



REUTERS/Mark Blinch

Thomson Data Analyzer

Critical Insight into Competitive and Technical Intelligence

彭斌

Thomson Reuters



THOMSON REUTERS

分析流程

决策者

分析师

明确问题

检索并下载数据

数据清理

数据分析

仔细研究分析结果

提出进一步的问题

最终得到清楚、准确、简明的分析结果



提纲

- Thomson Data Analyzer概况
- 数据导入与数据管理
- 数据规范/数据结构化
- 数据分析
- 生成报告



TDA简介

- Thomson Data Analyzer (TDA) ， 是一个具有强大分析功能的**文本挖掘软件**，可以对文本数据进行多角度的数据挖掘和**可视化的全景分析**。
- TDA能够帮助您从大量的**专利文献或科技文献**中发现**竞争情报和技术情报**，为洞察科学技术的发展趋势、发现行业出现的新兴技术、寻找合作伙伴，确定研究战略和发展方向提供有价值的依据。
- TDA在**数据的导入，数据的清理，数据的分析，和分析结果的报道**方面都具有独特的功能。

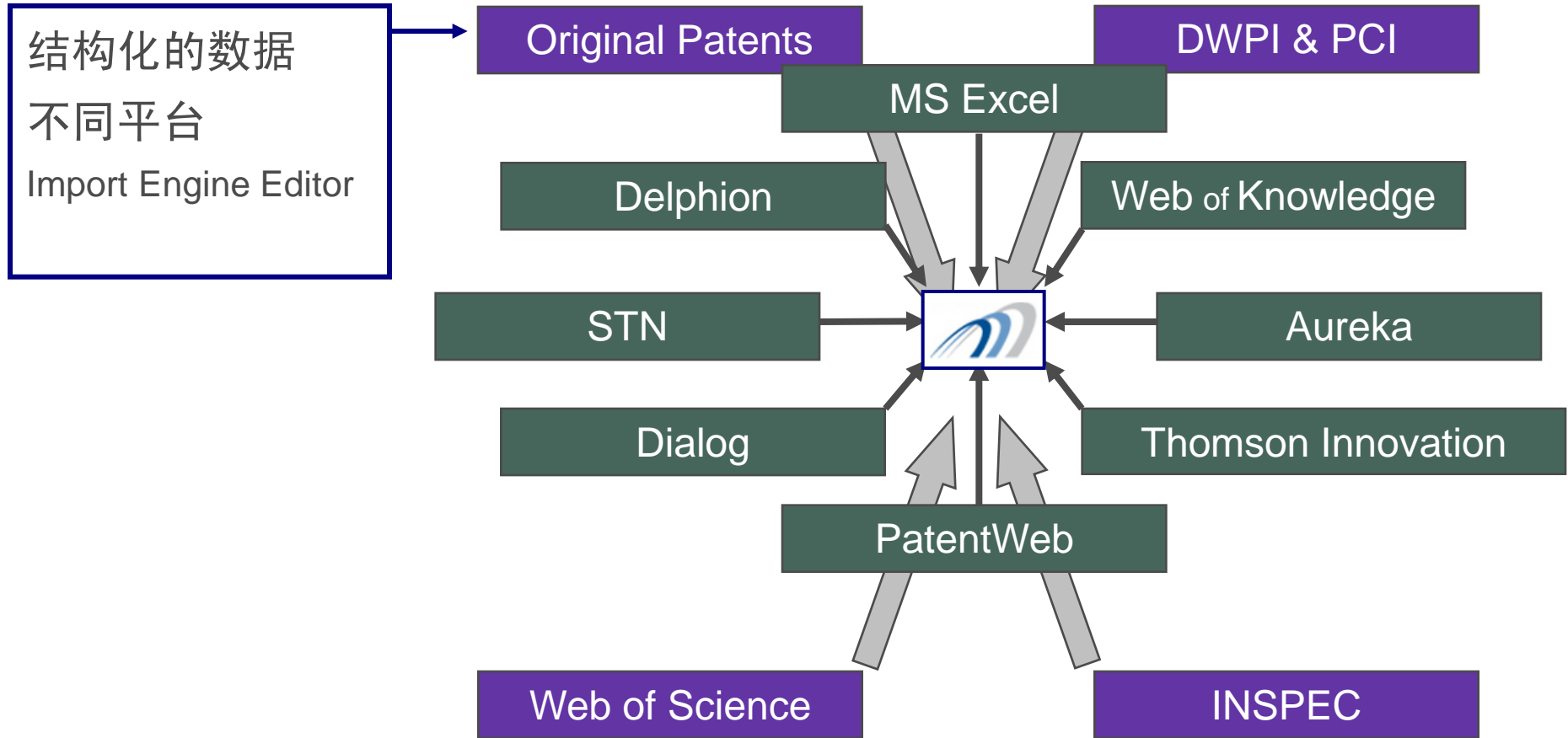


提纲

- Thomson Data Analyzer概况
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TDA数据导入



检索相关文献——分析数据源的获取

Web of science_检索

所有数据库 | 选择一个数据库 | Web of Science | 其他资源

检索 | 作者甄别 | 被引参考文献检索 | 化学结构检索 | 高级检索 | 检索历史

Web of ScienceSM

检索

pesticide residue
示例: oil spill* mediterranean

检索范围 主题

AND

示例: O'Brian C* OR O'Brian C*
您是否需要根据作者来查找论文? 请使用作者甄别工具。

检索范围 作者

AND

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

检索范围 出版物名称

[添加另一字段 >>](#)

[检索](#) [清除](#) 只能进行英文检索

当前限制: [保存为我的默认设置](#)

入库时间

所有年份 (更新时间 2011-07-21)

从 1898 至 2011 (默认为所有年份)

引文数据库: Science Citation Index Expanded (SCI-EXPANDED); Social Sciences Citation Index (SSCI); Arts & Humanities Citation Index (A&HCI); Conference Proceedings Citation Index - Science (CPCI-S); Conference Proceedings Citation Index - Social Science & Humanities (CPCI-SSH)

调整检索设置

调整检索结果设置

查看 | [简体中文](#) | [English](#) | [日本語](#)

Web of ScienceSM

检索结果 主题=(pesticide residue)

入选时间=所有年份. 数据库=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

词形还原=打开

Scientific WebPlus^{WEB} 查看 Web 检索结果 >>>

注: 检索词的替换形式 (例如 tooth 和 teeth) 可能已应用, 特别是在检索词两侧没有引号的主题检索或标题检索中. 如果仅查找检索词的确切匹配结果, 请关闭检索页面上的 "词形还原" 选项.

检索结果: 11,472

第 1 页, 共 1,148 页 转至

排序方式: 出版日期(降序)

精炼检索结果

结果内检索

检索

JCR® 类别 精炼

ENVIRONMENTAL SCIENCES (3,407)

CHEMISTRY ANALYTICAL (3,008)

FOOD SCIENCE TECHNOLOGY (1,942)

TOXICOLOGY (1,487)

BIOCHEMICAL RESEARCH METHODS (1,087)

更多选项/分类...

文献类型 精炼

ARTICLE (9,830)

PROCEEDINGS PAPER (1,321)

REVIEW (521)

MEETING ABSTRACT (303)

NOTE (123)

保存为: EndNote Web EndNote ResearcherID 更多选项

1. 标题: [GAS CHROMATOGRAPHY MASS SPECTROMETRY STUDY OF MALATHION RESIDUES IN CENTELLA ASIATICA](#)
作者: Latifah A. M.; Musa R. David; Latiff P. A.
来源出版物: IRANIAN JOURNAL OF ENVIRONMENTAL HEALTH SCIENCE & ENGINEERING 卷: 8 期: 1 页: 57-64 出版年: WJH 2011
被引频次: 0 (来自 Web of Science)

S-F-X 订购全文 [查看摘要]

2. 标题: [Effect of Cooking Process on the Residues of Three Carbamate Pesticides in Rice](#)
作者: Shoeibi Shahram; Amirahmadi Maryam; Yazdanpanah Hassan; 等.
来源出版物: IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH 卷: 10 期: 1 页: 119-126 出版年: WJH 2011
被引频次: 0 (来自 Web of Science)

S-F-X 订购全文 [查看摘要]

3. 标题: [A preliminary assessment of consumer's exposure to organochlorine pesticides in fruits and vegetables and the potential health risk in Accra Metropolis, Ghana](#)
作者: Bempah Crentsil Kofi; Donkor Augustine; Yeboah Philip Owiradu; 等.
来源出版物: FOOD CHEMISTRY 卷: 128 期: 4 页: 1058-1065 DOI: 10.1016/j.foodchem.2011.04.013 出版年: OCT 15 2011
被引频次: 0 (来自 Web of Science)

S-F-X 全文 [查看摘要]

4. 标题: [Optimisation of octadecyl \(C\(18\)\) sorbent amount in QuEChERS analytical method for the accurate organophosphorus pesticide residues determination in low-fatty baby foods](#)

Web of ScienceSM

<< 返回上一页

检索结果 主题=(pesticide residue)

精炼依据: JCR 类别=(ENVIRONMENTAL SCIENCES)

入座时间=所有年份, 数据库=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

词形还原=打开

检索结果: 3,407

第 1 页, 共 341 页 转至

排序方式: 出版日期 (降序)

精炼检索结果

结果内检索

检索

JCR® 类别

精炼

 ENVIRONMENTAL SCIENCES
(3,407) TOXICOLOGY (983) PUBLIC ENVIRONMENTAL
OCCUPATIONAL HEALTH (475) ENGINEERING ENVIRONMENTAL
(319) WATER RESOURCES (194)

更多选项/分类...

文献类型

精炼


 ARTICLE (3,133) PROCEEDINGS PAPER (354) REVIEW (110) NOTE (15) EDITORIAL MATERIAL (13)


保存为: EndNote Web EndNote ResearcherID 更多选项

分析检索结果
创建引文报告

1. 标题: [Enzymatic basis for fungicide removal by Elodea canadensis](#)
 作者: Dosnon-Olette Rachel; Schroeder Peter; Bartha Bernadett, 等.
 来源出版物: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 卷: 18 期: 6 页: 1015-1021 DOI: 10.1007/s11356-011-0460-1 出版年: JUL 2011
 被引频次: 0 (来自 Web of Science)
[S-F-X](#) [全文](#) [查看摘要](#)
2. 标题: [Human exposure to PCBs, PBDEs and HBCDs in Ghana: Temporal variation, sources of exposure and estimation of daily intakes by infants](#)
 作者: Asante Kwadwo Ansong; Adu-Kumi Sam; Nakahiro Kenta, 等.
 来源出版物: ENVIRONMENTAL INTERNATIONAL 卷: 37 期: 5 页: 921-928 DOI: 10.1016/j.envint.2011.03.011 出版年: JUL 2011
 被引频次: 0 (来自 Web of Science)
[S-F-X](#) [全文](#) [查看摘要](#)
3. 标题: [Evaluation of risk associated with organochlorine pesticide contaminated sediment of the Lake Lianhuan watershed](#)
 作者: Xuan Fuhua; Zang Shuying
 来源出版物: ECOTOXICOLOGY 卷: 20 期: 5 特刊: SI 页: 1090-1098 DOI: 10.1007/s10646-011-0648-7 出版年: JUL 2011
 被引频次: 0 (来自 Web of Science)
[S-F-X](#) [全文](#) [查看摘要](#)
4. 标题: [Identification of trace organic pollutants in freshwater sources in Eastern China and estimation of their associated human health risks](#)
 作者: Shi Wei; Zhang Fengxian; Zhang Xiaowei, 等.



9. 标题: [Organochlorine compound residues in the eggs of broad-snouted caimans \(Caiman latirostris\) and correlati](#)
作者: Stoker C.; Repetti M. R.; Garcia S. R.; 等.
来源出版物: CHEMOSPHERE 卷: 84 期: 3 页: 311-317 DOI: [10.1016/j.chemosphere.2011.04.013](#) 出版年: JUN 2011
被引频次: 0 (来自 Web of Science)
 [全文](#) [[查看摘要](#)]

10. 标题: [Are exploited mangrove molluscs exposed to Persistent Organic Pollutant contamination in Senegal, West Afr](#)
作者: Bodin N.; Ka R. N'Gom; Le Loc'h F.; 等.
来源出版物: CHEMOSPHERE 卷: 84 期: 3 页: 318-327 DOI: [10.1016/j.chemosphere.2011.04.012](#) 出版年: JUN 2011
被引频次: 0 (来自 Web of Science)
 [全文](#) [[查看摘要](#)]

检索结果: 3,407

每页显示 10 条

第 1 页, 共 341 页 [转至](#)

输出记录

第 1 步:

- 页面上的所选记录
 页面上的所有记录
 记录 1 至 500

第 2 步:

- 作者、标题、来源出版物
 包含摘要
 全记录
 包含引用的参考文献


第 3 步: [\[如何导出至题录管理软件?\]](#)

保存为: [EndNote Web](#) [EndNote](#) [ResearcherID](#)

保存到其他参考文献软件 [保存](#)

 (0)

您选择的数据限制内共有 55,558,036 条记录, 其中有 3,407 条记录与检索式相匹配。

关键字:  = 可用的化学结构。

查看 | [简体中文](#) | [English](#) | [日本語](#)

正在处理记录

正在处理您的请求，请稍候。
(注：处理过程可能需要几分钟的时间，具体视记录数而定。)

产品: Web of Science

所选操作: 保存到文件

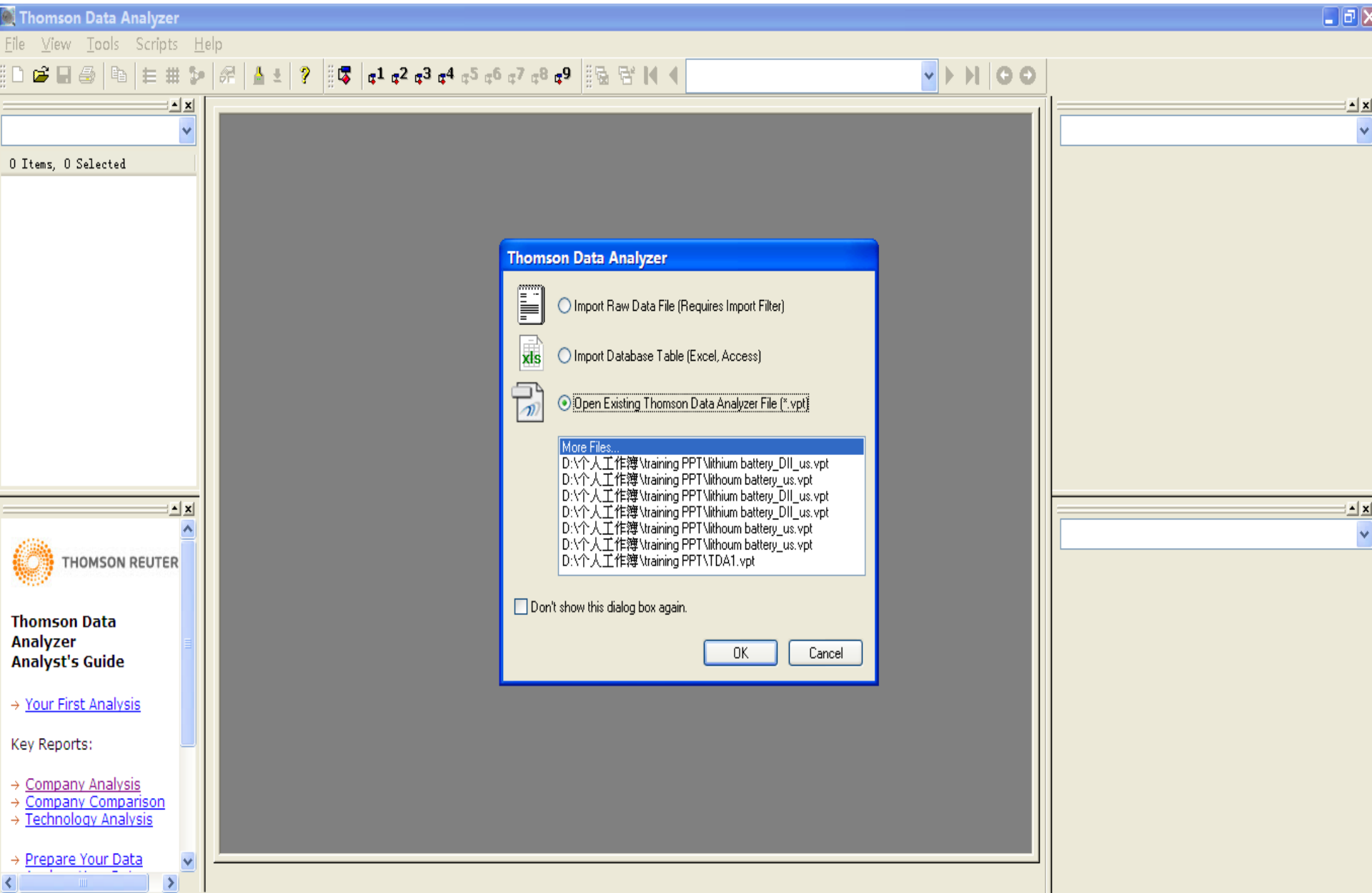
正在处理 500 记录:

10... 20... 30... 40... 50... 60... 70... 80... 90... 100...
110... 120... 130... 140... 150... 160... 170... 180... 190... 200...
210... 220... 230... 240... 250... 260... 270... 280... 290... 300...
310... 320... 330... 340... 350... 360... 370... 380... 390... 400...
410... 420... 430... 440... 450... 460... 470... 480... 500.. Done

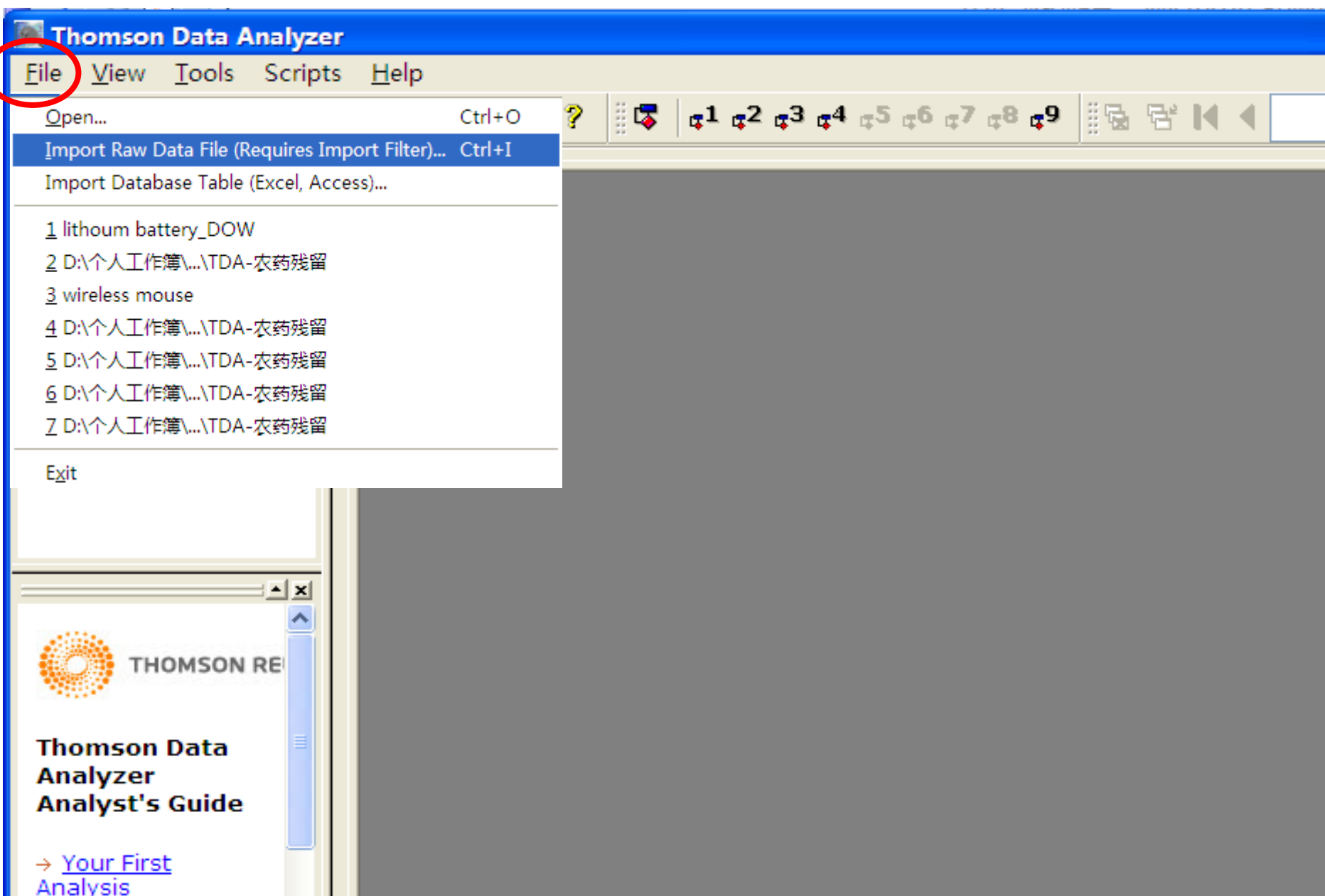
保存 如果未自动显示“另存为”对话框，请单击“保存”下载记录。

返回 保存文件后，请单击“返回”。

TDA软件



数据输入



Step 1: Choose the data file(s) to import

Files to Import

Empty text box for listing files to import.

Data Preview

Empty text box for data preview.

Cancel

打开

查找范围 (Q):

TDA-

- 我最近的文档
- 桌面
- 我的文档
- 我的电脑
- 网上邻居

- savedrecs
- savedrecs (1)
- savedrecs (2)
- savedrecs (3)
- savedrecs (4)
- savedrecs (5)
- savedrecs (6)

文件名 (N):

文件类型 (T):

Import Wizard; Step 1 of 3

Step 1: Choose the data file(s) to import

Files to Import

Select Files

- C:\Documents and Settings\bean.peng.TFCORP\桌面\TDA-\savedrecs(1).tx
- C:\Documents and Settings\bean.peng.TFCORP\桌面\TDA-\savedrecs(2).tx
- C:\Documents and Settings\bean.peng.TFCORP\桌面\TDA-\savedrecs(3).tx
- C:\Documents and Settings\bean.peng.TFCORP\桌面\TDA-\savedrecs(4).tx

Data Preview

```

FN Thomson Reuters Web of Knowledge
VR 1.0
PT J
AU Henny, CJ
    Kaiser, JL
    Grove, RA
AF Henny, Charles J.
    Kaiser, James L.
    Grove, Robert A.
TI PCDDs, PCDFs, PCBs, OC pesticides and mercury
    from Willamette River, Oregon (1993, 2001) a
    biomagnification factors
  
```

Cancel

< Back

Next >

Finish

Step 2: Select the database this data comes from. If there are no databases listed here, you will have to choose a directory that contains import filter files (files that end in .conf)

- WoK - INSPEC (Field-Tagged)
- WoK - WoS (Field-Tagged)
- Aureka - Patents (Excel Author)
- Delphion - DWPI (TDA format)
- Delphion - Patents (TDA format)
- Dialog - DWPI (text, Tags Only)
- Dialog - PCI (XML)
- DialogLink - AGRICOLA (XML)
- DialogLink - AGRIS (XML)
- DialogLink - DWPI (XML)
- DialogLink - INSPEC (XML)
- DialogLink - NewsRoom (XML)
- DialogLink - PR Newswire (XML)
- DialogLink - PR Newswire (Text)
- DialogLink - PROMT (File 1)
- DialogLink - PROMT (Files)
- DialogLink - SciSearch (XML)
- PatentWeb - Patents (CSV)
- PubMed - PubMed (XML)
- QuestelOrbit - DWPI (Text)

Cancel <

Step 3: Select the fields you want to import

- Abstract
- Author Affiliation
- Author Affiliation
- Author Affiliation
- Author Affiliation
- Authors
- Authors (1st)
- Authors (Best Available)
- Authors (Full Name)
- Combined Keywords
- Countries
- Document Type
- ISI Unique Article
- ISSN
- Journal
- Keywords (author)
- Keywords Plus
- Number of Authors
- Number of Authors
- Publication Title

Show Secondary Fields

Cancel

Step 3: Select the fields you want to import

- Abstract
- Abstract (NLP) (Phrases)
- Abstract (NLP) (Words)
- Author Affiliations (1st)
- Author Affiliations (City and Country)
- Author Affiliations (Full)
- Author Affiliations (Name and Address)
- Author Affiliations (Name and Address)
- Authors
- Authors (1st)
- Authors (Best Available)
- Authors (Full Name)
- Cited Authors
- Cited Journal
- Cited Patent
- Cited Reference Count
- Cited References
- Cited References (DOI)
- Cited Year
- Combined Keywords + Phrases

Show Secondary Fields

Cancel

Step 3: Select the fields you want to import

- Publication Year
- Publisher
- Publisher (Short)
- Publisher City
- Reprint Address
- Reprint Address (City and Country)
- Reprint Address (country)
- Reprint Address (no name)
- Reprint Address (org name)
- Reprint Author
- Source
- Source (Start Page)
- Source (Volume)
- Source Title (Abbrev)
- Subject Category
- Times Cited
- Title
- Title (NLP) (Phrases)
- Title (NLP) (Words)

Show Secondary Fields

Cancel

< Back

Next >

Finish

summary 表单

Thomson Data Analyzer - [TDA-农药残留]

File Edit View Sheets Fields Groups Tools Scripts Window Help

Summary

Number of Records: [] Source Date: Jul 25

The following fields are empty and will not be imported

Field	Items	% Coverage	Data Type	Meta Tags
~Raw Record	3407	100%		
Abstract	2857	83%		
Abstract (NLP) (Phrases)	70056	83%		
Abstract (NLP) (Words)	31350	83%		
Author Affiliations (1st)	1254	87%		Organization
Author Affiliations (City and Co	1036	87%		
Author Affiliations (Full)	2783	87%		
Author Affiliations (Full) (Clean	2104	87%		
Author Affiliations (Name and	2065	87%		
Author Affiliations (Name Only	1254	87%		Organization
Authors	9154	99%		Person
Authors (1st)	2534	99%		Person
Authors (Best Available)	9973	99%		Person
Authors (Full Name)	10045	99%		Person
Cited Authors	29390	82%		
Cited Journal	16046	82%		
Cited Patent	10	0%		
Cited Reference Count	156	100%	Number	
Cited References	55487	82%		
Cited References (DOI)	20035	78%		
Cited Year	121	82%	Year	
Combined Keywords + Phrases	78485	100%		
Conference Date	182	10%		
Conference Location	148	10%		
Conference Title	183	10%		
Countries	156	81%		Country
Countries (1st)	110	80%		Country
Database	1	100%		
Document Type	10	100%		Document Type
DOI	2463	72%		
Email	1171	45%	File	

Field: Document Type, Journal, Source Title (Abbrev)

Copy to Clipboard OK

Summary | List:Funding Organization | List:Funding Organization | List:Funding Organization (w/ awd. num.) | Lis

TDA-农药...

Thomson Data Analyzer - [Inst Software]

File Edit View Sheets Fields Groups Tools Scripts Window Help

Summary

0 Items, 0 Selected

Import More Fields

- Rename Field...
- Copy Field...
- Delete Field...
- Merge Fields...**
- Create Field From Group Items...
- Create Field From Group Names...

Thesaurus...

Find and Replace...

List Cleanup...

Resume Saved List Cleanup...

Create Key Field Ctrl+K

Extract Nearby Phrases...

Further Processing

Keywords Plus	4858	72%		
Number of Author Affiliations (Full)	20	100%		
Number of Author Affiliations (Name Only)	19	100%		Organization
Number of Authors	25	100%	Number	Person
Number of Countries	12	100%		Country
Publication Date	207	85%		
Publication Type	3	100%		
Publication Year	8	100%	Year	Date
Reprint Address	2704	96%		
Reprint Address (City and Country)	618	96%		
Reprint Address (country)	67	96%		
Reprint Address (no name)	2155	96%		
Reprint Address (org name)	905	96%		
Reprint Author	2265	96%		
Source	613	100%		
Source (Start Page)	1586	93%		
Source (Volume)	304	93%		
Subject Category	152	99%		
Times Cited	64	100%	Number	
Title	3122	100%		Record Title
Title (NLP) (Phrases)	7237	99%		
Title (NLP) (Words)	6594	100%		

Summary | List::Author Affiliations (Name Only)

EN

Merge Fields

List of All Fields & Groups List of Fields & Groups to be merged.

Thomson Data Analyzer - [Inst Software]

File Edit View Sheets Fields Groups Tools Scripts Window Help

Summary

Title

0 Items, 0 Selected

Combined Keywords + Phrases	69171	100%		
Conference Date	382	31%		
Conference Location	237	31%		
Conference Title	394	31%		
Countries	103	99%		Country
Countries (1)	74	99%		Country
Countries (1st)	68	99%		Country
Database	1	100%		
DOI	2632	83%		
Email	2489	86%	File	
Funding Acknowledgments	745	23%		
Funding Award Numbers	992	17%		
Funding Organization	998	23%		Organization
Funding Organization (w/ awd. num.)	1450	23%		
ISI Unique Article Identifier	3161	100%		
ISSN	438	95%		
Issue	98	87%		
Keywords (author's)	7654	77%		
Keywords (author's) + Keywords Plus + Title (NLP) (Phrases)	17049	99%		
Keywords Plus	4858	72%		
Number of Author Affiliations (Full)	20	100%		
Number of Author Affiliations (Name Only)	19	100%		Organization
Number of Authors	25	100%	Number	Person
Number of Countries	12	100%		Country
Publication Date	207	85%		
Publication Type	3	100%		
Publication Year	8	100%	Year	Date
Reprint Address	2704	96%		
Reprint Address (City and Country)	618	96%		
Reprint Address (country)	67	96%		
Reprint Address (no name)	2155	96%		
Reprint Address (org name)	905	96%		

THOMSON

Thomson Data Analyzer Analyst's Guide

提纲

- Thomson Data Analyzer概况
- 数据导入与数据管理
- 数据清理/数据结构化
- 数据分析
- 生成报告



数据清理/数据结构化

高质量的数据分析结果首先取决于数据的准确性与完整性:

- 让数据的差异性最小
- 尽量减少词汇的拼写差异、或者同义词等

清理数据的方法包括:

- **List Cleanup**- 机器辅助识别并聚类相似的术语
- **Thesauri**- 按照规则识别并聚类类似的术语
- **Groups**— 在一个字段中标记类似的术语，同时可保留条目细节

数据清理/数据结构化

- 数据规范/数据结构化



- 为什么要规范数据：

Alloy, alloys; “human-computer interaction” and “human computer interaction”；单数/复数变化；拼写错误；美式/英式拼写；公司名称/机构的不同书写格式的不同；



针对本课题需要清理的数据

- 作者
- 机构（作者地址）
- 自然语词（标题、摘要、关键词）
- 文献来源（国家、地区、）
- 学科分类



数据清理之: List Cleanup

- TDA 可以将同义词/等同词等加以区分;
- 当使用List Cleanup工具时, 您在使用文件名后缀为 .fuz 的文件对数据进行清理. 最常用的模糊匹配文献包括:
 - 机构(Affiliation) - 可用于公司/机构字段, 忽略常用的机构标志词 (e.g. Corp, AG, KK, Ltd)
 - 作者(Author)-用于作者字段;
 - 发明人(Inventor)-用于发明人字段;
 - 一般(General)-可用于所有的文本字段, e.g. cleaning NLP text fields



利用List Clean up清理数据

Thomson Data Analyzer - [TDA1]

File Edit View Sheets Fields Groups Tools Scripts Window Help

Import More Fields

Rename Field...
Copy Field...
Delete Field...
Merge Fields...

Create Field From Group Items...
Create Field From Group Names...

Thesaurus...
Find and Replace...

List Cleanup... (highlighted)

Resume Saved List Cleanup...

Create Key Field Ctrl+K
) (Phrases)
) (Words)

Extract Nearby Phrases...

Further Processing
) (Phrases)

Abstract DETAILED DESCRIPTION (NLP) (Words)
Abstract EQUIVALENT
Abstract EQUIVALENT (NLP) (Phrases)
Abstract EQUIVALENT (NLP) (Words)
Abstract NOVELTY
Abstract NOVELTY (NLP) (Phrases)
Abstract NOVELTY (NLP) (Words)
Abstract USE
Abstract USE (NLP) (Phrases)
Abstract USE (NLP) (Words)
Abstract USE/ADVANTAGE
Abstract USE/ADVANTAGE (NLP) (Phrases)
Abstract USE/ADVANTAGE (NLP) (Words)
Application Dates
Application Numbers (long)
Application Years
Basic Patent Country
Basic Patent Date

Summary

Source Database WoK - DII (Field-Tagged text)

Source File C:\Documents and Settings\Administrator\桌面\tda\3g2.txt (+ 6 others)

	Number of Items	% Coverage	Data Type	Meta Tags
	3368	100%		
	3363	99%		
	60254	99%		
	16831	99%		
	3017	89%		
	13922	89%		
	7024	89%		
	3026	90%		
	6682	90%		
	5421	90%		
	2375	71%		
	6816	71%		
	3765	71%		
	27	0%		
	454	0%		
	707	0%		
	3332	99%		
	22561	99%		
	8764	99%		
	3050	91%		
	7913	91%		
	4081	91%		
	1	0%		
	5	0%		
	15	0%		
	2034	100%		
	9509	100%		
	19	100%	Year	
	19	100%		Country
	963	100%		

THOMSON

Thomson Data Analyzer Analyst's Guide

→ Your First Analysis

List Cleanup

List Cleanup

Cited Year
Combined Keywords + Phrases
Conference Date
Conference Location
Conference Title
Countries
Countries (1st)
Database
Document Type
DOI
Email
Funding Acknowledgments
Funding Award Numbers
Funding Organization
Funding Organization (w/ awd. num.)
Genuine Article Number
ISI Doc Delivery Num

New Field: Funding Organization (Cleaned)

Confirm Changes
 Verify Matches w/ another Field
Setup Verification

Cleanup's Performance Goal
Faster More Complete

Resolving Indeterminate Group Tags
 Mark neutral (most conservative)
 Based on record count (less conservative)
 Mark include (least conservative)

查找范围 (I): Fuzzy

我最近的文档
桌面
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网上邻居

BritishAmericanSpelling.fuz
BritishAmericanSpellingStem.fuz
General.fuz
Inventor.fuz
Organization Names (ignore dept).fuz
Organization Names (strict).fuz
Organization Names.fuz
Person Names.fuz
Person Names-Very Aggressive.fuz

文件名 (N): Organization Names Use
文件类型 (T): Fuzzy Matching Files (*.fuz) 取消

Organization Names (Patent Assignees, Corporate Source) -- 68% match; At least 51% agreement b/w matching terms
Uses Stemming, Ignore List: OrgIgnore.dat

相同机构的合并 (光标拖动放在相应名称下即可)

Cleanup Confirm

Cleanup Sets Detail Window

Item Name	Num Reco
National Science and Technology Support Program of China	1
National Support Project for Science and Technology of China	1
National Research Foundation of South Africa	3
National Research Foundation of South Africa	2
Water Research Commission of South Africa	1
National Natural Scientific Foundation of China (NSFC)	50
National Natural Science Foundation of China	38
National Natural Sciences Foundation of China	2
National Natural Scientific Foundation of China	3
National Natural Scientific Foundation of China (NSFC)	1
National Nature Science Foundation of China	1
Natural Science Foundation of China	4
Natural Scientific Foundation of China (NSFC)	1
National Natural Science Foundation and Ministry of Agriculture of China	4
National Key Technology RD Program	4
National Institutes of Health	2
National Center of Excellence for Environmental and Hazardous Waste Management (NCE-EHWM)	4
National Center of Excellence for Environmental and Hazardous Waste Management (NCE-EHWM)	2
National Research Center for Environmental and Hazardous Waste Management (NRC-EHW...)	1
National Research Center of Excellence for Environmental and Hazardous Waste Managemen...	1
National Basic Research Program of China	18

Display

All Items

Combined Items

Custom Set of Items

Custom Set of Items

Find Close Matches (50%)

Remove All Invert Set

Find

Regular Expression

Add Remove

Save as Thesaurus

Accept

Cancel

将不应该归并的数据从组中去除（选中数据并采用右键）

Cleanup Confirm
Cleanup Sets Detail Window

Item Name	Num Records
Ministry of Education, Culture, Sports, Science and Technology, Japan (MEXT)	1
Ministry of Environmental Protection	5
Ministry of Environmental Protection	1
Ministry of Environmental Protection	4
Adnan Menderes University	4
Ministry of Science and technology, China	4
National Center of Excellence for Environmental and Hazardous Waste Management (NCE-EHWM)	4
National Center of Excellence for Environmental and Hazardous Waste Management (NCE-EHWM)	2
National Research Center for Environmental and Hazardous Waste Management (NRC-EHWM)	1
National Research Center of Excellence for Environmental and Hazardous Waste Management (NRC-EHWM), Chulalongkorn...	1
National Key Technology RD Program	4
National Key Technology RD Program	3
National Key Technology RD Programme	1
National Natural Science Foundation and Ministry of Agriculture of China	3
Ministry of Agriculture of China	1
National Natural Science Foundation and Ministry of Agriculture of China	2
Swedish International Development Authority (SIDA)	4
Swedish International Development Agency (SIDA)	1
Swedish International Development Authority (SIDA)	2
Swedish International Development Cooperation Agency (SIDA)	1
The United States Environmental Protection Agency, through its Office of Research and Development	4
The United States Environmental Protection Agency, through its Office of Research and Development	1
United States Environmental Protection Agency	1
United States Environmental Protection Agency through its Office of Research and Development	1
United States Environmental Protection Agency, through its Office of Research and Development	1
Australian Research Council	3
Brazilian Research Council (CNPq)	3
Brazilian Research Council (CNPq)	2
National Research Council (CNPq)	1

Display

All Items

Combined Items

Custom Set of Items

Custom Set of Items

Find Close Matches (50%)

Remove All Invert Set

Find

Regular Expression

Add Remove

Save as Thesaurus

Accept

Cancel

ListClean up中止

Cleanup Confirm

Cleanup Sets Detail Window

Save Session to Finish Later (circled)

Load Saved Session

Save as Thesaurus

Thesaurus Options

Cancel Cleanup

Accept Cleanup

Num Records	Display
48	<input type="radio"/> All Items
38	<input checked="" type="radio"/> Combined Items
2	<input type="radio"/> Custom Set of Items
2	
3	
1	
4	
18	
1	
16	
1	
17	
7	
2	
5	
5	
1	
1	
2	
1	
5	
1	
4	

Save Cleanup Session

Enter an identifying note about this cleanup session

OK

pesticide resident

Cancel

D:\...\training PPT\TDA\TDA-农药残留.vpt
Funding Organization
C:\...\Fuzzy\Organization Names.fuz

恢复继续清理

The screenshot shows a software interface with a menu on the left and a data table in the background. A dialog box titled "Choose the correct saved session" is open in the foreground. The dialog box contains the following text and elements:

One valid list cleanup saved session has been found. Select and press OK.

Dataset	Field	Fuzzy Settings	User Comment
D:\个人工作簿\trai...	Funding Organization	C:\Program Files\T...	pesticide resident

Show All Sessions

OK Cancel

The background data table (partially visible) has the following content:

Field	Count	% Coverage	Data Type	Meta Tags
number of Item	3407	100%		
	2857	83%		
	70056	83%		
	31350	83%		
	1254	87%		Organization
	1000	83%		
Document Type	10	100%		Document Type
DOI	2463	72%		
Email	1171	45%	File	
Funding Acknowledgments	447	13%		
Funding Award Numbers	463	8%		
Funding Organization	710	13%		Organization
Funding Organization (Cleaned)	613	13%		Organization

将清理结果保存为叙词, 用于今后数据清理

Cleanup Confirm
Cleanup Sets Detail Window

Item Name Num Records Display

- National Natural Science Foundation of China
 - National Natural Science Foundation of China
 - National Natural Science Foundation of China
 - National Natural Science Foundation of China
 - National Nature Science Foundation of China
 - Natural Science Foundation of China
 - Natural Scientific Foundation of China
- National Basic Research Program of China
 - National Basic Research Program of China
 - National Basic Research Program of China
 - National Key Basic Research Program of China
- Chinese Academy of Sciences
 - Chinese Academy of Sciences
 - Chinese Academy of Sciences
- Japan Society for the Promotion of Science
 - Japan Society for the Promotion of Science
 - Japan Society for the Promotion of Science
- Ministry of Science and Technology
 - Ministry of Science and Technology
 - Ministry of Science and Technology
 - Ministry of Science and Technology

Save as Thesaurus, Choose Filename

保存在 (I): bean.peng

我最近的文档

桌面

我的文档

我的电脑

网上邻居

fund.the
journal name.the

文件名 (N): fund

保存类型 (T): Thesaurus files (*.the)

保存 (S) 取消

数据清理之: Thesaurus-- 叙词表

- 您可以对一张数据列表利用叙词进行清理
- 您可以自己编辑叙词表
- 可以手工拖拽生成叙词表
- 当在**Cleanup Confirm** 对话框内点击 **Save As Thesaurus** 或者利用Groups创建叙词后 (Menu item **Groups and Create Thesaurus using Groups ...**) 再选择已存在的叙词文件 (*.the), 您就可以将叙词表合并到一个已有的叙词表里

使用叙词帮助信息清理

The screenshot displays the Thomson Data Analyzer (TDA1) interface. The main window shows a 'Summary' view of a 'Source Database WoX - DII (Field-Tagged text)'. A 'Thesaurus' dialog box is open, allowing the user to select a thesaurus file to clean a field named 'Countries (2)'. The dialog includes a list of available thesaurus files, a search range, and options for handling multiple matches and resolving indeterminate group tags.

Thomson Data Analyzer - [TDA1]

File Edit View Sheets Fields Groups Tools Scripts Window Help

Import More Fields

Rename Field...
Copy Field...
Delete Field...

0 Items, 0 Selected

Summary

Source Database WoX - DII (Field-Tagged text)

Thesaurus

查找范围 (I): Thesaurus

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桌面
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- AcadCorpGovIndiv. the
- Convert American into British. the
- Convert British into American. the
- Country. the**
- Derwent Classifications (2009). the
- Derwentpatentdate. the
- DWPI Abbreviations. the
- DWPI Manual Codes 5-chars (2009). the
- DWPI Manual Codes 5-chars (2010). the
- DWPI Manual Codes (2009). the
- DWPI Manual Codes (2010). the
- INPADOC Legal Status Codes. the
- IPC7 subclass defs. the
- IPC7. the
- IPC8 subclass defs. the
- IPC8. the
- PatentCountry. the
- Region. the
- software inst. the
- Stopwords (DWPI). the
- Stopwords (general). the
- Year. the

文件名 (N): Country Use

文件类型 (T): Thesaurus files (*.the) 取消

New Field: Countries (2)

Allow Multiple Matches

Include Unmatched Items in New Field

Resolving Indeterminate Group Tags

- Mark neutral (most conservative)
- Based on record count (less conservative)
- Mark include (least conservative)


Country thesaurus

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Thomson Data Analyzer Analyst's Guide
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→ Company Analysis

Title

0 Items, 0 Selected

	# Records	# Instances	Countries (1)
1	1367	2778	USA
2	481	674	Germany
3	316	456	France
4	256	332	UK
5	246	339	Italy
6	226	323	China
7	214	286	Canada
8	151	209	Israel
9	104	163	Japan
10	84	99	Spain
11	69	89	Netherlands
12	64	74	Switzerland
13	60	104	Taiwan
14	58	81	Finland
15	48	74	Greece
16	47	54	Czech Republic
17	42	49	Belgium
18	39	44	Poland
19	38	46	Denmark
20	38	50	South Korea
21	36	44	Hungary
22	36	46	Sweden
23	33	50	Australia
24	28	38	Singapore
25	26	30	Russia
26	25	27	Austria
27	25	29	India
28	25	32	Romania
29	24	26	Norway
30	23	29	Portugal
31	21	34	Chile
32	16	32	Brazil



Thomson Data Analyzer Analyst's Guide

→ [Your First Analysis](#)

Key Reports:

→ [Company Analysis](#)

→ [Company Comparison](#)

→ [Technology](#)

利用叙词编辑器编辑叙词表

The screenshot displays the Thomson Data Analyzer interface. The main window shows a data table with columns for '# Records' and '# Instances'. A 'Tools' menu is open, highlighting 'Thesaurus Editor...'. A 'Thesaurus Editor' dialog box is active, showing a 'Field' selection area with a red circle around the 'Field' button. A 'Choose Field' dialog box is also open, listing various fields, with 'Funding Organization' highlighted by a red circle.

Thomson Data Analyzer - [Inst Software_2011Mar30]

File Edit View Sheets Fields Groups Tools Scripts Window Help

List::Funding Organizat

Records
Instances

1 95 96
2 41 41
3 36 36
4 28 28
5 24 24
6 18 18
7 16 16
8 16 16
9 16 16
10 15 15
11 13 13
12 13 13
13 13 13
14 12 12
15 11 11
16 10 10
17 9 9
18 9 10
19 9 10
20 9 9
21 8 8
22 8 8
23 7 7
24 7 7
25 7 7
26 7 7
27 6 6
28 6 6
29 6 6
30 6 6
31 6 6
32 6 6

Thesaurus Editor

File Edit Thesaurus

Field

Thesaurus

No thesaurus

Choose Field

- Conference Date
- Conference Location
- Conference Title
- Countries
- Countries (1)
- Countries (1st)
- Database
- DOI
- Email
- Funding Acknowledgments
- Funding Award Numbers
- Funding Organization
- Funding Organization (w/ awd. num.)
- ISI Unique Article Identifier
- ISSN

OK Cancel

Thomson Data Analyzer Analyst's Guide

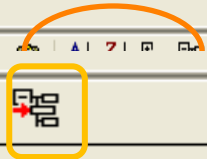
→ Your First Analysis

Key Reports:

→ Company Analysis

→ Company

Insert Item/Insert Sub Item



Field

Funding Orga

- "Communit
- "Cooperati
- "Dynamic C
- "Process A
- 6th Framew
- 863 Progra..
- Abbott Lab
- Academic R
- Academy of
- Accreditat
- Actions de
- Adams Fell
- AFOSR
- Agence Nat
- Agency of
- AICML
- Air Force
- Air Force
- Alberta Pr
- Alexander
- Alfred P.
- Alfred P.
- ALIDF
- Alon Fello
- American C
- American S
- American S
- Android
- Anillo en
- ANR
- Applanix
- Applied Bi
- AREG
- ARF
- Army Resea

Display

Entire Li

Matche

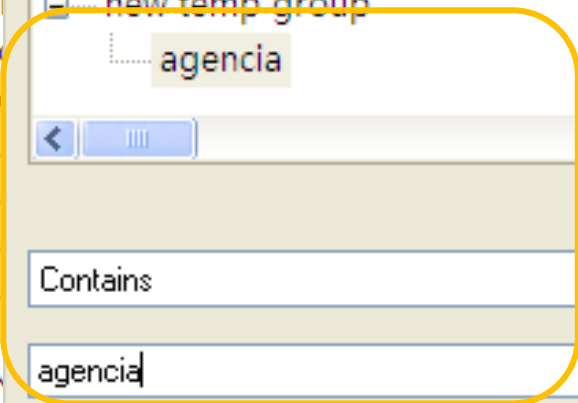
Thesaurus

C:\Program Files\Thomson Data Analyzer\Thesaurus\bean.peng

- + ... US EPA, Off Res & Dev, Natl Exposure Res La
- + ... US EPA,CORVALLIS,OR 97330
- + ... US EPA,ECOL MONITORING BRANCH,PESTIC
- + ... US EPA,NATL EXPOSURE RES LAB,RES TRIAN
- + ... US FDA + Zhejiang Univ, Inst Pesticide & Environm Toxi
- + ... US FIS new temp group
- + ... US Ge agencia
- + ... US Ge
- + ... USDA
- + ... USDA
- + ... USDA
- + ... USDA
- + ... Virgini
- + ... VIRGIN
- + ... agencia
- + ... Visva Bharati Univ, Dept 2001, Santiniketan 7
- + ... Vrije Univ Amsterdam, Inst Ecol Sci, NL-1081
- + ... Waste Management Research
- + ... Xunta de Galicia
- + ... Yangzhou Univ, Agron Coll, Yangzhou 225009
- + ... Zhejiang Univ Technol, Coll Biol & Environm
- + ... Zhejiang Univ, Inst Pesticide & Environm Toxi
- new temp group

Results

Apply Thesaurus



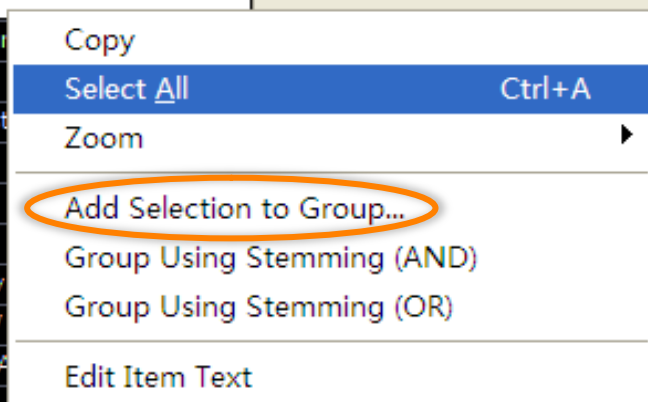
数据清理之Group

- 数据列表中的项目可以被标记到一个集合或者一个组之中
- 分组功能对于减少共现矩阵的大小非常有帮助
- 将数据集中的数据提取出来形成一个新的数据集合并对其加以定义.



形成Top30研究机构组成(选中并用右键)

	# Records	# Instances	Author Affiliation
11	20	20	Peking Univ
12	20	20	Zhejiang Univ
13	18	18	Ind Toxicol Res Ctr
14	17	17	MICHIGAN STATE UNIV
15	17	17	Univ Lancaster
16	16	16	UNIV SAO PAULO
17	15	15	China Agr Univ
18	15	15	Forschungszentrum
19	14	14	Univ Murcia
20	13	13	Indian Agr Res Inst
21	13	13	UNIV FLORIDA
22	12	12	Univ Washington
23	11	11	Cornell Univ
24	11	11	Rutgers State Univ
25	11	11	TEXAS A&M UNIV
26	11	11	UNIV ALEXANDRIA
27	11	11	Univ Bari
28	10	10	Benaki Phytopathol Inst
29	10	10	Gazi Univ
30	10	10	Meteorol Serv Canada
31	10	10	Oregon State Univ
32	10	10	UNIV CALIF BERKELEY
33	10	10	Univ Veracruz
34	9	9	Canadian Wildlife Serv
35	9	9	FED BIOL RES CTR AGR & FORESTRY



Add items

Add selected items to group:

- DETERMIN...
- tive sam...
- ogical r...
- stimatin...
- the ana...
- ng separ...
- studies ...
- Risk As...
- RBON FIL...
- metals a...
- licy obj...
- acrophyt...
- chloroth...
- rganochl...
- rganochl...
- olychlor...
- os on re...
- rine pes...
- rine pes...
- ganochlo...
- ersisten...
- f three ...
- y of bro...
- sticides...
- ter of t...
- idues in...
- idues in...
- Mississ...
- the Pat...
- os resid...
- organoch...
- s along ...
- urface e...

New group:
top30 affiliation

List::Author Affiliations (Name On) [dropdown] [refresh] [back] [forward]

	# Records	# Instances	Author Affiliation	top30 affiliation
1	89	89	Chinese Acad Sci	▼
2	56	56	EHIME UNIV	▼
3	51	51	Environm Canada	▼
4	42	42	US EPA	▼
5	38	38	US GEOL SURVEY	▼
6	29	29	USDA ARS	▼
7	28	28	CSIC	▼
8	28	28	Univ Ioannina	▼
9	27	27	UNIV CALIF RIVERSIDE	▼
10	22	22	UNIV CALIF DAVIS	▼
11	20	20	Peking Univ	▼
12	20	20	Zhejiang Univ	▼
13	18	18	Ind Toxicol Res Ctr	▼
14	17	17	MICHIGAN STATE UNIV	▼
15	17	17	Univ Lancaster	▼
16	16	16	UNIV SAO PAULO	▼
17	15	15	China Agr Univ	▼
18	15	15	Forschungszentrum Julich	▼
19	14	14	Univ Murcia	▼
20	13	13	Indian Agr Res Inst	▼
21	13	13	UNIV FLORIDA	▼
22	12	12	Univ Washington	▼
23	11	11	Cornell Univ	▼
24	11	11	Rutgers State Univ	▼
25	11	11	TEXAS A&M UNIV	▼

Edit Groups... Ctrl+G

List Comparison... Ctrl+R

Group Using Thesaurus...

Create Thesaurus Using Groups...

Group Using Stemming (AND)

Group Using Stemming (OR)

2	56	56	EHIME UNIV
3	51	51	Environm Canada
4	42	42	US EPA
5	38	38	US GEOL SURVEY
6	29	29	USDA ARS
7	28	28	CSIC
8	28	28	Univ Ioannina
9	27	27	UNIV CALIF RIVERSIDE
10	22	22	UNIV CALIF DAVIS
11	20	20	Peking Univ
12	20	20	Zhejiang Univ
13	18	18	Ind Toxicol Res Ctr
14	17	17	MICHIGAN STATE UNIV
15	17	17	Univ Lancaster
16	16	16	UNIV SAO PAULO
17	15	15	China Agr Univ
18	15	15	Forschungszentrum Julich
19	14	14	Univ Murcia
20	13	13	Indian Agr Res Inst
21	13	13	UNIV FLORIDA
22	12	12	Univ Washington
23	11	11	Cornell Univ
24	11	11	Rutgers State Univ
25	11	11	TEXAS A&M UNIV

Manage Groups - Author Affiliations (Name Only)

Groups Selection

Add ... Delete Rename ...

top30 affiliation
 government fund
 univ fund



Create Group

Group label:

OK

government fund

Cancel

- Add
- Exclude
- Clear

Close

分组

File Groups Tools Scripts Window Help

1 2 3 4 5 6 7 8 9

List::Author Affiliations (Name On

	# Records	# Instances	Author Affiliation	top30 affiliation	government fund	univ fund
1	89	89	Chinese Acad Sci	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	56	56	EHIME UNIV	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	51	51	Environm Canada	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	42	42	US EPA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	38	38	US GEOL SURVEY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	29	29	USDA ARS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	28	28	CSIC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	28	28	Univ Ioannina	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	27	27	UNIV CALIF RIVERSIDE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10	22	22	UNIV CALIF DAVIS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	20	20	Peking Univ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	20	20	Zhejiang Univ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	18	18	Ind Toxicol Res Ctr	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	17	17	MICHIGAN STATE UNIV	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	17	17	Univ Lancaster	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16	16	16	UNIV SAO PAULO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	15	15	China Agr Univ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	15	15	Forschungszentrum Julich	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	14	14	Univ Murcia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	13	13	Indian Agr Res Inst	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	13	13	UNIV FLORIDA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
22	12	12	Univ Washington	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
23	11	11	Cornell Univ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
24	11	11	Rutgers State Univ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	11	11	TEXAS A&M UNIV	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Summary List::Author Affiliations (Name Only)

提纲

- Thomson Data Analyzer概况
- 数据导入与数据管理
- 数据清理/数据结构化
- 数据分析
- 生成报告

数据分析

- List: 一维分析
- 矩阵分析: 二维分析
- Map: 最好利用分过组的数据进行分析
- 预制的分析模块 : 三维分析/分析报告



Title
0 Items, 0 Selected

Number of Records: 3407 Source Database: WoK - WoS (Field-Tagged text)
Source Date: Jul 25 2011 10:23 Source File: C:\Documents and Settings\bean.peng.TFCORP\桌面\TDA-\savedrecs(6).txt (+ 6 others)

- Field
- Raw Record
- Abstract
- Abstract (NLP) (Phrases)
- Abstract (NLP) (Words)
- Author Affiliations (1st)
- Author Affiliations (City and Country)
- Author Affiliations (Full)
- Author Affiliations (Full) (Cleaned)
- Author Affiliations (Name and City and Country)
- Author Affiliations (Name Only)
- Authors
- Authors (1st)
- Authors (Best Available)
- Authors (Full Name)
- Cited Authors
- Cited Journal
- Cited Patent
- Cited Reference Count
- Cited References
- Cited References (DOI)
- Cited Year
- Combined Keywords + Phrases
- Conference Date
- Conference Location
- Conference Title
- Countries
- Countries (1st)
- Database
- Document Type
- DOI
- Email

Create List

- Abstract (NLP) (Phrases)
- Abstract (NLP) (Words)
- Author Affiliations (1st)
- Author Affiliations (City and Country)
- Author Affiliations (Full)
- Author Affiliations (Name and City and Country)
- Author Affiliations (Name Only)
- Author Affiliations (Name Only) (1)
- Authors
- Authors (1st)
- Authors (Best Available)
- Authors (Full Name)
- Combined Keywords + Phrases
- Conference Date
- Conference Location
- Conference Title
- Countries
- Countries (1)
- Countries (1st)
- Database
- DOI
- Email

OK Cancel

2463	72%	
1171	45%	File
117	3%	

地区覆盖 (文献发表国一维分析)

Thomson Data Analyzer - [TDA-农药残留]

File Edit View Sheets Fields Groups Tools Scripts Window Help

Toolbar
Status Bar
Workbook
Analyst's Guide
Title Window
Detail Windows
Add Detail Window

540 Items, 0 Selected

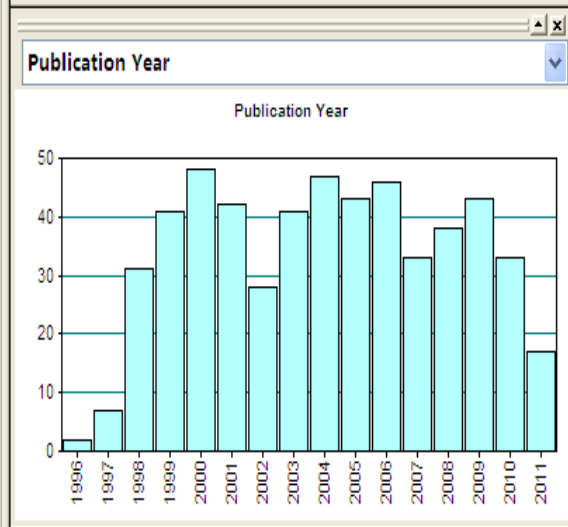
- A chemical te
- A cross-taxa
- A field test
- A historical
- A holistic pa
- A logical starting point for developi...
- A longitudinal investigation of selec...
- A methodology to assess the risk of a...
- A multi-residue method for the analys...
- A pilot study of children's exposure ...
- A Preliminary Human Health Risk Asses...
- A review of model applications for stu...
- A simplified liquid-solid extraction ...
- A sonication extraction method for th...
- A survey of soil sample handling proc...
- A tiered approach for evaluating avia...
- Ability of Four Emergent Macrophytes ...
- Abiotic transformation of DDT in aque...
- Accounting for differing exposure pat...
- Accumulation and decay of chlorothalo...
- Accumulation features of polychlorina...
- Accumulation of chlorpyrifos on resid...
- Accumulation of organochlorine pestic...
- Accumulation of organochlorine pestic...
- Accumulation pattern of organochlorin...
- Accuracy and performance of three wat...
- Acephate exposure and decontamination...
- Activation of steroid and xenobiotic ...
- Adipose tissue levels of organochlori...
- Age at natural menopause and exposure...
- Agrichemicals in ground water of the ...
- Agricultural adjuvants: Acute mortali...
- Agricultural pesticide residues in oy...
- Agricultural Pesticides in Mississipp...
- Agricultural pesticides in the Patuxe...
- Agricultural task and exposure to org...

	# Records	# Instances	Countries
1	540	1071	USA
2	308	556	PEOPLES R CHINA
3	226	442	CANADA
4	216	310	INDIA
5	171	250	GERMANY
6	165	283	SPAIN
7	140	200	ITALY
8	135	185	ENGLAND
9	134	230	JAPAN
10	88	149	FRANCE
11	77	127	Greece
12	74	139	AUSTRALIA
13	72	118	Turkey
14	65	126	BRAZIL
15	64	116	MEXICO
16	57	90	NETHERLANDS
17	46	67	POLAND
18	39	61	Switzerland
19	37	56	EGYPT
20	34	56	NORWAY
21	33	49	SWEDEN
22	32	46	Portugal
23	31	44	Belgium
24	29	49	Pakistan
25	28	40	DENMARK

右键选择数据拷贝并做图

Funding Organization (Cleaned)

10	National Natural Science Foundation of China
7	Chinese Academy of Sciences
5	National Basic Research Program of China
4	National Center of Excellence for Environmental and Hazar



Subject Category

540	Environmental Sciences & Ecology
196	Toxicology
131	Public, Environmental & Occupational Health
66	Engineering
27	Marine & Freshwater Biology
16	Water Resources
9	Meteorology & Atmospheric Sciences
8	Agriculture

Title

540 Items, 0 Selected

A chemical test for determining biolo...

A cross-taxa survey of organochlorine...

A field test of the quotient method f...

A historical assessment of coastal co...

A holistic passive integrative sampli...

A logical starting point for developi...

A longitudinal investigation of selec...

A methodology to assess the risk of a...

A multi-residue method for the analys...

A pilot study of children's exposure ...

A Preliminary Human Health Risk Asses...

A review of model applications for stu...

A simplified liquid-solid extraction ...

A sonication extraction method for th...

A survey of soil sample handling proc...

A tiered approach for evaluating avia...

Ability of Four Emergent Macrophytes ...

Abiotic transformation of DDT in aque...

Accounting for differing exposure pat...

Accumulation and decay of chlorothalo...

Accumulation features of polychlorina...

Accumulation of chlorpyrifos on resid...

Accumulation of organochlorine pestic...

Accumulation of organochlorine pestic...

Accumulation pattern of organochlorin...

Accuracy and performance of three wat...

Acephate exposure and decontamination...

Activation of steroid and xenobiotic ...

Adipose tissue levels of organochlori...

Age at natural menopause and exposure...

Agrichemicals in ground water of the ...

Agricultural adjuvants: Acute mortali...

Agricultural pesticide residues in oy...

Agricultural Pesticides in Mississipp...

Agricultural pesticides in the Patuxe...

Agricultural task and exposure to org...

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8	135	185	ENGLAND
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10	88	149	FRANCE
11	77	127	Greece
12	74	139	AUSTRALIA
13	72	118	Turkey
14	65	126	BRAZIL
15	64	116	MEXICO
16	57	90	NETHERLANDS
17	46	67	POLAND
18	39	61	Switzerland
19	37	56	EGYPT
20	34	56	NORWAY
21	33	49	SWEDEN
22	32	46	Portugal
23	31	44	Belgium
24	29	49	Pakistan
25	28	40	DENMARK

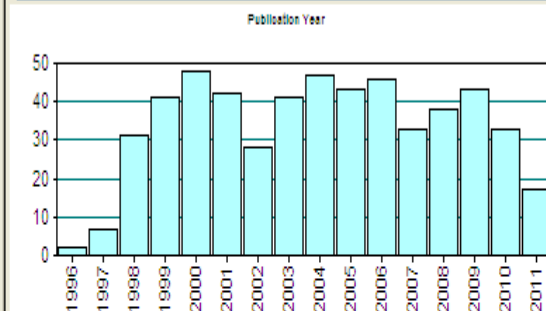
List:Author Affiliations (Name Only)

List::Countries

Funding Organization (Cleaned)

10	National Natural Science Foundation of China
7	↑↑ Chinese Academy of Sciences

Publication Year



Subject Category

540	Environmental Sciences & Ecology
196	Toxicology
131	Public, Environmental & Occupational Health
66	Engineering
27	Marine & Freshwater Biology

Keywords (author's)

77	PESTICIDES
28	↓↓ ORGANOCHLORINE PESTICIDES
24	↑↑↑ CHLORPYRIFOS
24	PESTICIDE
21	↑↑↑ children

Title

540 Items, 24 Selected

Dermal insecticide residues from bird...
 Dermal transfer of chlorpyrifos residu...
 Design strategy for assessing multi-p...
 Determinants of serum polychlorinated...
 Determination of a standardized sampl...
 Determination of acaricide residues i...
 Determination of bioavailable contami...
 Determination of organochlorine and o...
 Determination of pesticide residues i...
 Determination of uptake kinetics (Sam...
 Determination of urinary metabolites ...
 Diazinon dissipation from vegetation...
 Dietary exposure to chlorpyrifos and l...
 Dietary patterns among the Metro Atl...
 Differences in p,p'-DDE bioaccumulat...
 Differential toxicity and environmen...
 Dissipation of four forest-use herbic...
 Distribution and change of DDT and HC...
 Distribution and persistence of pyret...
 Distribution and toxicity of sediment...
 Distribution and variance/covariance ...
 Distribution of 2,4-D in air and on s...
 Distribution of 2,4-dichlorophenoxyac...
 Distribution of atrazine into three c...
 Distribution of DDT and other persist...
 Distribution of DDT in sediments off...
 Distribution of pesticide residues wi...
 Distribution of pesticides and polycy...
 Distribution of polychlorinated biphe...
 Distribution of soil arsenic species...
 Ecological risk assessment of atrazin...
 Effect of corn root exudates on the d...
 Effect of grasses on herbicide fate i...
 Effect of piperonyl butoxide on perme...
 Effect of planting covers on herbicid...
 Effect of prairie grass on the dissip...

	# Records	# Instances	Country
1	540	1071	USA
2	308	556	PEOPLES R CHINA
3	226	442	CANADA
4	216	310	INDIA
5	171	322	AFGHANISTAN
6	166	272	INDONESIA
7	157	252	NETHERLANDS
8	156	252	FRANCE
9	134	230	JAPAN
10	88	149	FRANCE
11	77	127	Greece
12	74	139	AUSTRALIA
13	72	118	Turkey
14	65	126	BRAZIL
15	64	116	MEXICO
16	57	90	NETHERLANDS
17	46	67	NETHERLANDS
18	39	61	NETHERLANDS
19	37	56	NETHERLANDS
20	34	56	NORWAY
21	33	49	SWEDEN
22	32	46	Portugal
23	31	44	Belgium
24	29	49	Pakistan
25	28	40	DENMARK

List: Author Affiliations (Name Only)

共现值高于或者低于期望的数值很多时，将会出现一个期望值显示箭头

箭头的表示共现值与期望之差距的大小
没有箭头则表明这个数值与期望值没有太大偏差

绿色向上的箭头表示共现值大于预期
红色向下箭头表示数值低于预期。

Foundation of China

Chinese Academy of Sciences

5 National Basic Research Program of China

4 ↑↑↑ National Center of Excellence for Environmental and Hazardous Waste Management

4 ↑↑↑ The United States Environmental Protection Agency, through its Office of Research a

Publication Year

Subject Category

540 Environmental Sciences & Ecology

196 Toxicology

131 Public, Environmental & Occupational Health

66 Engineering

27 Marine & Freshwater Biology

Keywords (author's)

77 PESTICIDES

28 ↓↓ ORGANOCHLORINE PESTICIDES

24 ↑↑↑ CHLORPYRIFOS

24 PESTICIDE

21 ↑↑↑ children

二维矩阵分析

Thomson Data Analyzer - [TDA-农药残留]

File Edit View Sheets Fields Groups Tools Scripts Window Help

1 2 3 4 5 6 7 8 9

List::Countries

Title

540 Items, 24 Selected

Dermal insecticide residues from bird...
Dermal transfer of chlorpyrifos residu...
Design strategy for assessing multi-p...
Determinants of serum polychlorinated...
Determination of a standardized sampl...
Determination of acaricide residues i...
Determination of bioavailable contami...
Determination of organochlorine and o...
Determination of pesticide residues i...
Determination of uptake kinetics (Sam...
Determination of urinary metabolites ...
Diazinon dissipation from vegetation...
Dietary exposure to chlorpyrifos and l...
Dietary patterns among the Metro Atl...
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Differential toxicity and environment...
Dissipation of four forest-use herbic...
Distribution and change of DDT and HC...
Distribution and persistence of pyret...
Distribution and toxicity of sediment...
Distribution and variance/covariance ...
Distribution of 2,4-D in air and on s...
Distribution of 2,4-dichlorophenoxyac...
Distribution of atrazine into three c...
Distribution of DDT and other persist...
Distribution of DDT in sediments off...
Distribution of pesticide residues wil...
Distribution of pesticides and polycy...
Distribution of polychlorinated biphe...
Distribution of soil arsenic species...
Ecological risk assessment of atrazin...
Effect of corn root exudates on the d...
Effect of grasses on herbicide fate i...
Effect of piperonyl butoxide on perme...
Effect of planting covers on herbicid...
Effect of prairie grass on the dissip...

Funding Organization (Cleaned)

10	National Natural Science Foundation of China
7	↑↑ Chinese Academy of Sciences
5	National Basic Research Program of China

2002 2003 2004 2005 2006 2007 2008 2009 2010 2011

Ecology
Occupational Health
ogy
ic Sciences

DES

NUM

Records Instances Countries

1 54
2 30
3 22
4 21
5 17
6 16
7 14
8 13
9 13
10 88
11 77
12 74
13 72
14 65
15 64
16 57
17 46
18 39
19 37
20 4
21 3
22 2
23 1
24 3
25 8

21 ↑↑ children

Matrix: Co-Occurrence (based on Record counts)
3161 Rows: ~Raw Record -- All Items
0 Cols: No field selected

Matrix

- Cooccurrence
- Auto-correlation
- Cross-correlation
- TFIDF $\sqrt{\text{TFI}} * \text{IDF}$

Based On

- # of Records
- # of Instances

Correlation function

- Pearson's r
- Cosine
- Max Proportional

OK Cancel

矩阵分析的类型:

- **同现矩阵 (Co-occurrence Matrix):** 寻找同时出现在两个矩阵参数中的记录
- **自相关系数矩阵 (Auto-Correlation Matrix):** 利用矩阵分析在相同的字段中, 寻找关系密切的项目。如寻找合作密切的公司、发明人, 自相关系数矩阵只适用于有多个数值的字段。
- **互相关系数矩阵 (Cross-Correlation Matrix):** 利用矩阵分析在不同字段中, 寻找关系密切的项目。如在相同领域研发相似的专利权人



同现矩阵 (Co-occurrence Matrix)

Thomson Data Analyzer - [TDA-农药残留]

File Edit View Sheets Fields Groups Tools Scripts Window Help

List::Author Affiliations (Name On) |< |>

Title	# Records	# Instances	Author Affiliation	top30 affiliation	government fund	univ fund
1	89	89	Chinese Acad Sci	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	56	56	EHIME UNIV	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	51	51	Environm Canada	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	42	42	US EPA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	38	38	US GEOL SURVEY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	29	29	USDA ARS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	28	28	CSIC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	28	28	Univ Ioannina	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	27	27	UNIV CALIF RIVERSIDE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	22	22	UNIV CALIF DAVIS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11	20	20	Peking Univ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	20	20	Zhejiang Univ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	18	18	Ind Toxicol Res Ctr	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	17	17	MICHIGAN STATE UNIV	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15	17	17	Univ Lancaster	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16	16	16	UNIV SAO PAULO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17	15	15	China Agr Univ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18	15	15	Forschungszentrum Julich	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19	14	14	Univ Murcia	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20	13	13	Indian Agr Res Inst	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21	13	13	UNIV FLORIDA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
22	12	12	Univ Washington	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
23	11	11	Cornell Univ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
24	11	11	Rutgers State Univ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25	11	11	TEXAS A&M UNIV	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Create Matrix

Rows

- Abstract (NLP) (Words)
- Author Affiliations (1st)
- Author Affiliations (City and Country)
- Author Affiliations (Full)
- Author Affiliations (Full) (Cleaned)
- Author Affiliations (Name and City a
- Author Affiliations (Name Only)
- Authors
- Authors (1st)
- Authors (Best Available)
- Authors (Full Name)

Columns

- Reprint Address (org name)
- Reprint Author
- Source
- Source (Start Page)
- Source (Volume)
- Source Title (Abbrev)
- Subject Category
- Times Cited
- Title
- Title (NLP) (Phrases)
- Title (NLP) (Words)

Matrix: Co-Occurrence (based on Record counts)
 1254 Rows: Author Affiliations (Name Only) -- All Items
 35 Cols: Subject Category -- All Items

Matrix: Cooccurrence Auto-correlation Cross-correlation TFIDF

Based On: # of Records # of Instances

Correlation function: Pearson's r Cosine Max Proportional

OK Cancel

List::Author Affiliations (Name Only) |< |>

TDA-农药...

14	DDT
13	HCH
13	ORGANOCHLORINE PESTICIDES
11	China
11	SOIL

NUM

时间序列分析 (出版年) (共现矩阵)

Thomson Data Analyzer - [TDA-农药残留]

File Edit View Sheets Fields Groups Tools Scripts Window Help

Matrix: Author Affiliations (Name)

66 Items, 0...

Accumulat...
Accumulat...
Assessmen...
CHARACTER...
CONCENTRA...
CONGENER...
Contamina...
Contamina...
Contamina...
Contamina...
Contamina...
CURRENT S...
Dioxins a...
DISTRIBUT...
Environme...
GEOGRAPHI...
GEOGRAPHI...
GLOBAL OR...
Global pol...
Hexabromo...
High leve...
Human exp...
Levels an...
Occurrenc...
Occurrenc...
Occurrenc...
ORGANOCHL...
Organochl...
Organochl...
Organohal...
Organohal...
Organohal...
PCBs and...
PERSISTAN...
Persisten...
Persisten...

Reset	Author Affiliations (Name Only)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	# Records	244	225	222	207	197	192	168	168	151	143	142	141	130	128	121	120	103	103
	Publication Year																		
	# Records	2008	2009	2010	2006	2005	2007	2003	2004	1999	2011	1996	2000	2002	2001	1998	1997	1992	1994
1	89 Chinese Acad Sci	16	12	9	13	16	11	2	3	1	4			1	1				
2	56 EIHIME UNIV		2	2	6	1	6	3	5	2	2	1	2	1	2	2	4	4	5
3	51 Environm Canada	1	3	4	5	2	4	1	4	6	3	1	5	1	2	6	1		
4	42 US EPA	3	2	2	4	2	1	1	1	1	3	2	3	1	1	1		3	2
5	38 US GEOL SURVEY	2	4	2	3	1	1	1	4	3		1	3	2	3	3	3		
6	29 USDA ARS	1	2		2	2	2	1	1	3		1	2		3	1	1	2	2
7	28 CSIC	4		2	2	2	3		4	1		2	1	1					
8	28 Univ Ioannina	1		2	4	4	1	4	2	1			3	2		2	1		
9	27 UNIV CALIF RIVERSIDE	1	1	1	1	4	1	5	2		2	2	2	1	1				
10	22 UNIV CALIF DAVIS	1	3		1		1		1				1	3	3				2
11	20 Zhejiang Univ	3	4	5	2	3	1	1	1										
12	20 Peking Univ	3	3	1	2	3	1		4		3								
13	18 Ind Toxicol Res Ctr		1		3	3	5	1	1				1		2	1			
14	17 MICHIGAN STATE UNIV								1	1		3	2		1	2	2	2	1
15	17 Univ Lancaster		1	1		4	1	1		2		2		2					1
16	16 UNIV SAO PAULO		1	1	3			2			1	1	3		1	1		2	
17	15 China Agr Univ	3	2	6							4								

Matrix: Author Affiliations (Name Only) x Subject Category

TDA-农药...

Funding Organization (Cleaned)

- 5 Japan Society for the Promotion of Science (JSP)
- 5 Ministry of Education, Culture, Sports, Science a
- 2 Waste Management Research
- 1 Global Environment Research Fund
- 1 Global Environmental Research Fund

Publication Year

Subject Category

- 56 Environmental Sciences & Ecology
- 15 Toxicology
- 11 Marine & Freshwater Biology
- 5 Engineering
- 2 Chemistry
- 2 Water Resources

Keywords (author's)

- 13 Organochlorines
- 9 PCBS
- 6 Human breast milk
- 5 DDTS
- 5 ORGANOCHLORINE PESTICIDES

同现矩阵---各个研究机构的研究学科领域分布

File Edit View Sheets Fields Groups Tools Scripts Window Help

Matrix: Author Affiliations (Name)

28 Items, 0 S...

Assessment o...
Assessment o...
Behaviour of...
Bivalves res...
Contribution...
DEGRADATION...
Disappearanc...
Effect of ve...
Enhanced des...
EXTRACTION, ...
Fate of sele...
Hexazinone a...
INFLUENCE OF...
Lead, PCBs a...
Levels of po...
MONITORING O...
Occurrence o...
ORGANOCHLORI...
PCBS AND CHL...
Persistence...
Persistent o...
Priority pes...
Relationship...
Results and...
Surfactant-e...
Time-depende...
TOXICITY AND...
Trace organi...

Reset	Author Affiliations (Name Only)																			
	# Records	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	3407	963	475	321	194	192	187	132	92	54	20	9	8	8	7	5	3	3	2	
Subject Category	Show Values >= 1	Environmental Sciences & Ecology	Toxicology	Public, Environmental & Occupational Health	Engineering	Water Resources	Agriculture	Chemistry	Marine & Freshwater Biology	Entomology	Meteorology & Atmospheric Sciences	Geology	Pharmacology & Pharmacy	Biotechnology & Applied Microbiology	Biochemistry & Molecular Biology	Physical Geography	Biodiversity & Conservation	Plant Sciences	Life Sciences & Biomedicine - Other Tr	Mathematics
1	89	Chinese Acad Sci	89	25	8	14	7	1	2	2					1					
2	56	EHIME UNIV	56	15	1	5	2		2	11										
3	51	Environm Canada	51	18	6	9	1			3										
4	42	US EPA	42	11	15	6	1	5	2	5	2									
5	38	US GEOL SURVEY	38	18		7		2	1	2										
6	29	USDA ARS	29	5		3	1			1										
7	28	CSIC	28	2		7			1	2										
8	28	Univ Ioannina	28	3		7	2		7	1										
9	27	UNIV CALIF RIVERSIDE	27	13	7	2	1			2										
10	22	UNIV CALIF DAVIS	22	8	3	2	1				1									
11	20	Zhejiang Univ	20	3	4	1								1						
12	20	Peking Univ	20	2	1	9			2											
13	18	Ind Toxicol Res Ctr	18	12	2		2			2										
14	17	MICHIGAN STATE UNIV	17	10	2	1														
15	17	Univ Lancaster	17		1	5														
16	16	UNIV SAO PAULO	16	5	3		2	1		2	1	1				1				
17	15	China Agr Univ	15	10		1			2											

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

List-Countries | List: Author Affiliations (Name Only) | Matrix: Author Affil

TDA-农药...

Funding Organization (Cleaned)

- 1 ↑↑ Agencia Espanola de Cooperacion Internacional
- 1 ↑↑↑ Energy, Environmental and Sustainable Develop
- 1 ↑↑↑ Junta de Andalucia
- 1 ↑↑↑ SCARCE
- 1 ↑↑ Spanish Ministrv of Education

Publication Year

Subject Category

- 28 Environmental Sciences & Ecology
- 7 ↑↑ Engineering
- 2 Marine & Freshwater Biology
- 2 ↓↓↓ Toxicology
- 1 Chemistry
- 0 ↓↓ Public, Environmental & Occupational Health

Keywords (author's)

- 3 ↑↑↑ LEACHING
- 3 ↑ PCBs
- 2 ↑↑ ADSORPTION
- 2 ↑↑↑ Artificial recharge
- 2 ↑ DDTs
- 2 ↑↑↑ ORGANOCHEMICALS

自相关系数矩阵 (Auto-Correlation Matrix)

- 自相关矩阵可以显示某一数据列表中的相互关系。例如，一个发明人的自相关矩阵可以显示某一个团体中成员的高度相关关系。
- Correlation function is enabled when a correlation matrix is chosen. Choose from **Pearson's r (the default), Cosine, or Max Proportional.**
- Note: For Auto-Correlation Matrix, you should only use fields that have multiple values in most of the records. For example, Inventors, Assignees, Authors or Descriptors are good choices. Date of Publication is not a good choice, since there is only one date of publication for each record.

二维矩阵分析-自相关

Thomson Data Analyzer - [TDA-农药残留]

File Edit View Sheets Fields Groups Tools Scripts Window Help

List::Countries

540 Items, 24 Selected

Dermal insecticide residues from bird...
Dermal transfer of chlorpyrifos residu...
Design strategy for assessing multi-p...
Determinants of serum polychlorinated...
Determination of a standardized sampl...
Determination of acaricide residues i...
Determination of bioavailable contami...
Determination of organochlorine and o...
Determination of pesticide residues i...
Determination of uptake kinetics (Sam...
Determination of urinary metabolites ...
Diazinon dissipation from vegetation, ...
Dietary exposure to chlorpyrifos and l...
Dietary patterns among the Metro Atl...
Differences in p,p'-DDE bioaccumulat...
Differential toxicity and environment...
Dissipation of four forest-use herbic...
Distribution and change of DDT and HC...
Distribution and persistence of pyret...
Distribution and toxicity of sediment...
Distribution and variance/covariance ...
Distribution of 2,4-D in air and on s...
Distribution of 2,4-dichlorophenoxyac...
Distribution of atrazine into three c...
Distribution of DDT and other persist...
Distribution of DDT in sediments off...
Distribution of pesticide residues wil...
Distribution of pesticides and polycy...
Distribution of polychlorinated biphe...
Distribution of soil arsenic species, ...
Ecological risk assessment of atrazin...
Effect of corn root exudates on the d...
Effect of grasses on herbicide fate i...
Effect of piperonyl butoxide on perme...
Effect of planting covers on herbicid...
Effect of prairie grass on the dissip...

Create Matrix

Rows and Columns: ~Raw Record, Abstract, Abstract (NLP) (Phrases), Abstract (NLP) (Words), Author Affiliations (1st), Author Affiliations (City and Country), Author Affiliations (Full), Author Affiliations (Full) (Cleaned), Author Affiliations (Name and City a), Author Affiliations (Name Only), Authors

N/A: ~Raw Record, Abstract, Abstract (NLP) (Phrases), Abstract (NLP) (Words), Author Affiliations (1st), Author Affiliations (City and Country), Author Affiliations (Full), Author Affiliations (Full) (Cleaned), Author Affiliations (Name and City a), Author Affiliations (Name Only), Authors

Matrix: Auto-correlation (based on Record counts using Pearson's R)
1254 Rows: Author Affiliations (Name Only) -- All Items
1254 Cols: Author Affiliations (Name Only) -- All Items

Matrix: Cooccurrence Auto-correlation Cross-correlation TFIDF $\sqrt{\text{TF}} * \text{IDF}$

Based On: # of Records # of Instances

Correlation function: Pearson's r Cosine Max Proportional

OK Cancel

Funding Organization (Cleaned)

10	National Natural Science Foundation of China
	Research Program of China
	Excellence for Environmental and Hazardous Waste Management
	Environmental Protection Agency, through its Office of Research a

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011

ences & Ecology
ental & Occupational Health
ater Biology
tmospheric Sciences
E PESTICIDES

CHLORPYRIFOS
PESTICIDE
children

TDA-农药...

NUM

利用右键可以制作热效图

Thomson Data Analyzer - [TDA-农药残留]

File Edit View Sheets Fields Groups Tools Scripts Window Help

Reset

Author Affiliations (Name Only)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
# Records		89	56	51	42	38	29	28	28	27	22	20	20	18	17	17	16	
Author Affiliations (Name Only)	Show Values >= 0.00																	
	Auto-Correlation																	
	# of Records																	
	Pearson's r																	
		Chinese Acad Sci	1.000	-0.021	-0.020	-0.018	-0.017	-0.015	-0.014	-0.014	-0.014	-0.013	-0.012	-0.012	-0.011	-0.011	-0.011	-0.011
		EHIME UNIV	-0.021	1.000	-0.015	-0.014	-0.013	-0.011	-0.011	-0.011	-0.011	-0.010	-0.009	-0.009	-0.009	-0.009	-0.009	-0.008
		Environm Canada	-0.020	-0.015	1.000	-0.013	-0.013	-0.011	-0.011	-0.011	-0.011	-0.009	-0.009	-0.009	-0.008	-0.008	-0.008	-0.008
		US EPA	-0.018	-0.014	-0.013	1.000	-0.011	-0.010	-0.010	-0.010	-0.009	-0.009	-0.008	-0.008	-0.008	-0.007	-0.007	-0.007
		US GEOL SURVEY	-0.017	-0.013	-0.013	-0.011	1.000	-0.009	-0.009	-0.009	-0.009	-0.008	-0.008	-0.008	-0.007	-0.007	-0.007	-0.007
		USDA ARS	-0.015	-0.011	-0.011	-0.010	-0.009	1.000	-0.008	-0.008	-0.008	-0.007	-0.007	-0.007	-0.006	-0.006	-0.006	-0.006
		CSIC	-0.014	-0.011	-0.011	-0.010	-0.009	-0.008	1.000	-0.008	-0.008	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Univ Ioannina	-0.014	-0.011	-0.011	-0.010	-0.009	-0.008	-0.008	1.000	-0.008	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		UNIV CALIF RIVERSIDE	-0.014	-0.011	-0.011	-0.009	-0.009	-0.008	-0.008	-0.008	1.000	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		UNIV CALIF DAVIS	-0.013	-0.010	-0.009	-0.009	-0.008	-0.007	-0.007	-0.007	-0.007	1.000	-0.006	-0.006	-0.005	-0.005	-0.005	-0.005
		Zhejiang Univ	-0.012	-0.009	-0.009	-0.008	-0.008	-0.007	-0.006	-0.006	-0.006	-0.006	1.000	-0.005	-0.005	-0.005	-0.005	-0.005
		Peking Univ	-0.012	-0.009	-0.009	-0.008	-0.008	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	1.000	-0.005	-0.005	-0.005	-0.005
		Ind Toxicol Res Ctr	-0.011	-0.009	-0.008	-0.008	-0.007	-0.006	-0.006	-0.006	-0.006	-0.005	-0.005	-0.005	1.000	-0.005	-0.005	-0.005
	MICHIGAN STATE UNIV	-0.011	-0.009	-0.008	-0.007	-0.007	-0.006	-0.006	-0.006	-0.006	-0.005	-0.005	-0.005	-0.005	1.000	-0.005	-0.004	
	Univ Lancaster	-0.011	-0.009	-0.008	-0.007	-0.007	-0.006	-0.006	-0.006	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	1.000	-0.004	
	UNIV SAO PAULO	-0.011	-0.008	-0.008	-0.007	-0.007	-0.006	-0.006	-0.006	-0.006	-0.005	-0.005	-0.005	-0.005	-0.004	-0.004	1.000	
	China Agr Univ	-0.010	-0.008	-0.008	-0.007	-0.007	-0.006	-0.006	-0.006	-0.006	-0.005	-0.005	-0.005	-0.005	-0.004	-0.004	-0.004	

Matrix::Author Affiliations (Name Only)(items) x Author Affiliations (Name Only)

TDA-农药...

互相关系数矩阵 (Cross-Correlation Matrix)

- 互相关系数矩阵显示某一数据表中各项目基于另外一张数据表的相关。
- 例如，作者的基于叙词的互相关系数矩阵可以显示有哪些团体在写作相同的作品。再如：一个基于叙词的机构互相关系数矩阵可以显示那些在写作相同作品的机构。
- 创建互相关系数矩阵需选择两个字段，第一个字段是显示为矩阵中的行与列— 通常为一个字段或者自己定义的一小组数据，选择的第二个字段是分析行与列中项目相关关系的基础。



Reset	Author Affiliations (Name Only)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
	# Records	89	56	51	42	38	29	28	28	27	22	20	20	18	17	17	16	15	15	14	13	13	
	Show Values >= 0.00																						
	Cross-Correlation																						
	Crossed With: Subject Category																						
	1 Groups (Items)																						
	# of Records																						
	Pearson's r																						
1	89 Chinese Acad Sci	1.000	0.979	0.995	0.956	0																	
2	56 EHIME UNIV	0.979	1.000	0.978	0.924	0																	
3	51 Environm Canada	0.995	0.978	1.000	0.959	0																	
4	42 US EPA	0.956	0.924	0.959	1.000	0																	
5	38 US GEOL SURVEY	0.976	0.962	0.984	0.920	1																	
6	29 USDA ARS	0.988	0.982	0.976	0.929	0																	
7	28 CSIC	0.967	0.961	0.954	0.910	0																	
8	28 Univ Ioannina	0.953	0.941	0.932	0.884	0																	
9	27 UNIV CALIF RIVERSIDE	0.967	0.950	0.980	0.961	0																	
10	22 UNIV CALIF DAVIS	0.991	0.969	0.992	0.957	0																	
11	20 Zhejiang Univ	0.976	0.956	0.968	0.969	0																	
12	20 Peking Univ	0.940	0.923	0.934	0.892	0																	
13	18 Ind Toxicol Res Ctr	0.933	0.913	0.947	0.889	0																	
14	17 MICHIGAN STATE UNIV	0.956	0.938	0.971	0.916	0																	
15	17 Univ Lancaster	0.950	0.926	0.933	0.909	0																	
16	16 UNIV SAO PAULO	0.973	0.969	0.970	0.958	0																	
17	15 China Agr Univ	0.932	0.922	0.946	0.865	0.973	0.901	0.843	0.856	0.953	0.952	0.874	0.805	0.979	0.986	0.795	0.913	1.000	0.782	0.904	0.957	0.973	0

Create Matrix

Rows and Columns: Author Affiliations (Name Only)

Cross with: Reprint Author, Source, Source (Start Page), Source (Volume), Source Title (Abbrev), Subject Category, Times Cited, Title, Title (NLP) (Phrases), Title (NLP) (Words)

Select Groups: top30 affiliation, government fund, univ fund

Matrix: Cross-correlation (based on Record counts) using Pearson's R

30 Rows: Author Affiliations (Name Only) -- 1 Group
Items in groups will appear as row labels

30 Cols: Author Affiliations (Name Only) -- 1 Group
Items in groups will appear as row labels

Matrix: Cooccurrence Auto-correlation Cross-correlation TFIDF

Based On: # of Records # of Instances

Correlation function: Pearson's r Cosine Max Proportional

OK Cancel

Funding Organizatic

1 California Dep

1 California Stat

1 Hudson River

US Fish and

USGS Federal

Publication Year

1977 1982 1987 1992 1997 2002 2007

Subject Category

Environment

Toxicology

Engineering

Agriculture

Entomology

Marine & Fr

Words (author's)

Mercury

PESTICIDES

selenium

BIRDS

CHLORPYRIF

NUM

Reset		Author Affiliations (Name Only)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
		# Records	89	56	51	42	38	29	28	28	27	22	20	20	18	17	17	16	
		Show Values >= 0.00 Cross-Correlation Crossed With: Subject Category 1 Groups (Items) # of Records Pearson's r	Chinese Acad Sci	EHIME UNIV	Environm Canada	US EPA	US GEOL SURVEY	USDA ARS	CSIC	Univ Ioannina	UNIV CALIF RIVERSIDE	UNIV CALIF DAVIS	Zhejiang Univ	Peking Univ	Ind Toxicol Res Ctr	MICHIGAN STATE UNIV	Univ Lancaster	UNIV SAO PAULO	
1	89	Chinese Acad Sci	1.000	0.979	0.995	0.956	0.976	0.988	0.967	0.953	0.967	0.991	0.976	0.940	0.933	0.956	0.950	0.973	
2	56	EHIME UNIV	0.979	1.000	0.978	0.924	0.962	0.982	0.961	0.941	0.950	0.969	0.956	0.923	0.913	0.938	0.926	0.969	
3	51	Environm Canada	0.995	0.978	1.000	0.959	0.984	0.976	0.954	0.932	0.980	0.992	0.968	0.934	0.947	0.971	0.933	0.970	
4	42	US EPA	0.956	0.924	0.959	1.000	0.920	0.929	0.910	0.884	0.961	0.957	0.969	0.892	0.889	0.918	0.909	0.958	
5	38	US GEOL SURVEY	0.976	0.962	0.984	0.920	1.000	0.957	0.924	0.906	0.963	0.978	0.926	0.904	0.958	0.981	0.893	0.941	
6	29	USDA ARS	0.988	0.982	0.976	0.929	0.957	1.000	0.982	0.958	0.933	0.973	0.975	0.941	0.894	0.924	0.964	0.958	
7	28	CSIC	0.967	0.961	0.954	0.910	0.924	0.982	1.000	0.976	0.885	0.934	0.953	0.982	0.820	0.866	0.992	0.913	
8	28	Univ Ioannina	0.953	0.941	0.932	0.884	0.906	0.958	0.976	1.000	0.868	0.917	0.927	0.949	0.816	0.853	0.961	0.893	
9	27	UNIV CALIF RIVERSIDE	0.967	0.950	0.980	0.961	0.963	0.933	0.885	0.868	1.000	0.985	0.951	0.859	0.969	0.985	0.861	0.973	
10	22	UNIV CALIF DAVIS	0.991	0.969	0.992	0.957	0.978	0.973	0.934	0.917	0.985	1.000	0.973	0.900	0.958	0.979	0.914	0.978	
11	20	Zhejiang Univ	0.976	0.956	0.968	0.969	0.926	0.975	0.953	0.927	0.951	0.973	1.000	0.911	0.886	0.919	0.949	0.967	
12	20	Peking Univ	0.940	0.923	0.934	0.892	0.904	0.941	0.982	0.949	0.859	0.900	0.911	1.000	0.780	0.833	0.982	0.867	
13	18	Ind Toxicol Res Ctr	0.933	0.913	0.947	0.889	0.958	0.894	0.820	0.816	0.969	0.958	0.886	0.780	1.000	0.988	0.780	0.941	
14	17	MICHIGAN STATE UNIV	0.956	0.938	0.971	0.918	0.981	0.924	0.866	0.853	0.985	0.979	0.919	0.833	0.988	1.000	0.831	0.948	
15	17	Univ Lancaster	0.950	0.926	0.933	0.909	0.893	0.964	0.992	0.961	0.861	0.914	0.949	0.982	0.780	0.831	1.000	0.888	
16	16	UNIV SAO PAULO	0.973	0.969	0.970	0.958	0.941	0.958	0.913	0.893	0.973	0.978	0.967	0.867	0.941	0.948	0.888	1.000	
17	15	China Agr Univ	0.932	0.922	0.946	0.865	0.973	0.901	0.843	0.856	0.953	0.952	0.874	0.805	0.979	0.986	0.795	0.913	

Map类型:

自相关系数地图 (Auto-Correlation Map)

在相同的字段中，寻找关系密切的项目。如寻找合作密切的公司、发明人、国家。

互相关系数地图 (Cross-Correlation Map)

在不同字段中，寻找关系密切的项目。如寻找哪些公司在相同的研发领域关系密切。

Auto-Correlation Maps

- 自相关关系图显示一张数据表中各个条目的相互关系。例如：一个作者自相关关系图可以显示在一起写作的团队成员。一个叙词的自相关关系图将可以因在同一记录中被使用显示它们之间的高度相关性。
- **注意：**对于自相关地图而言，您应该选择那些在绝大多数记录中都含有多个数据的字段。例如，作者或者叙词等都是好的选择。出版日期则不应选择，因为每条记录只有一个出版日期。



Thomson Data Analyzer - [Inst Software_2011Mar30]

File Edit View **Fields** Groups Tools Scripts Window Help

1 2 3 4 5 6 7 8 9 New Factor Matrix

Keywords (author's) (Cleaned)	1	2	3	4	5
Cumulative Variance	4.11				
Variance	4.11				
Factor	1				
1 complexity	0.119				
2 Undecidability	0.088				
3 Computability	0.080				
4 Sturmian words	0.061				
5 completeness	0.060				
6 Quantum computing	0.057				
7 Palindromes	0.050				
8 Lambda calculus	0.046				
9 Decidability	0.040				
10 Combinatorics on words	0.030				
11 cellular automata	0.028				
12 parameterized complexity	0.028				
13 model checking	0.024				
14 planar graph	0.022				
15 online algorithms	0.018				
16 randomized algorithms	0.016				
17 computational complexity	0.016				
18 lower bounds	0.013				
19 verification	0.012				
20 NP-completeness	0.012				
21 Kolmogorov complexity	0.012				
22 Finite automata	0.012				
23 optimization	0.011				
24 approximation	0.011				
25 Game theory	0.011				
26 scheduling	0.010	-0.083	0.458	-0.017	-0.017
27 Competitive ratio	0.009	-0.059	0.572	0.034	-0.019

Mapping Wizard

Cross-correlation Map
 Example: Map authors using keywords or descriptors

Auto-correlation Map
 Example: Map authors on keywords

Factors Matrix
 Example: Map keywords

Cancel

Mapping Wizard, Auto-correlation Map

Choose what to map (ex: a group of keywords or descriptors):

- + Funding Organization (Cleaned)
- + Funding Organization (Cleaned) (1)
- + Funding Organization (w/ awd. num.)
- + ISI Unique Article Identifier
- + ISSN
- + Issue
- + Keywords (author's)
- + Keywords (author's) (Cleaned)
 - All Items
 - Select Groups
 - Group: top60 Keywords
- + Keywords (author's) + Keywords Plus + Title (NLP) (Phrases)
- + Keywords Plus
- + Number of Author Affiliations (Full)
- + Number of Author Affiliations (Name Only)

Auto-correlation Map
 Nodes: Keywords (author's) (Cleaned)
 60 items in Group: top60 Keywords
 Lines: Similarity of nodes

Cancel < Back Next > Finish





Inst ...

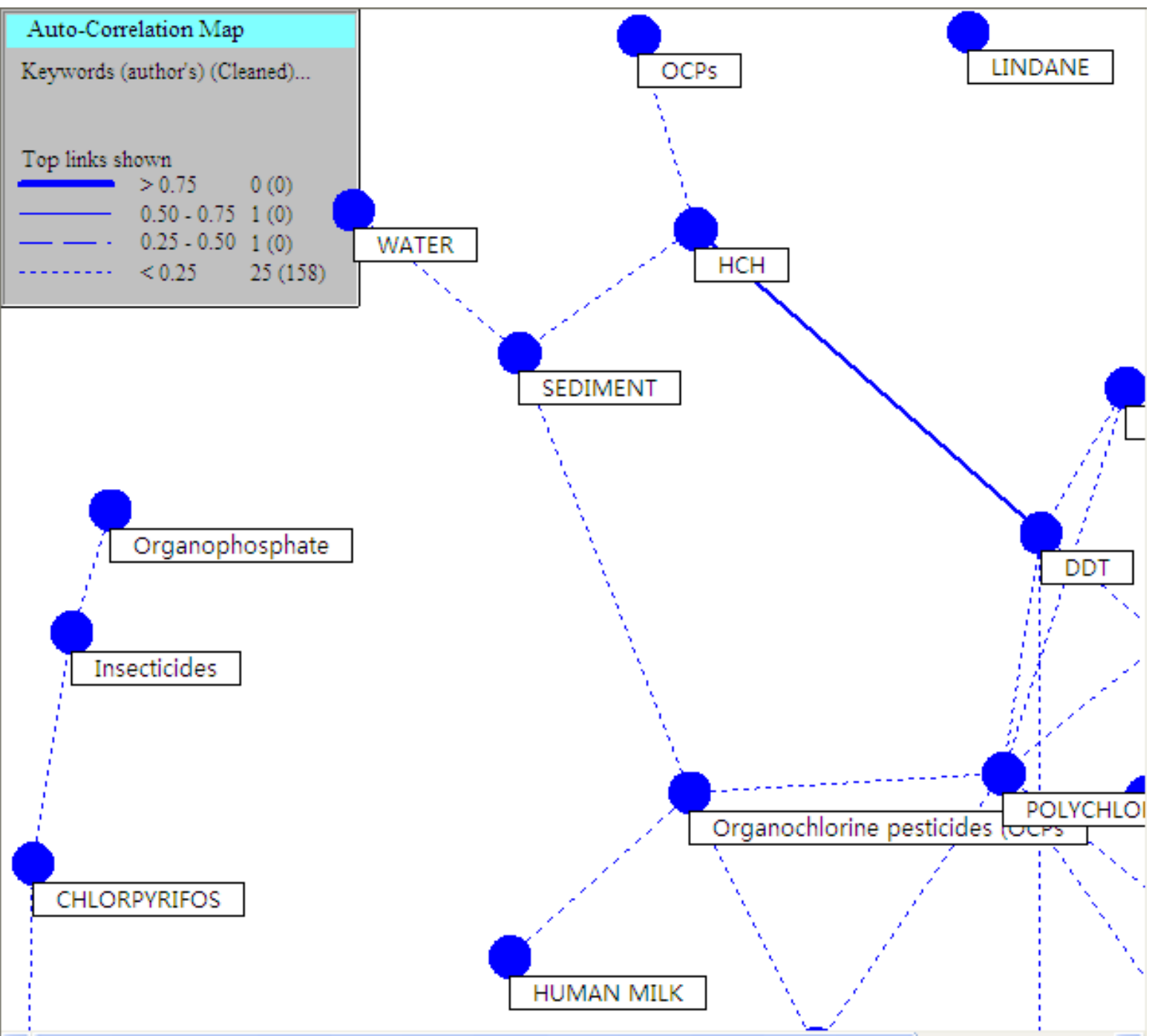
For Help, press F1

Auto-Correlation Map

Keywords (author's) (Cleaned)...

Top links shown

	> 0.75	0 (0)
	0.50 - 0.75	1 (0)
	0.25 - 0.50	1 (0)
	< 0.25	25 (158)



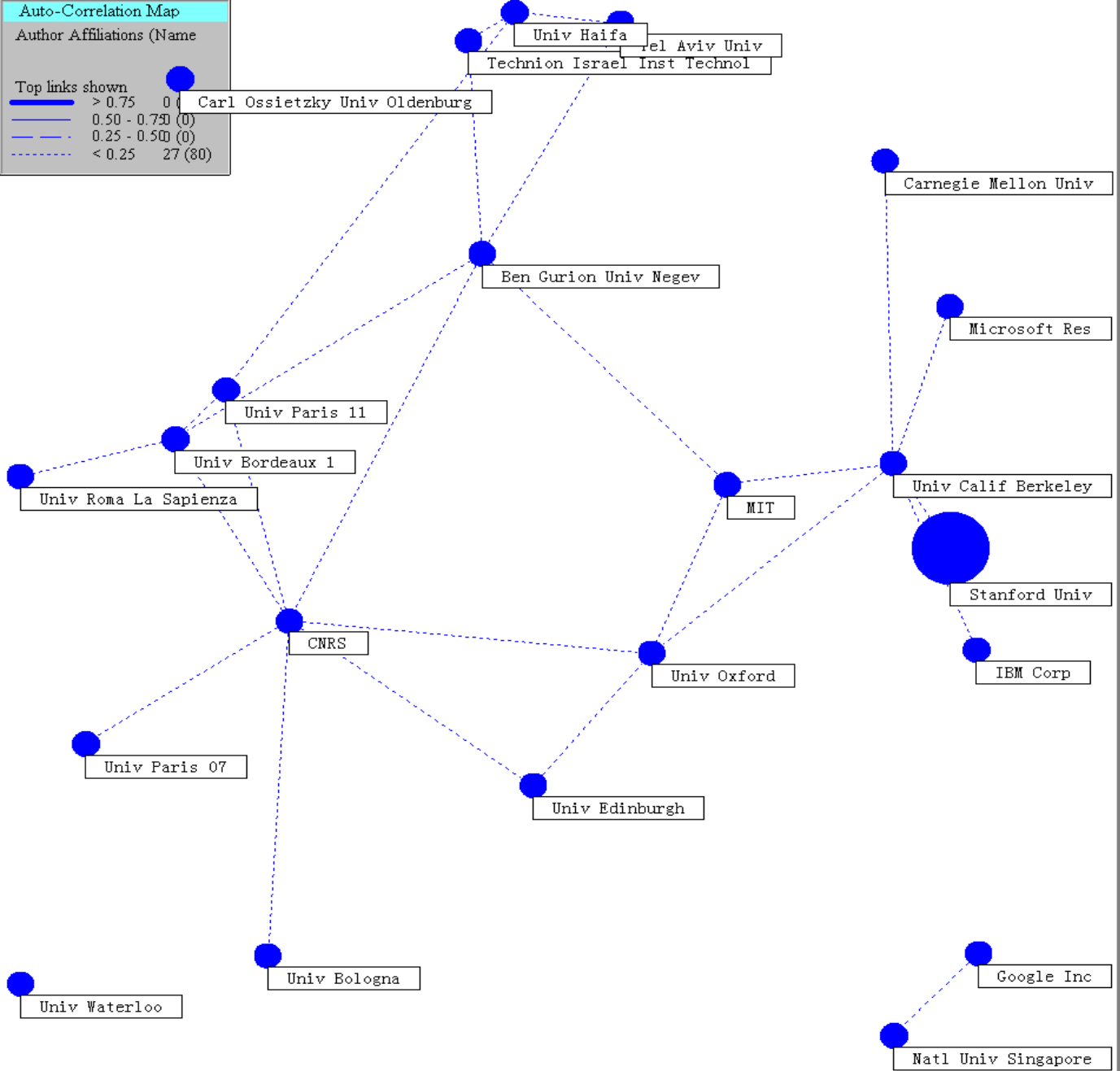
THO

Auto-Correlation Map

Author Affiliations (Name)

Top links shown

- > 0.75 0
- 0.50 - 0.75 0
- 0.25 - 0.50 0
- < 0.25 27 (80)



Cross-Correlation Maps

- 互相关系数矩阵显示某一数据表中各项目基于另外一张数据表的相关. 例如, 作者的基于叙词的互相关系数矩阵可以显示有哪些团体在写作相同的作品. 再如: 一个基于叙词的机构互相关系数矩阵可以显示那些在写作相同作品的机构.
- 创建互相关系数矩阵需选择两个字段, 第一个字段是显示为矩阵中的行与列- 通常为一个字段或者自己定义的一小组数据, 选择的第二个字段是分析行与列中项目相关关系的基础.

Cross-Correlation Maps

-
- **注意:** 在互相关地图中的约束条件比主成分地图和自相关地图更少限制. 因此互相关地图会呈现一些“一次性”的相关关系. 例如: 如果“A”和作者“B”并非合作者, 但都与作者“C”合作, 互相关地图则(Field1 = a group of Authors that includes “A” and “B” and Field2 = all Authors) 会揭示作者“A”和“B”有关联, 尽管作者“C”不会在地图上显示出来. 因此, 在互相关地图中您应该留心这点并做深入的调查. 请注意“低相似”相关关系会是“可能的”相关关系-在某些条件下可能显示的是间接相关.

Thomson Data Analyzer - [Inst Software_2011Mar30]

File Edit View Sheets Fields Groups Tools Scripts Window Help

Map::Author Affilia

Mapping Wizard

Cross-correlation Map
Example: Map authors using keywords or descriptors

Auto-correlation Map
Example: Map keywords, descriptors, or authors groups

Factors Map
Example: Map clusters in a group of keywords or descriptors

Cancel < Back Next > Finish

Univ Waterloo Univ Bologna Univ Western Ontario Univ Turku Univ Oldenburg Chinese Acad Sci

Map::Keywords (author's) (Cleaned) Map::Author Affiliations (Name Only) (1)

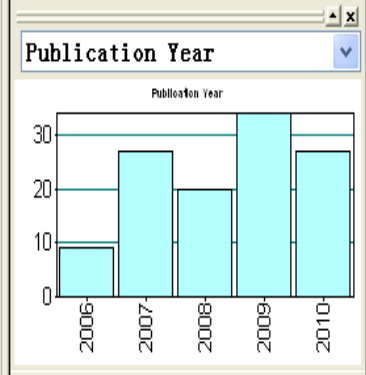
Inst ...

For Help, press F1

NUM

Keywords (author's) (Clear)

117	!!!	theory
75	!!!	algorithms
18	!!!	languages
11	!!!	verification
10	!!!	economics
9	!!!	security
7	!!!	design
7	!!!	lower bounds



Authors (1st)

3	!!!	Achlioptas, D
3	!!!	Gottlob, G
2	!!!	Attiya, H
2	!!!	Chen, X
2	!!!	Chuzhoy, J
2	!!!	Grohe, M
2	!!!	Hallgren, S
1	!!	Abadi, M

Mapping Wizard, Cross-correlation Map Step 1

Choose what to map (ex. a group of keywords or descriptors)

- Cited References
- Cited References (DOI)
- Cited Year
- Combined Keywords + Phrases
- Conference Date
- Conference Location
- Conference Title
- Countries
- Countries (1st)
- Database
- Document Type
- DOI
- Email

Cross-Correlation Map

Nodes: Countries

All 156 items

Lines: Similarity of nodes based on <To Be Determined>

Cancel

< Back

Next >

Mapping Wizard, Cross-correlation Map Step 2

Cross (Countries) with:

- Genuine Article Number
- ISI Doc Delivery Num
- ISSN
- Issue
- Journal
- Keywords (author's)
- Keywords (author's) (Cleaned)
 - All Items
 - Select Groups
 - Group: keyword
- Keywords Plus
- Language
- Number of Author Affiliations (Full)

Cross-Correlation Map

Nodes: Countries

All 156 items

Lines: Similarity of nodes based on Keywords (author's) (Cleaned)

30 items in Group: keyword

Cancel

< Back

Next >

Finish

Cross-Correlation Map

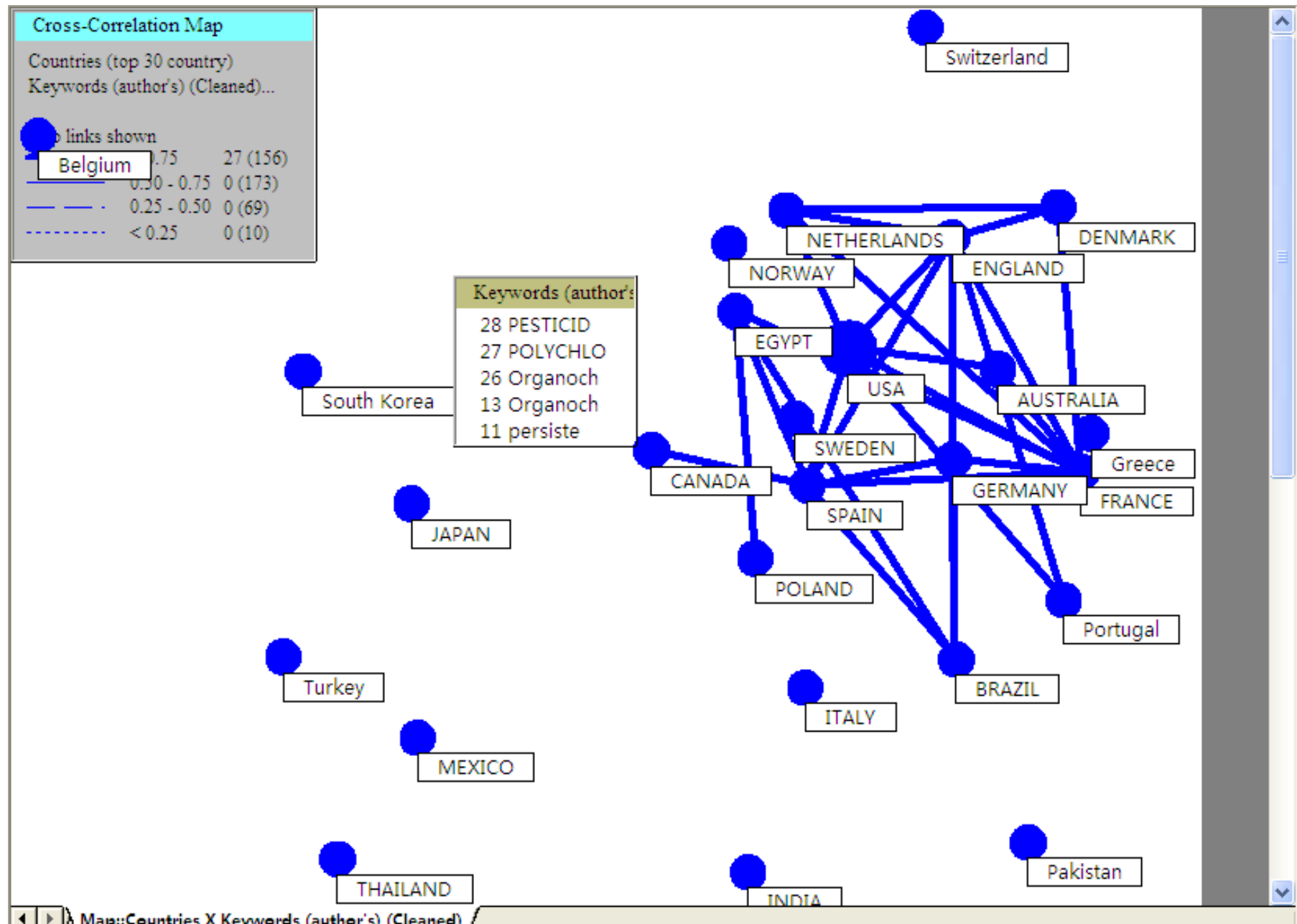
Countries (top 30 country)
Keywords (author's) (Cleaned)...

● links shown

●	0.75	27 (156)
—	0.50 - 0.75	0 (173)
- - -	0.25 - 0.50	0 (69)
.....	< 0.25	0 (10)

Keywords (author's)

28 PESTICID
27 POLYCHLO
26 Organoch
13 Organoch
11 persiste



提纲

- Thomson Data Analyzer概况
- 数据导入与数据管理
- 数据清理/数据结构化
- 数据分析
- 生成报告



Title

0 Items, 0 Sele...

Abstract USE	3050	91%		
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Report: Company Comparison (2个或5个公司间的相互比较报告, 比较项目可以选择)

	A	B	C	D	E	F	G	H	I
Thor	Home	Technology Terms Unique To One Company							
This	Number of	Home							
This		Chinese Acad Sci	Zhejiang Univ	Peking Univ	China Agr Univ				
This		FISH [1]	ADSORPTION [2]	METABOLITES [1]	GROUNDWATER [2]				
This		HERBICIDES [1]	CHLORINATED HYDROCARBONS [2]	GREAT-LAKES [1]	TANDEM MASS-SPECTROMETRY [2]				
		RIVER [9]	METABOLISM [1]	BIRDS [1]	CHROMATOGRAPHY-MASS SPECTROMETRY [1]				
		TRANSPORT [1]	BIODEGRADATION [2]	EGGS [2]	GAS [1]				
		CHLORPYRIFOS [1]	ORGANOPHOSPHORUS PESTICIDES [2]	RISK [1]	CORN [1]				
		WOMEN [1]	MOVEMENT [1]	FOOD [1]	SEPARATION [1]				
SHEI	1	MILK [1]	BINDING [1]	ONTARIO [1]	GAS-CHROMATOGRAPHIC DETERMINATION [1]				
Home		POLYBROMINATED DIPHENYL ETHERS [5]	URINE [1]	PARTICULATE MATTER [1]	TOMATO [2]				
Sum	2	CONGENERS [1]	MICROORGANISMS [1]	CONTAMINATED SOIL [2]	BIOLOGICAL SAMPLES [1]				
Com	3	HUMAN-MILK [1]	PARATHION [1]	DIELDRIN [1]	METABOLITE [1]				
Com	4	FIELD [2]	IMMUNOASSAY [2]	AGE [1]	IONIZATION [1]				
Com	5	TEMPORAL TRENDS [1]	HYDROLYSIS [2]	FRACTIONS [1]	FLUDIOXONIL [1]				
Com	6	WATERS [1]	DELTA [1]	GAMMA-HEXACHLOROCYCLOHEXANE [1]	PRECONCENTRATION [1]				
Com	7	COASTAL WATERS [1]	METHYL [1]	BIOMAGNIFICATION [1]	KRESOXIM-METHYL [1]				
Mobi	8	HCH [6]	RELEASE [1]	TRANSLOCATION [1]	MEPIQUAT [2]				
Colla	9	CANADA [1]	ELISA [2]	COLUMN [1]	ETHYLENETHIOUREA [1]				
Com	10	PCB [1]	CHLORSULFURON [2]	SUCCESS [1]	PHENOLS [1]				
Com	11	HYDROCARBONS [5]	SENSITIVITY [1]	LAKE BAIKAL [1]	GRAIN [2]				
Uniq	12	HEXACHLOROBENZENE [1]	SULFONYLUREA HERBICIDES [2]	ATMOSPHERIC CONCENTRATIONS [1]	INJECTION [1]				
Tech		CALIFORNIA [1]	AVAILABILITY [1]	INGESTION [1]	STROBILURIN FUNGICIDES [1]				
		ORGANIC POLLUTANTS [3]	MONOCLONAL-ANTIBODY [3]	PAHS [1]	ULTRASONIC SOLVENT-EXTRACTION [1]				
		ORGANIC-MATTER [1]	PHYTOTOXICITY [2]	HENRY'S LAW CONSTANTS [1]	IONIZATION-MASS-SPECTROMETRY [1]				
		MOTHERS [1]	COVALENT BINDING [1]	HEPTACHLOR [1]	PEAR [2]				
		SYSTEMS [3]	TRIASULFURON [2]	HEXACHLOROCYCLOHEXANES [1]	FLIGHT MASS-SPECTROMETRY [1]				
		TISSUES [2]	MASS-SPECTROMETRIC DETECTION [1]	FLUXES [1]	NANOGRAM LEVELS [1]				
		ENDOSULFAN [1]	ENZYME-ACTIVITIES [1]	STERNA-HIRUNDO [1]	MICELLAR EXTRACTION [1]				
		GEOGRAPHICAL-DISTRIBUTION [4]	METSULFURON-METHYL [3]	PREGNANT-WOMEN [1]	HERBICIDE FLUROXYPYR [1]				
		PEARL RIVER DELTA [12]	FAST GAS-CHROMATOGRAPHY [1]	BIOACCESSIBILITY [1]	QUECHERS SAMPLE PREPARATION [1]				
		ORGANOCHLORINE RESIDUES [2]	DESIGN [2]	HYDROCARBON GEOCHEMISTRY [2]	TRIFLOXYSTROBIN [1]				
		REPRODUCTIVE SUCCESS [1]	MECHANISM [1]	INCREASE [1]	RED [1]				
		SYSTEM [1]	C-14 [1]	DIOXIN [1]	NUCLEIC-ACIDS [1]				
		SURFACE SEDIMENTS [3]	MICROCOSMS [1]	NORTH CHINA [1]					

Sheets containing the data are included with this file, but hidden.

问题与解答





REUTERS/Mark Blinch

Thank You!

北京市海淀区科学院南路2号
融科资讯中心C座北楼610室

彭斌

汤森路透科技

技术支持邮箱:

ts.support.china@thomsonreuters.com

Tel: 010-57601269

Fax: 01082862088



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微博——微群

- WOK在线大讲堂:

<http://q.weibo.com/569008?topnav=1>

- 专利情报

<http://q.weibo.com/739428?topnav=1>



Web of Knowledge在线大讲堂有奖答题竞赛

<http://ip-science.thomsonreuters.com.cn/2012WOKonline/course.htm>

入口一

三月	开学，WOK教你开题选题	2	3月25日 主讲人：李林 博硕士如何利用SCI选题与开题 详细课程请点击	3月25日 主讲人：李林 利用Web of Science进行选题 (SSCI/AHCI) 开题，人文社科专场 详细课程请点击	
		3	3月27日 主讲人：张素芳 精准获取信息的基本功训练—如何编写检索式 详细课程请点击	3月29日 主讲人：张素芳 如何检索科技会议录：会议文献的价值及对科研的作用 详细课程请点击	3月29日-4月3日 有奖答题竞赛
		4	清明节假期	4月5日 主讲人：万跃华 如何利用SCI进行基金申请 详细课程请点击	
四月	基金申请	5	4月10日 主讲人：张素芳 利用Inspec®数据库获取工程研究信息 详细课程请点击	4月12日 主讲人：樊亚芳 建立自己的小论文写作平台：介绍EndNote® Web使用 详细课程请点击	
		6	4月17日 主讲人：樊亚芳 Endnote®基本功能介绍 详细课程请点击	4月19日 主讲人：樊亚芳 Endnote®高级功能介绍 详细课程请点击	
		7	4月24日 主讲人：李琛 著作管理与科研社交工具Research ID 详细课程请点击		4月26日-5月1日 有奖答题竞赛
		8	五一假期	5月8日 主讲人：马亚鹏 生命科学信息检索专场 详细课程请点击	5月10日 主讲人：张辉 制药行业的信息获取 详细课程请点击
五月	纵览生命科学信息，探寻生命的奥秘	9	5月15日 主讲人：马亚鹏 引文聚焦诺贝尔奖医学研究 详细课程请点击	5月17日 主讲人：李慧美 Zoological Record®探索动物的奥秘 详细课程请点击	5月17日-22日 有奖答题竞赛
		10	5月22日 主讲人：彭斌 专利基础知识与专利申请 详细课程请点击	5月24日 主讲人：彭斌 利用德温特专利Derwent Innovations Index SM 数据库寻找研发技术信息及化学检索 详细课程请点击	
		11	5月29日 主讲人：李慧美 利用Thomson Innovation纵览全球研发动态	5月31日 主讲人：彭斌 利用Thomson Data Analyzer挖掘技术情报	5月31日-6月1日 有奖答题竞赛

Web of Knowledge在线大讲堂有奖答题竞赛

<http://ip-science.thomsonreuters.com.cn/2012WOKonline/prize.htm>

入口二

在线大讲堂简介

有奖答题竞赛

详细课程安排

为了帮助您在学习了Web of KnowledgeSM在线大讲堂的相关专题课程后，能更好地掌握相关知识，大讲堂在每个专题的系列课程之后都设置了在线有奖答题竞赛活动。丰厚的奖品等着你来拿，快来参与吧！

主要讲师介绍

竞赛内容：按专题内容进行主题测试，每期题目8-10道

有奖答题竞赛

竞赛时间：专题课程结束当周的周四20:00开始至下周二19:00截止

大讲堂最佳组织奖

参赛对象：所有热爱Web of KnowledgeSM在线大讲堂的广大师生

各地巡讲安排

参赛方法：在规定时间内，点击下表中的“马上参与答题竞赛”参与答题竞赛

学生交流活动

[重要提示]如您参与竞赛，请在注册网站会员时，务必提供有效的手机号码，以便您获奖后我们为您寄送奖品。

每期答题竞赛的获奖信息，将在本站、以及“WOK在线大讲堂微博群”（q.weibo.com/569008）中公布。

竞赛主题	竞赛时间	
利用Web of Knowledge进行开题选题	3月29日20:00—4月3日12:00	马上参与答题竞赛 ▶
文献管理工具的利用	4月26日20:00—5月1日12:00	马上参与答题竞赛 ▶
生命科学信息资源的利用	5月17日20:00—5月22日12:00	马上参与答题竞赛 ▶
专利信息资源的利用	5月31日20:00—6月5日12:00	马上参与答题竞赛 ▶
论文写作与投稿	6月28日20:00—7月3日12:00	马上参与答题竞赛 ▶

Web of Knowledge在线大讲堂有奖答题 竞赛

竞赛奖项的设置：

参赛资格：

- 1) 全国各地高校的在校老师、学生、以及科研机构的科研人员均可参与竞赛
- 2) 参赛前需注册2012年春季大讲堂网站会员，并在注册时提供详尽的联系方式，包括：姓名、单位、手机、通信地址

评奖方法：

- 1) 取分数最高的前50名，分数相同者取答题时间最早的参赛者
- 2) 多次参与答题的以最后一次答题成绩及时间为准

奖项设置：

每期答题竞赛设置50个奖项。具体如下：

- 特等奖：1名
- 一等奖：3名
- 二等奖：12名
- 三等奖：30名

学期大奖：3名（iPad）

奖品发放方法：

每期有奖答题竞赛结束后一周内，我们将根据您注册大讲堂网站会员时提供的通信地址，通过快递的方式向获奖者邮寄奖品，请您届时保持手机处于开机状态。

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Web of Knowledge在线大讲堂有奖答题 竞赛

学期大奖：3名（iPad）

