# SciFinder Web

## 源于化学，超越化学的一站式检索平台

**SciFinder Web 培训**

**CAS北京代表处**
培训专员

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# 提纲

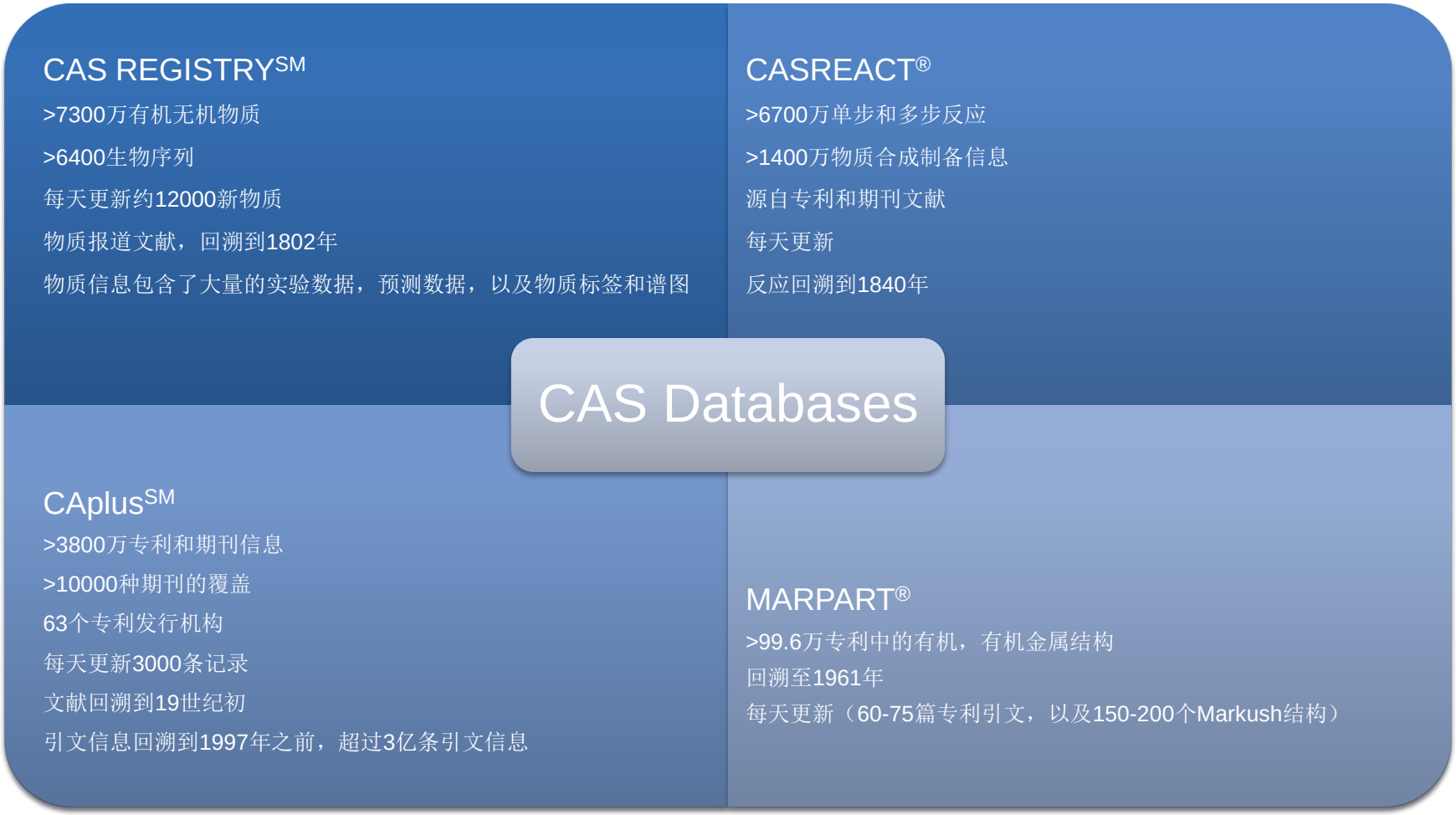
- 介绍
  - SciFinder Web内容
- **SciFinder Web中的检索**
  - SciFinder中的文献检索
  - SciFinder中的结构面板使用技巧
  - SciFinder中的物质结果及物质检索方法
  - SciFinder中的反应检索
- **SciFinder Web的注册和常见问题**

# 美国化学文摘社—Chemical Abstract Service

- ACS的分支机构，创立于1907年
- 致力于跟踪、索引并提炼全球化学相关的科技文献信息
- 最先创立了纸本《化学文摘》Chemical Abstracts TM
- 总部位于俄亥俄州的哥伦布市

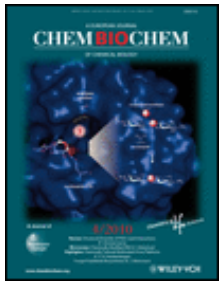
- 1300名员工，精通50多种语言。
- 关注索引上万种期刊和63家专利
- 客户覆盖全球1900所高校、500强公司以及所有主要的专利局。

# SciFinder Web中的几个主要数据库

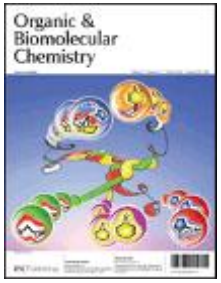


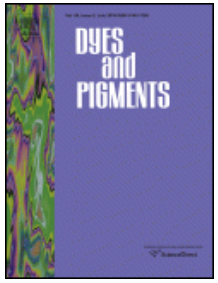

 

# CAplus℠ 涵盖了上万种期刊及63个专利发行机构专利

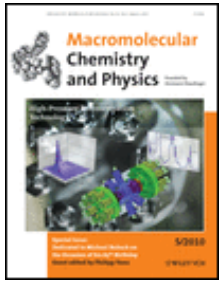


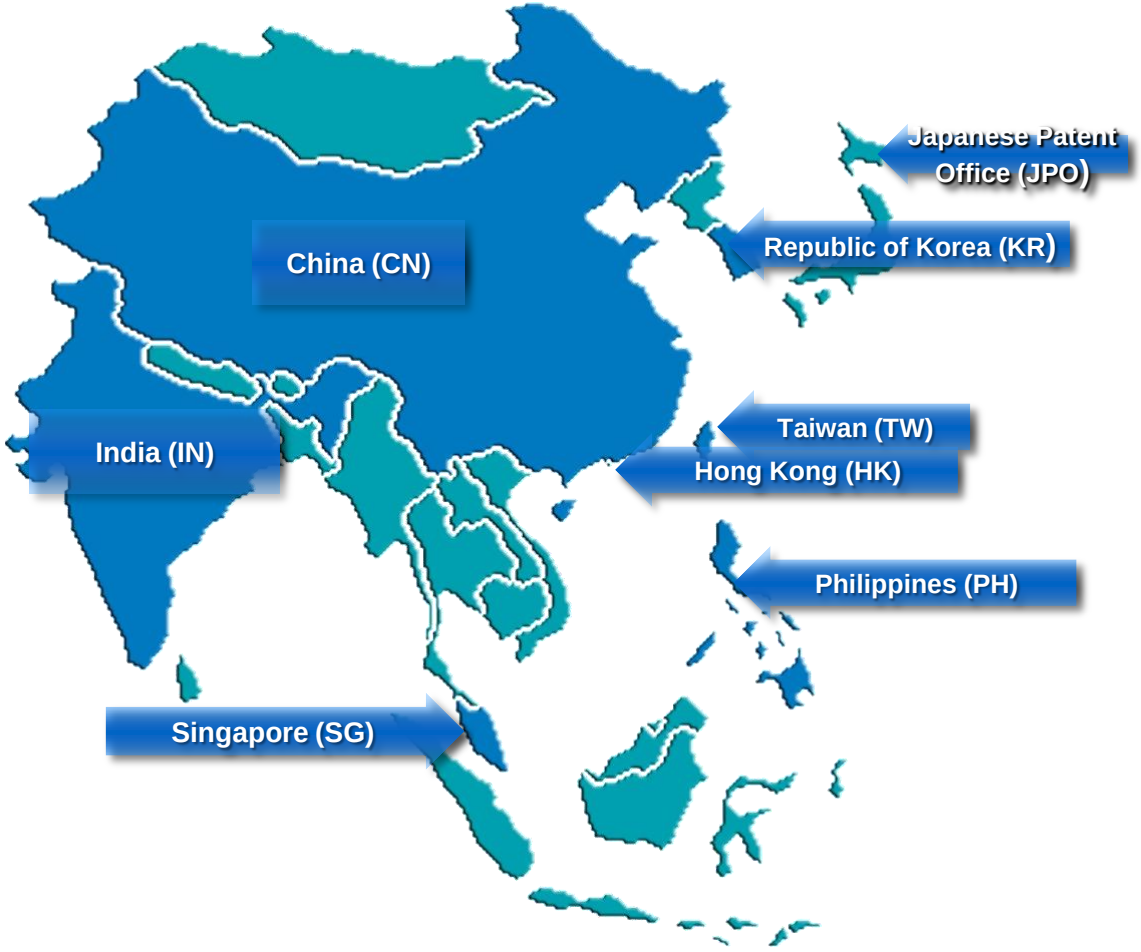






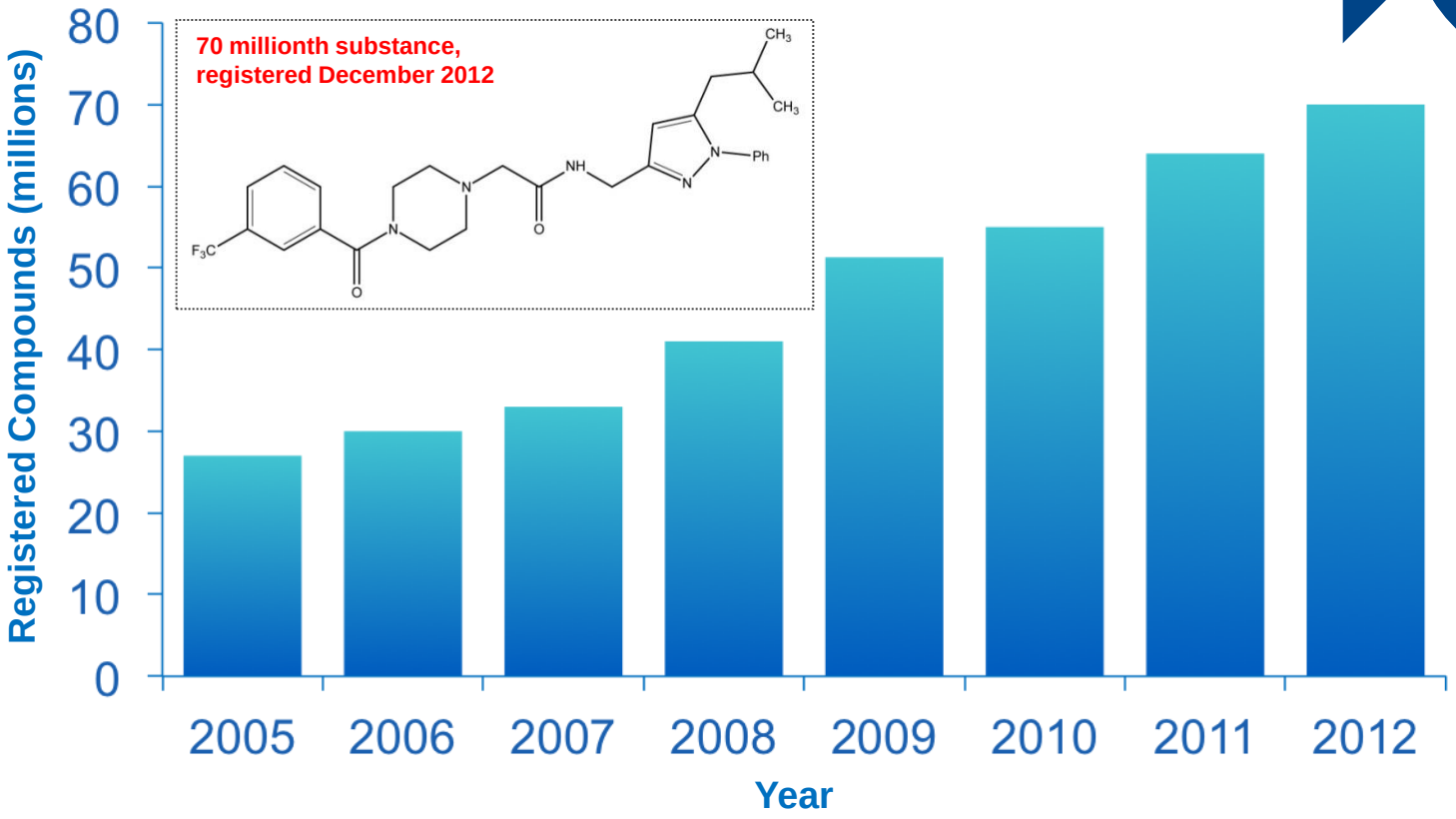


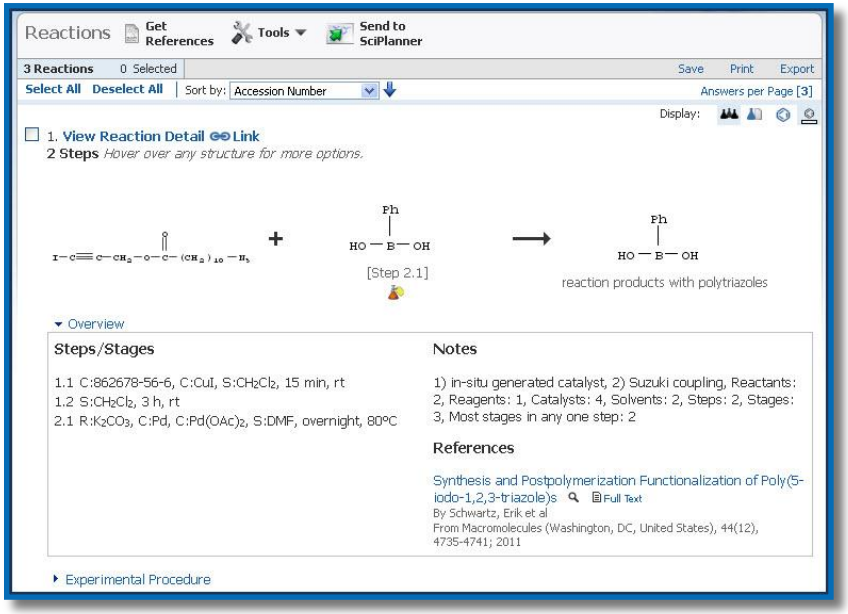
# CAS Registry 是世界上最大的化学物质数据库

**CAS REGISTRY**

Currently **>71** million organic & inorganic substances



# CASREACT® 是检索化学反应最权威的来源




- >5100万 单步和多步反应
- >1360万 物质合成制备信息
- 源自专利和期刊
- 可回溯到1840年
- 每天更新

**CASREACT是世界上最大的，更新速度最快的反应数据库**

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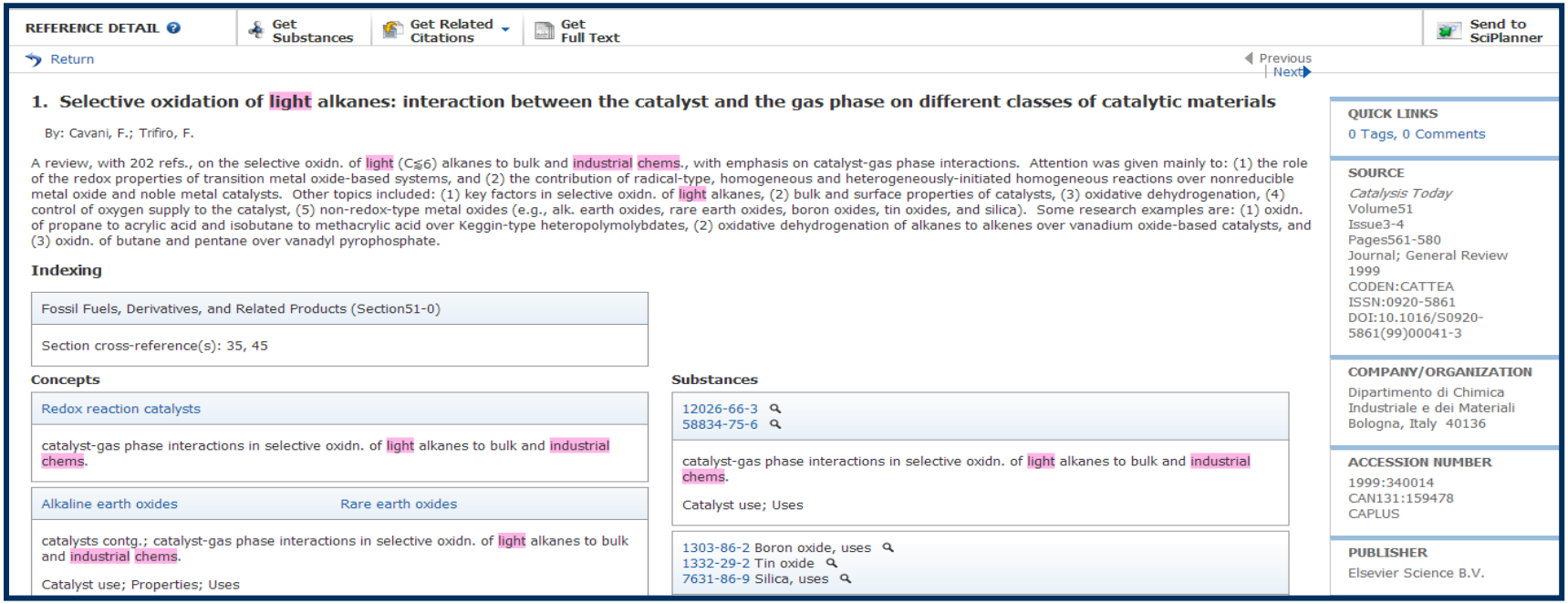
# SciFinder Web登陆界面—http://scifinder.cas.org

# SciFinder中的文献记录



REFERENCE DETAIL | Get Substances | Get Related Citations | Get Full Text | Send to SciPlanner

Return | Previous | Next

**1. Selective oxidation of light alkanes: interaction between the catalyst and the gas phase on different classes of catalytic materials**

By: Cavani, F.; Trifiro, F.

A review, with 202 refs., on the selective oxidn. of light (C≤6) alkanes to bulk and industrial chems., with emphasis on catalyst-gas phase interactions. Attention was given mainly to: (1) the role of the redox properties of transition metal oxide-based systems, and (2) the contribution of radical-type, homogeneous and heterogeneously-initiated homogeneous reactions over nonreducible metal oxide and noble metal catalysts. Other topics included: (1) key factors in selective oxidn. of light alkanes, (2) bulk and surface properties of catalysts, (3) oxidative dehydrogenation, (4) control of oxygen supply to the catalyst, (5) non-redox-type metal oxides (e.g., alk. earth oxides, rare earth oxides, boron oxides, tin oxides, and silica). Some research examples are: (1) oxidn. of propane to acrylic acid and isobutane to methacrylic acid over Keggin-type heteropolymolybdates, (2) oxidative dehydrogenation of alkanes to alkenes over vanadium oxide-based catalysts, and (3) oxidn. of butane and pentane over vanadyl pyrophosphate.

**Indexing**

Fossil Fuels, Derivatives, and Related Products (Section51-0)

Section cross-reference(s): 35, 45

**Concepts**

Redox reaction catalysts

catalyst-gas phase interactions in selective oxidn. of light alkanes to bulk and industrial chems.

Alkaline earth oxides | Rare earth oxides

catalysts contg.; catalyst-gas phase interactions in selective oxidn. of light alkanes to bulk and industrial chems.

Catalyst use; Properties; Uses

**Substances**

12026-66-3
58834-75-6

catalyst-gas phase interactions in selective oxidn. of light alkanes to bulk and industrial chems.

Catalyst use; Uses

1303-86-2 Boron oxide, uses
1332-29-2 Tin oxide
7631-86-9 Silica, uses

**QUICK LINKS**
0 Tags, 0 Comments

**SOURCE**
*Catalysis Today*
Volume51
Issue3-4
Pages561-580
Journal; General Review
1999
CODEN:CATTEA
ISSN:0920-5861
DOI:10.1016/S0920-5861(99)00041-3

**COMPANY/ORGANIZATION**
Dipartimento di Chimica Industriale e dei Materiali
Bologna, Italy 40136

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CAPLUS

**PUBLISHER**
Elsevier Science B.V.

**Citations**

Bielanski, A; Oxygen in Catalysis 1991
Haber, J; ACS Symp Series 1996, 638, 20
Oyama, S; ACS Symp Series 1996, 638, 2
Lee, J; Catal Rev-Sci Eng 1988, 30, 249
Kung, H; Adv Catal 1994, 40, 1
Vedrine, J; Catal Today 1997, 33, 3
Vedrine, J; Catal Today 1996, 32, 115
Busca, G; Catal Today 1996, 32, 133
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Albonetti, S; Catal Rev-Sci Eng 1996, 38, 413
Sokolovskii, V; Catal Rev-Sci Eng 1990, 32, 1
Delmon, B; Catalysts in Petroleum Refining and Petrochemical Industries 1995 1996
Burch, R; J Mol Catal A 1995, 100, 13
Schmidt, L; Chem Eng Sci 1994, 49, 3981
Kung, H; ACS Symp Series 1993, 523, 387
Trifiro, F; Selective Partial Oxidation of Hydrocarbons and Related Oxidations 1994
Trifiro, F; Oxidative dehydrogenation and alternative dehydrogenation processes 1993
Cavani, F; Catal Today 1995, 24, 307

一篇完整的文献界面包括：

1. 题录信息
2. 摘要信息
3. 文献中重要的概念
4. 文献中重要的物质
5. 书目信息
6. 获得文献中的物质，反应，引文等
7. 文献中的引文信息

# SciFinder中的文献检索方法

## 功能方面

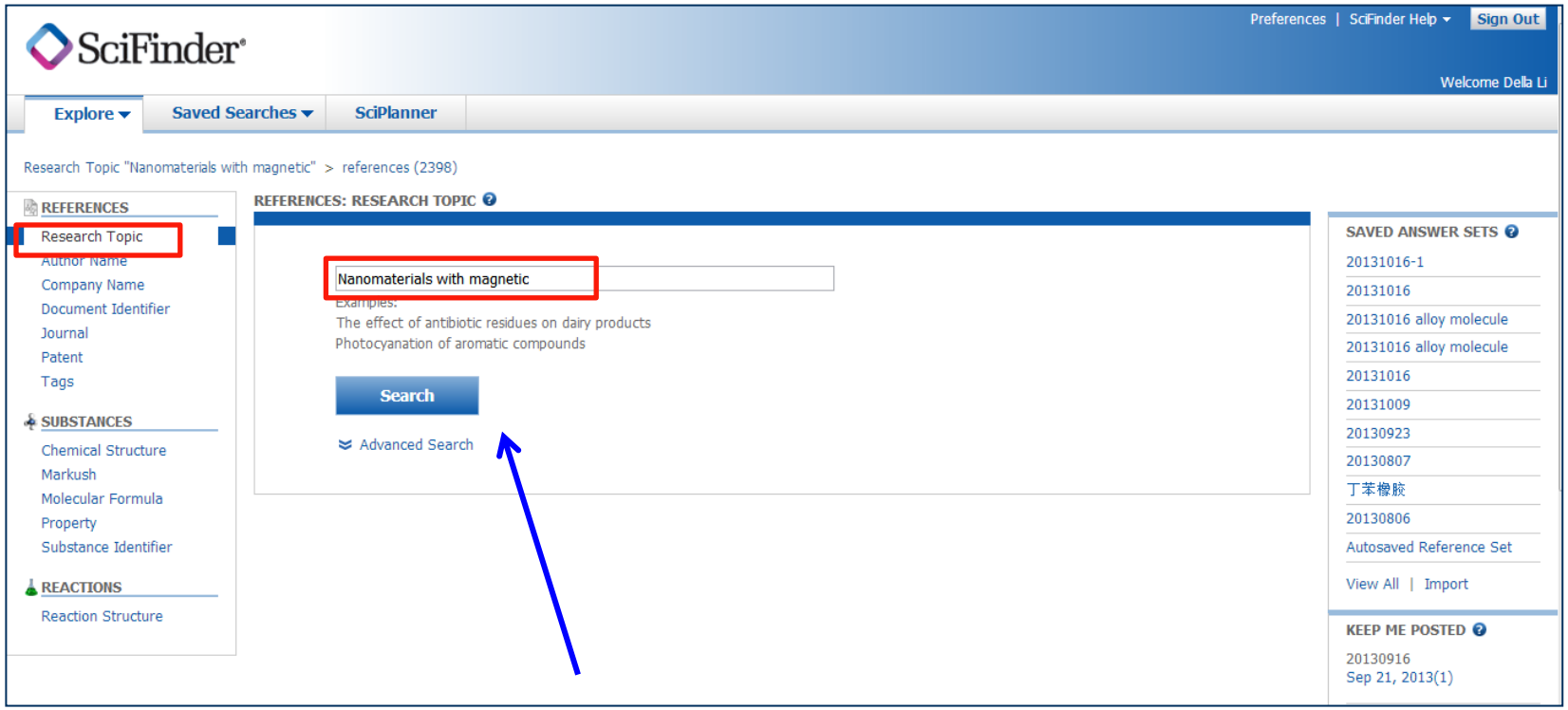
- 主题检索
- 作者名检索
- 机构名检索
- 文献标示符检索
- 从物质，反应获得文献

## 检索方法推荐

- 关注某特定领域的文献——-主题检索
- 关注物质有关的文献————-先获得物质，再获得文献
- 关注某科研人员的文献——-作者名检索

# SciFinder中的主题检索

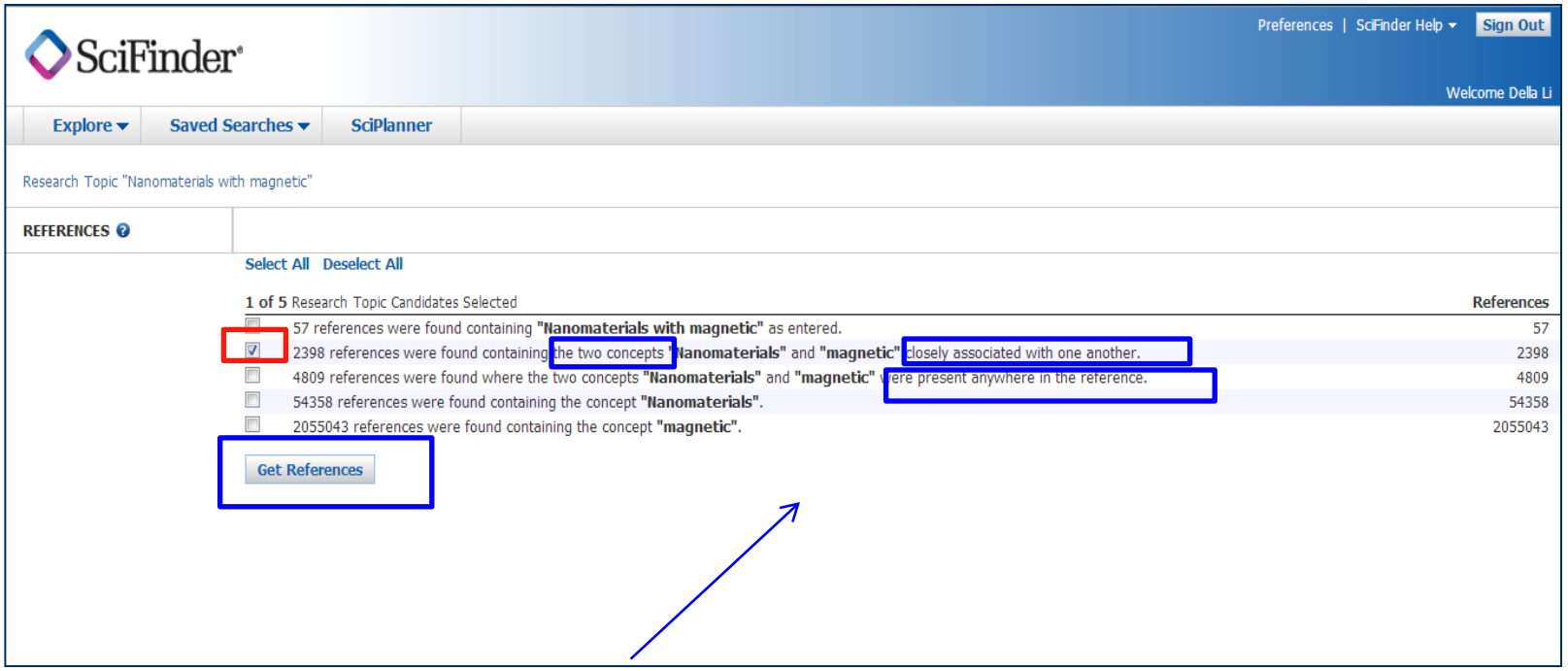
## 主题词： Nanomaterials with magnetic




术语之间最好用英文的介词如 of, with, beyond, in, on, as 等连接；

最多输入 5 个术语，2~3个左右最好

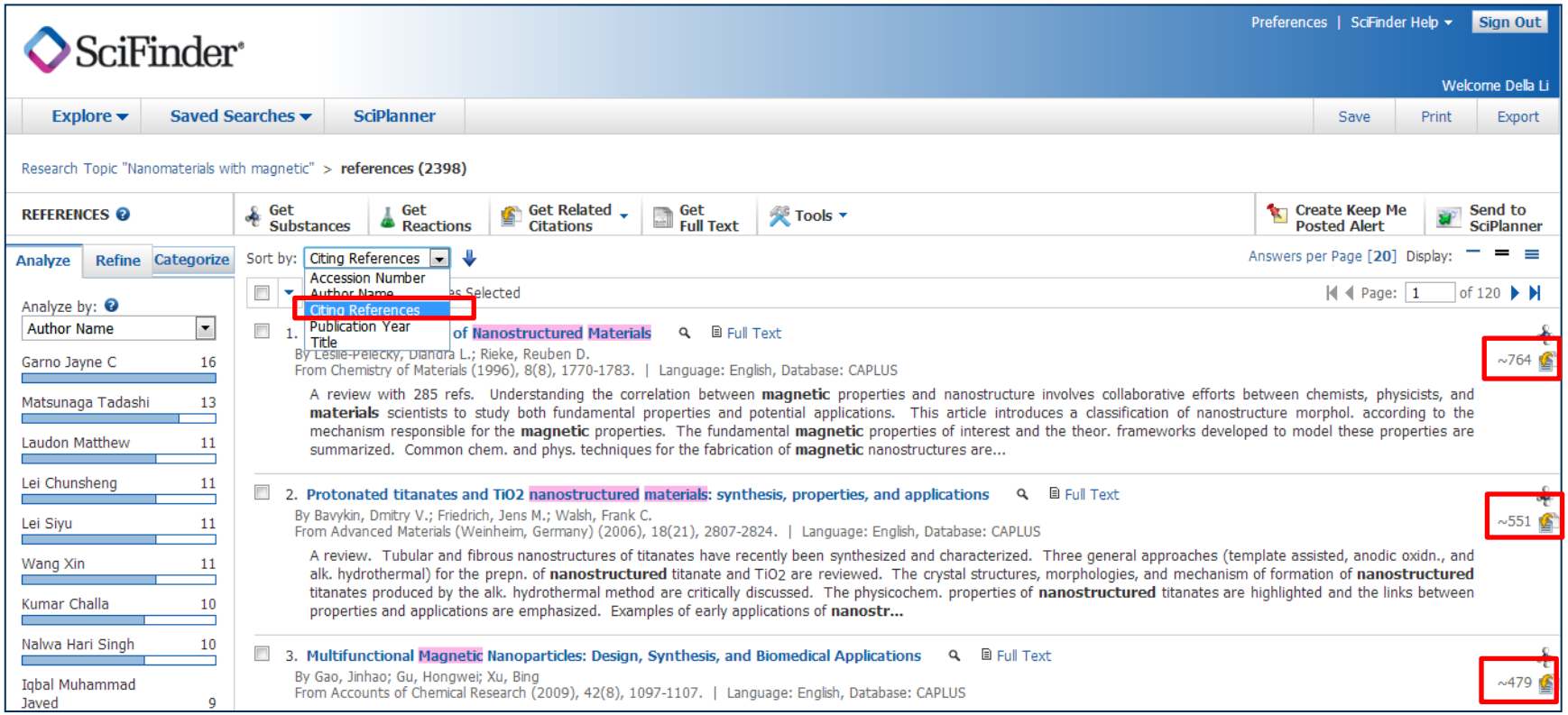
# SciFinder中的候选选项




关键词拼写上的变化及同义词都会会被检索到

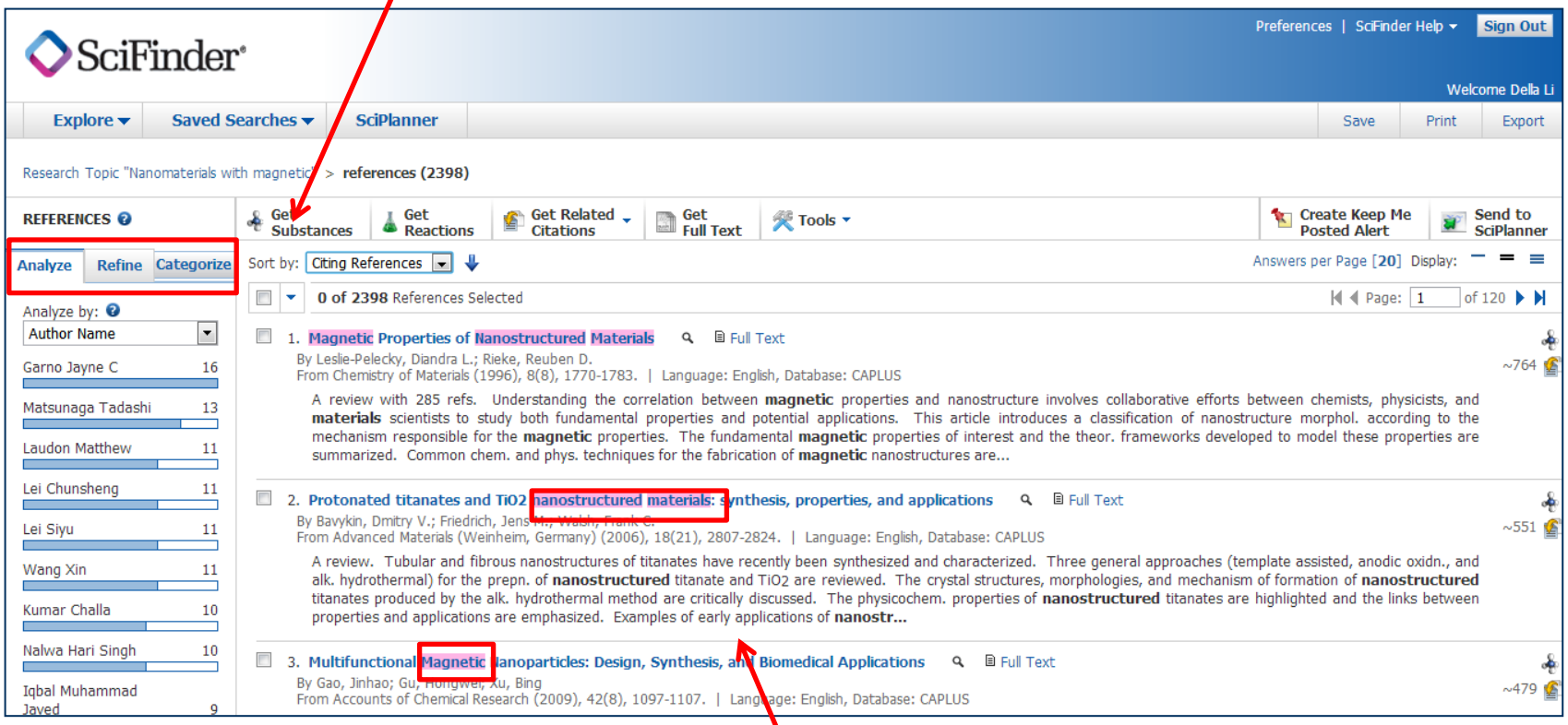
通常,第二项有“concept”和“closely associated with one another” 的选项是更好的选择

# SciFinder中的引文排序



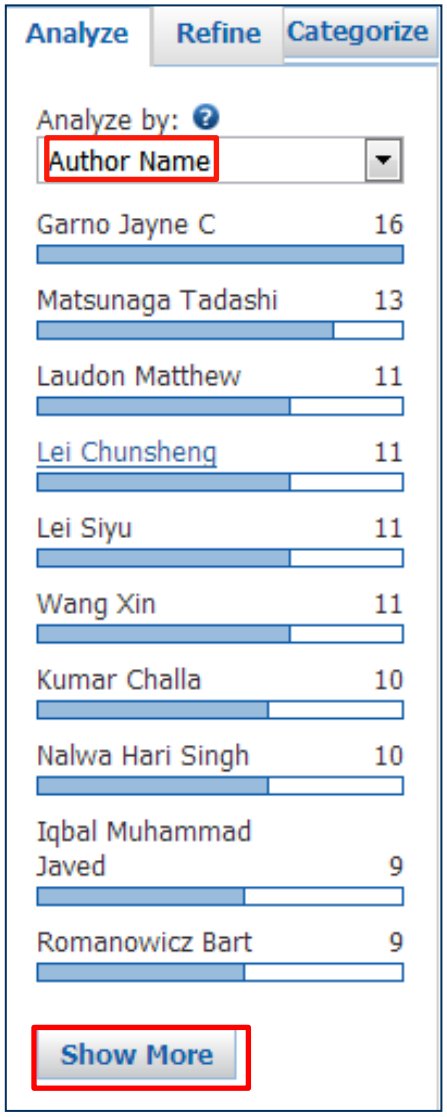

选择**sort by**里的**citing reference** 可以获得被引用次数最多的文献

# SciFinder中的文献筛选工具

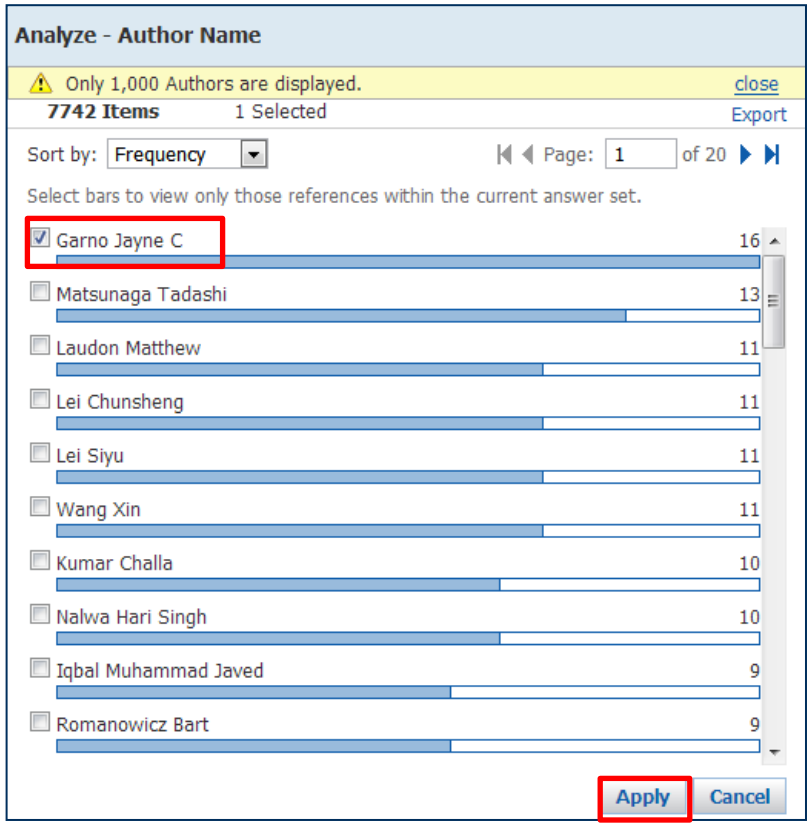



关键词高亮显示

# Analyse-作者姓名分析

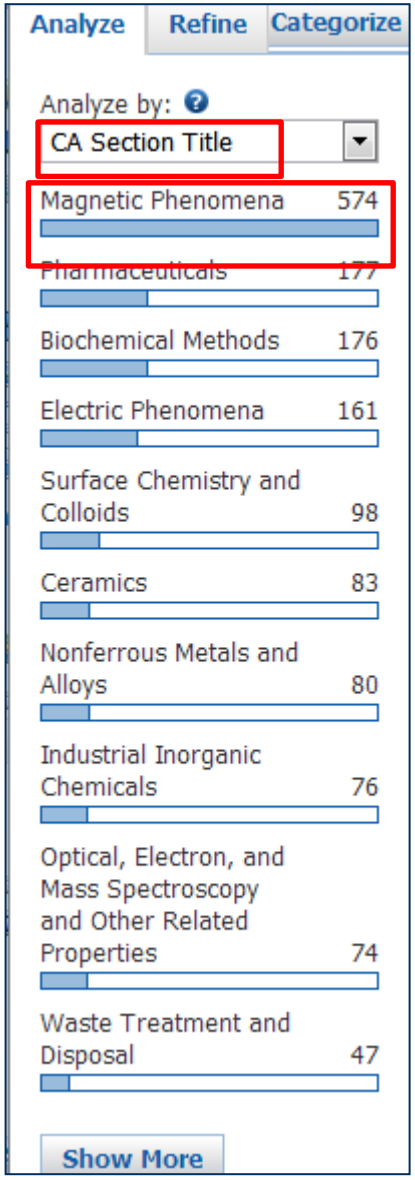



**Garno Jayne C在此领域发表了16篇文献**




点击**Apply**获得相应作者的文献

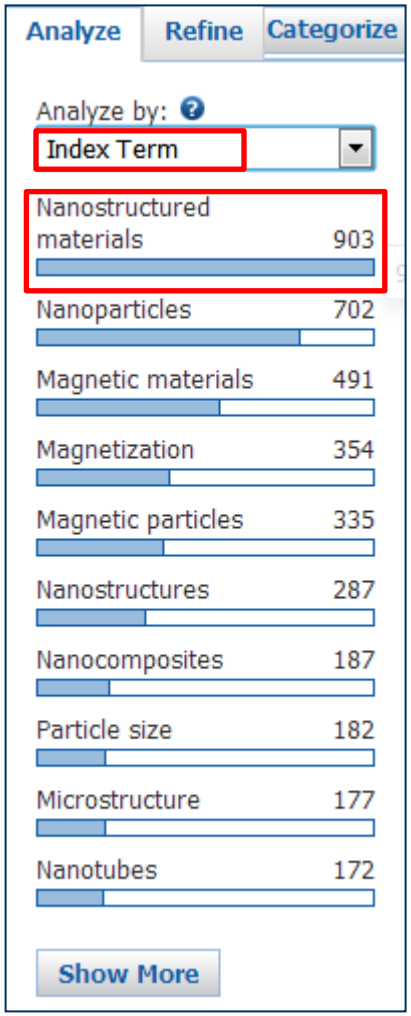
# Analyse-CA Section Title分析




## CA Section Title帮助分析主要的应用领域

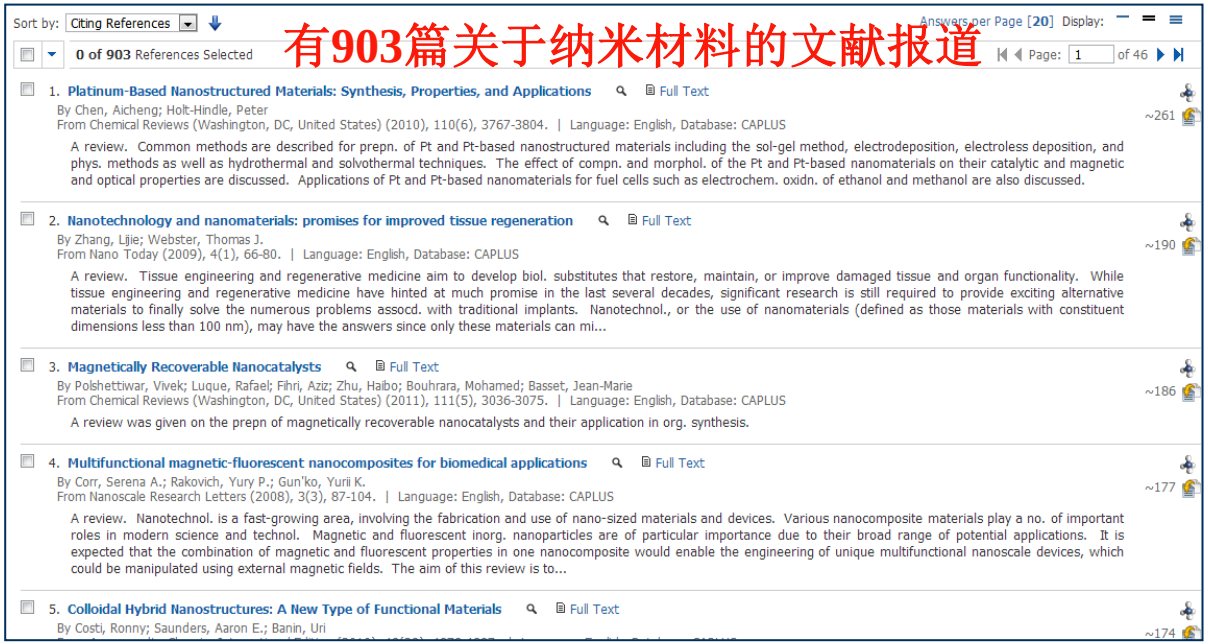
磁性纳米材料主要应用的领域：有磁现象，制药，电现象，表面化学和胶体等

# Analyse-索引词分析

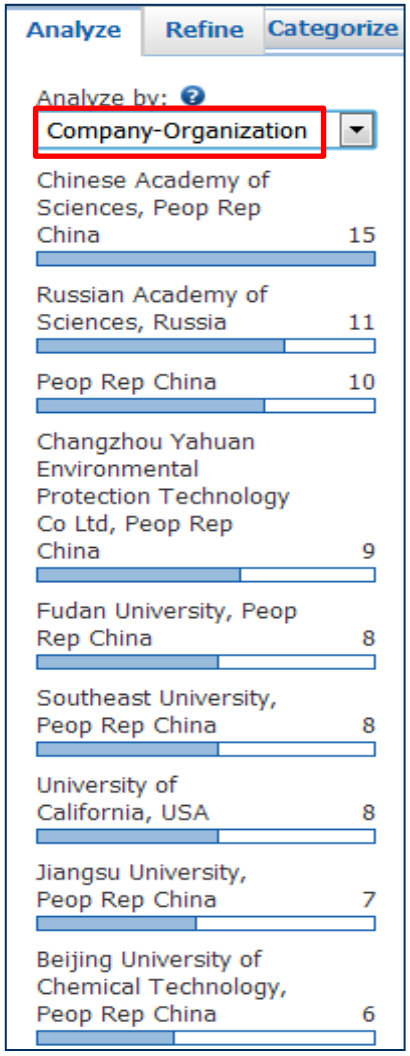



**Index Term帮助分析文献中出现的重要内容**

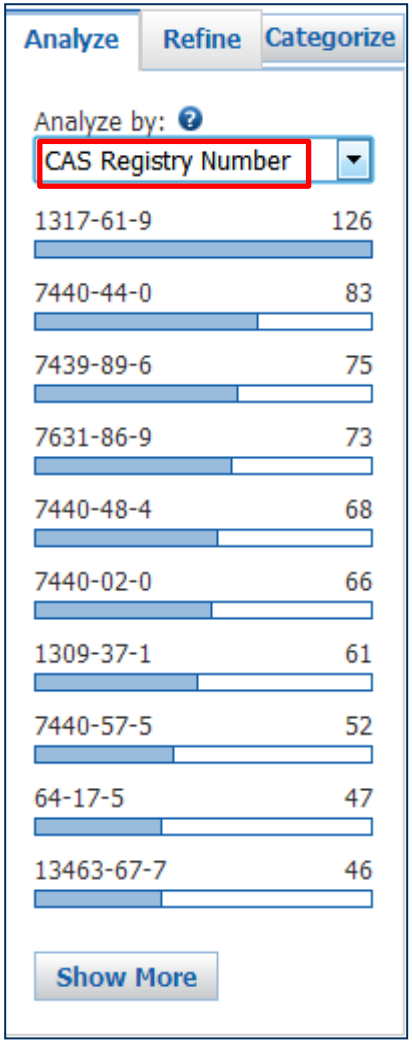
直接点击感兴趣的
内容获得相应文献



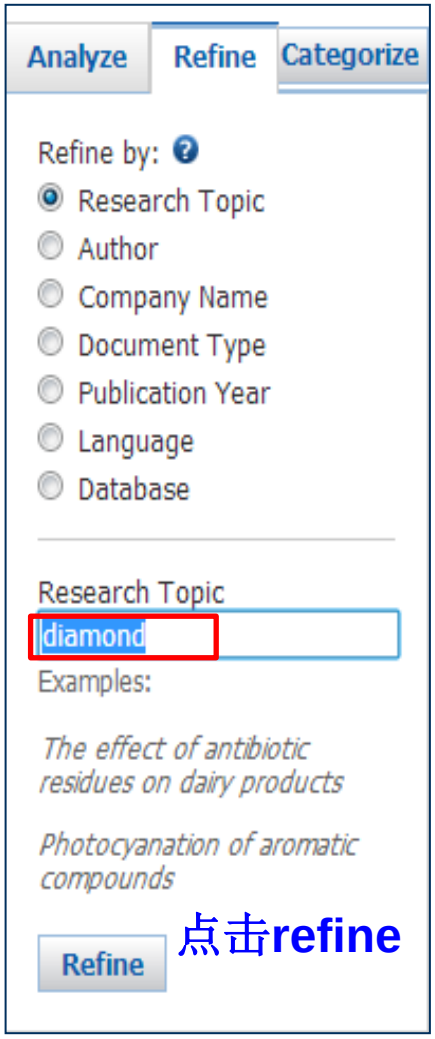
# Analyse-机构名称，期刊名称，CAS No分析



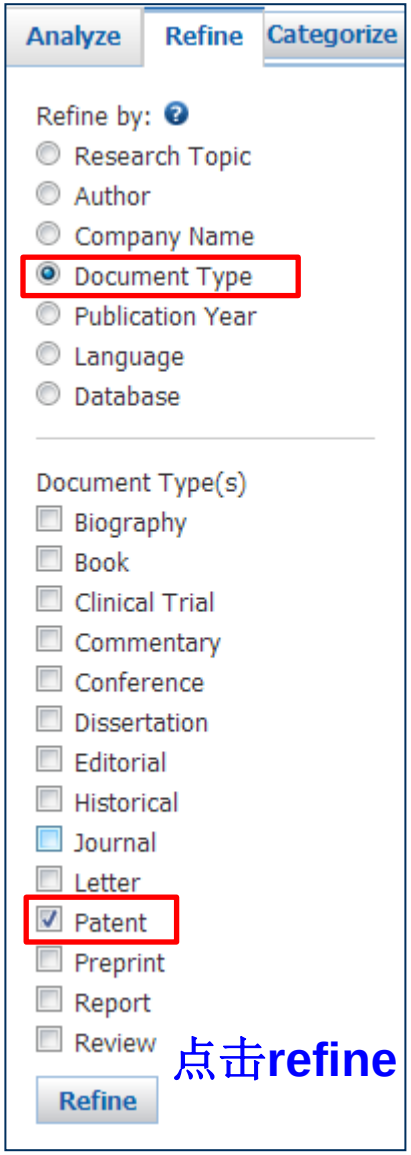




# Refine-主题词限定

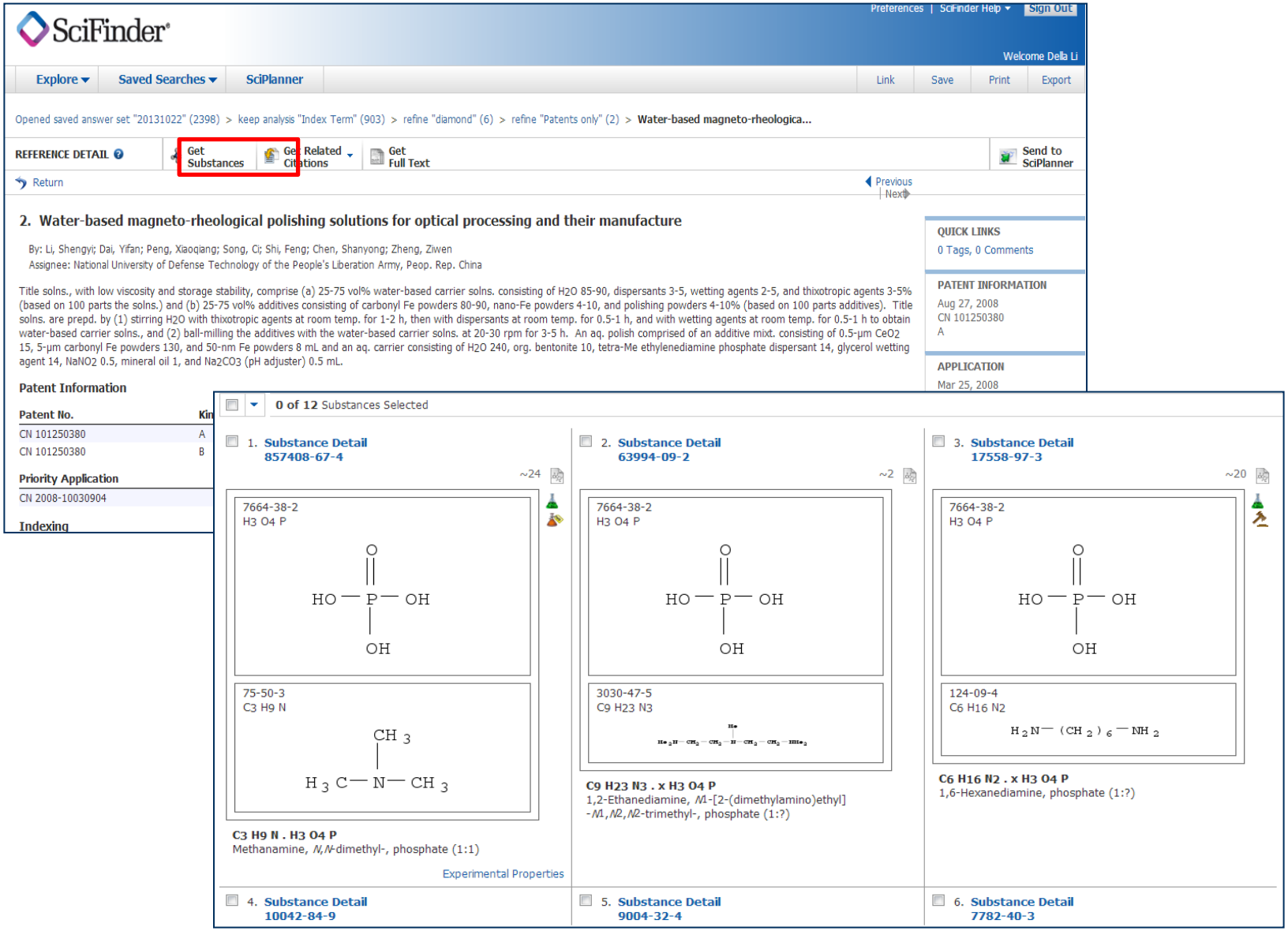



# Refine-文献类型限定



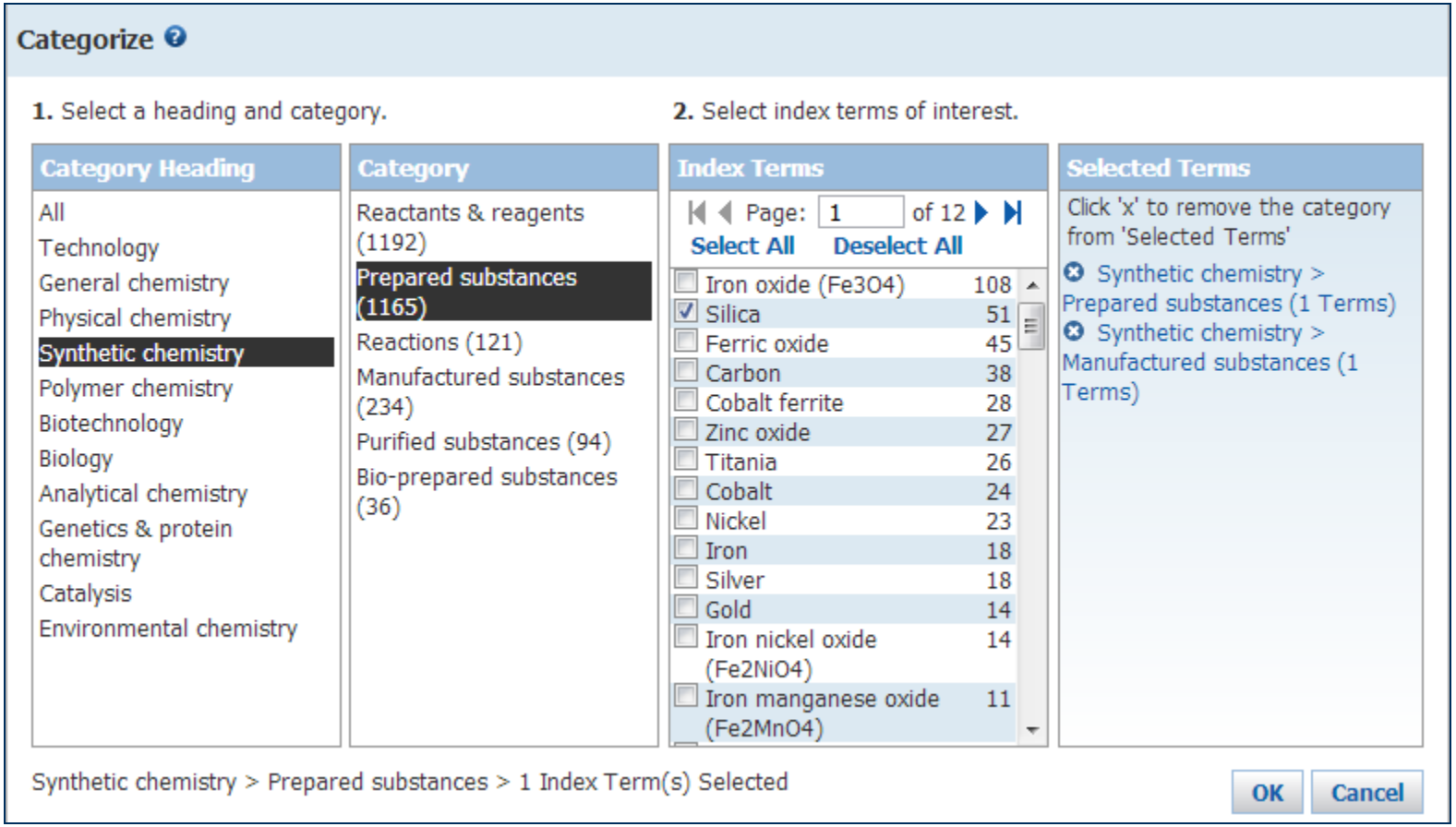


# 从文献获得物质



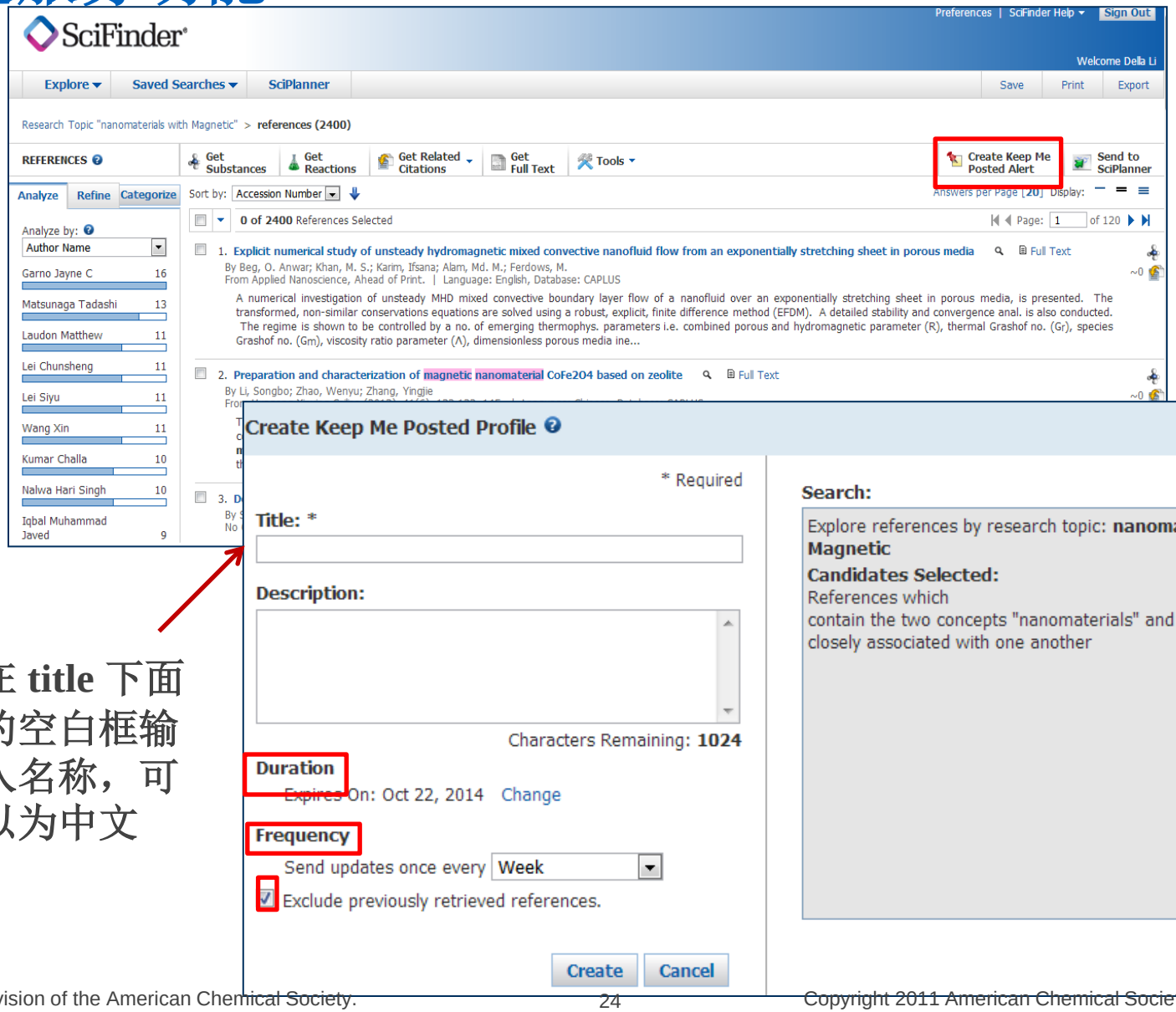

 

# 系统分类功能



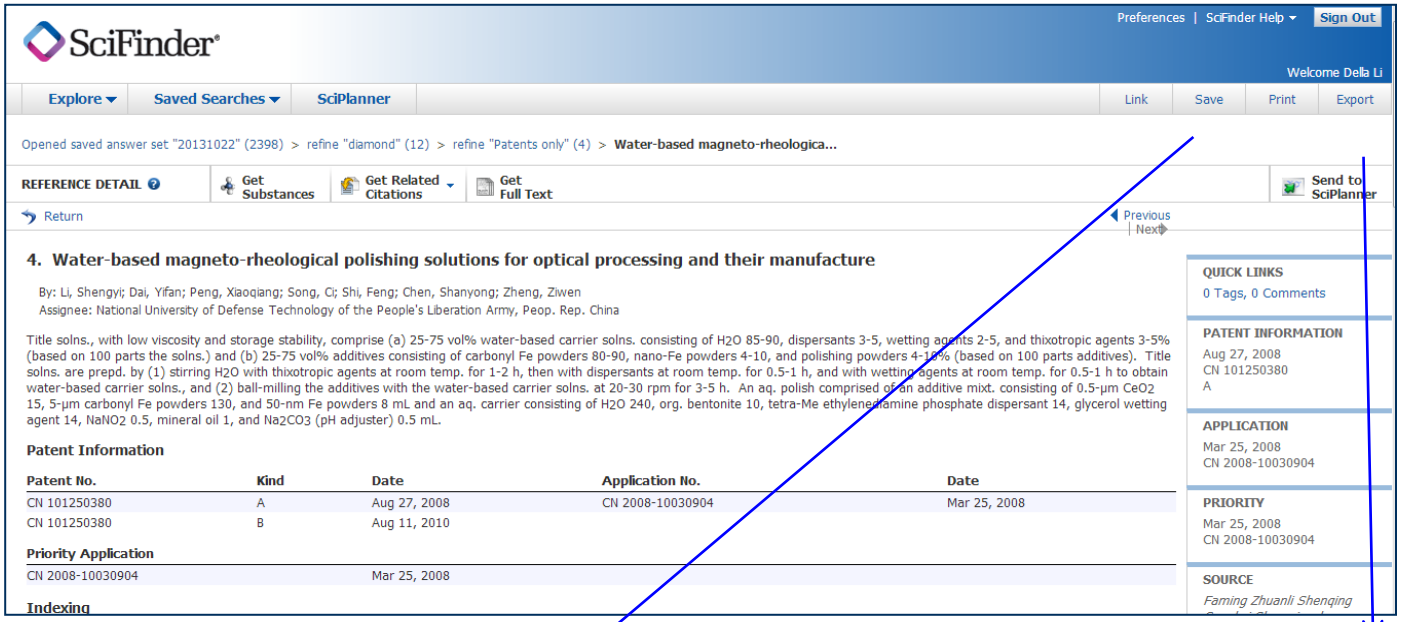

**Categorize—基于CAS索引获得更多详细的信息**

# 定题服务功能

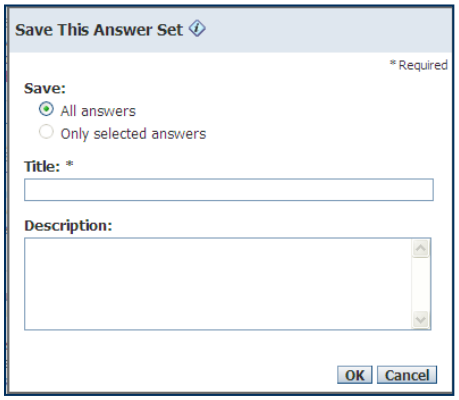



在 **title** 下面的空白框输入名称，可以为中文

# 保存,打印,导出




导出：
将结果保存到本地电脑




保存：
检索结果保存到CAS 的服务器上


ris 格式保存，可以导入到Endnote 中

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  - SciFinder中的反应检索
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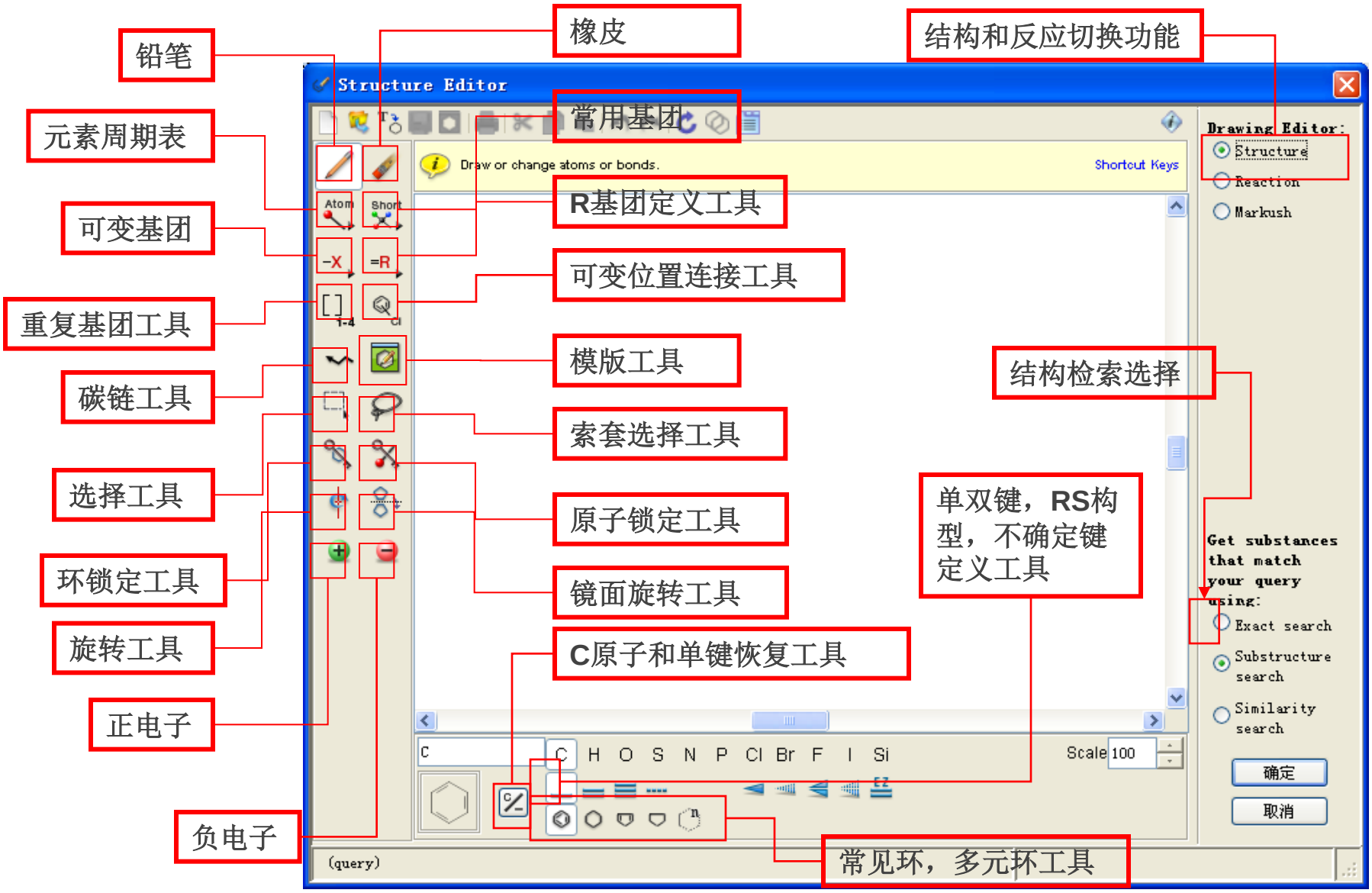
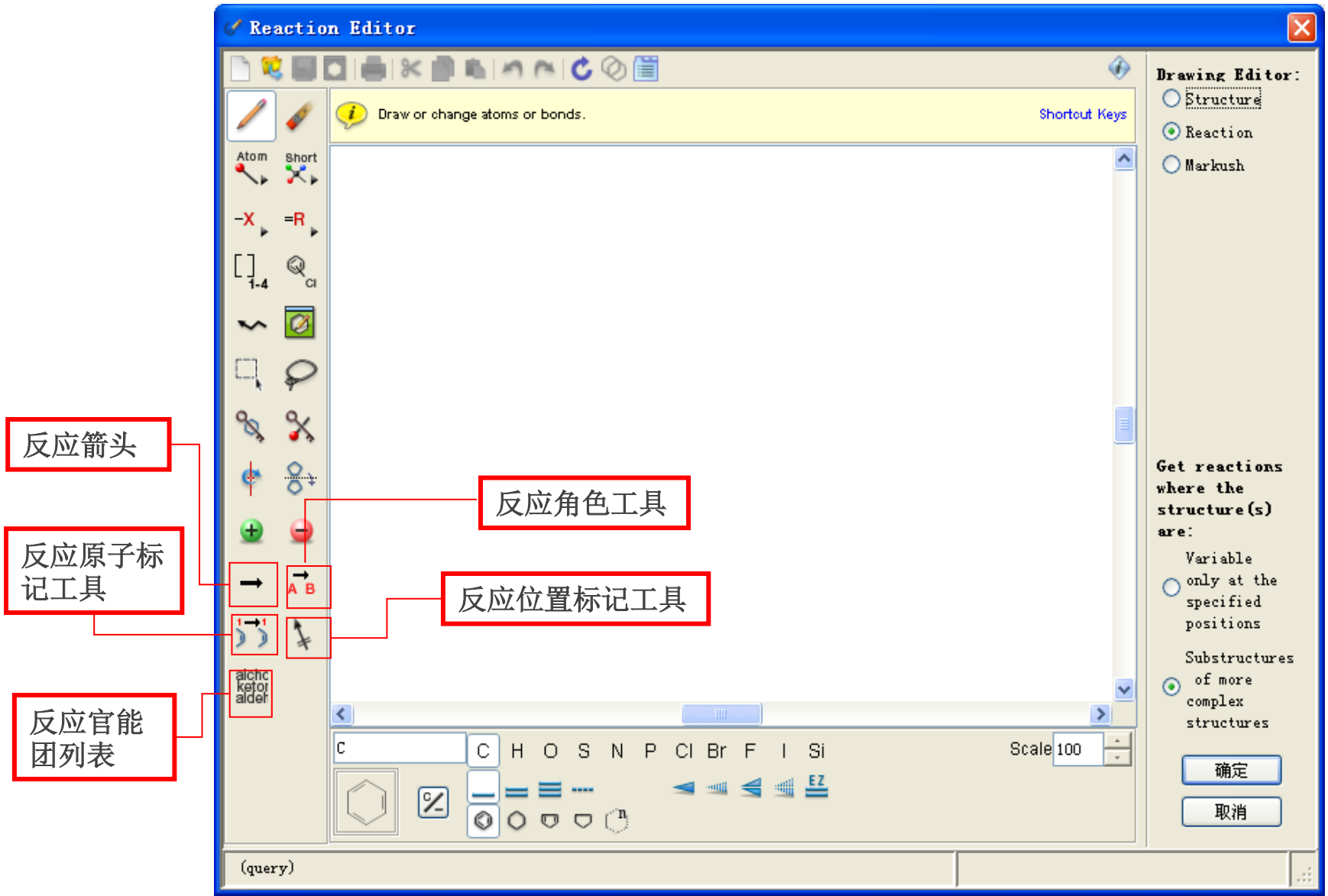
# SciFinder结构绘制工具



# SciFinder中的反应定义工具



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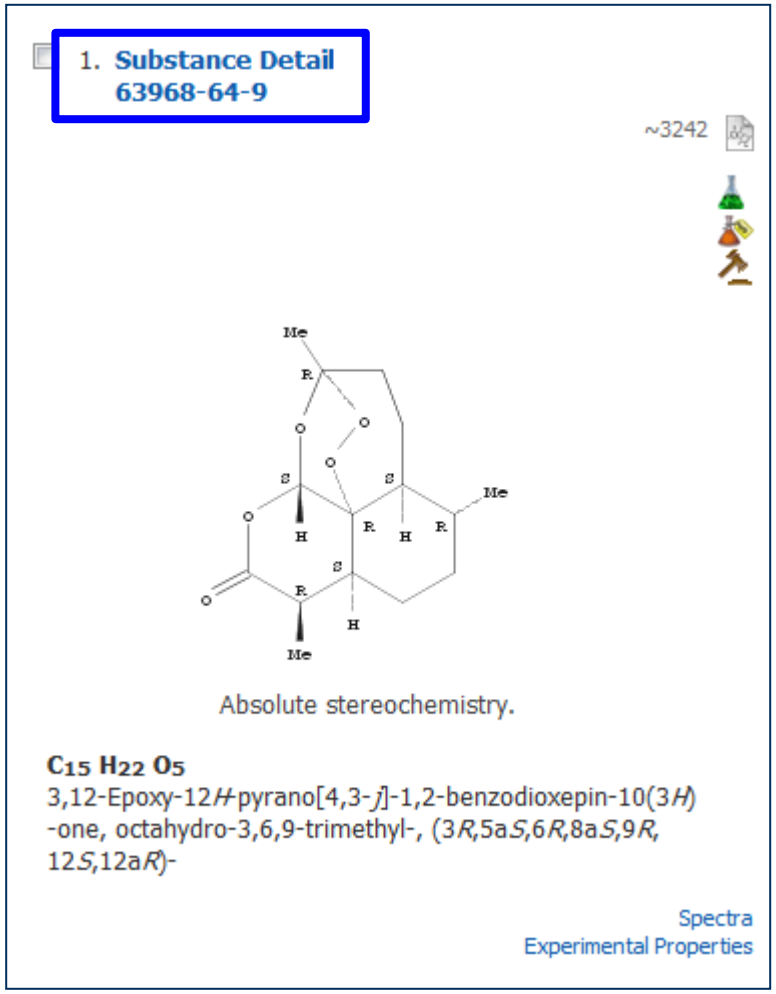
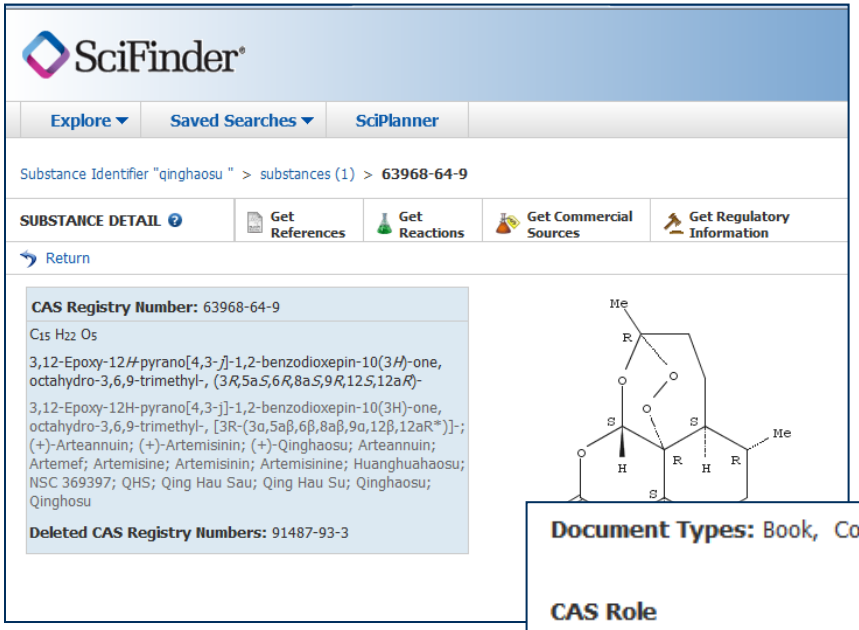
# SciFinder中的物质结果界面




一个完整的物质结果界面包含：

- 物质详情连接
- 文献连接
- 反应连接
- 商品信息连接
- 管制品信息连接
- 谱图连接
- 实验性质连接

# Substance Detail—查看物质详细信息



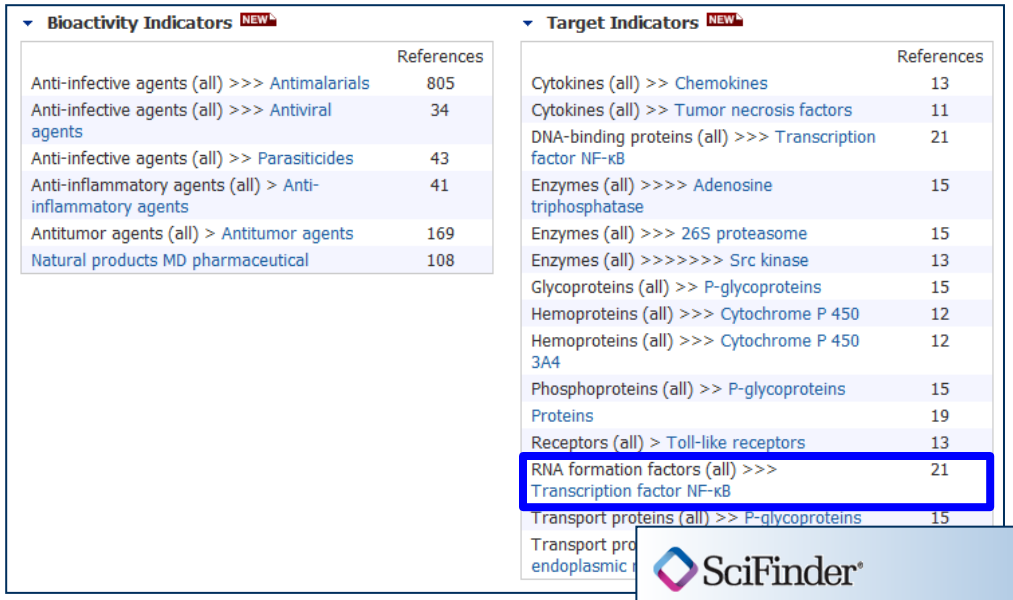

物质的的**CAS**号、分子式、结构式、化学名、别名

**Document Types:** Book, Conference, Dissertation, Journal, Patent, Report

| CAS Role | Patents | Nonpatents | Nonspecific Derivatives from Patents | Nonspecific Derivatives from Nonpatents |
|---|---|---|---|---|
| Analytical Study | ✓ | ✓ | ✓ | ✓ |
| Biological Study | ✓ | ✓ | ✓ | ✓ |
| Formation, Nonpreparative | | ✓ | ✓ | ✓ |
| Miscellaneous | ✓ | ✓ | | |
| Occurrence | ✓ | ✓ | | ✓ |
| Preparation | ✓ | ✓ | ✓ | ✓ |
| Process | ✓ | ✓ | ✓ | ✓ |
| Properties | ✓ | ✓ | ✓ | ✓ |
| Prophetic in Patents | ✓ | | | |
| Reactant or Reagent | ✓ | ✓ | ✓ | ✓ |
| Uses | ✓ | ✓ | ✓ | ✓ |

按照**CAS Role**分类的专利、非专利文献列表。对某类文献感兴趣，仅需点击交叉处的　即可方便快捷地获取。

# Substance Detail—查看物质详细信息



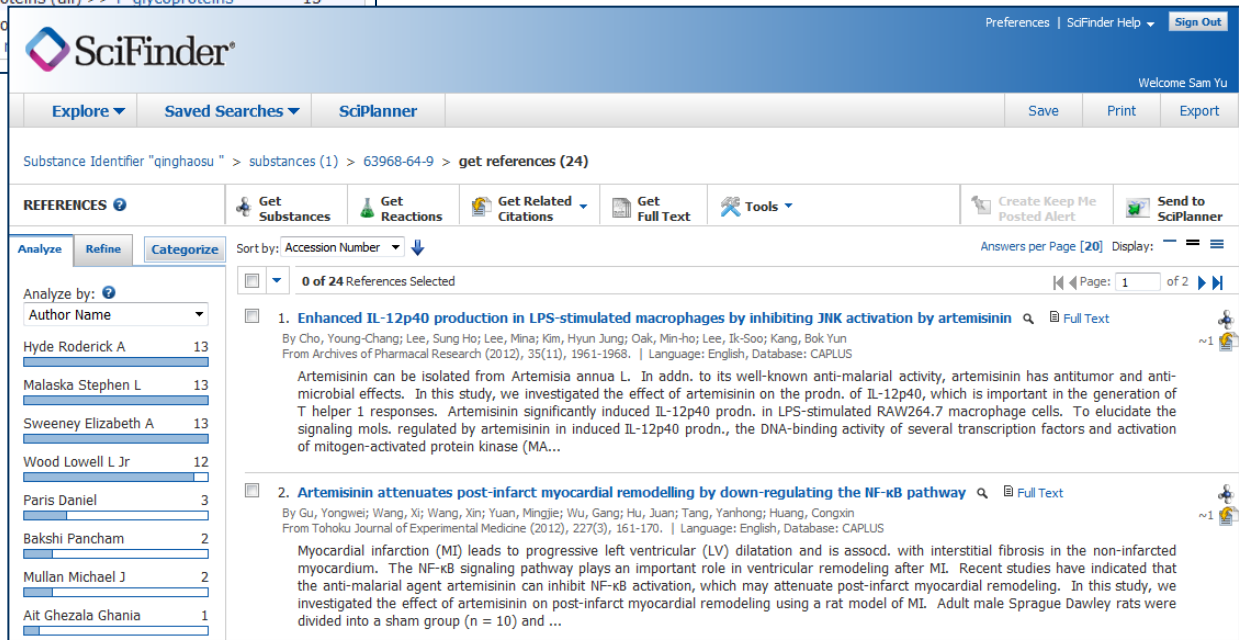
**Bioactivity Indicators** NEW

| | References |
|---|---|
| Anti-infective agents (all) >>> Antimalarials | 805 |
| Anti-infective agents (all) >>> Antiviral agents | 34 |
| Anti-infective agents (all) >> Parasiticides | 43 |
| Anti-inflammatory agents (all) > Anti-inflammatory agents | 41 |
| Antitumor agents (all) > Antitumor agents | 169 |
| Natural products MD pharmaceutical | 108 |

**Target Indicators** NEW

| | References |
|---|---|
| Cytokines (all) >> Chemokines | 13 |
| Cytokines (all) >> Tumor necrosis factors | 11 |
| DNA-binding proteins (all) >>> Transcription factor NF-κB | 21 |
| Enzymes (all) >>>> Adenosine triphosphatase | 15 |
| Enzymes (all) >>> 26S proteasome | 15 |
| Enzymes (all) >>>>>>> Src kinase | 13 |
| Glycoproteins (all) >> P-glycoproteins | 15 |
| Hemoproteins (all) >>> Cytochrome P 450 | 12 |
| Hemoproteins (all) >>> Cytochrome P 450 3A4 | 12 |
| Phosphoproteins (all) >> P-glycoproteins | 15 |
| Proteins | 19 |
| Receptors (all) > Toll-like receptors | 13 |
| RNA formation factors (all) >>> Transcription factor NF-κB | 21 |
| Transport proteins (all) >> P-glycoproteins | 15 |
| Transport pro… endoplasmic … | |

物质的生物活性和靶点信息，
直接点击，获得相关文献



SciFinder

Preferences | SciFinder Help | Sign Out

Welcome Sam Yu

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Substance Identifier "qinghaosu " > substances (1) > 63968-64-9 > get references (24)

REFERENCES | Get Substances | Get Reactions | Get Related Citations | Get Full Text | Tools | Create Keep Me Posted Alert | Send to SciPlanner

Analyze | Refine | Categorize

Sort by: Accession Number

Answers per Page [20] Display:

0 of 24 References Selected

Page: 1 of 2

Analyze by: Author Name

Hyde Roderick A 13

Malaska Stephen L 13

Sweeney Elizabeth A 13

Wood Lowell L Jr 12

Paris Daniel 3

Bakshi Pancham 2

Mullan Michael J 2

Ait Ghezala Ghania 1

1. **Enhanced IL-12p40 production in LPS-stimulated macrophages by inhibiting JNK activation by artemisinin** Full Text

By Cho, Young-Chang; Lee, Sung Ho; Lee, Mina; Kim, Hyun Jung; Oak, Min-ho; Lee, Ik-Soo; Kang, Bok Yun

From Archives of Pharmacal Research (2012), 35(11), 1961-1968. | Language: English, Database: CAPLUS

Artemisinin can be isolated from Artemisia annua L. In addn. to its well-known anti-malarial activity, artemisinin has antitumor and anti-microbial effects. In this study, we investigated the effect of artemisinin on the prodn. of IL-12p40, which is important in the generation of T helper 1 responses. Artemisinin significantly induced IL-12p40 prodn. in LPS-stimulated RAW264.7 macrophage cells. To elucidate the signaling mols. regulated by artemisinin in induced IL-12p40 prodn., the DNA-binding activity of several transcription factors and activation of mitogen-activated protein kinase (MA...

2. **Artemisinin attenuates post-infarct myocardial remodelling by down-regulating the NF-κB pathway** Full Text

By Gu, Yongwei; Wang, Xi; Wang, Xin; Yuan, Mingjie; Wu, Gang; Hu, Juan; Tang, Yanhong; Huang, Congxin

From Tohoku Journal of Experimental Medicine (2012), 227(3), 161-170. | Language: English, Database: CAPLUS

Myocardial infarction (MI) leads to progressive left ventricular (LV) dilatation and is assocd. with interstitial fibrosis in the non-infarcted myocardium. The NF-κB signaling pathway plays an important role in ventricular remodeling after MI. Recent studies have indicated that the anti-malarial agent artemisinin can inhibit NF-κB activation, which may attenuate post-infarct myocardial remodeling. In this study, we investigated the effect of artemisinin on post-infarct myocardial remodeling using a rat model of MI. Adult male Sprague Dawley rats were divided into a sham group (n = 10) and ...

# Substance Detail—查看物质详细信息

**Predicted Properties:** Biological Chemical Density Lipinski and Related Spectra Structure-related Thermal

| Biological Properties | Value | Condition | Note | Top |
|---|---|---|---|---|
| Bioconcentration Factor | 31.2 | pH 1 Temp: 25 °C | (26) | |
| Bioconcentration Factor | 31.2 | pH 2 Temp: 25 °C | (26) | |
| Bioconcentration Factor | 31.2 | pH 3 Temp: 25 °C | (26) | |
| Bioconcentration Factor | 31.2 | pH 4 Temp: 25 °C | (26) | |
| Bioconcentration Factor | 31.2 | pH 5 Temp: 25 °C | (26) | |
| Bioconcentration Factor | 31.2 | pH 6 Temp: 25 °C | (26) | |
| Bioconcentration Factor | 31.2 | pH 7 Temp: 25 °C | (26) | |
| Bioconcentration Factor | 31.2 | pH 8 Temp: 25 °C | (26) | |
| Bioconcentration Factor | 31.2 | pH 9 Temp: 25 °C | (26) | |
| Bioconcentration Factor | 31.2 | pH 10 Temp: 25 °C | (26) | |

| Lipinski and Related Properties | Value | Condition | Note | Top |
|---|---|---|---|---|
| Freely Rotatable Bonds | 0 | | (26) | |
| H Acceptors | 5 | | (26) | |
| H Donors | 0 | | (26) | |
| H Donor/Acceptor Sum | 5 | | (26) | |
| logP | 2.269±0.680 | Temp: 25 °C | (26) | |
| Molecular Weight | 282.33 | | (26) | |

| Spectra Properties | Value | Condition | Note | Top |
|---|---|---|---|---|
| Carbon-13 NMR Spectrum | See spectrum | | (27) | |
| Proton NMR Spectrum | See spectrum | | (27) | |

# Substance Detail—查看物质详细信息

**Experimental Properties:** Biological Chemical Density Flow and Diffusion Lipinski and Related Optical and Scattering Spectra Structure-related Thermal

| Biological Properties | Value | Condition | Note | Top |
|---|---|---|---|---|
| ADME (Absorption, Distribution, Metabolism, Excretion) | See full text | | (1)CAS | |
| Half-Life (Biological) | See full text | 1 of 2 | (9)CAS | |
| Median Lethal Dose(LD50) | 5576 mg/kg | Organism: rat Route: oral | (14)APC | |
| Median Lethal Dose(LD50) | 5105 mg/kg | Organism: mouse Route: oral | (14)APC | |
| Median Lethal Dose(LD50) | 2800 mg/kg | Organism: mouse Route: intramuscular | (14)APC | |
| Median Lethal Dose(LD50) | 2571 mg/kg | Organism: rat Route: intramuscular | (14)APC | |
| Median Lethal Dose(LD50) | 1558 mg/kg | Organism: mouse Route: intraperitoneal | (14)APC | |
| Minimum Inhibitory Concentration | See full text | 1 of 2 | (18)CAS | |

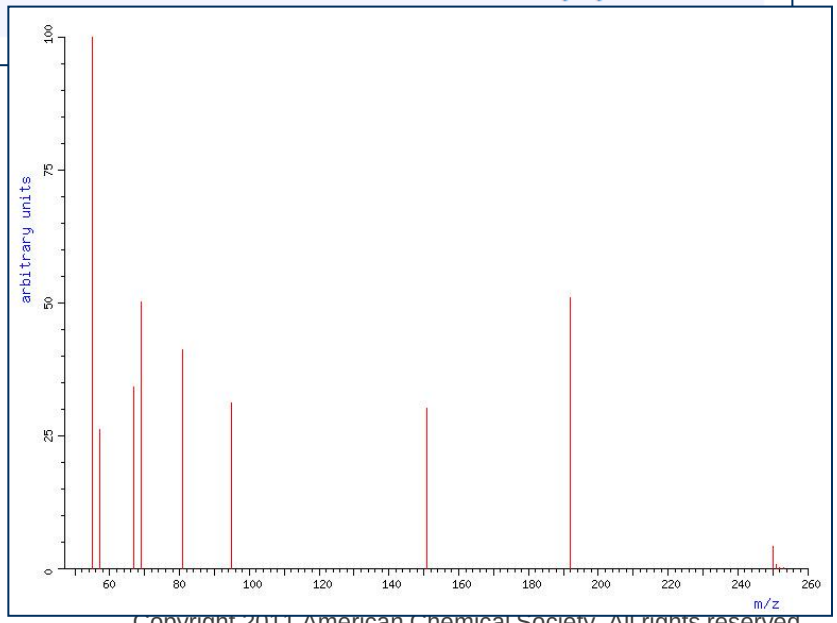
| Lipinski and Related Properties | Value | Condition | Note | Top |
|---|---|---|---|---|
| logP | See full text | 1 of 2 | (12)CAS | |

| Optical and Scattering Properties | Value | Condition | Note | Top |
|---|---|---|---|---|
| Optical Rotatory Power | +87.9 ° | Solv: 1,4-dioxane (123-91-1); Wavlen: 589.3 nm | (20)CAS | |
| Optical Rotatory Power | +75-+78 ° | Conc: 1.0 g/100mL; Solv: ethanol (64-17-5); Wavlen: 589.3 nm; Temp: 20 °C | (12)CAS | |
| Optical Rotatory Power | +68.2 ° | Conc: 0.97 g/100mL; Solv: chloroform (67-66-3); Temp: 25 °C | (16)IC | |

# Substance Detail—查看物质详细信息

| Spectra Properties | Value | Condition | Note | Top |
|---|---|---|---|---|
| Carbon-13 NMR Spectrum | See full text | 1 of 8 | (3)CAS | |
| Circular Dichroism Spectrum | See full text | 1 of 2 | (4)IC | |
| IR Absorption Spectrum | See full text | 1 of 11 | (11)CAS | |
| Mass Spectrum | See spectrum | | (13)WSS | |
| Mass Spectrum | See spectrum | | (13)WSS | |
| Mass Spectrum | See full text | 1 of 10 | (1)CAS | |
| Proton NMR Spectrum | See full text | 1 of 10 | (15)CAS | |
| Raman Spectrum | See full text | 1 of 2 | (5)CAS | |
| Two-Dimensional NMR Spectrum | See full text | 1 of 2 | (24)CAS | |
| UV and Visible Absorption Spectrum | See full text | | (22)CAS | |
| UV and Visible Emission/Luminescence Spectrum | See full text | | (25)CAS | |

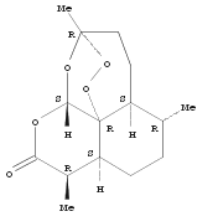
物质的实验谱图



# 物质有关的反应

1. **Substance Detail**
**63968-64-9**

~3242



Absolute stereochemistry.

**$C_{15}H_{22}O_5$**
3,12-Epoxy-12*H*-pyrano[4,3-*j*]-1,2-benzodioxepin-10(3*H*)-one, octahydro-3,6,9-trimethyl-, (3*R*,5a*S*,6*R*,8a*S*,9*R*,12*S*,12a*R*)-

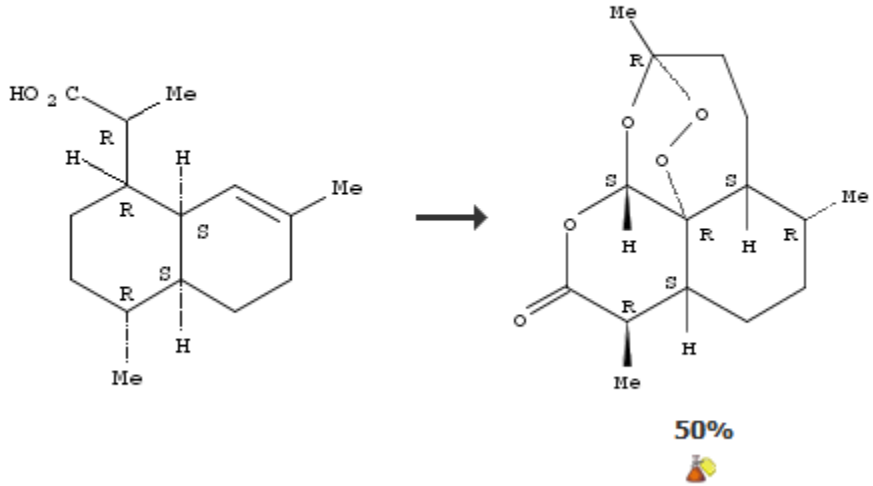
**Get Reactions**

**Limit results by reaction role:**

- (•) Product
- ( ) Reactant
- ( ) Reagent
- ( ) Reactant or reagent
- ( ) Catalyst
- ( ) Solvent
- ( ) Any role

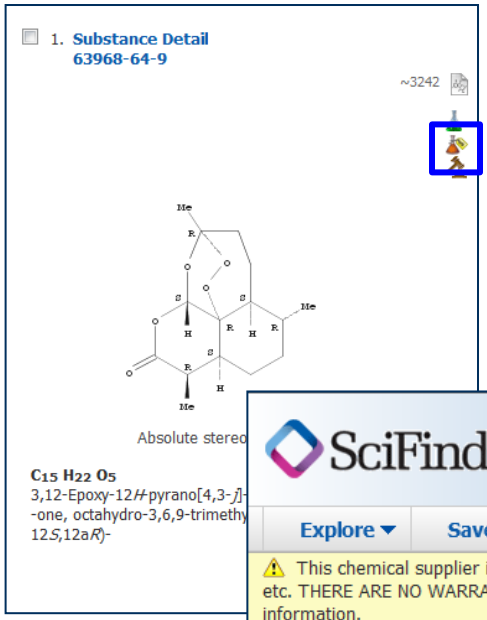
Get | Cancel

1. **View Reaction Detail** **Link** **Similar Reactions**
**Single Step** *Hover over any structure for more options.*




Overview

# 物质有关的商业来源




可以直接Export到Excel中，又或者使用分析工具，对商业信息进行处理

SciFinder

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This chemical supplier information is provided on an "as is" basis. Please consult the suppliers for current information regarding pricing, regional availability, available quantities, purities, etc. THERE ARE NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED. ACS is not liable for any loss of profit, goodwill or any other damages arising out of the use of this information.

Substance Identifier "qinghaosu " > substances (1) > 63968-64-9 > **commercial sources (91)**

**COMMERCIAL SOURCES**

Analyze

Analyze by: Catalog Name

Accel Pharmtech Product List 2

AK Scientific Product Catalog 2

Chemieliva Pharmaceutical Product List 2

ChemPacific Product

Sort by: Catalog Name

Answers per Page [20]

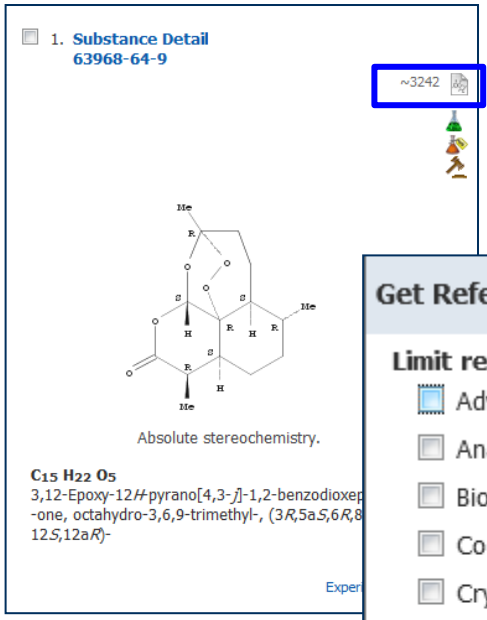
**0 of 91** Commercial Sources Selected

Page: 1 of 5

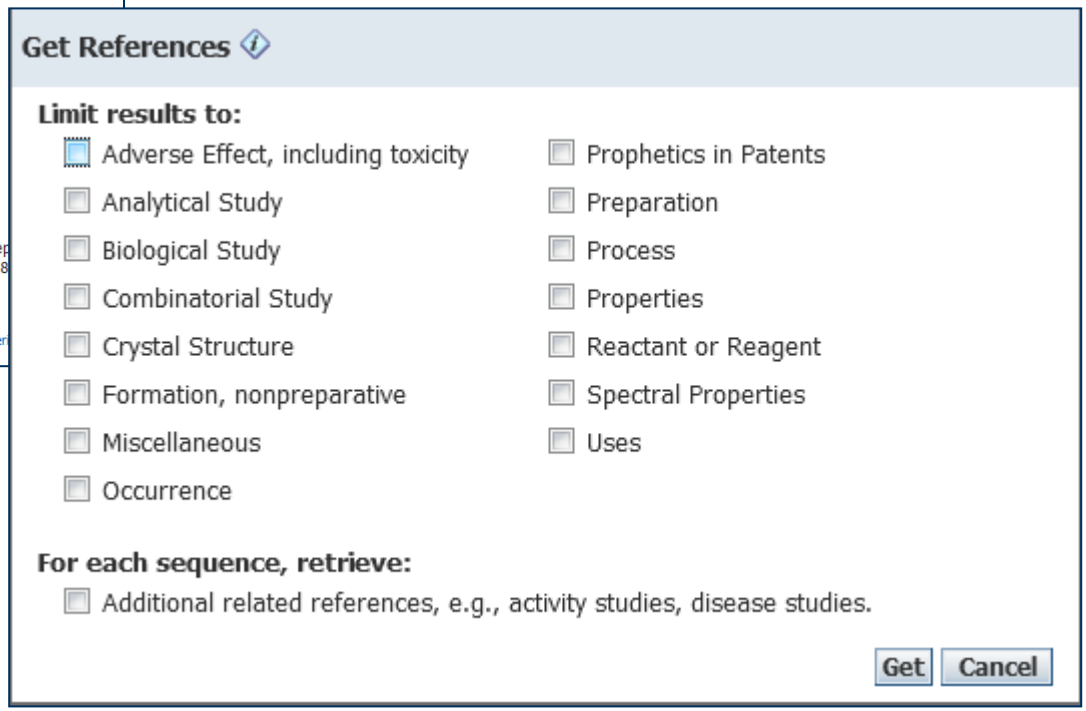
1. **3B Scientific Corporation Product List**
Supplier Name: 3B Scientific Corporation, Catalog Publication Date: 12 Jul 2012
Order Number: 3B2-3802
Quantity: 1g
63968-64-9 Astemisinin
Link

2. **A Chemtek Product List**
Supplier Name: A Chemtek, Catalog Publication Date: 13 Mar 2013
Order Number: 031-18967
Quantity: N/A
63968-64-9 Artemisnini

# 物质有关的文献信息



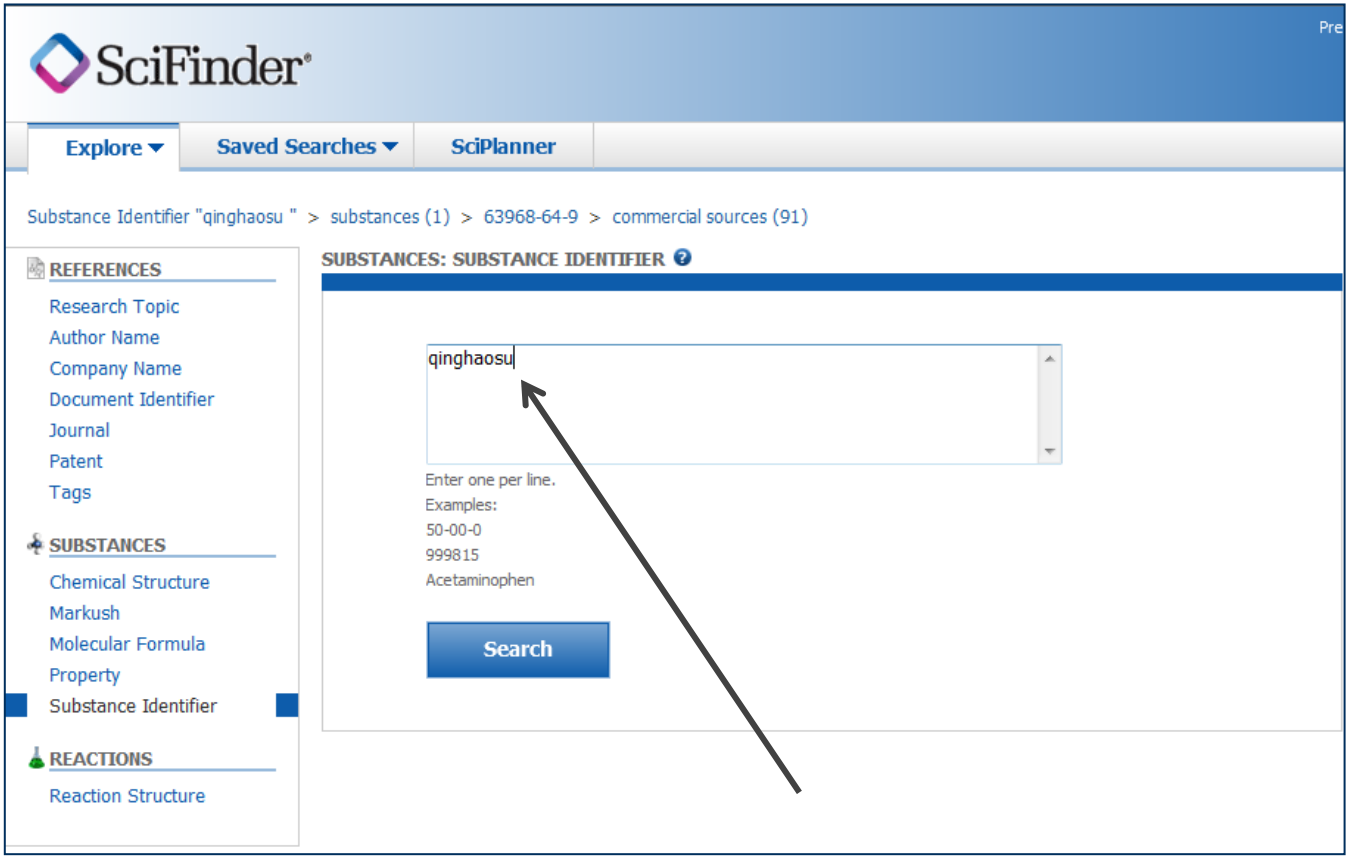

一键获得文献，可以获得全部，也可以勾选特别感兴趣的内容，不勾选，默认获得全部



# SciFinder中的物质检索方法

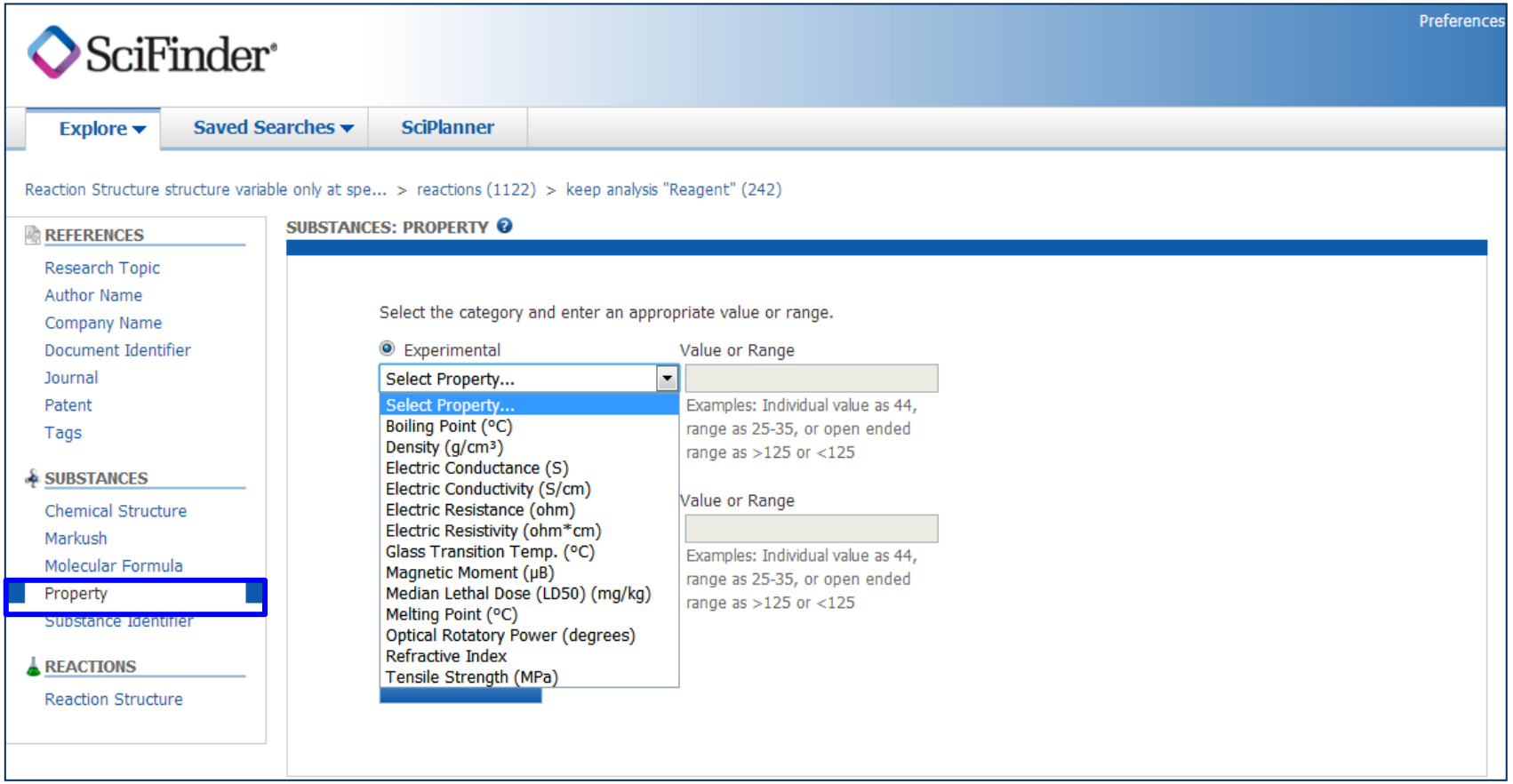
- 功能方面
  - 物质名称，CAS No
  - 分子式
  - 结构式
  - 理化性质
- 推荐的物质检索功能
  - 有机物，天然产物及衍生物 ---结构比较方便
  - 无机物 ---分子式比较方便
  - 高分子化合物 ---首先分子式，其次结构

# 物质名称检索

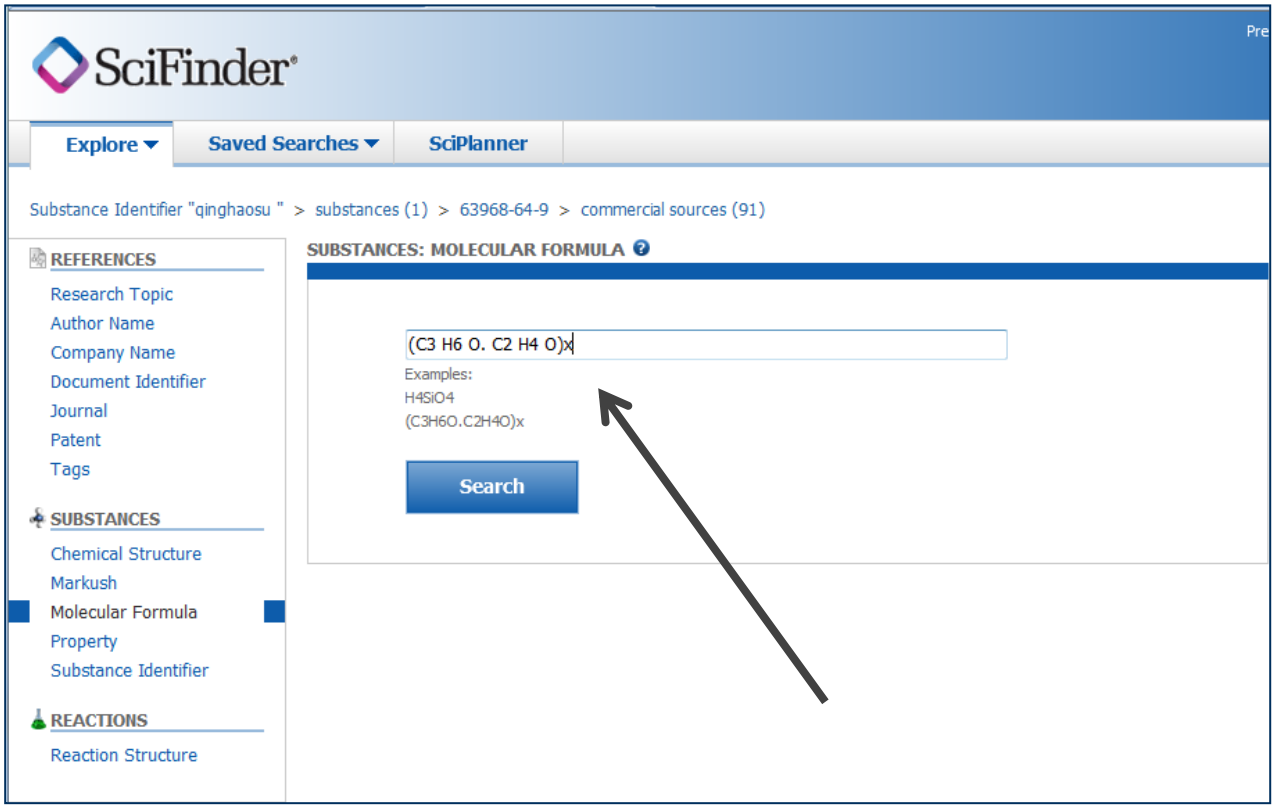



直接输入物质的名称，CAS No，俗名，都能检索，一次最多检索25个物质，用换行换开

# 理化性质检索



# 分子式检索



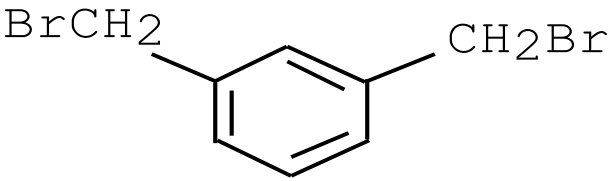

分子式的检索，根据hill排序规则书写，C,H写在前面，其他元素按照字母顺序写

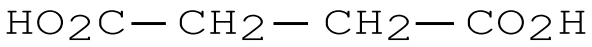
# 分子式检索

- 多组分物质
  - 包含盐，水合物，合金，混合物等
  - 用“.”将不同组分点开
- Hill排序
  - 单一组分物质
    - 对于不含C的物质，按照字母顺序排序
    - 对于含C的物质，CH写在前面，其他的按照字母顺序排列
    - 相邻的两个元素之间必须有区分号，即数字或者空格，倘若数字为1，那么可以用空格来区分
    - 区分大小写
  - 多组分物质
    - 每一组分必须遵照单一组分物质的分子式来书写。
    - 不同组分之间的排序按照各组分的首元素的字母顺序排序，但是含C组分的一定排在不含C的组分前面。
    - 倘若不同组分的首元素相同，则看元素数量多少，数量多的排在前面，若元素数量一样，则按次元素的顺序排列。

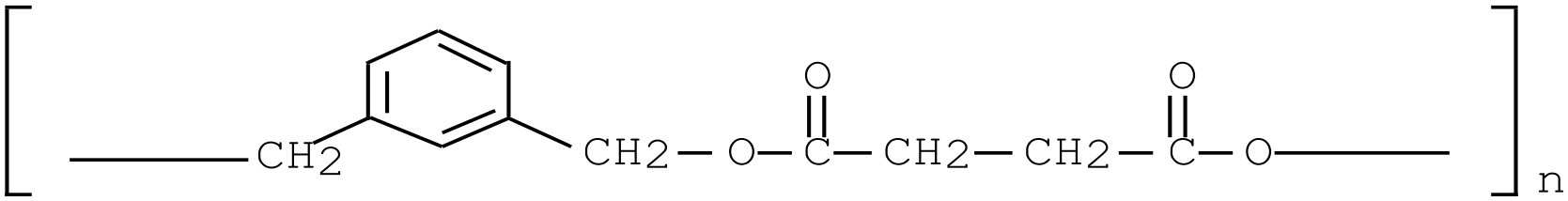
# 聚合物

- 聚合物
  - 用括号，表示聚合物
  - 只知道起始原料的聚合物，X表示
  - 知道最终的SRU片段的，N表示



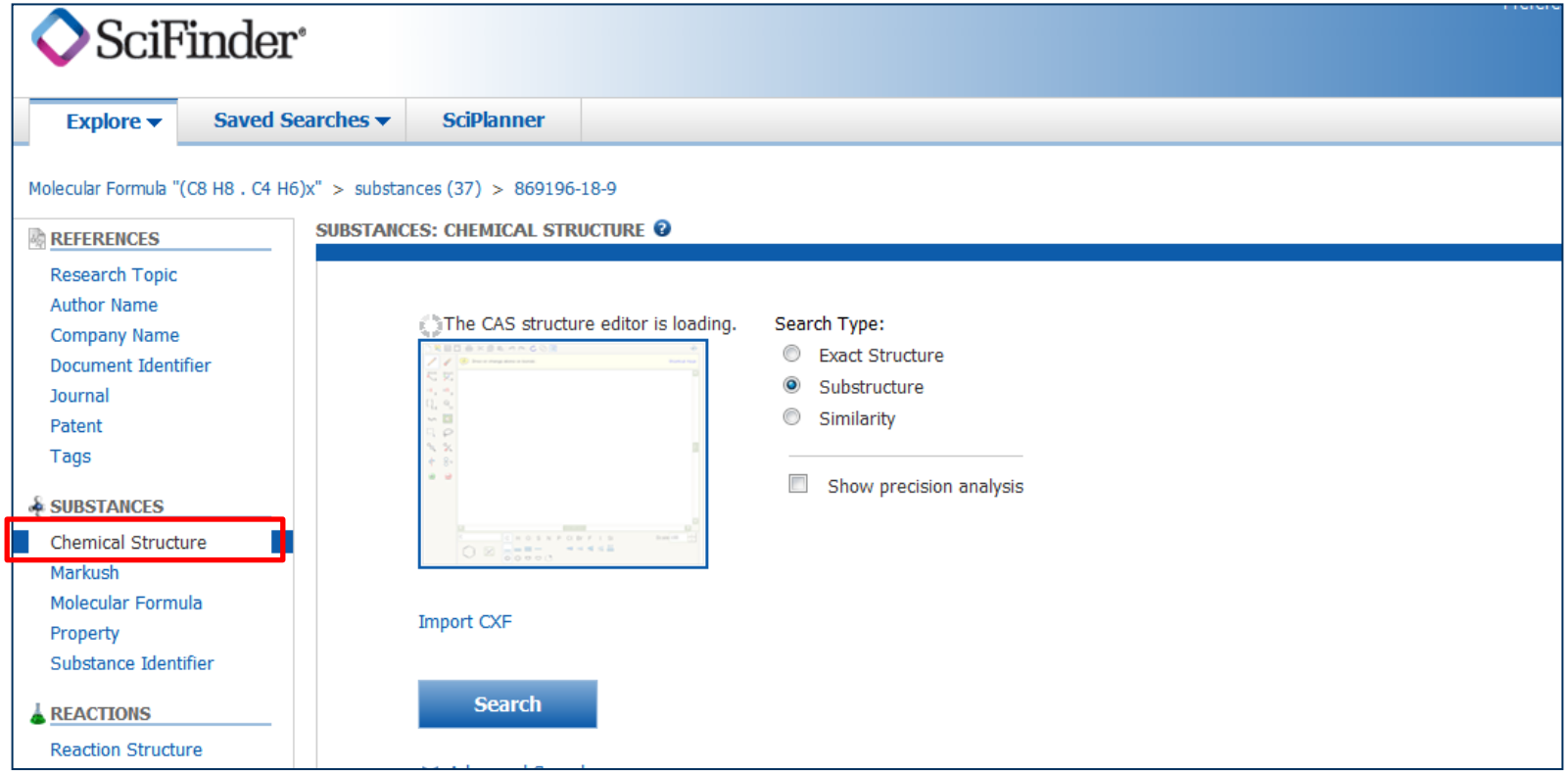




**(C8 H8 Br2 . C4 H6 O4)x**




**(C12 H12 O4)n**

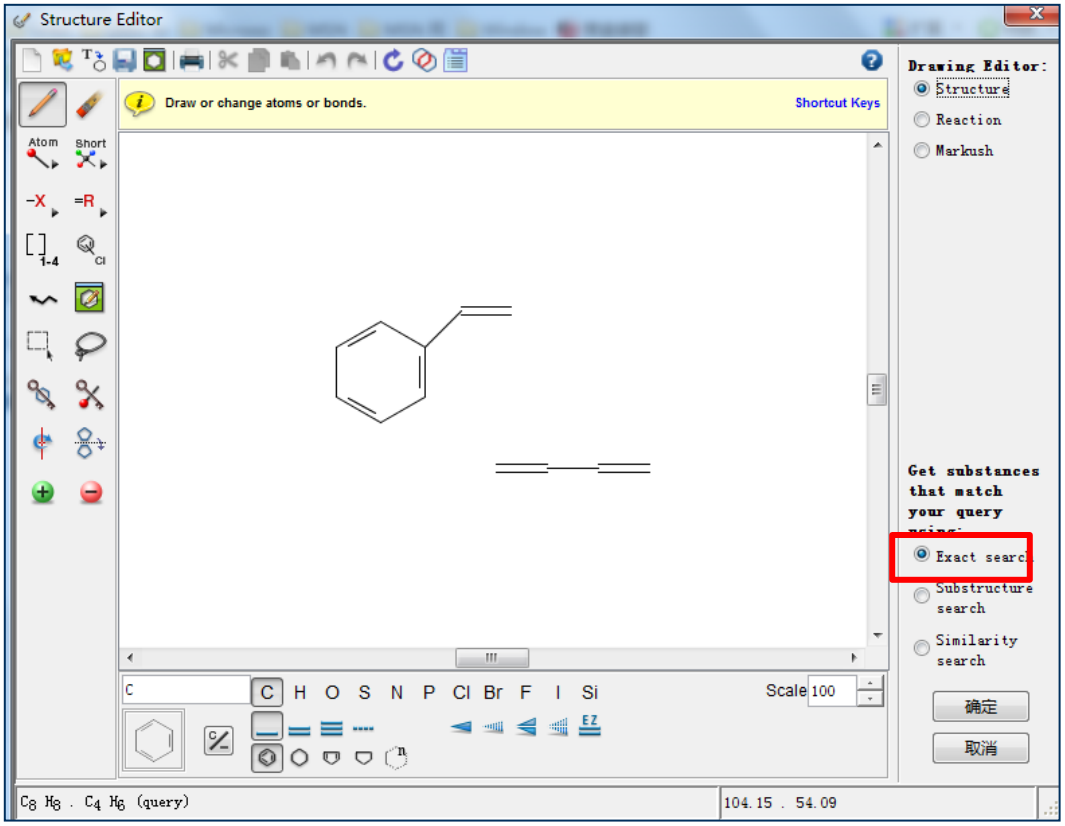
# 结构式检索—精确检索




**需要安装Java插件，才能启动结构面板**

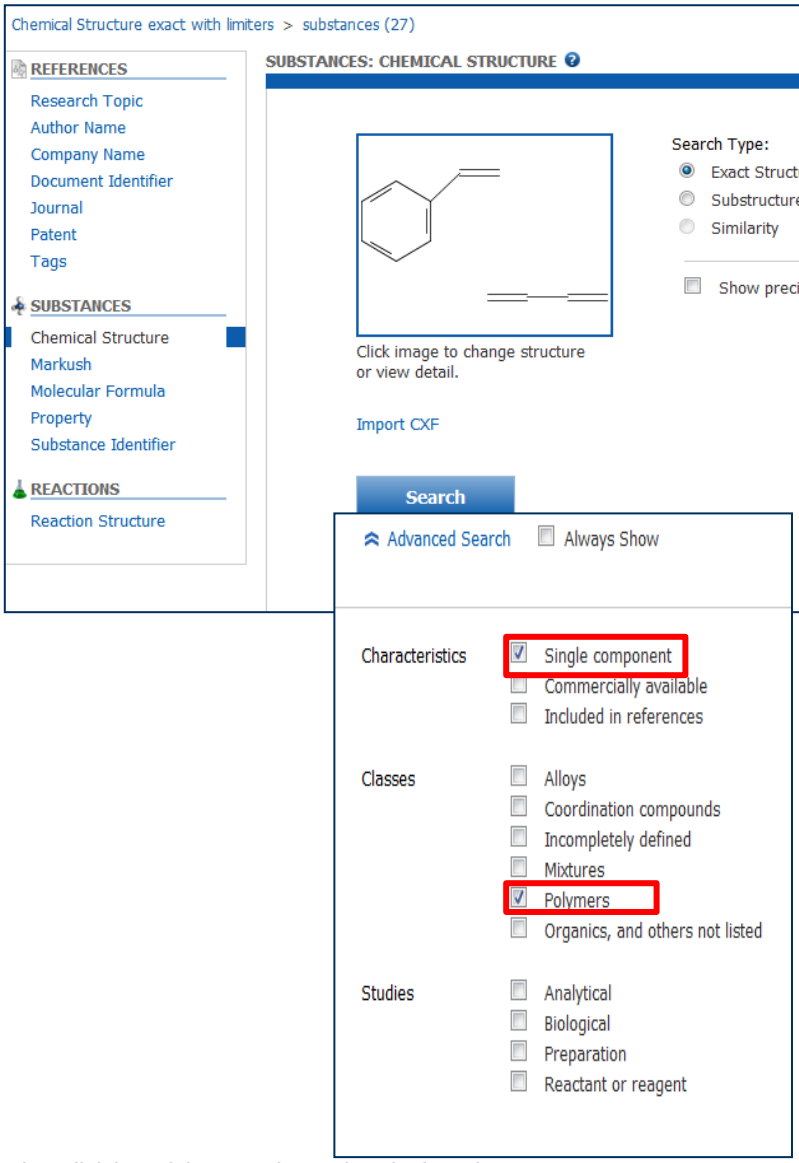
# 知道起始原料的聚合物检索

- 检索由1,3-丁二烯（CH2=CH-CH=CH2）和苯乙烯（C6H5C2H3 ）聚合产生的聚合物
- 只绘制单体，精确结构




使用精确结构检索

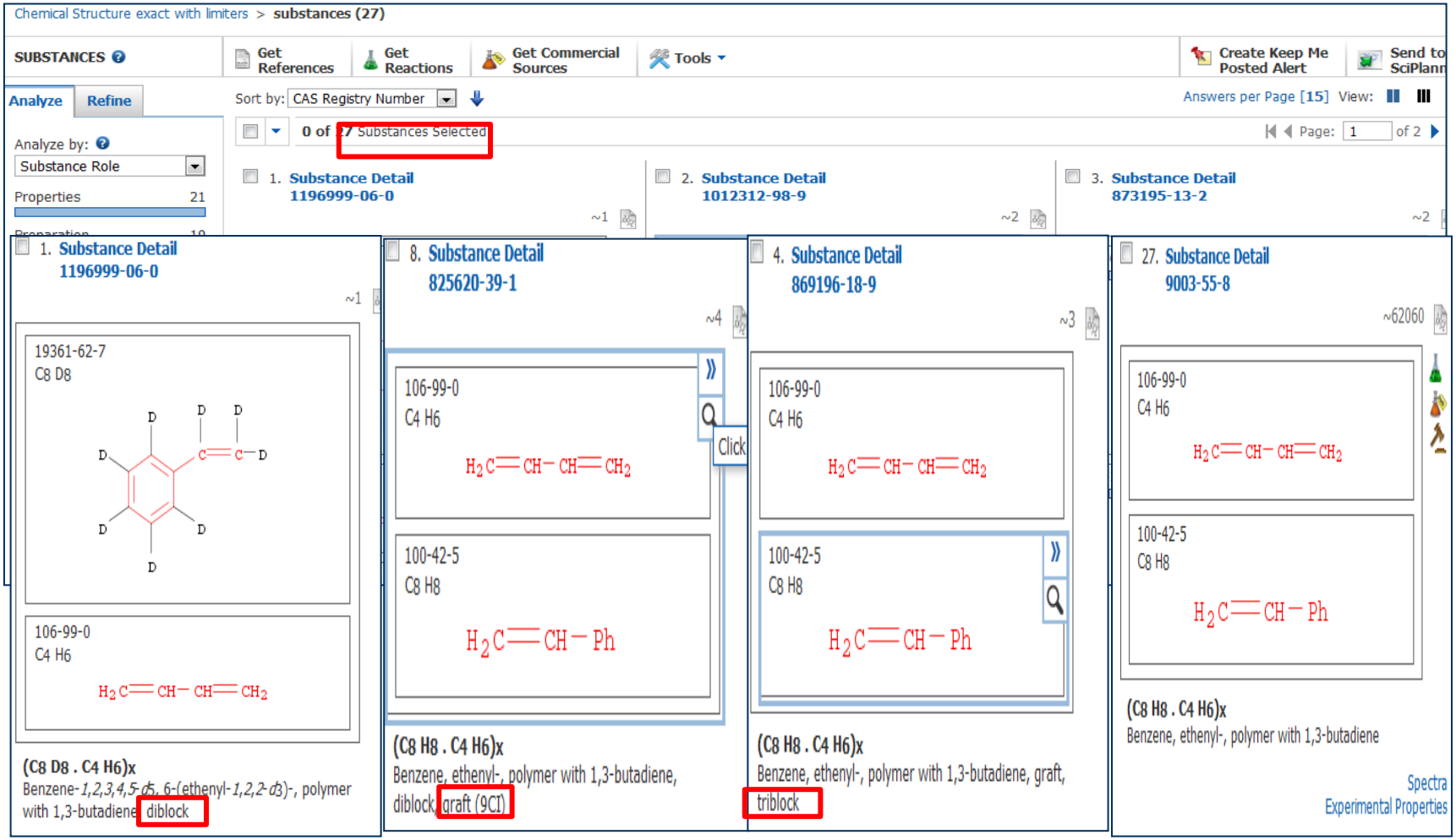
# 结构检索界面




结构检索聚合物需要做的选项：

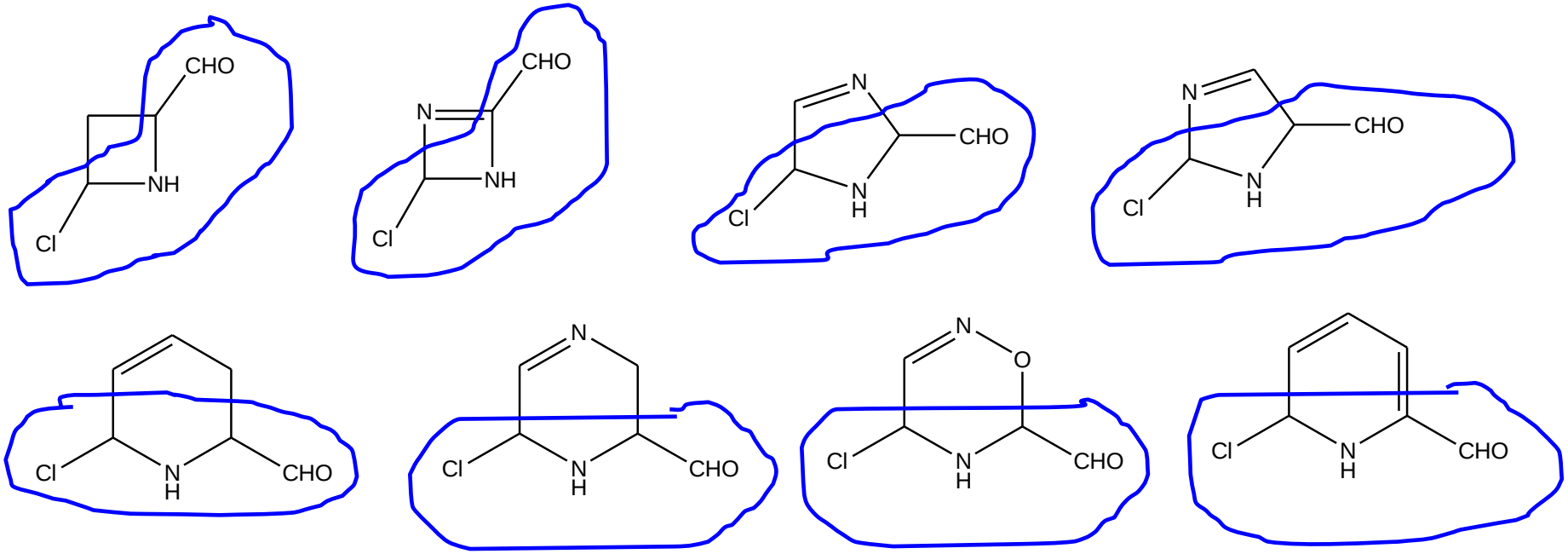
1：单一组分
2：聚合物检索

# 检索结果页面



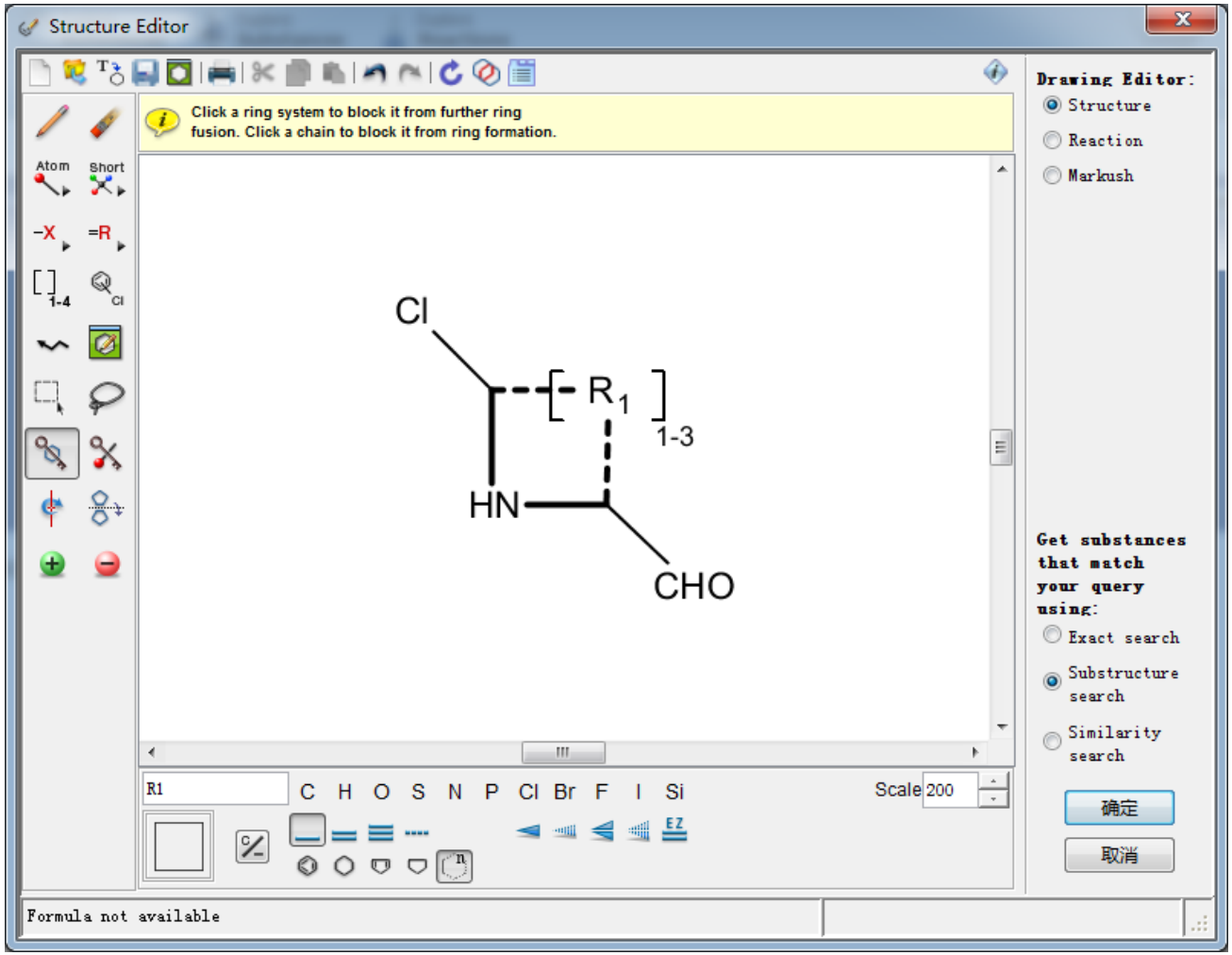

看名字的区别**Triblock，Graft，Diblock，无序**

# 我想获得以下的一系列物质



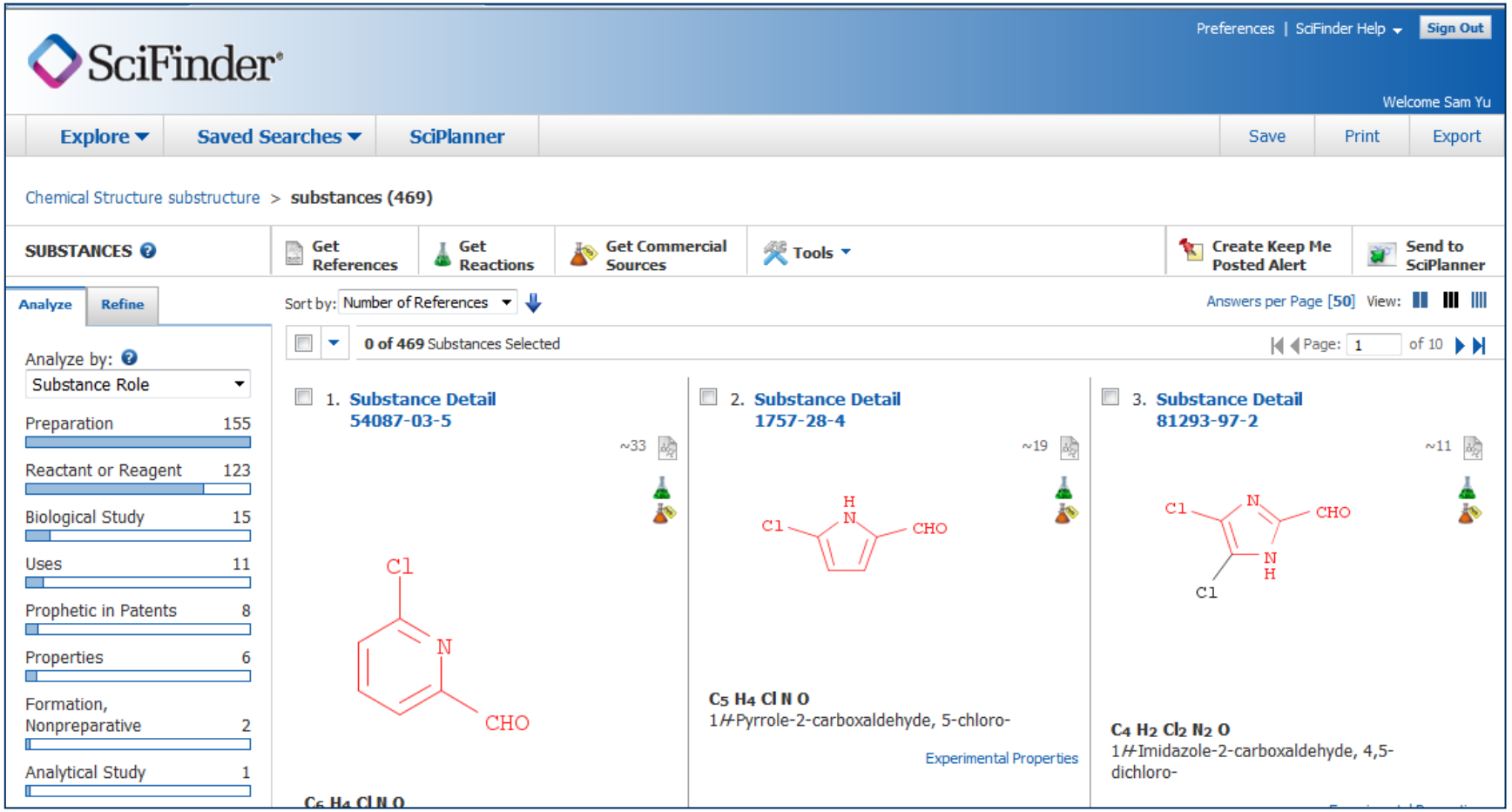

。 。 。 。 。 。

# 结构定义




用亚结构检索获得所有的物质

# 亚结构检索结果



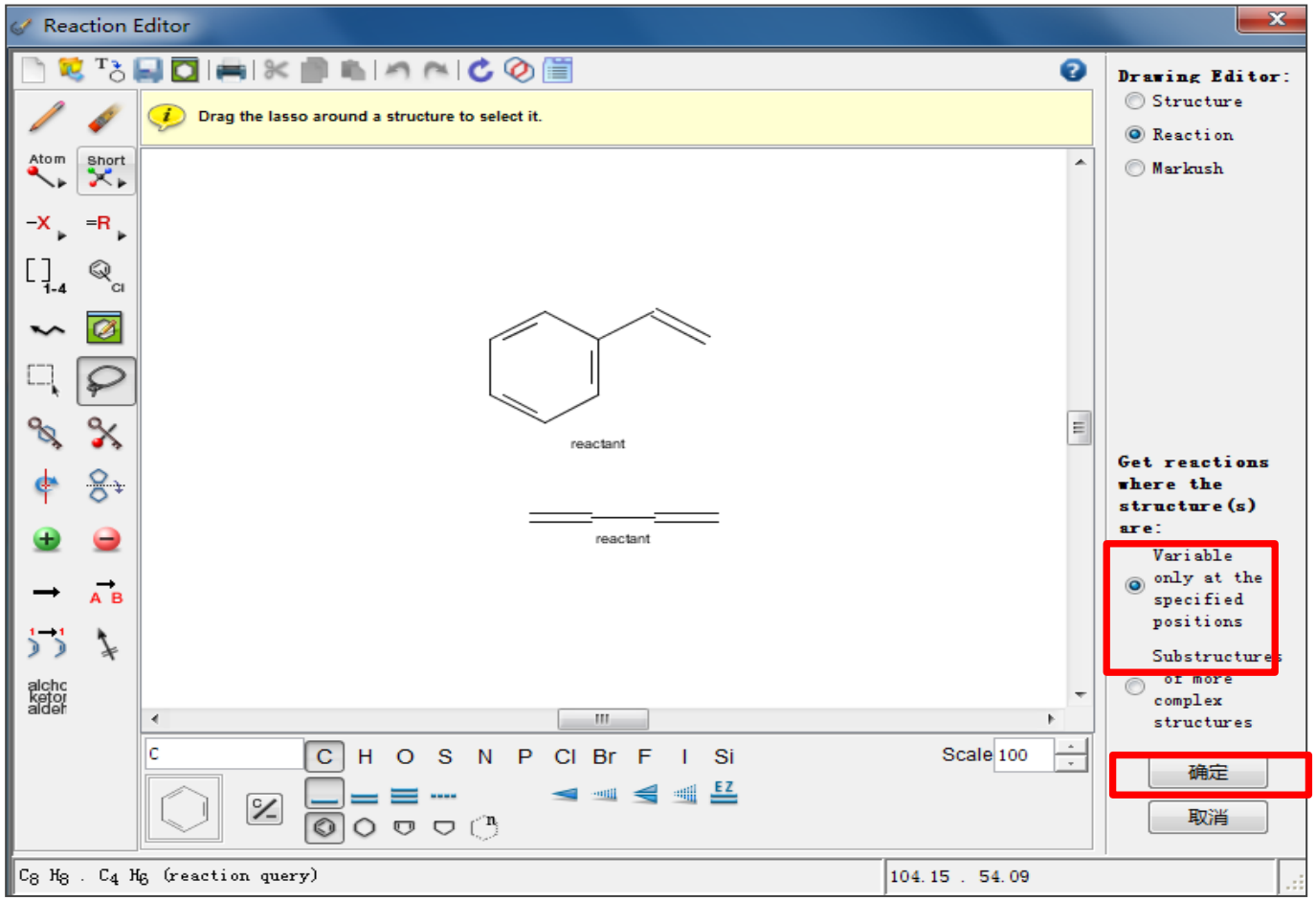
# 提纲

- 介绍
  - SciFinder Web新界面
- **SciFinder Web中的检索**
  - SciFinder中的文献检索
  - SciFinder中的结构面板使用技巧
  - SciFinder中的物质结果及物质检索方法
  - SciFinder中的反应检索
- **SciFinder Web的注册和常见问题**

# 聚合物化学反应检索

聚合反应：

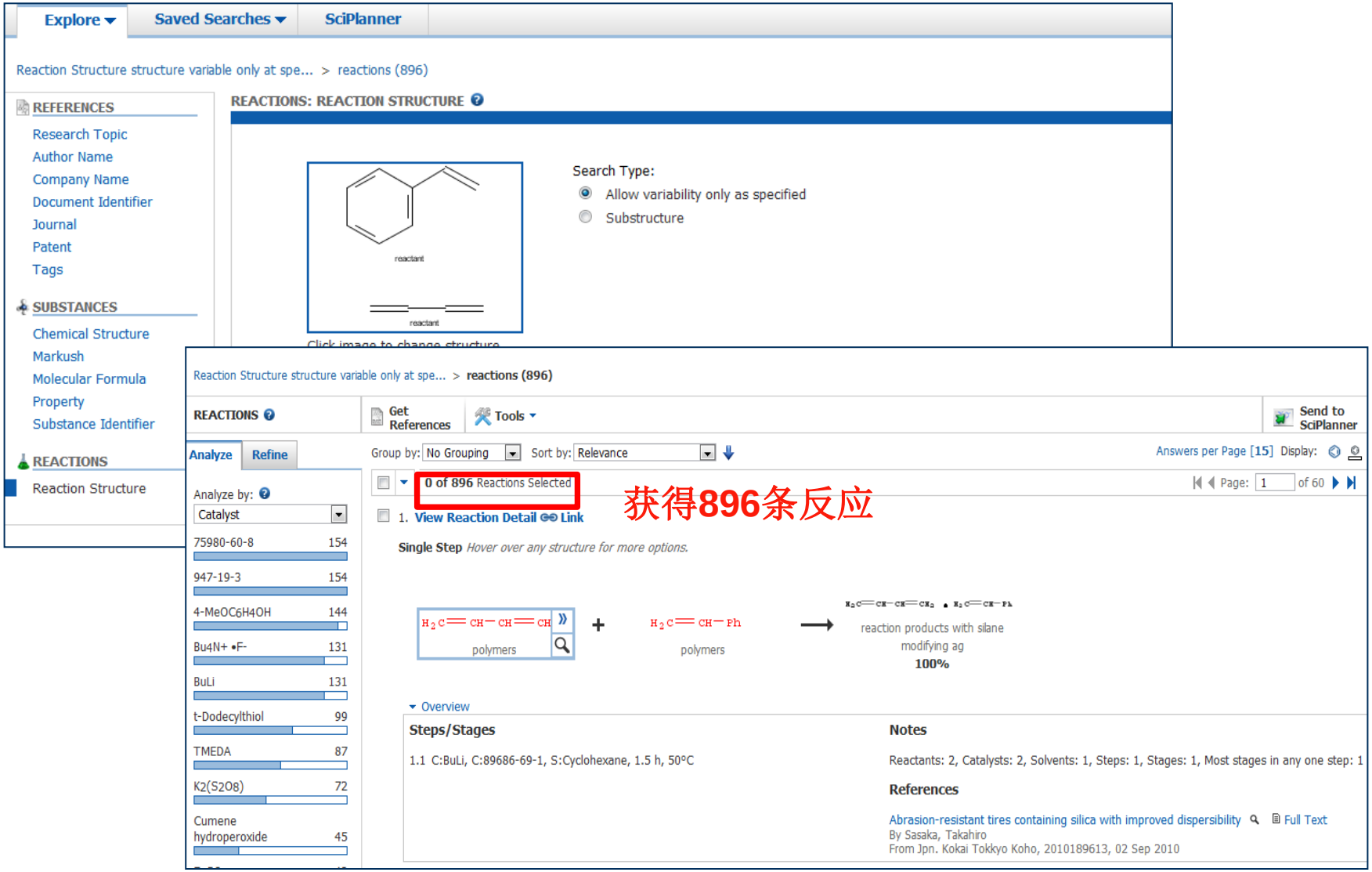
CH2=CH-CH=CH2+C6H5-CH=CH2 ⟶ -[CH2-CH=CH-CH2-CH(C6H5)-CH2]-n



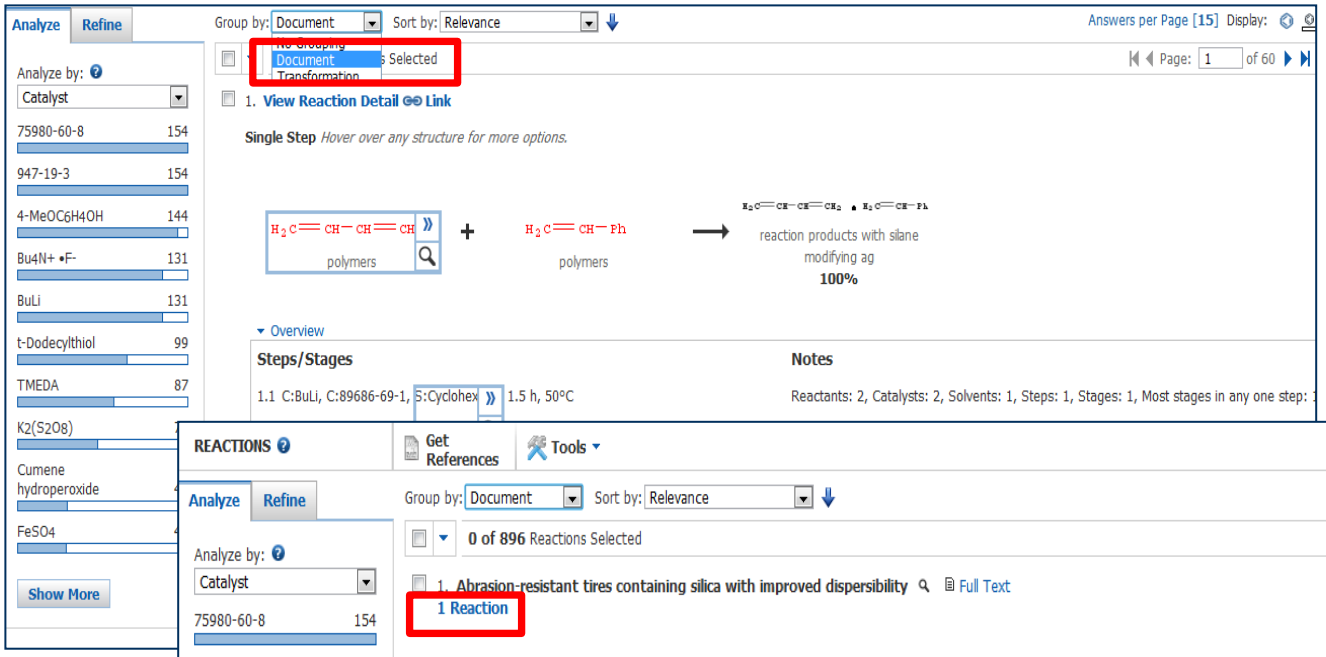

1,变化只适用于指定的结构的位置

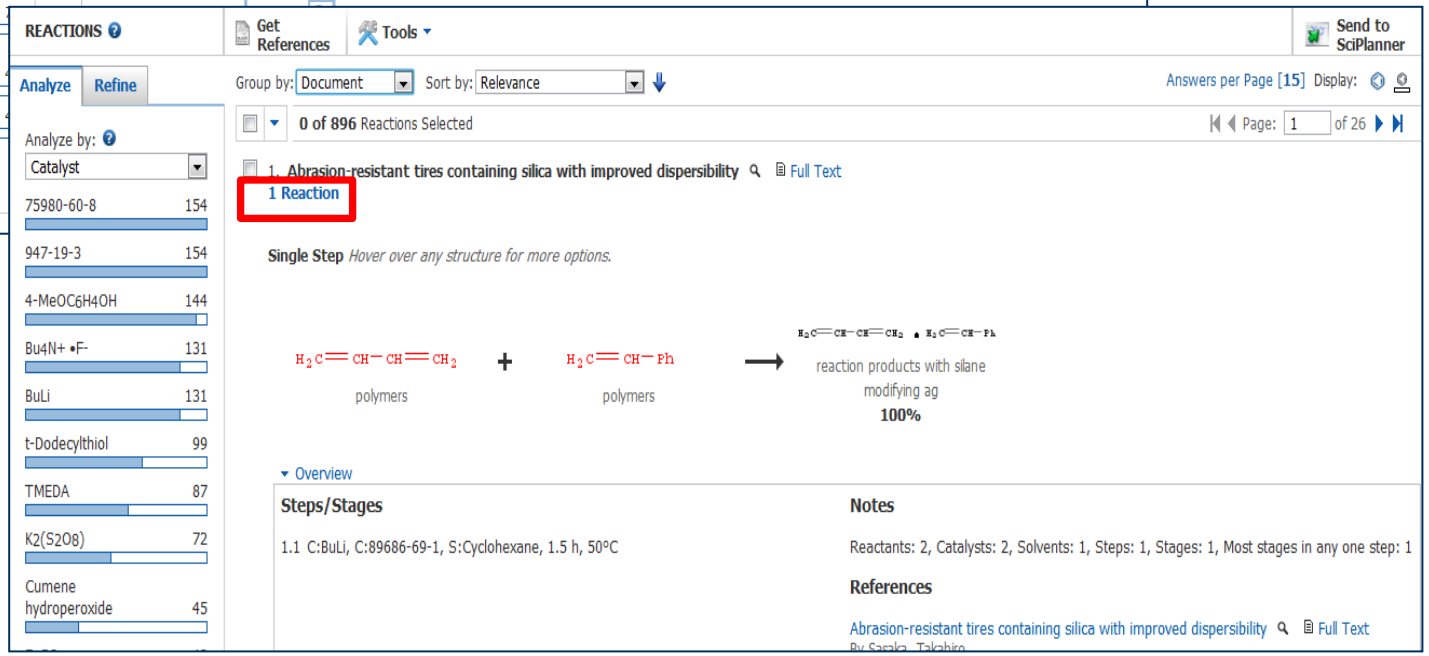
2复杂结构中的亚结构

# 检索页面以及结果



# 按照文献出处分类显示

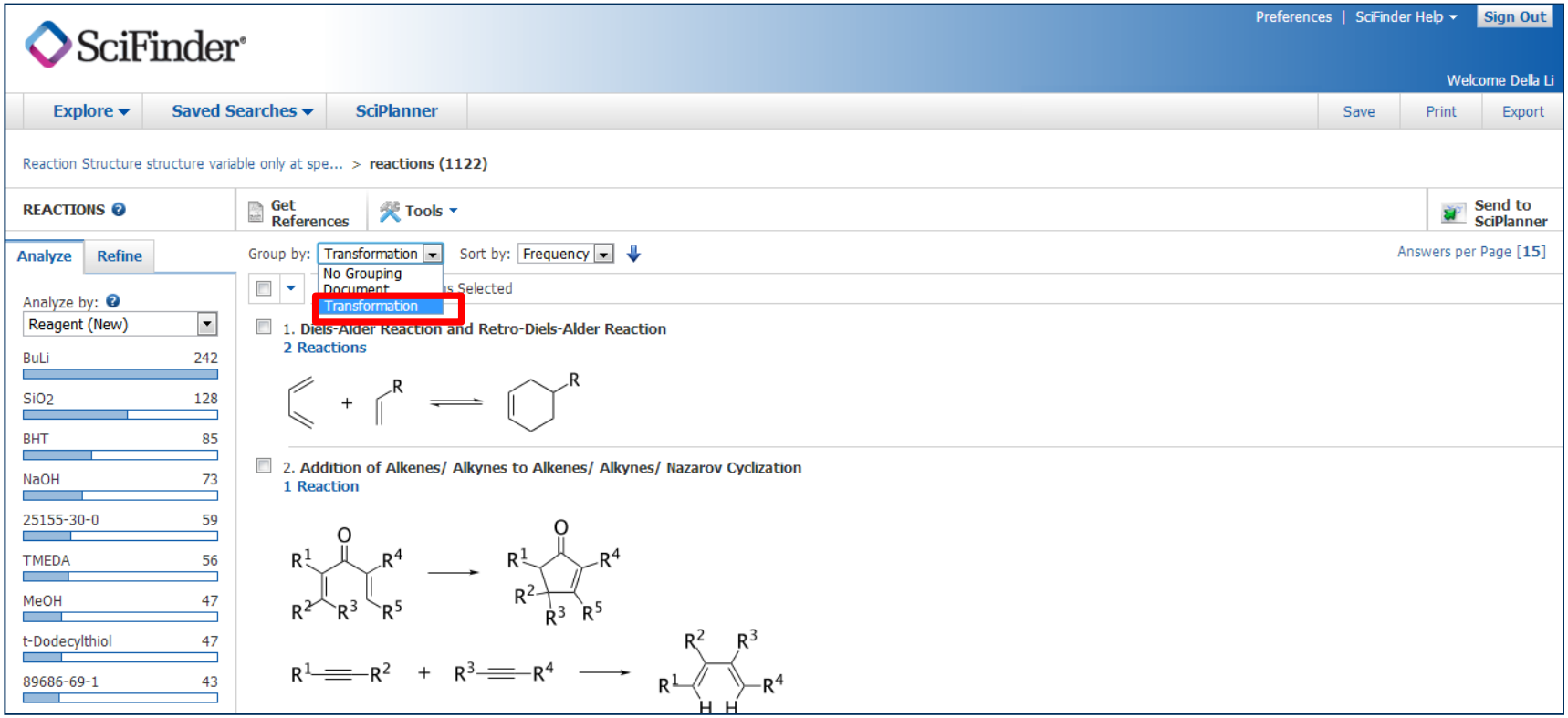



我们获得896条反应

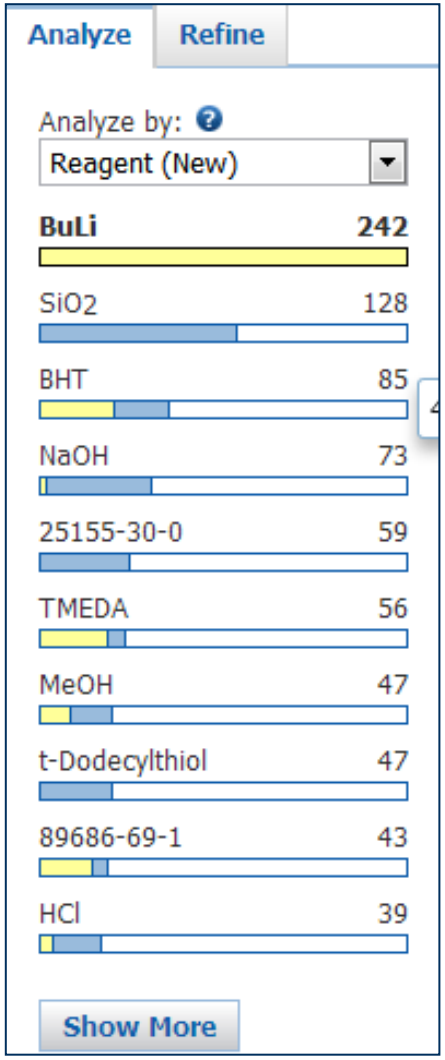
反应筛选的第一步是**Group By Document**，让一篇文献出现一条反应

# 按照反应类型分类显示

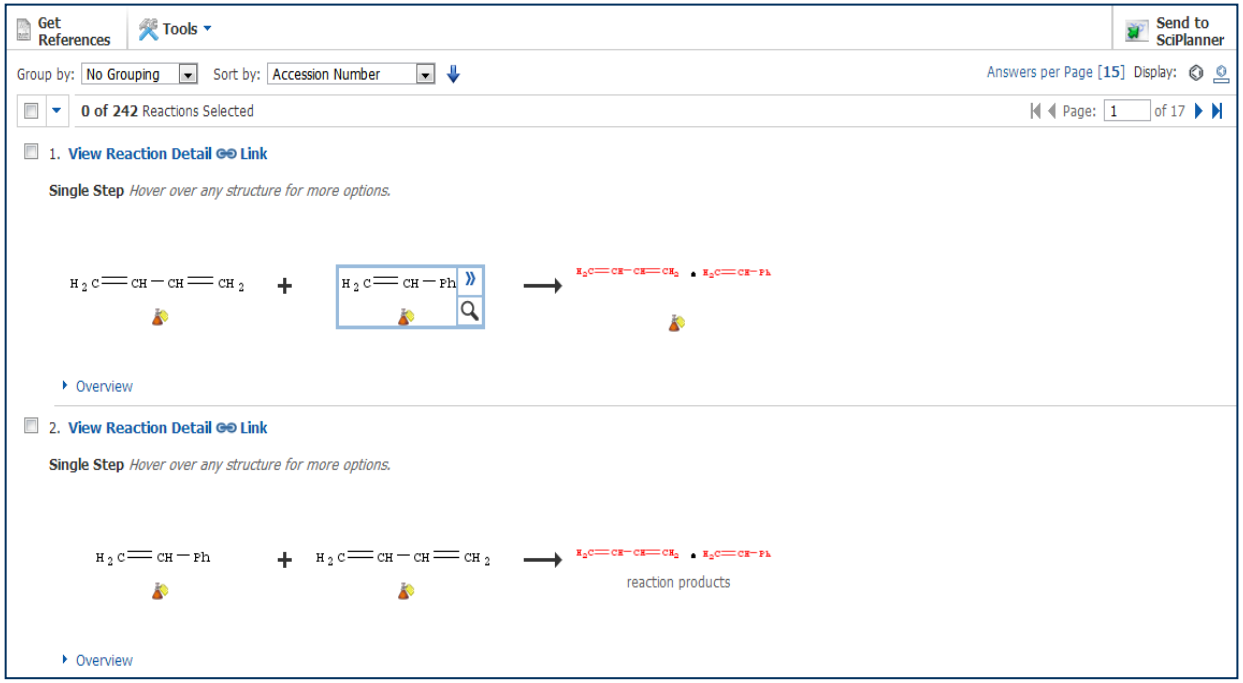



**Transformation 帮助我们判断大部分的研究人员采用哪种合成方法**

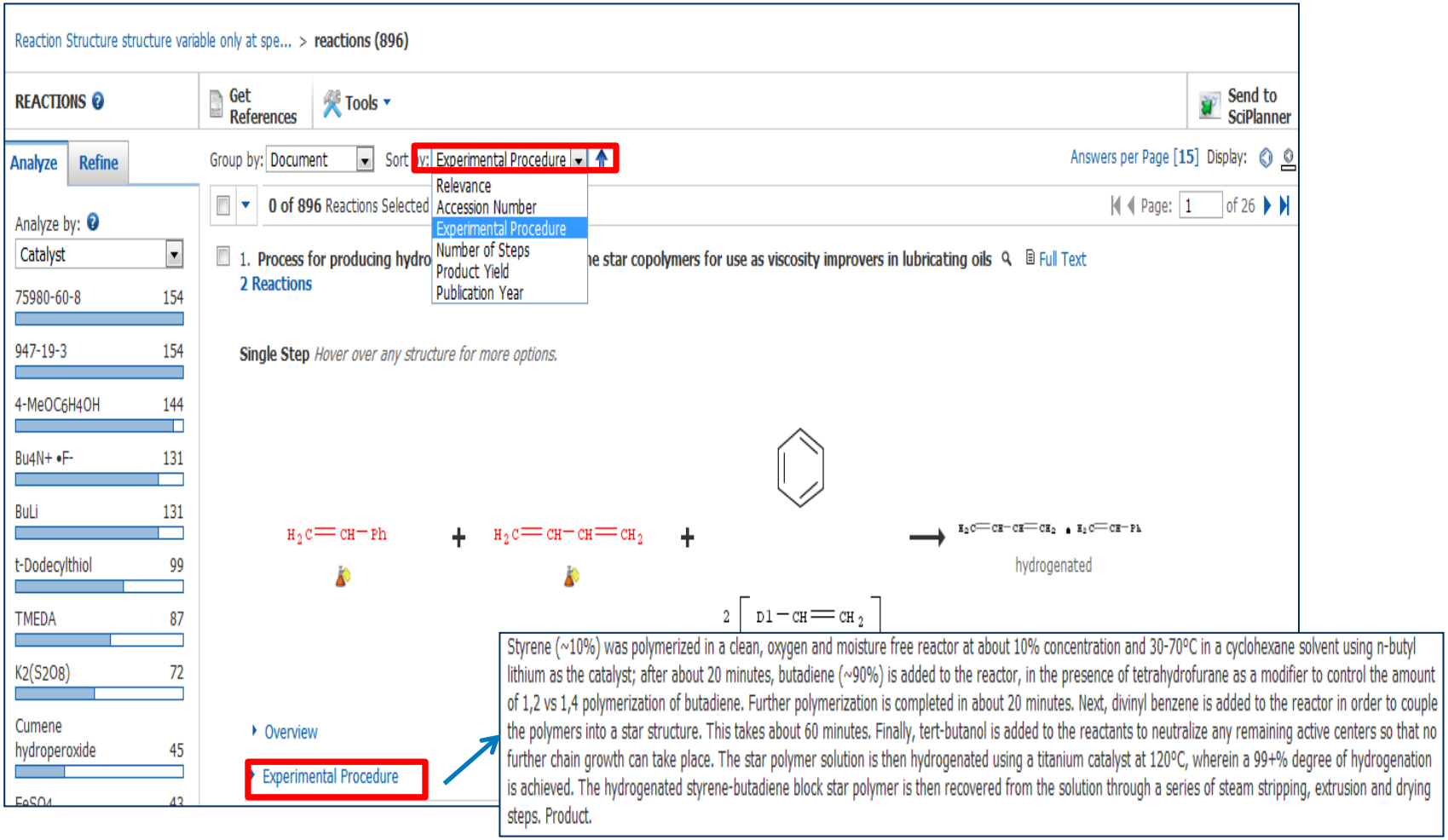
# 按照试剂进行分析




有242篇文献都用的是BuLi这个试剂



# 按照实验过程进行排序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REACTIONS
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Tools
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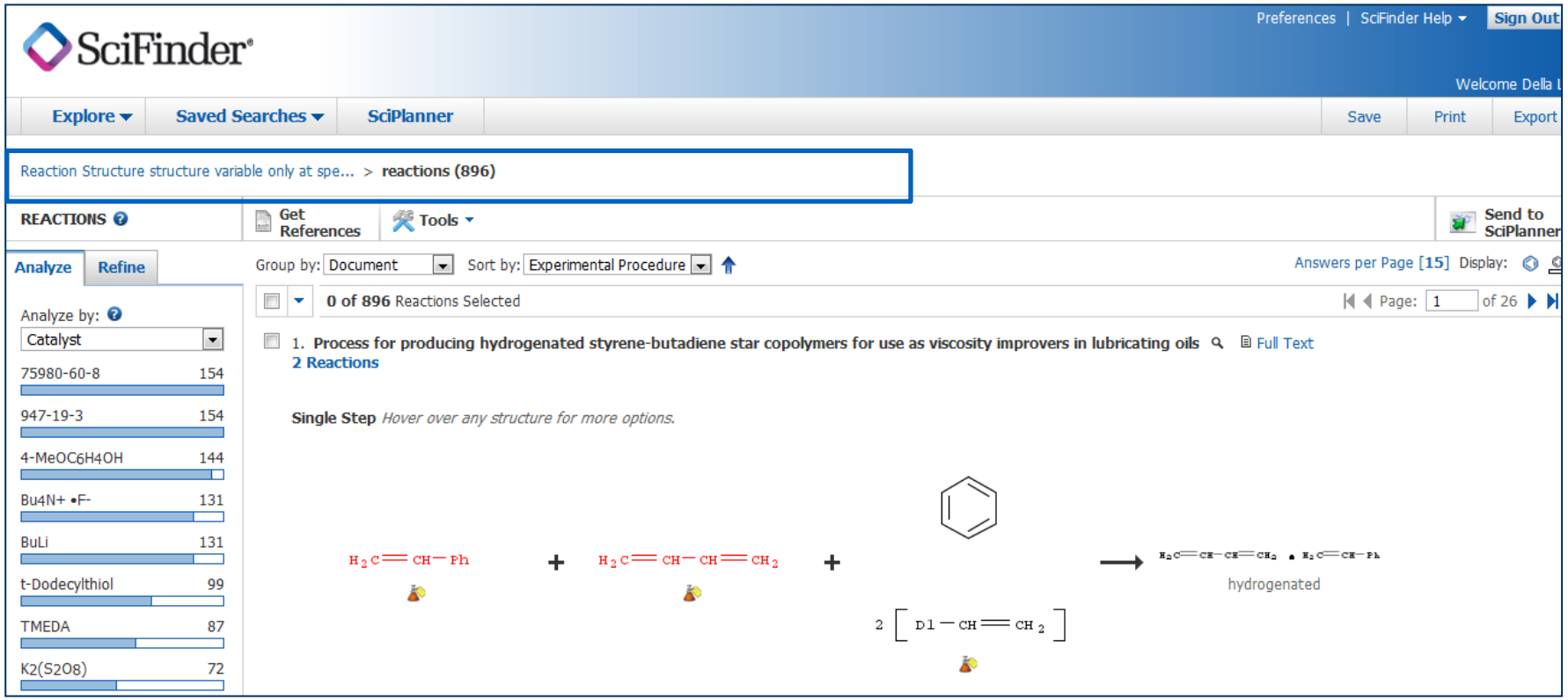
Analyze
Refine
Group by: Document
Sort by: Experimental Procedure
Relevance
Accession Number
Experimental Procedure
Number of Steps
Product Yield
Publication Year
Answers per Page [15] Display:
0 of 896 Reactions Selected
Page: 1 of 26
Analyze by:
Catalyst
75980-60-8 154
947-19-3 154
4-MeOC6H4OH 144
Bu4N+ •F- 131
BuLi 131
t-Dodecylthiol 99
TMEDA 87
K2(S2O8) 72
Cumene hydroperoxide 45
1. Process for producing hydro ne star copolymers for use as viscosity improvers in lubricating oils
Full Text
2 Reactions
Single Step Hover over any structure for more options.
hydrogenated
Overview
Experimental Procedure
Styrene (~10%) was polymerized in a clean, oxygen and moisture free reactor at about 10% concentration and 30-70°C in a cyclohexane solvent using n-butyl lithium as the catalyst; after about 20 minutes, butadiene (~90%) is added to the reactor, in the presence of tetrahydrofurane as a modifier to control the amount of 1,2 vs 1,4 polymerization of butadiene. Further polymerization is completed in about 20 minutes. Next, divinyl benzene is added to the reactor in order to couple the polymers into a star structure. This takes about 60 minutes. Finally, tert-butanol is added to the reactants to neutralize any remaining active centers so that no further chain growth can take place. The star polymer solution is then hydrogenated using a titanium catalyst at 120°C, wherein a 99+% degree of hydrogenation is achieved. The hydrogenated styrene-butadiene block star polymer is then recovered from the solution through a series of steam stripping, extrusion and drying steps. Product.

# 导航条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REACTIONS
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1. Process for producing hydrogenated styrene-butadiene star copolymers for use as viscosity improvers in lubricating oils
Full Text
2 Reactions
Single Step Hover over any structure for more options.
hydrogenated

# 提纲

- 介绍
  - SciFinder Web新界面
- **SciFinder Web中的检索**
  - SciFinder中的文献检索
  - SciFinder中的结构面板使用技巧
  - SciFinder中的物质结果及物质检索方法
  - SciFinder中的反应检索
- **SciFinder Web的注册和常见问题**

# SciFinder Web的注册和登陆

**SciFinder Web的系统要求**

**Windows用户支持IE 7.x或者FireFox 2.x**

**Mac 用户支持 Firefox 和 Safari**

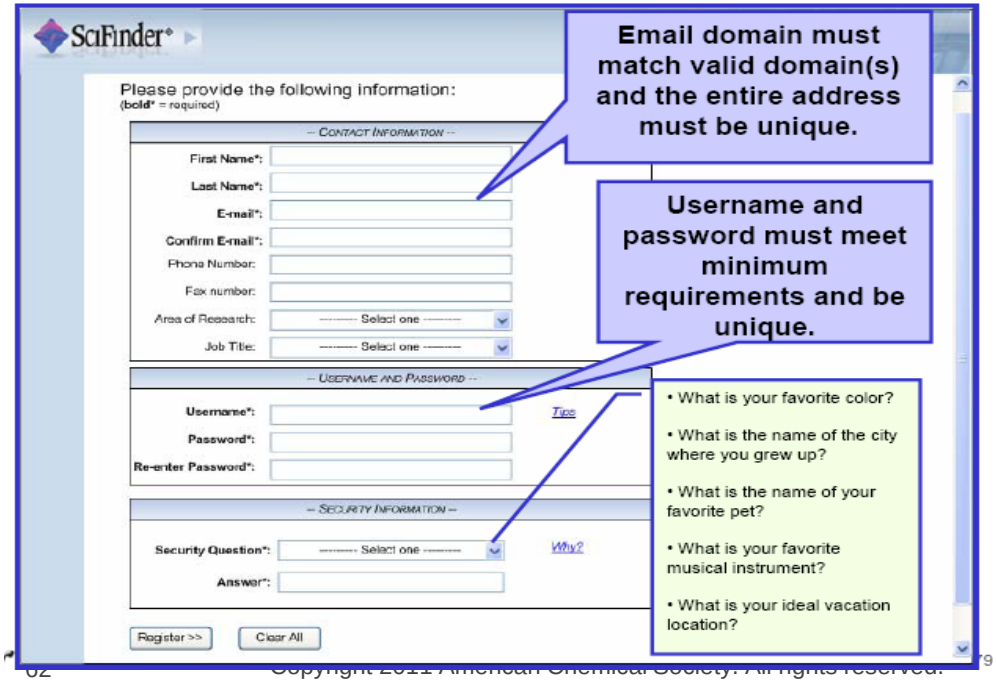
**Java 安装（初次使用结构时自动安装，建议安装Java 6）**

**在图书馆相关页面上找到SciFinder Web注册用的网址**

# 点击URL创建SciFinder Web账号


开始创建SciFinder Web帐号

创建ID所用的IP不能是代理服务器的IP



# 设置用户名及密码注意事项

用户名：

必须是唯一的，且包含 5-15 个字符。它可以只包含字母或字母组合、数字和/或以下特殊字符：

| | |
|---|---|
| -（破折号） | _（下划线) |
| .（句点） | @（表示“at”的符号） |

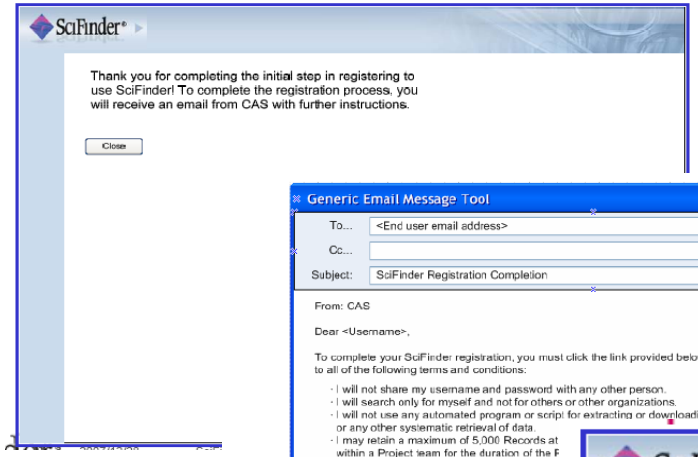
密码：

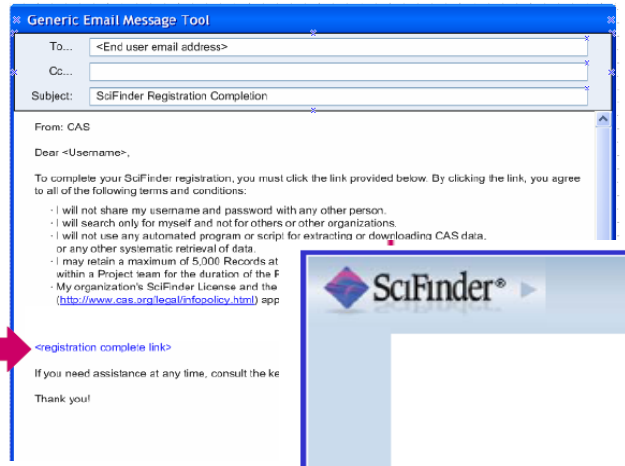
必须包含 7-15 个字符，并且至少包含三个以下字符：

| | |
|---|---|
| 字母 | 混合的大小写字母 |
| 数字 | 非字母数字的字符（例如 @、#、%、&、*） |

密码设置小技巧：
1：不要和账号中有重复的字符
2：密码格式最好是abc@123

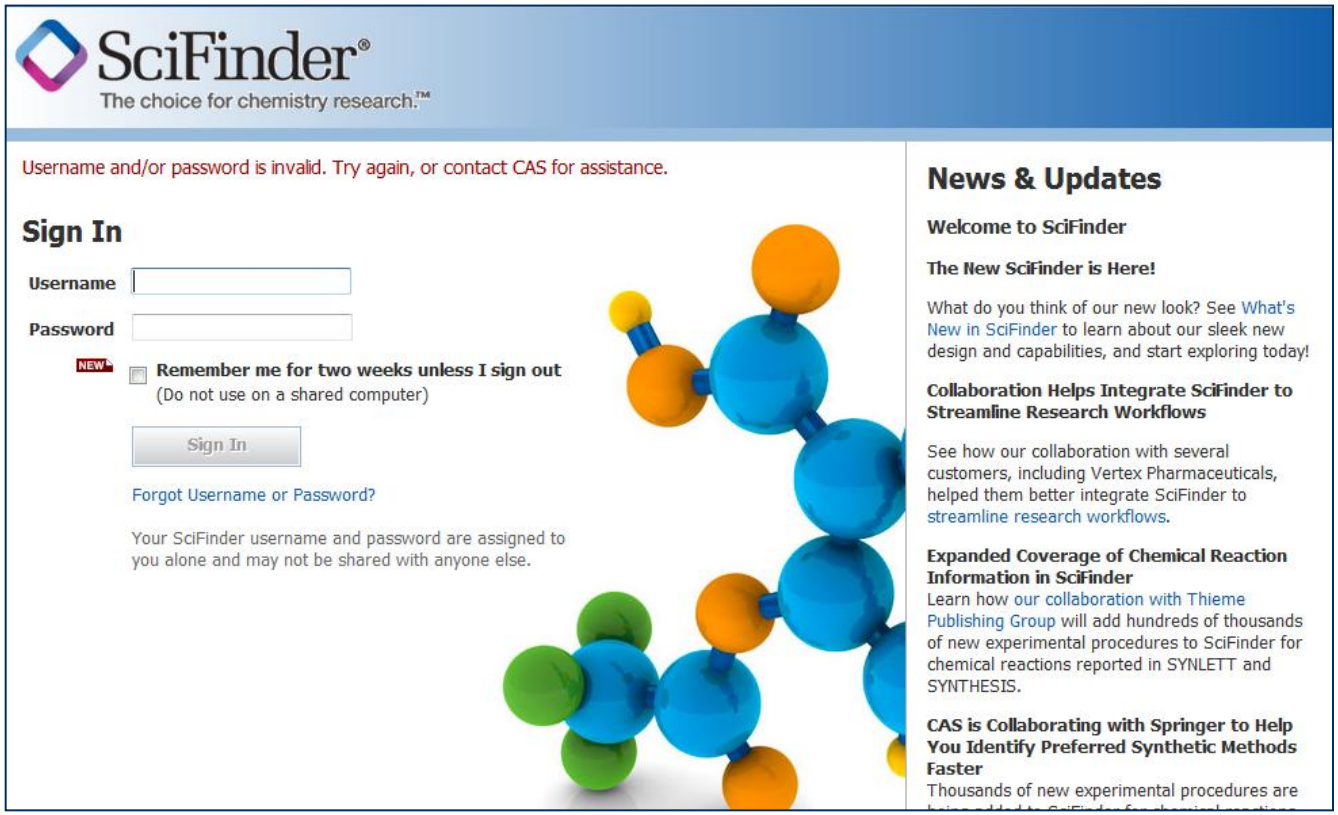
# 对新ID的Email确认




需要点击邮件中的确认链接

# SciFinder Web 常见问题




账号或密码错误，请在**username**处填写，截图，并与图书馆联系

# SciFinder Web 常见问题

任何需要反馈给图书馆的问题，都请点击测试**IP**地址的链接

**http://www.cas.org/cgi-bin/casip**


将页面截图下来，一并发给图书馆

# SciFinder Web网络在线资源平台

**www.igroup.com.cn/cas**


资源下载：**PDF文件**

在线演示：**Flash演示**

网络培训：不定期的网络专题培训

# SciFinder Web使用注意事项

- 禁止过量下载
- 严禁账号分享
- 严禁将账号用于非学术研究

**Comprehensive Content**

**Sophisticated Analysis**

**Unprecedented Results**

***Thank You***

李虹
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Mail：Della@igroup.com.cn
Tel:010-82335058-807