick Search
786705 articles found in Compendex for 1969-2016: ((stress) WN All fields)

New Search | Edit | Save Search | Create Alert | RSS feed

Display: 25 results per page

1 of 31469 Go | Next

Refine results
Limit to | Exclude
Add a term

Author
Wang, Wei (507)
Zhang, Wei (460)
Wang, Jun (403)
Li, Wei (391)
Wang, X. (382)
View more

Author affiliation
Univ Of California (1342)
Imec (765)
Sandia National Laboratories (765)
Department Of Geotechnical Engineering, Tongji University (736)
State Key Laboratory Of Geomechanics And Geotechnical Engineering, Institute Of... (729)
View more

Controlled vocabulary
Classification code
Country
Document type
Language
Year
Source title
Publisher
Limit to | Exclude

Run new search with selected

Select: Selected Records (0) | Remove all Selected Records
Print | Download
Sort by: Relevance

1. of lithiation-induced stress in silicon nanoparticles using micro-Raman spectroscopy
Zeng, Zhidan (Department of Geological Sciences, Stanford University, Stanford; CA, United States); Liu, Nian; Zeng, Qiaoshi; Lee, Seok Woo; Mao, Wendy L.; Cui, Yi
Source: Nano Energy, v 22, p 105-110, April 01, 2016
Full Text

2. nsity factor along a small in
niversity of Technology, 1603-1 Ka
res, v 71, p 156-168, 2015
Cited by in Scopus (1) | Fu

3. Thermal-poro elastic stress effect on stress reorie
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4. Str
Wu
Tang; Chai, Chang-Chun; Li, Yue-Jin; Wang, Jia-You; Li, Bin; Li
Database: Compendex
Detailed | Show preview | Cited by in Scopus (3) | Fu

4. Structure-dependent behavior of stress-induced vo
Wu, Zhen-Yu (Key Laboratory, Ministry of Education for Band-Ga
Tang; Chai, Chang-Chun; Li, Yue-Jin; Wang, Jia-You; Li, Bin; Liu
Database: Compendex
Detailed | Hide preview | Cited by in Scopus (3) | Full
Stress modeling and cross-section failure analysis by focused-ion
voiding mechanism and the effect of the interconnect structure on
appears and voids form at corners of vias on top surfaces of Cu M
chemical potential under tensile stress and diffuse under the force
determines the voiding rate. Cu interconnects with larger vias sho
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SD Structure-dependent behavior of stress-induced voiding in Cu i...
www.sciencedirect.com/science/article/pii/S00406090902115

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Structure-dependent behavior of stress-induced voiding in Cu interconnects
Wu Z-Y., Yang Y.-T., Chai C.-C., Li Y.-J., Wang J.-Y., Li B., Liu J.
(2010) Thin Solid Films, 518 (14), pp. 3778-3781.
施引文献: 设置馈送流
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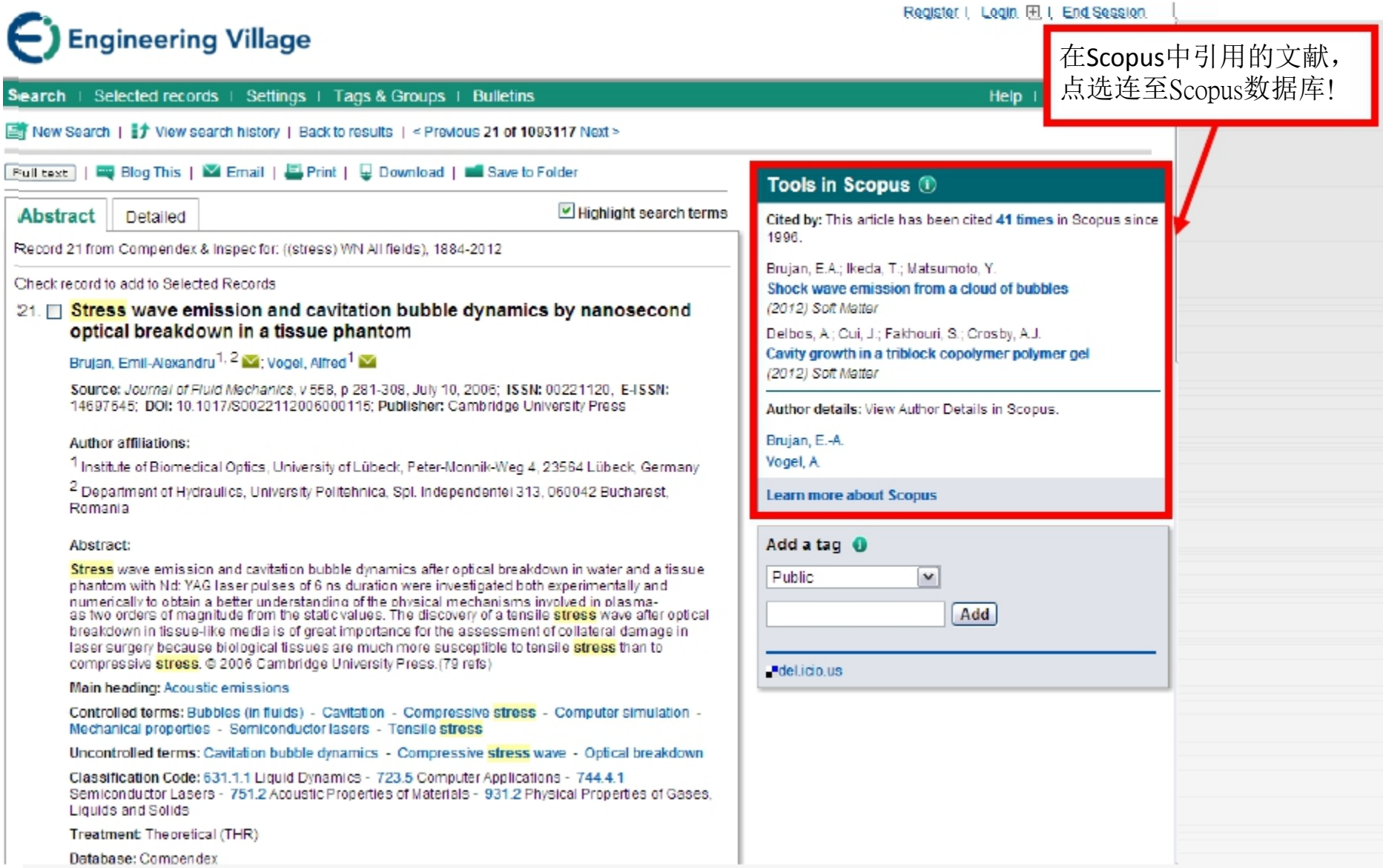
Refine
限制范围 | 排除
年份
2012 (2)
2010 (1)
作者姓名
Feng-Li, J. (1)
Fiodlor, H. (1)
Gessnera, T. (1)
Hermann, S. (1)
Hetschold, M. (1)
学科类别
Engineering (2)
Materials Science (2)
Distinguishing between individual contributions to the via resistance in carbon nanotubes based interconnects
显示摘要 | 相关文献
Finite element analysis of thermal stress for different Cu interconnects structure
显示摘要 | 相关文献
Exemplified calculation of stress migration in a 90nm node via structure
显示摘要 | 相关文献
每页显示 20 个搜索结果

文献内容：摘要形式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Full text | Blog This | Email | Print | Download | Save to Folder
Abstract | Detailed
Highlight search terms
Record 21 from Compendex & Inspec for: ((stress) WN All fields), 1884-2012
Check record to add to Selected Records
21. Stress wave emission and cavitation bubble dynamics by nanosecond optical breakdown in a tissue phantom
Brujan, Emil-Alexandru[1, 2]; Vogel, Alfred[1]
Source: Journal of Fluid Mechanics, v 558, p 281-308, July 10, 2006; ISSN: 00221120, E-ISSN: 14697645; DOI: 10.1017/S0022112006000115; Publisher: Cambridge University Press
Author affiliations:
[1] Institute of Biomedical Optics, University of Lübeck, Peter-Monnik-Weg 4, 23564 Lübeck, Germany
[2] Department of Hydraulics, University Politehnica, Spl. Independentei 313, 060042 Bucharest, Romania
Abstract:
Stress wave emission and cavitation bubble dynamics after optical breakdown in water and a tissue phantom with Nd: YAG laser pulses of 6 ns duration were investigated both experimentally and numerically to obtain a better understanding of the physical mechanisms involved in plasma- as two orders of magnitude from the static values. The discovery of a tensile stress wave after optical breakdown in tissue-like media is of great importance for the assessment of collateral damage in laser surgery because biological tissues are much more susceptible to tensile stress than to compressive stress. © 2006 Cambridge University Press.(79 refs)
Main heading: Acoustic emissions
Controlled terms: Bubbles (in fluids) - Cavitation - Compressive stress - Computer simulation - Mechanical properties - Semiconductor lasers - Tensile stress
Uncontrolled terms: Cavitation bubble dynamics - Compressive stress wave - Optical breakdown
Classification Code: 631.1.1 Liquid Dynamics - 723.5 Computer Applications - 744.4.1 Semiconductor Lasers - 751.2 Acoustic Properties of Materials - 931.2 Physical Properties of Gases, Liquids and Solids
Treatment: Theoretical (THR)
Database: Compendex
Tools in Scopus
Cited by: This article has been cited 41 times in Scopus since 1996.
Brujan, E.A.; Ikeda, T.; Matsumoto, Y.
Shock wave emission from a cloud of bubbles
(2012) Soft Matter
Delbos, A.; Cui, J.; Fakhouri, S.; Crosby, A.J.
Cavity growth in a triblock copolymer polymer gel
(2012) Soft Matter
Author details: View Author Details in Scopus.
Brujan, E.-A.
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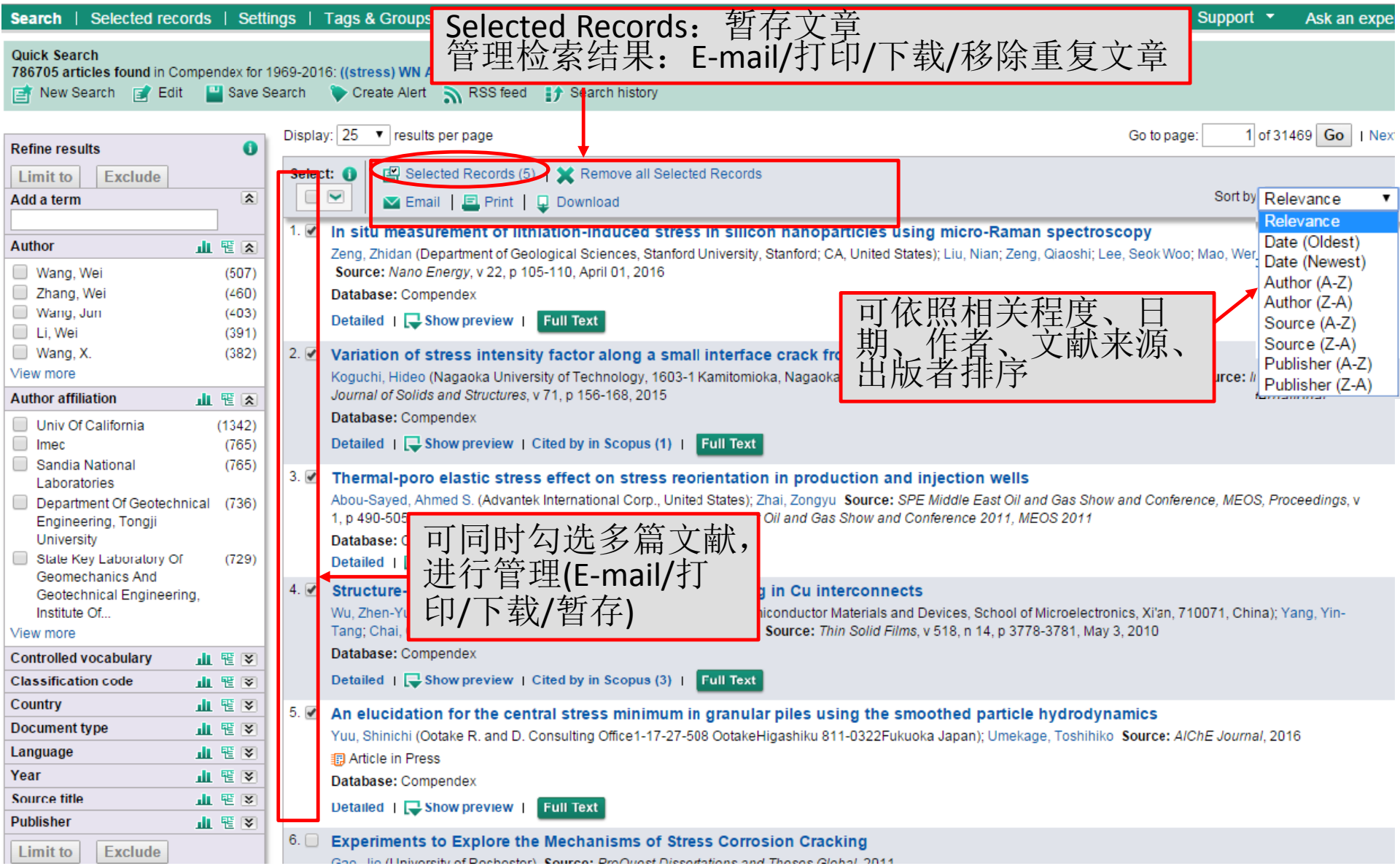
检索结果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Wang, Wei (507)
Zhang, Wei (460)
Wang, Jun (403)
Li, Wei (391)
Wang, X. (382)
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Author affiliation
Univ Of California (1342)
Imec (765)
Sandia National Laboratories (765)
Department Of Geotechnical Engineering, Tongji University (736)
State Key Laboratory Of Geomechanics And Geotechnical Engineering, Institute Of... (729)
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Source (A-Z)
Source (Z-A)
Publisher (A-Z)
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可依照相关程度、日期、作者、文献来源、出版者排序
1. In situ measurement of lithiation-induced stress in silicon nanoparticles using micro-Raman spectroscopy
Zeng, Zhidan (Department of Geological Sciences, Stanford University, Stanford; CA, United States); Liu, Nian; Zeng, Qiaoshi; Lee, Seok Woo; Mao, Wer
Source: Nano Energy, v 22, p 105-110, April 01, 2016
Database: Compendex
Detailed | Show preview | Full Text
2. Variation of stress intensity factor along a small interface crack fr
Koguchi, Hideo (Nagaoka University of Technology, 1603-1 Kamitomioka, Nagaoka
Journal of Solids and Structures, v 71, p 156-168, 2015
Database: Compendex
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3. Thermal-poro elastic stress effect on stress reorientation in production and injection wells
Abou-Sayed, Ahmed S. (Advantek International Corp., United States); Zhai, Zongyu Source: SPE Middle East Oil and Gas Show and Conference, MEOS, Proceedings, v 1, p 490-505
Oil and Gas Show and Conference 2011, MEOS 2011
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5. An elucidation for the central stress minimum in granular piles using the smoothed particle hydrodynamics
Yuu, Shinichi (Ootake R. and D. Consulting Office1-17-27-508 OotakeHigashiku 811-0322Fukuoka Japan); Umekage, Toshihiko Source: AIChE Journal, 2016
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Accession number: 20160301815755
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Title: An elucidation for the central stress minimum in granular piles using the smoothed particle hydrodynamics

Authors: Yuu, Shinichi[1]; Umekage, Toshihiko[2]

Author affiliation: [1] Ootake R. and D. Consulting Office1-17-27-508 OotakeHigashiku 811-0322Fukuoka Japan

[2] Department of Mechanical EngineeringKyushu Institute of Technology1-1 SensuichoTobataku 804-8550Kitakyushu Japan

Corresponding author: Yuu, Shinichi (yyykm@jcom.home.ne.jp)

Source title: AIChE Journal

Abbreviated source title: AIChE J.

Issue date: 2016

Publication year: 2016

Language: English

ISSN: 00011541

E-ISSN: 15475905

CODEN: AICEAC

Document type: Article in Press

Publisher: John Wiley and Sons Inc.

Abstract: Stress distributions on bases of granular piles were predicted based on the constitutive relations obtained by the discrete element method (DEM) using the smoothed particle hydrodynamics to elucidate the mechanism of the central stress minimum beneath piles. The calculated stress distributions are in good agreement with the experimental data of researchers. A stress peak and a central stress minimum are mainly formed by the granular flows in a pile construction. The location of the stress peak was the same location of th minimum granular velocity before the granular pile became stationary. This suggests that the location of the stress peak corresponds to the base of the granular arching. The stres distributions on the bases by a homogeneous falling showed the central stress maximum. The low shear stress gradient by the homogeneous falling produces a central stress pe with a gentle slope. © 2015 American Institute of Chemical Engineers.

Main heading: Piles

Controlled terms: Finite difference method - Fluid dynamics - Granular materials - Hydrodynamics - Location - Particles (particulate matter) - Shear stress - Stress concentration

Uncontrolled terms: Central stress minimum - Constitutive relations - Pile construction - Simulation - Smoothed particle hydrodynamics - SPH - Stress gradient - Stresses distribution

Classification code: 408.2 Structural Members and Shapes - 921.6 Numerical Methods - 931.1 Mechanics - 951 Materials Science

DOI: 10.1002/aic.15148

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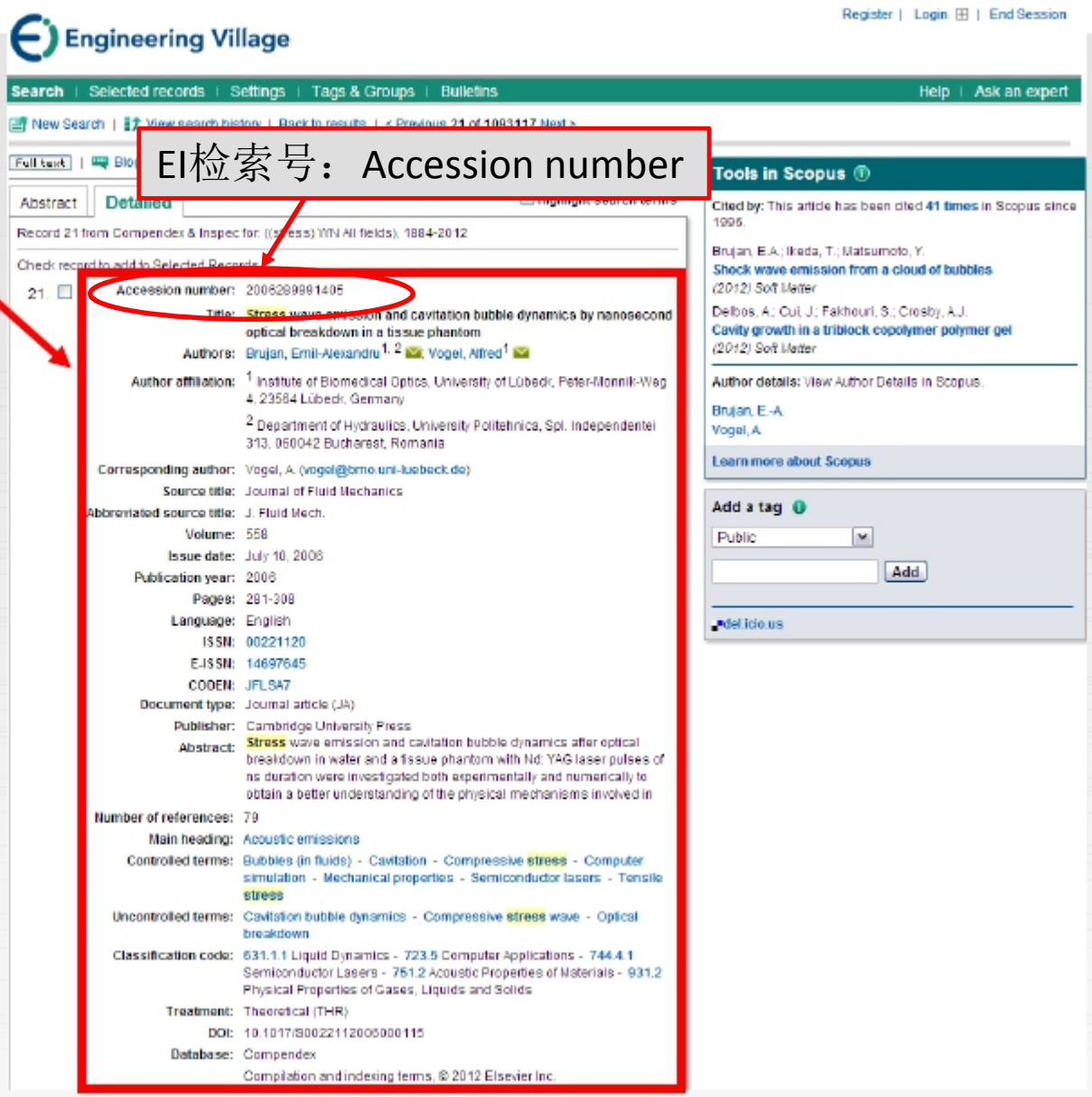

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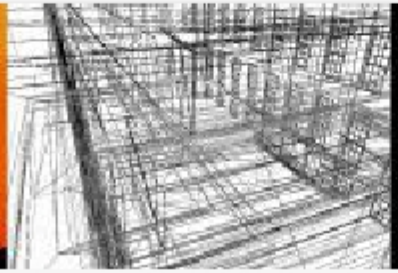

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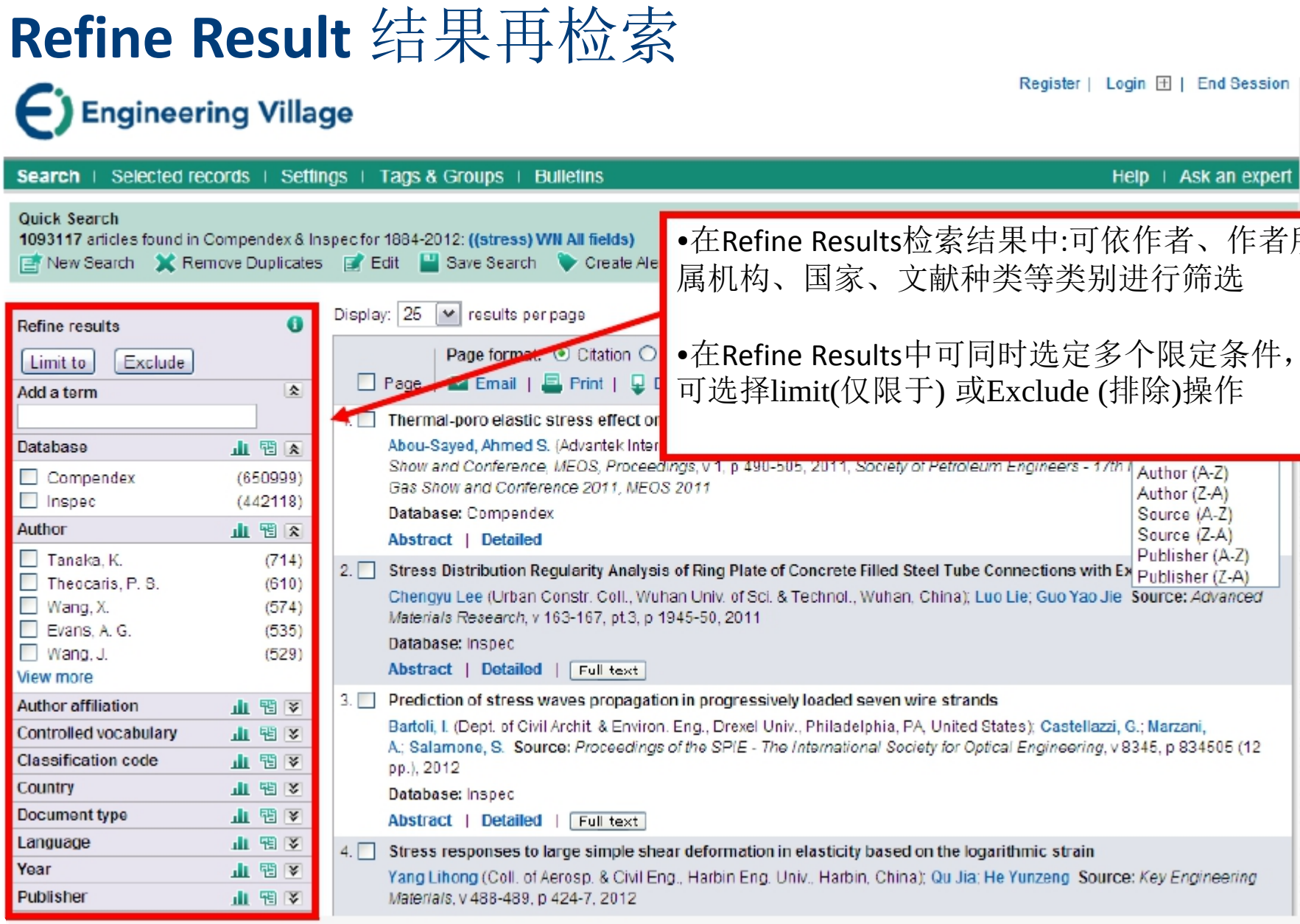

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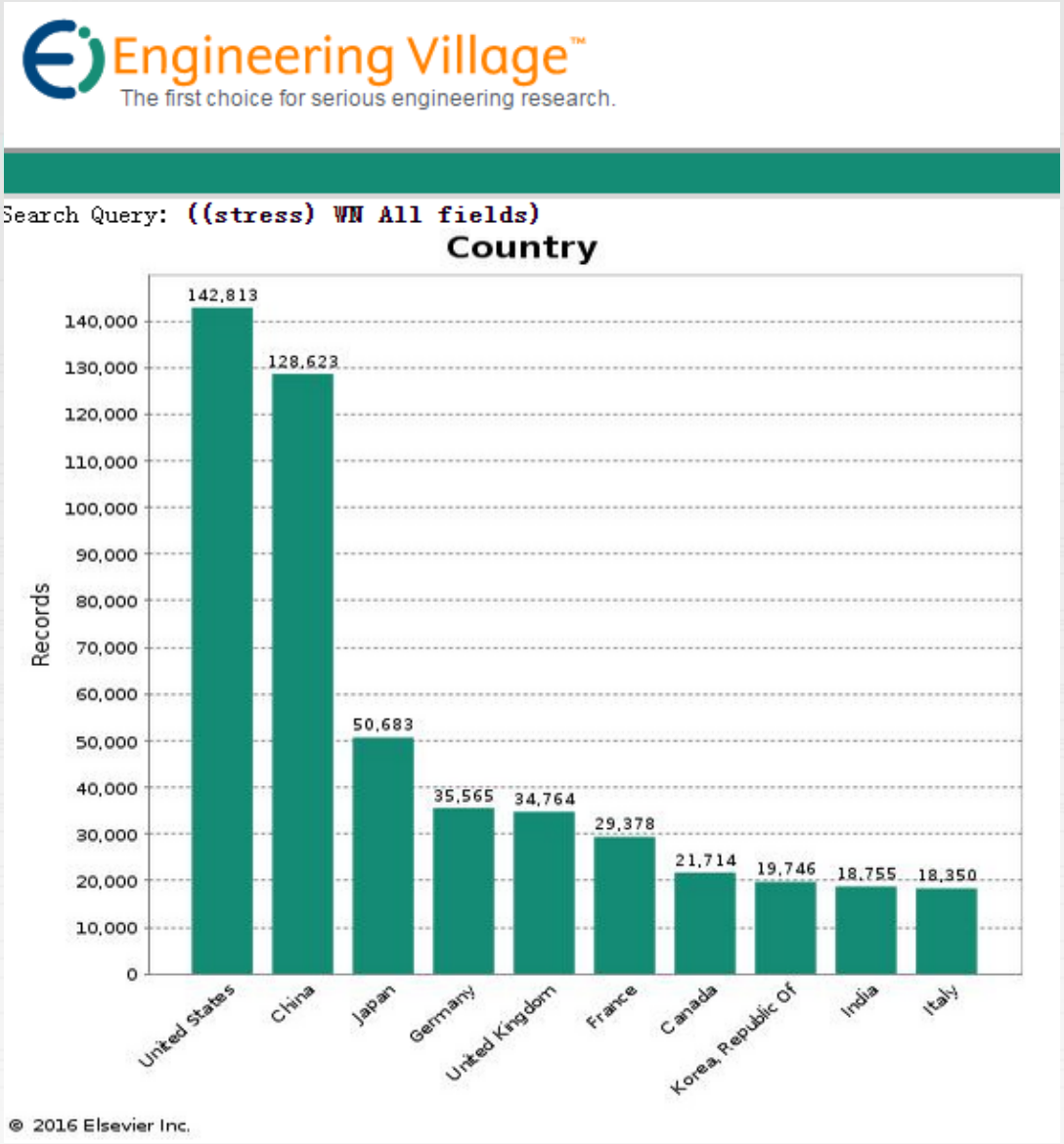

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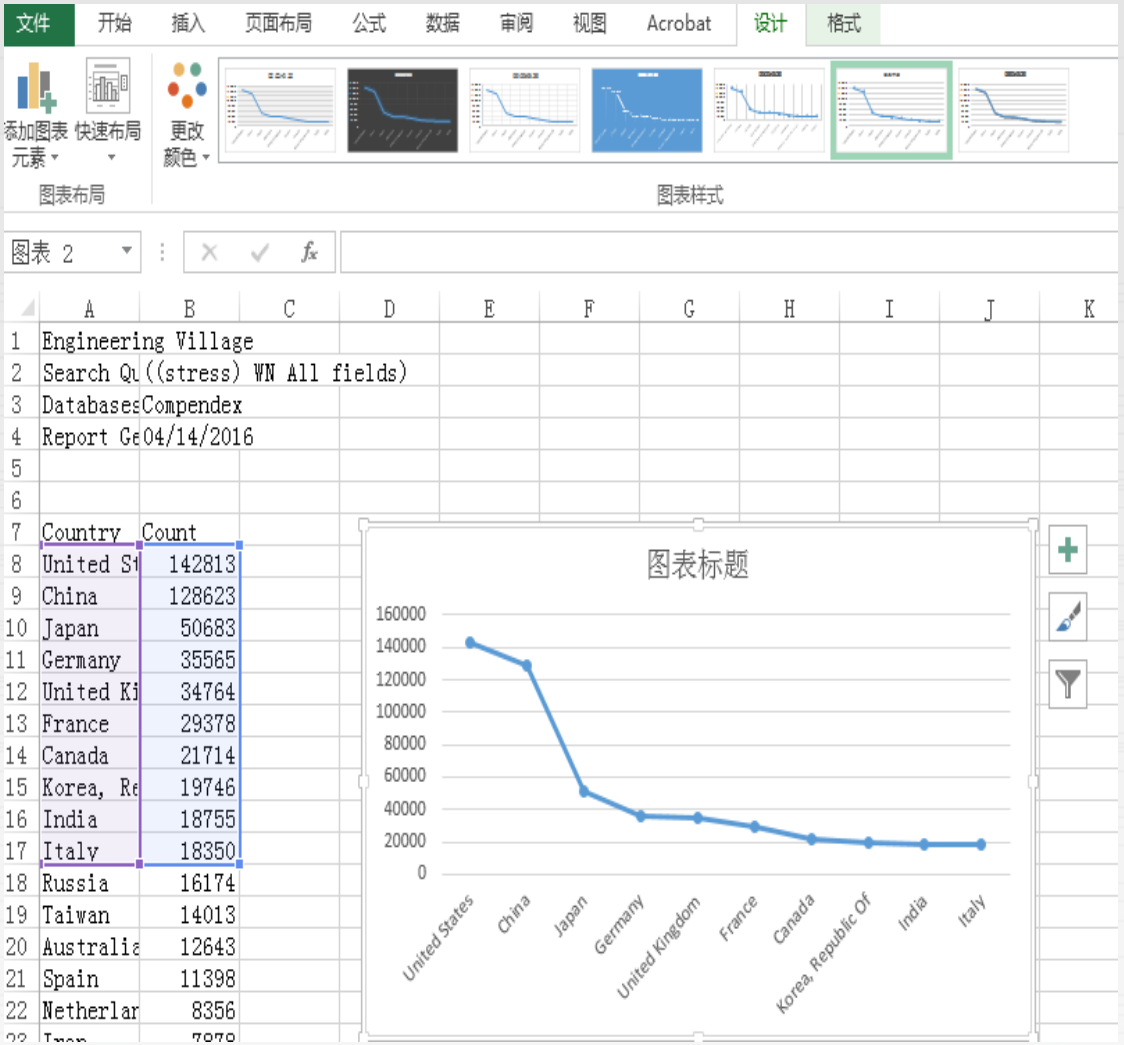

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Brujan, Emil-Alexandru[1, 2]; Vogel, Alfred[1]
Source: Journal of Fluid Mechanics, v 558, p 281-30
14697645; DOI: 10.1017/S0022112006000115; Pu
Author affiliations:
[1] Institute of Biomedical Optics, University of Lübeck
[2] Department of Hydraulics, University Politehnica,
Romania
Abstract:
Stress wave emission and cavitation bubble dynam
phantom with Nd:YAG laser pulses of 6 ns duration
numerically to obtain a better understanding of the p
as two orders of magnitude from the static values. T
breakdown in tissue-like media is of great importan
laser surgery because biological tissues are much
compressive stress. © 2006 Cambridge University
Main heading: Acoustic emissions
Controlled terms: Bubbles (in fluids) - Cavitation -
Mechanical properties - Semiconductor lasers - T
Uncontrolled terms: Cavitation bubble dynamics -
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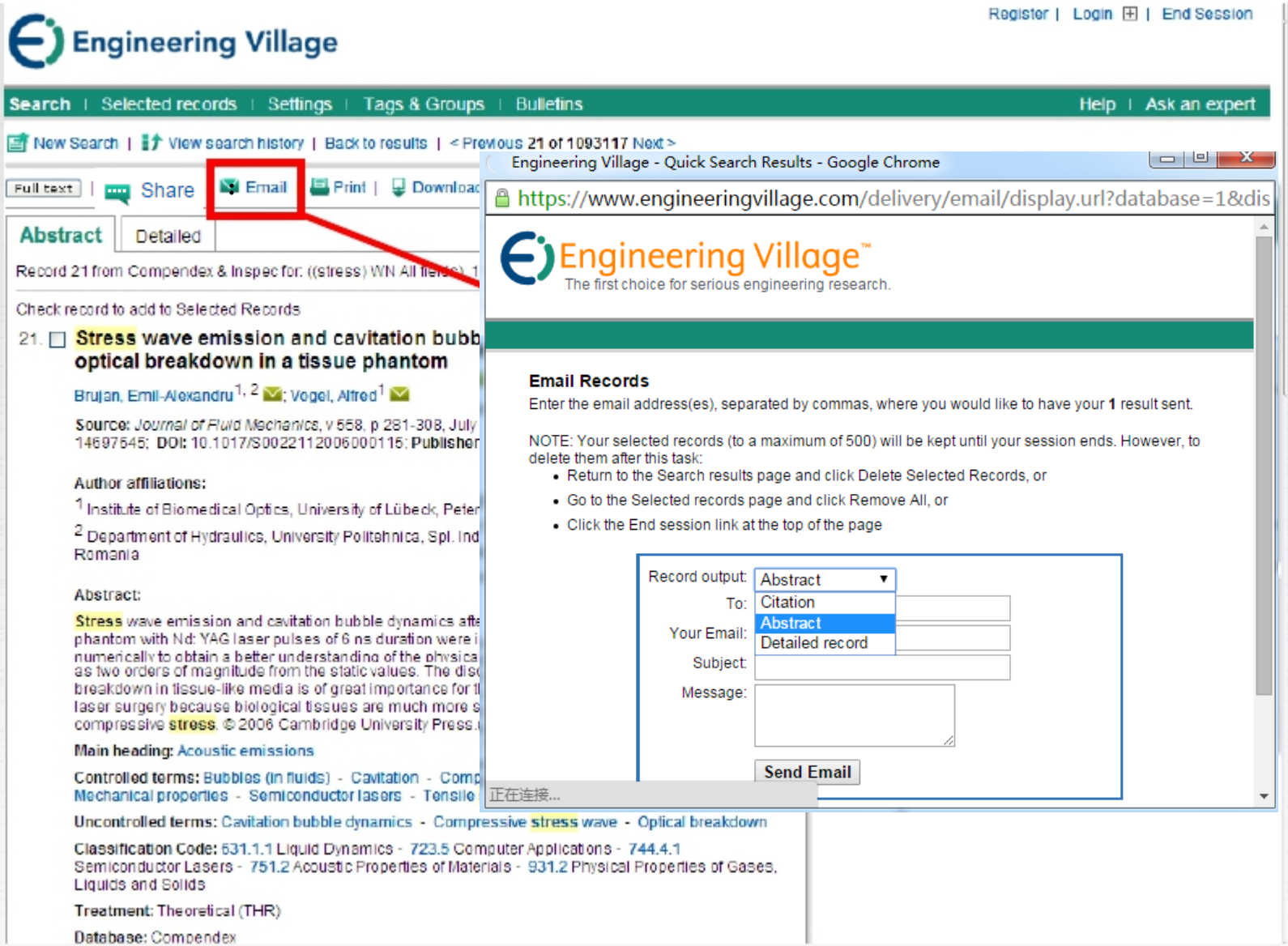
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14697545; DOI: 10.1017/S0022112006000115; Publisher
Author affiliations:
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[2] Department of Hydraulics, University Politehnica, Spl. Ind
Romania
Abstract:
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numerically to obtain a better understanding of the physica
as two orders of magnitude from the static values. The disc
breakdown in tissue-like media is of great importance for t
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compressive stress. © 2006 Cambridge University Press.
Main heading: Acoustic emissions
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Mechanical properties - Semiconductor lasers - Tensile
Uncontrolled terms: Cavitation bubble dynamics - Compressive stress wave - Optical breakdown
Classification Code: 531.1.1 Liquid Dynamics - 723.5 Computer Applications - 744.4.1
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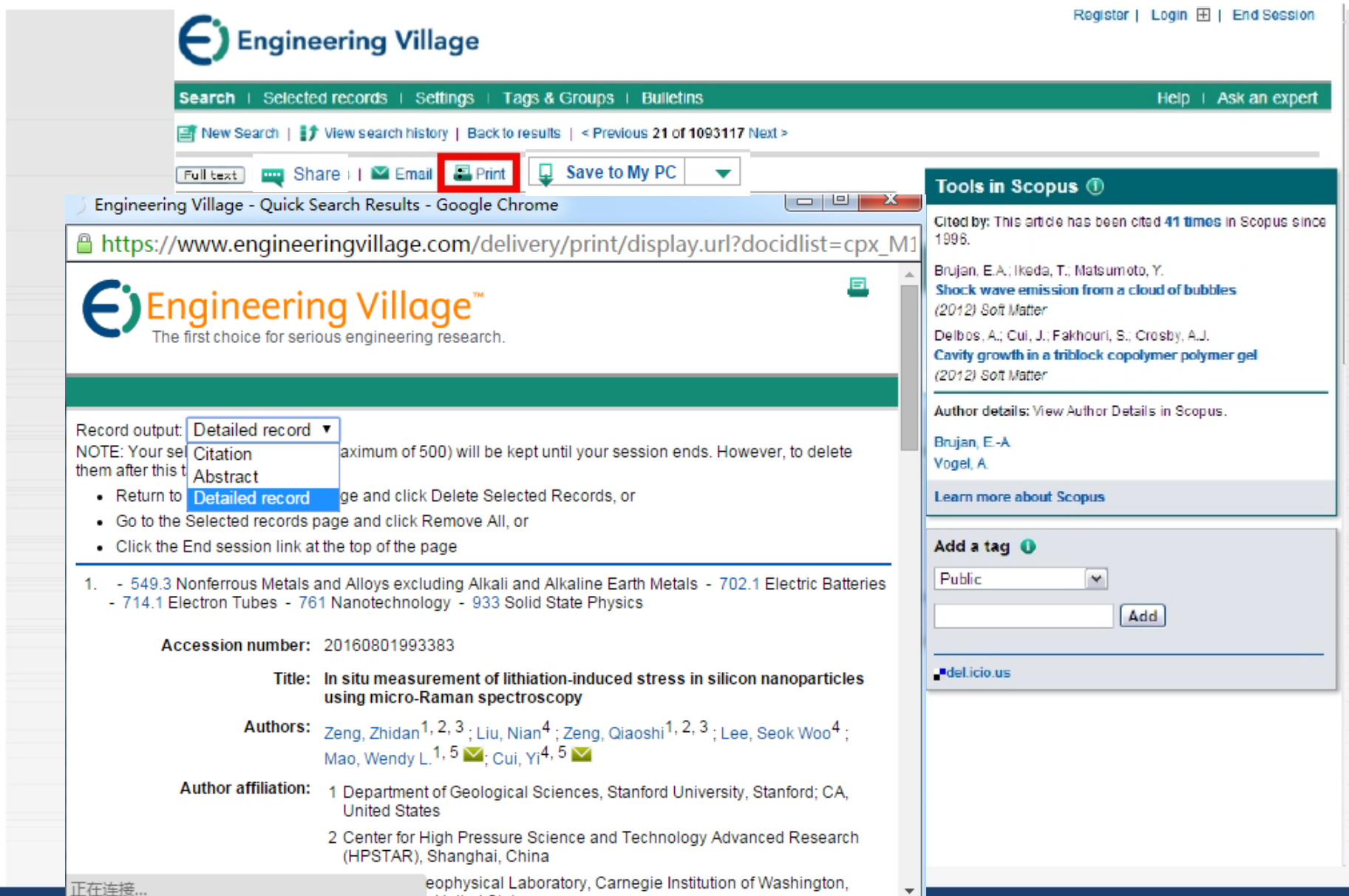
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Title: In situ measurement of lithiation-induced stress in silicon nanoparticles using micro-Raman spectroscopy
Authors: Zeng, Zhidan[1, 2, 3] ; Liu, Nian[4] ; Zeng, Qiaoshi[1, 2, 3] ; Lee, Seok Woo[4] ; Mao, Wendy L.[1, 5] ; Cui, Yi[4, 5]
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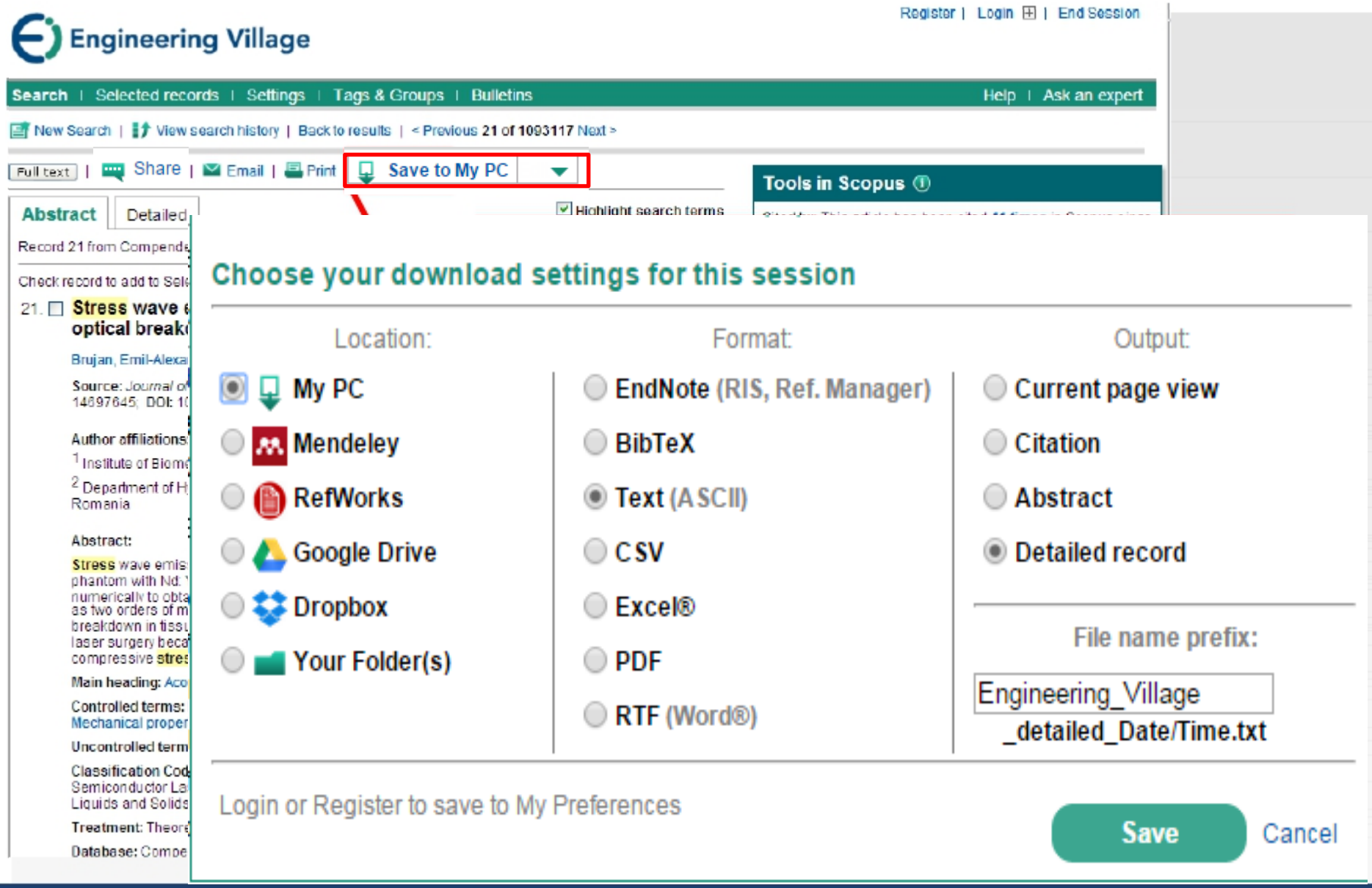

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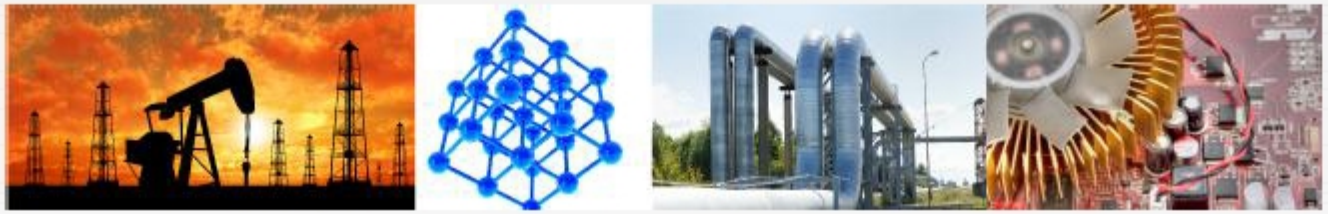

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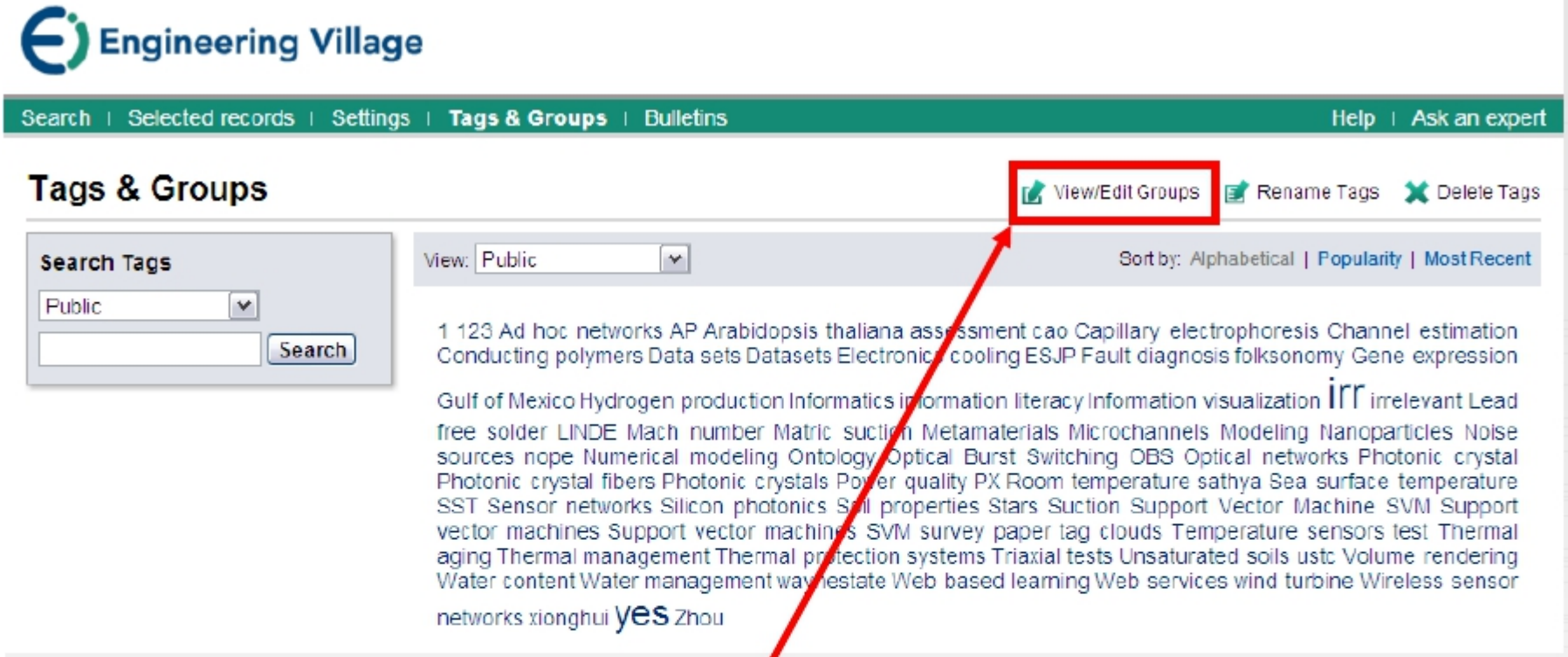

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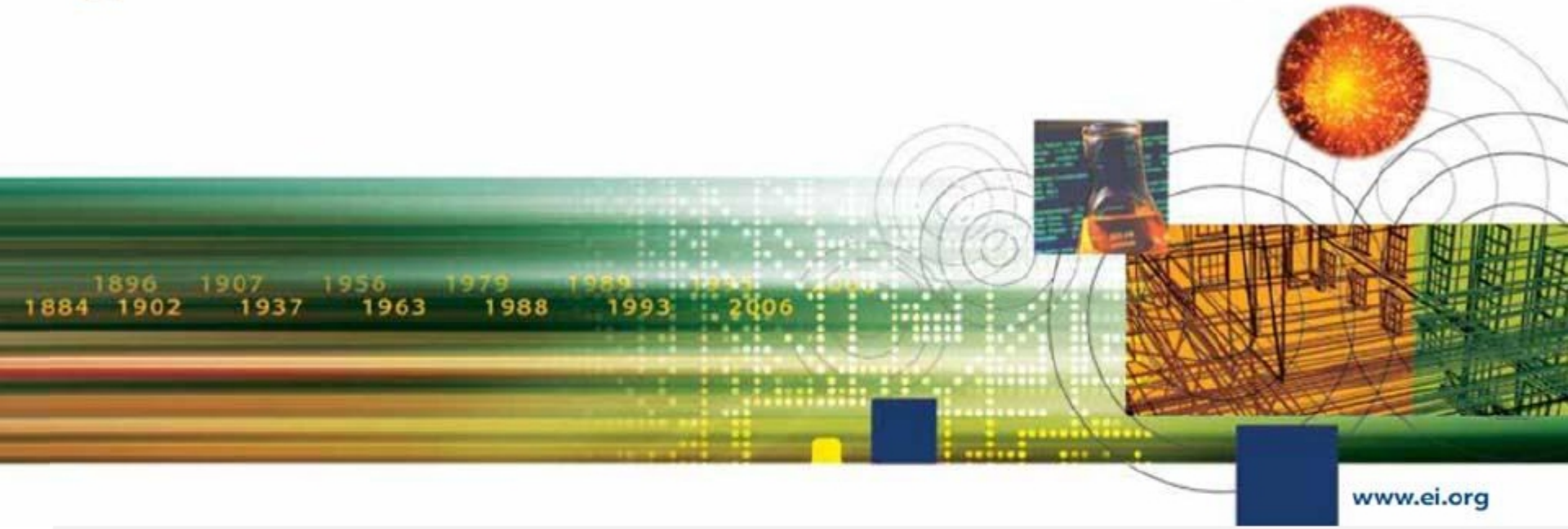

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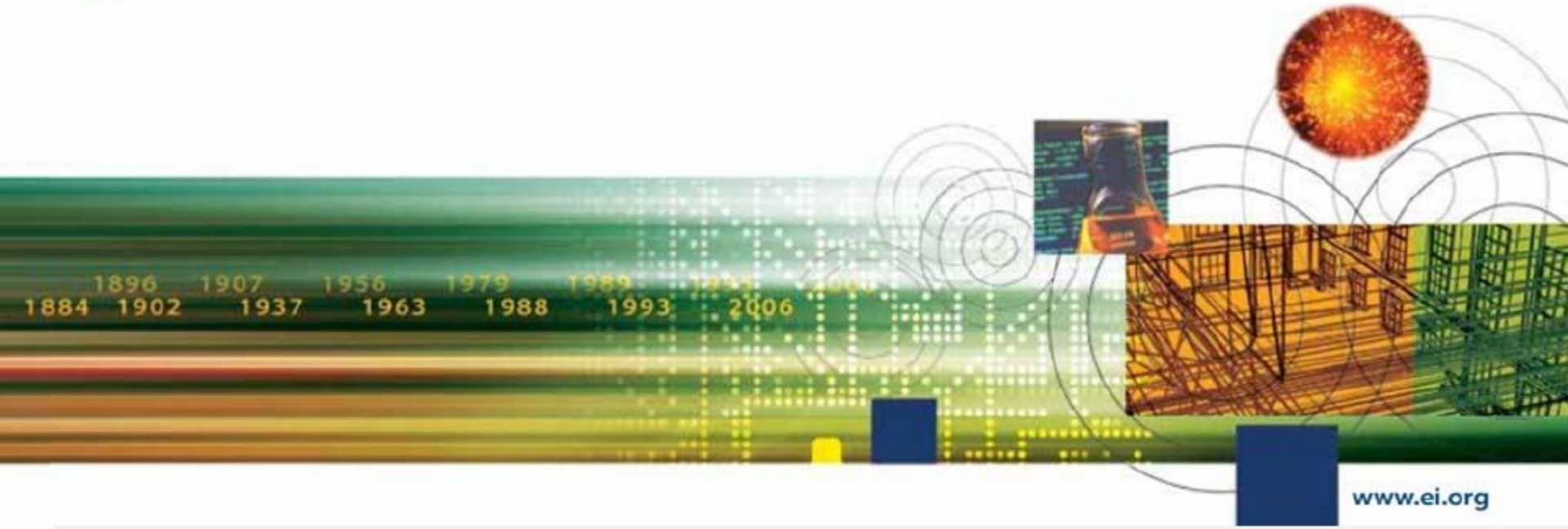

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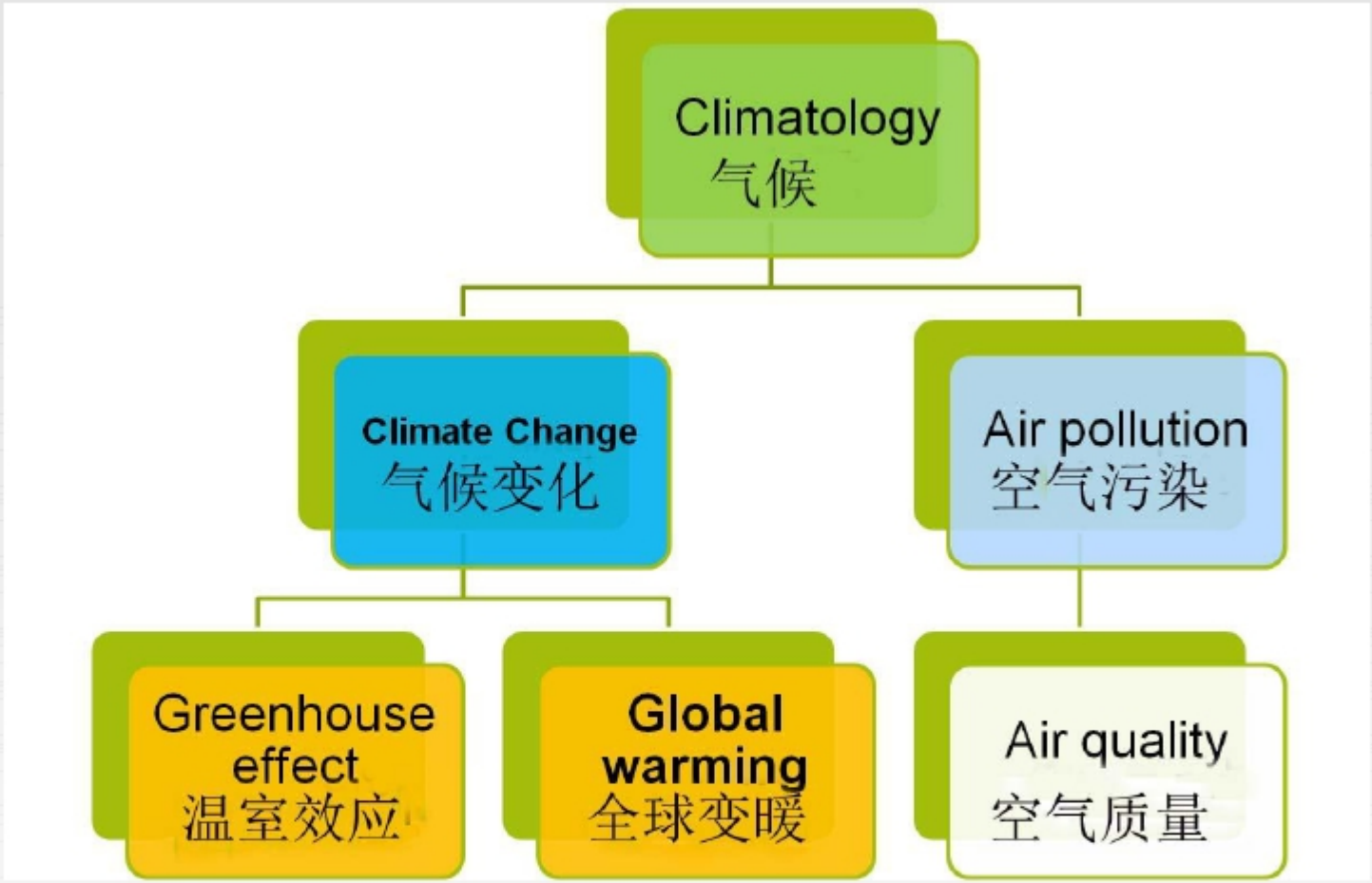

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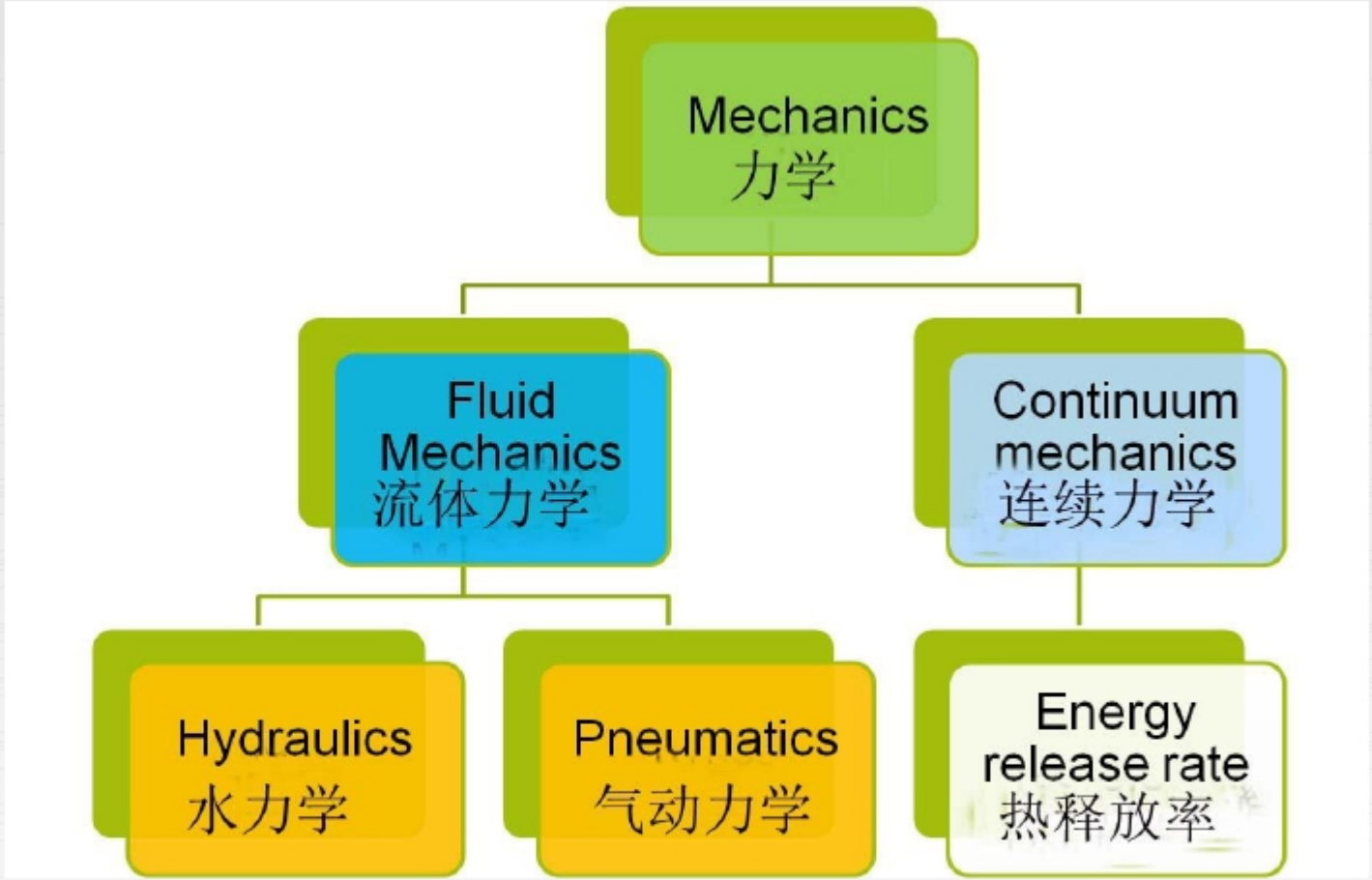

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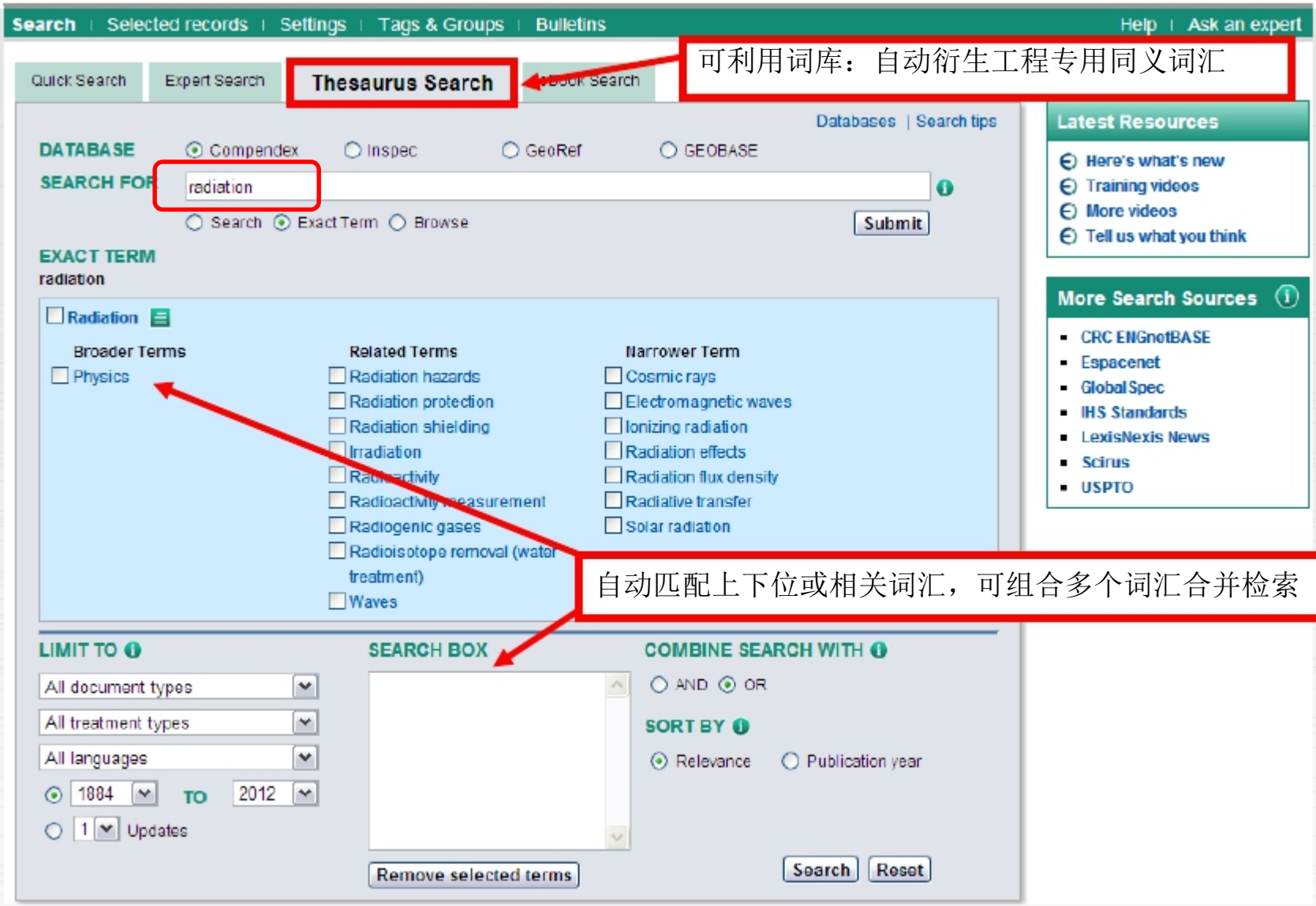

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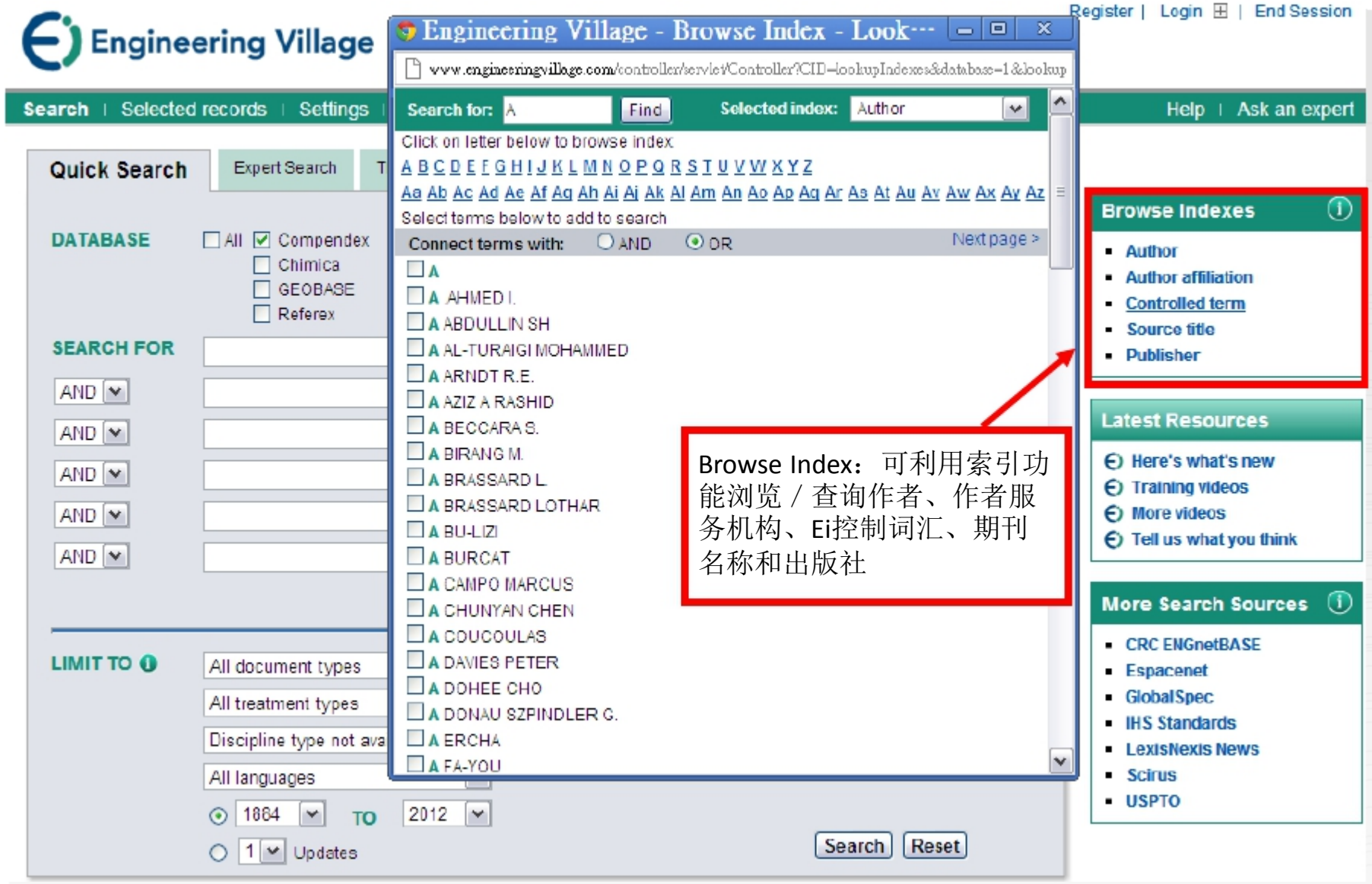

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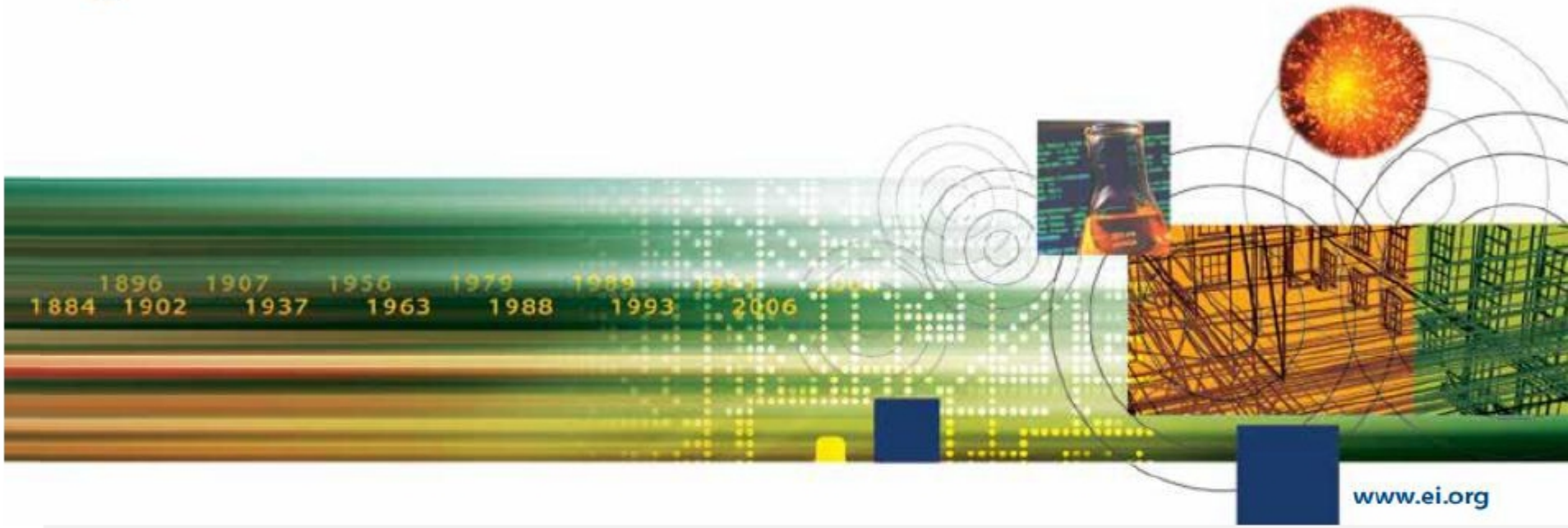

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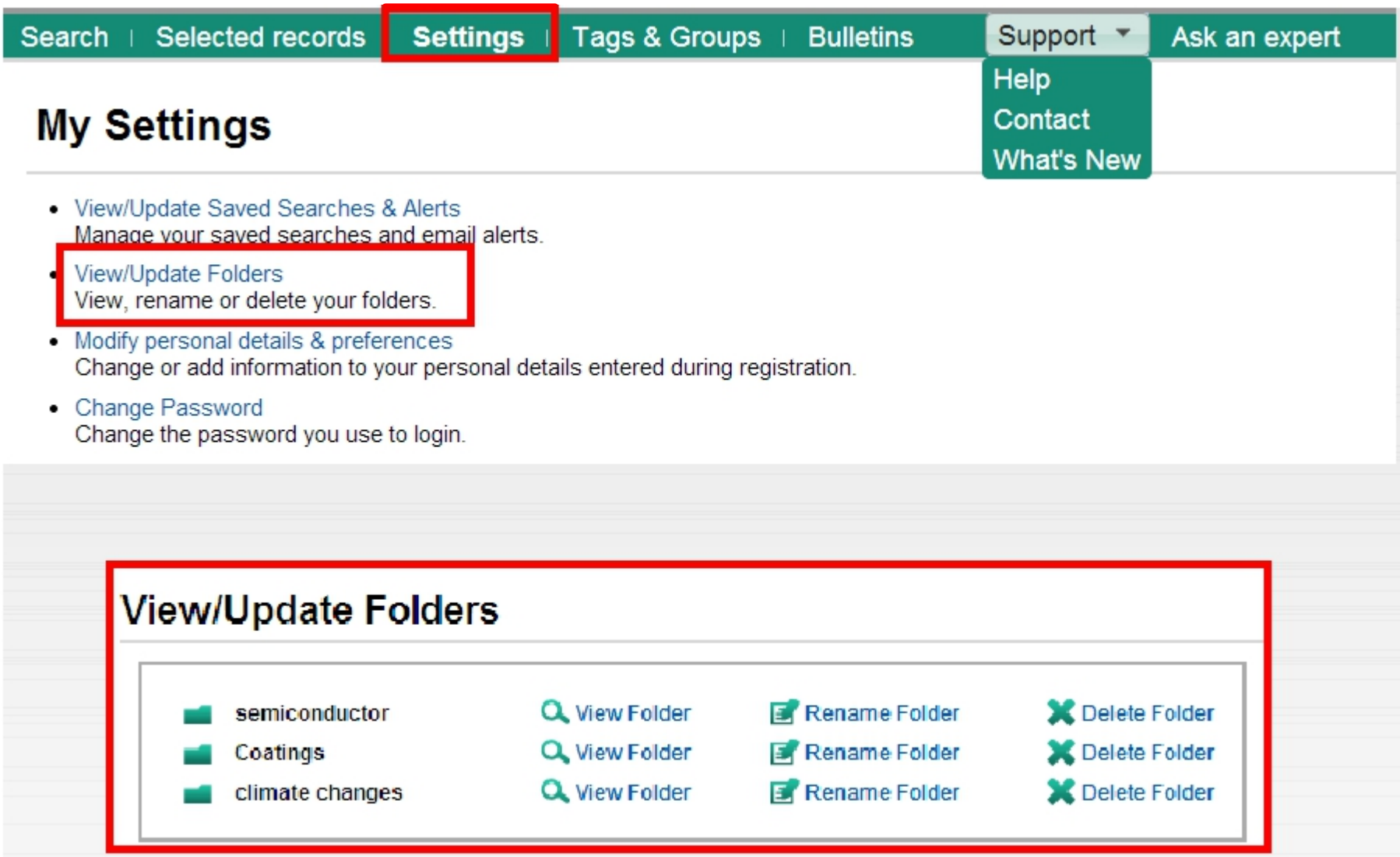

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Ask an Engineer

Our Senior Engineers can help you:

- Answer technical engineering questions
- Identify appropriate related resources

Ask a Product Specialist

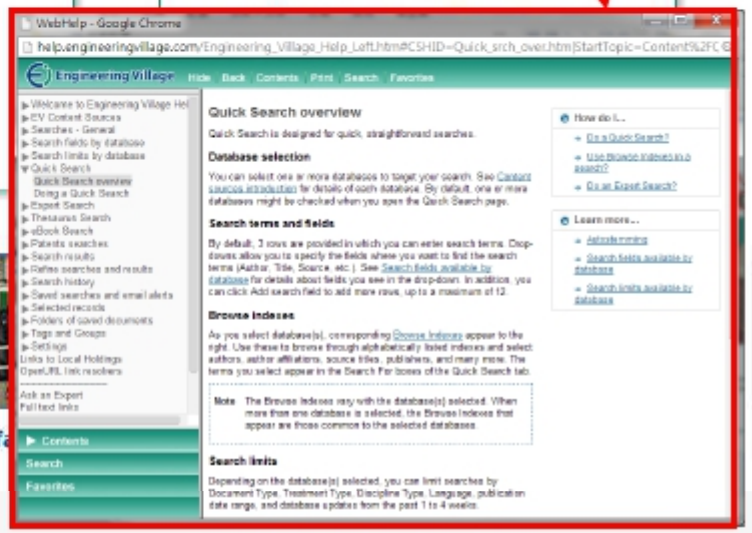
Our Product Specialist can help you:

- Learn to use EV features effectively
- Analyze results
- Register for online seminars or trainings

Ask a Librarian

A librarian can help you:

- Formulate searches



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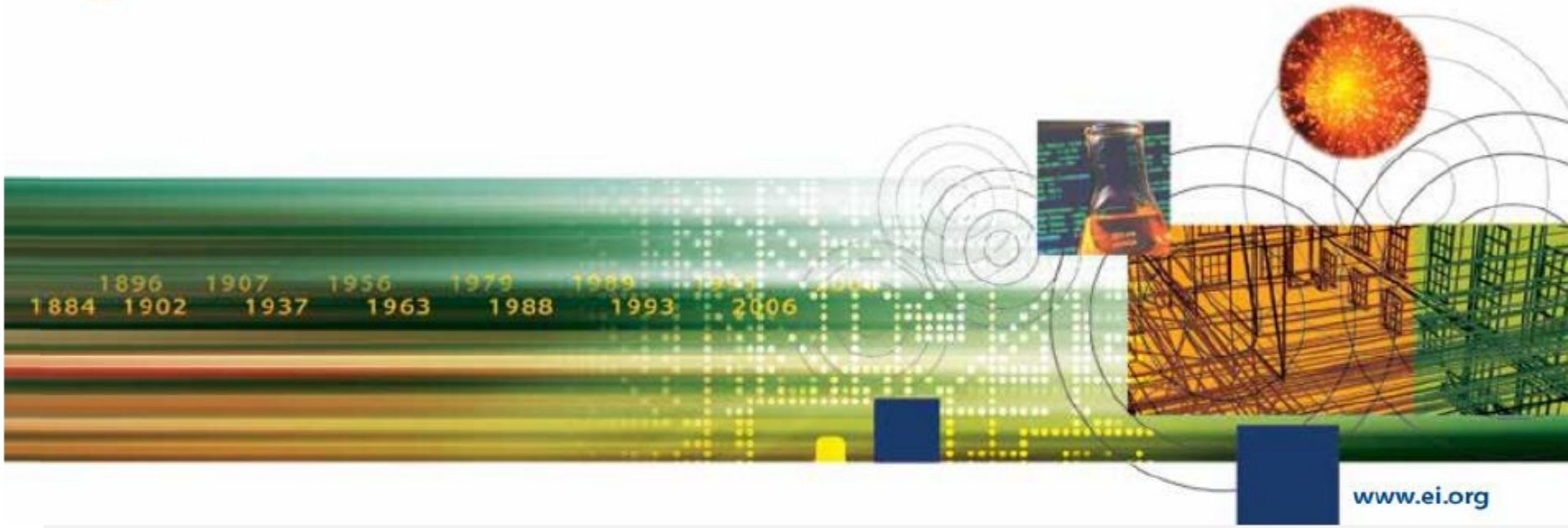
Engineering Village



如有任何问题请联系图书馆一层咨询部125室

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