# 化学及相关学科 信息资源概述

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#### 主要内容

- □ 化学及相关学科文献信息源的特点
- □常用专业信息源概览
- □ 信息资源的合理选择
- □ 获取全文
- □ 了解本学科领域高影响力期刊

1. 化学及相关学科文献信息源的特点

#### ①记录内容包含大量化学特有信息

▶题录信息(基本同其他学科信息资源)

标题、责任者、来源、文摘……

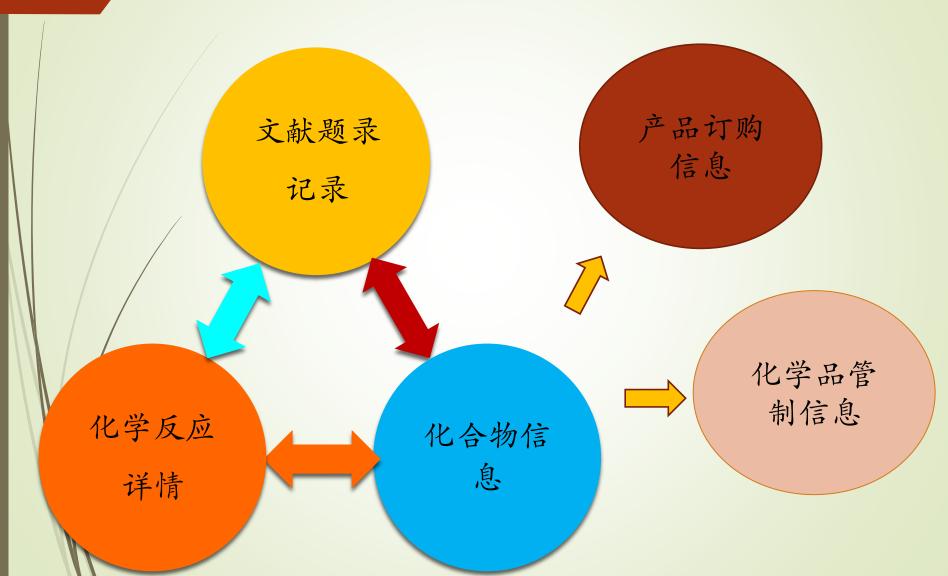
▶反应信息

反应式(步骤、条件、中间体、产率……)、反应条件……

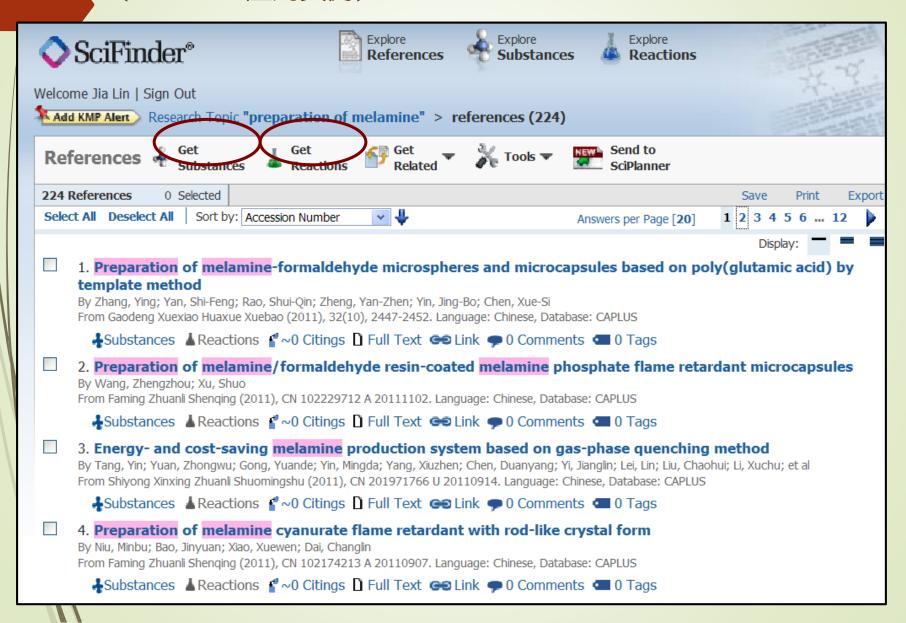
一化合物信息

结构式、名称(系统命名、商品名、俗名、 药品名……)、代码(CASRN……)、物 理、化学、药理学、生物性质、商业信息 及化学品管制信息

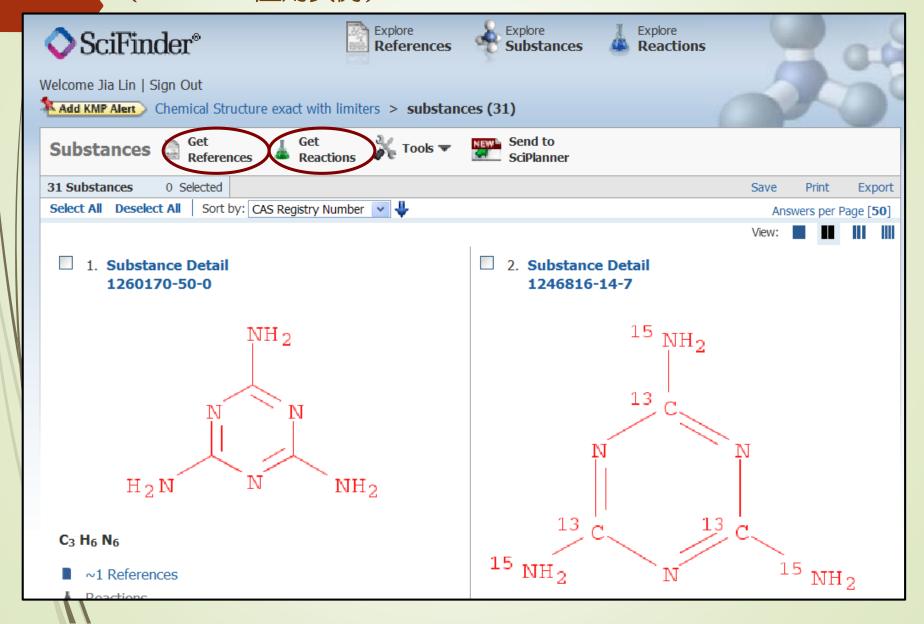
### ②文献信息、化合物、反应之间无缝链接



#### ②文献信息、化合物、反应之间无缝链接 (SciFinder应用实例)

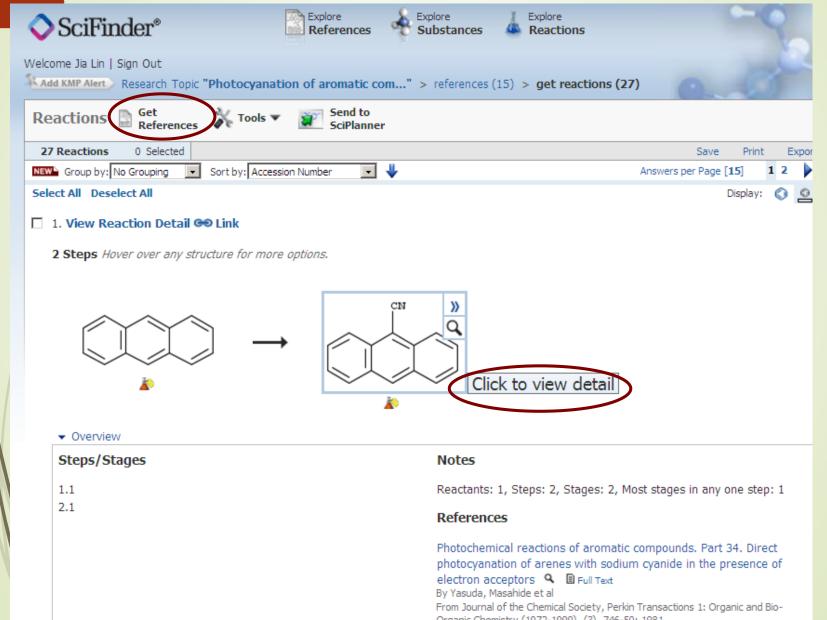


#### ②文献信息、化合物、反应之间无缝链接 (SciFinder应用实例)



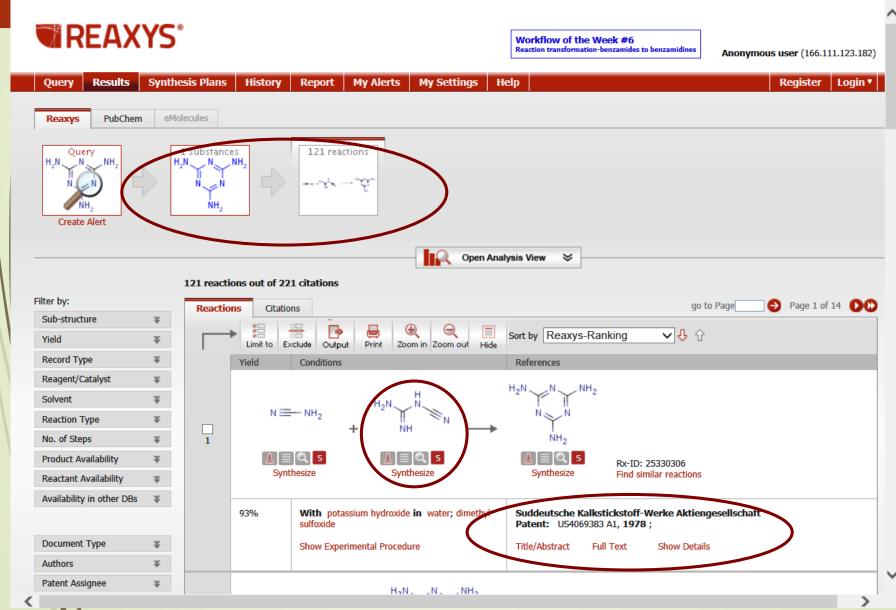
### ②文献信息、化合物、反应之间无缝链接

(SciFinder应用实例)

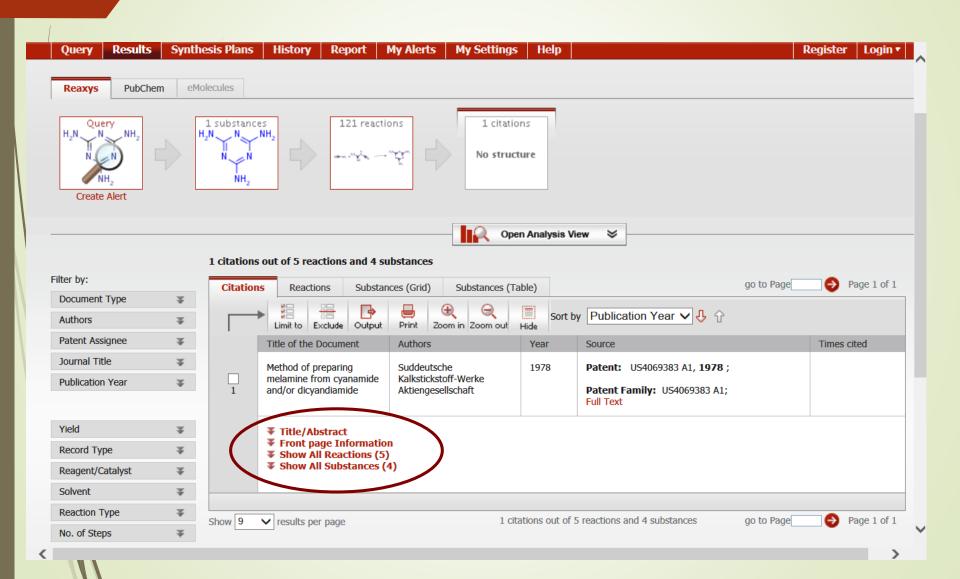


#### ②文献信息、化合物、反应之间无缝链接

(Reaxys应用实例)



#### ②文献信息、化合物、反应之间无缝链接 (Reaxys应用实例)

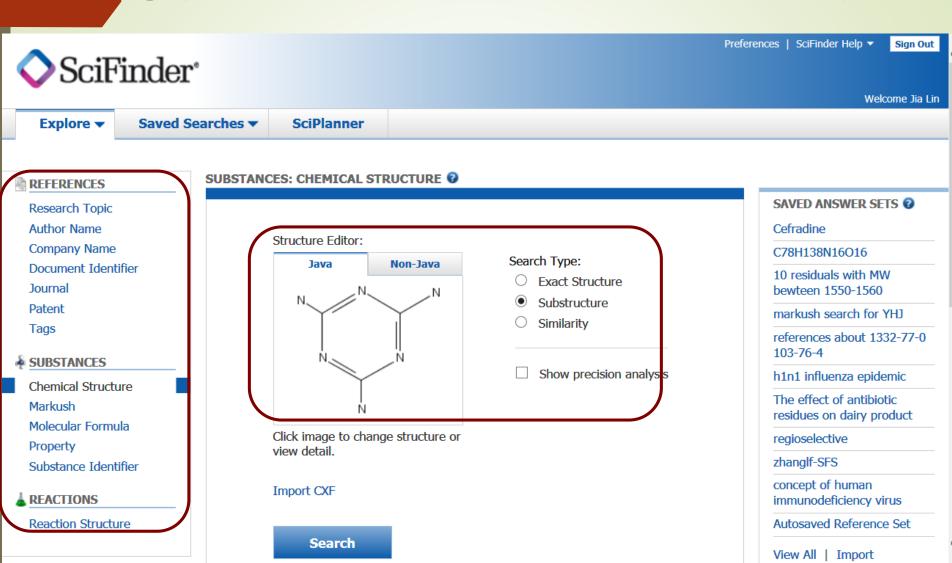


#### ③丰富实用的检索途径、检索字段和检索限定

- 书目信息(基本同其他学科信息资源) 主题、人名、来源……
- 反应信息反应式(完整/部分)、反应条件、产率、
  - 反应步骤……
- 化合物信息结构式、名称、代码、物理化学性质

不同数据库有各自不同的检索字段,检索时可辅以多种限定条件

### ③丰富实用的检索途径、检索字段和检索限定



<

### ③丰富实用的检索途径、检索字段和检索限定

		Solvents
Characteristics	☐ Single component ☐ Commercially available ☐ Included in references	Non-parti Functiona Number o
Classes	<ul> <li>□ Alloys</li> <li>□ Coordination compounds</li> <li>□ Incompletely defined</li> <li>□ Mixtures</li> <li>□ Polymers</li> <li>□ Organics, and others not listed</li> </ul>	Classificat
Studies	<ul><li>□ Analytical</li><li>□ Biological</li><li>□ Preparation</li><li>□ Reactant or reagent</li></ul>	Sources

Solvents	➤ Select Solvents			
Non-participating Functional Groups	Select Groups			
Number of Steps	Examples: 1, 1-3, 1-, -3			
Classifications	□ Biotransformation       □ Non-catalyzed         □ Catalyzed       □ Photochemical         □ Chemoselective       □ Radiochemical         □ Combinatorial       □ Regioselective         □ Electrochemical       □ Stereoselective         □ Gas-phase			
Sources	<ul><li>Any source</li><li>Patents only</li><li>Sources other than patents</li></ul>			
Publication Years	Examples: 1995, 1995-1999, 1995-, -1995			

化合物限定

化学反应限定

## 2. 常用专业信息源概览

#### 常用专业信息源

- ► SciFinder——可检索研究进展及化学反应和化合物信息
- Reaxys——包含丰富的数值、事实等化学信息
- **DII之Chemicals**——专利信息数据库
- ► ACS Publications/RSC Publishing——两大化学学会的电子出版物
- ► Knovel-Chemistry & Chemical Engineering——交互式参 考工具
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#### 统一平台上的多个数据库

- **CAPLUS** (reference)
- **MEDLINE** (reference)
- **REGISTRY** (substance)
- **CASREACT** (reaction)
- **CHEMLIST** (regulated chemicals)
- **■MARPAT** (patents by Markush structure)



#### 检索模式和检索途径

#### 根据已有线索和检索目的选择模式和途径

检索模	<b>)</b>	检索途径	对象数据库	记录内容
		Research Topic		●文献标题
		Author Name		<ul><li>●著者、编者、发明人</li><li>●机构名称、专利受让人</li></ul>
		Company Name		●出版年
Referenc	ces	Document	CAplus	●来源、出版物名称、出版时间、出版者、卷、期、页码、CODEN 码和 ISSN
(查找文献)	Identifier	MEDLINE ●专利标识,包括专利授权、申请、优及专利族信息	●专利标识,包括专利授权、申请、优先权、	
	Journal			
	Patent		<ul><li>●文摘</li><li>●索引标题及补充术语</li></ul>	
		Tags		●引文 ●原文中涉及的化合物、序列和反应



检索模式	检索途径	对象数据库	记录内容
Substances (查化合物)	Chemical Structure Molecular Formula Markush Property	REGISTRY	<ul> <li>化学名称</li> <li>CAS 登记号</li> <li>分子式</li> <li>结构图示</li> <li>序列信息,包括 GenBank® 和专利文献中的注解</li> <li>数据性质,包括光谱谱图</li> <li>商业来源信息</li> <li>化学品管制信息</li> <li>编者注解</li> </ul>
	Identifier		<ul><li>涉及对象化合物的文献信息</li><li>对象化合物参与的化学反应信息</li></ul>
Reactions (查反应)	Reaction Structure	CASREACT	<ul> <li>反应图示,包括反应物、产物、试剂、催化剂、溶剂、以及反应步骤</li> <li>涉及对象反应的文献信息</li> <li>参与反应的所有化合物信息,包括化学品管制信息、商业来源信息等</li> </ul>

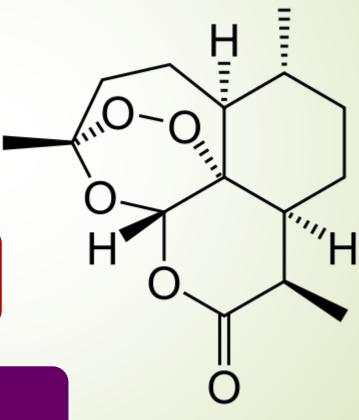
#### 检索实例

2015生理或医 学诺奖

屠呦呦

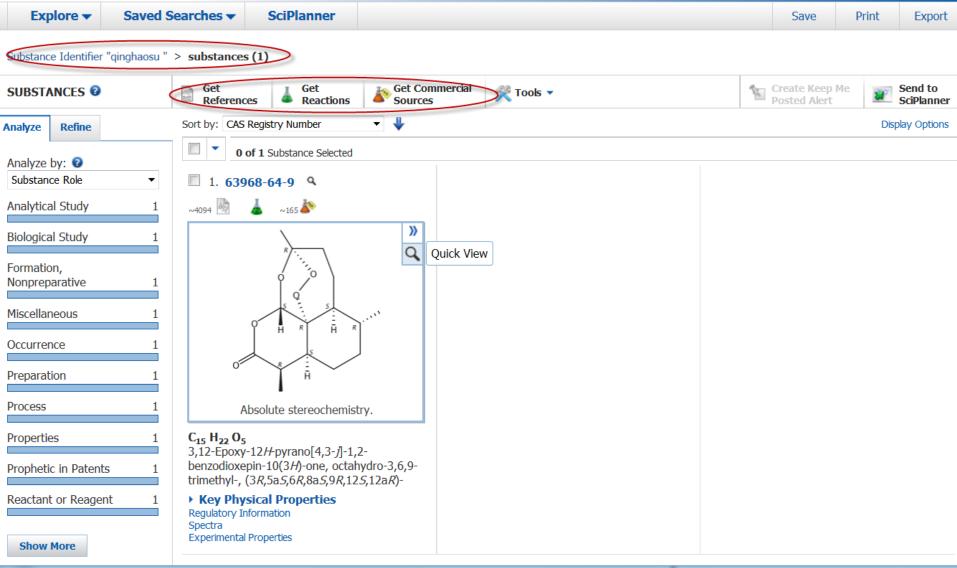
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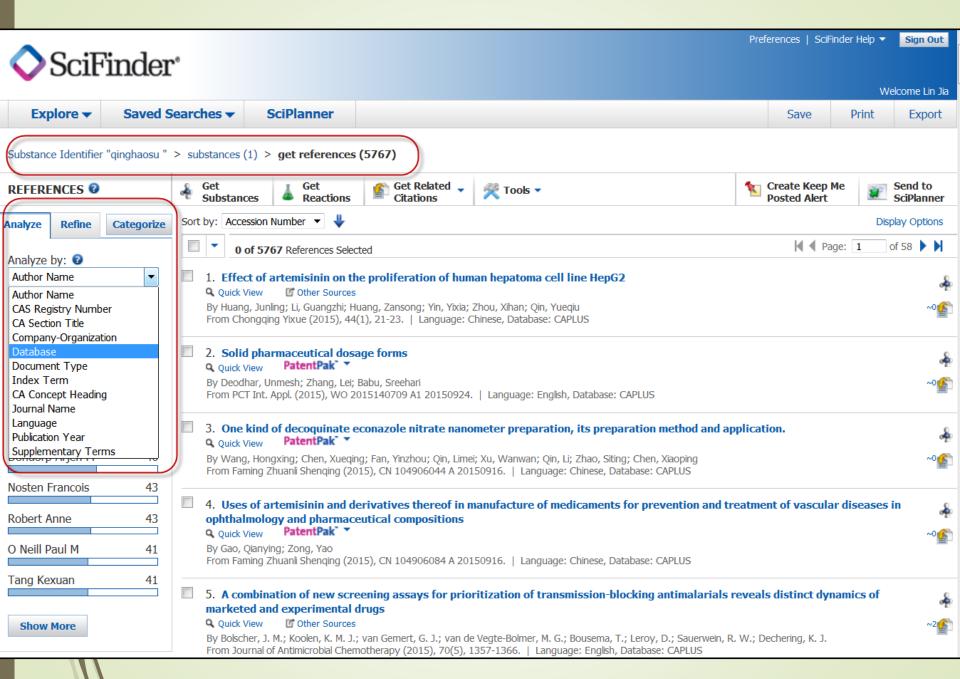
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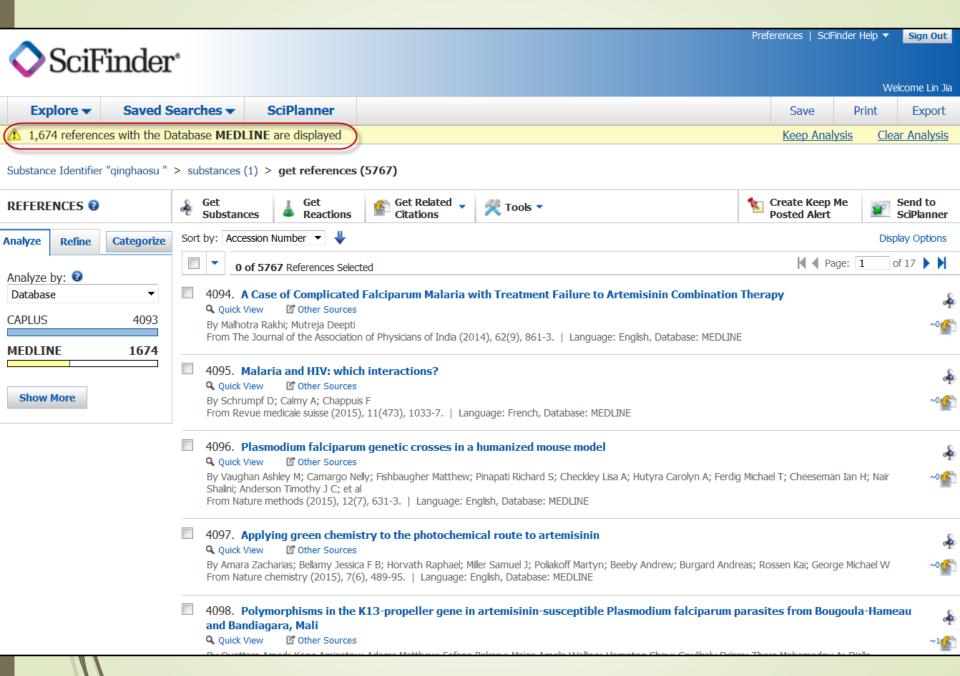


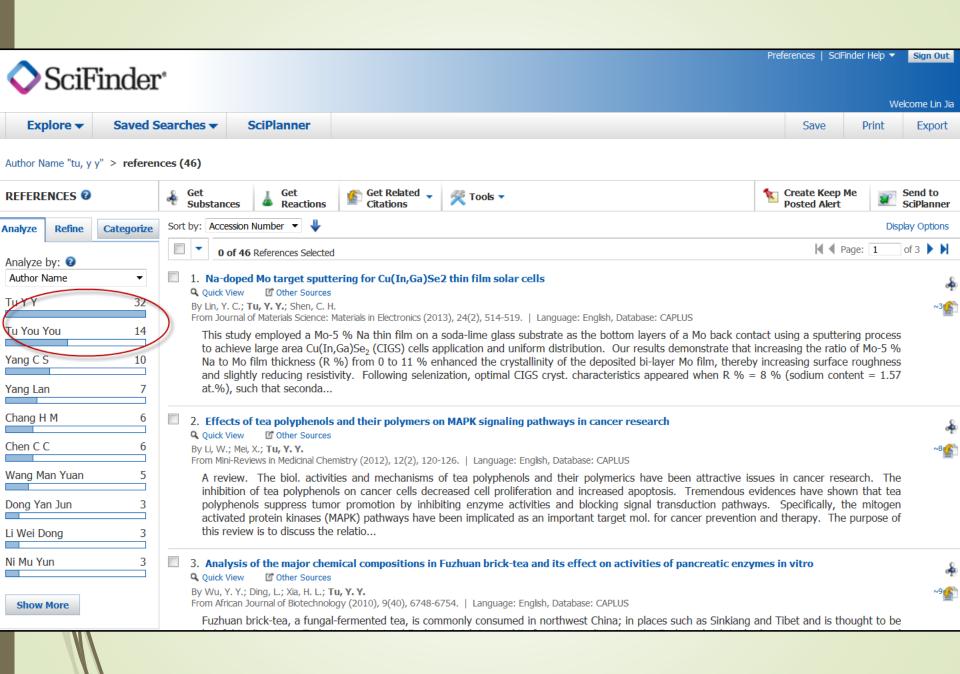
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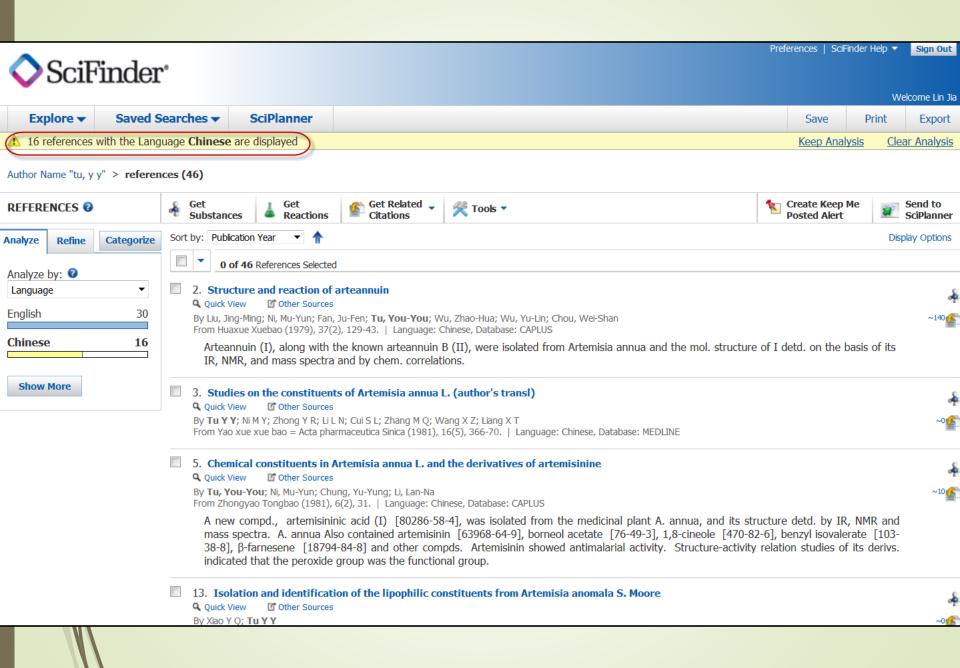




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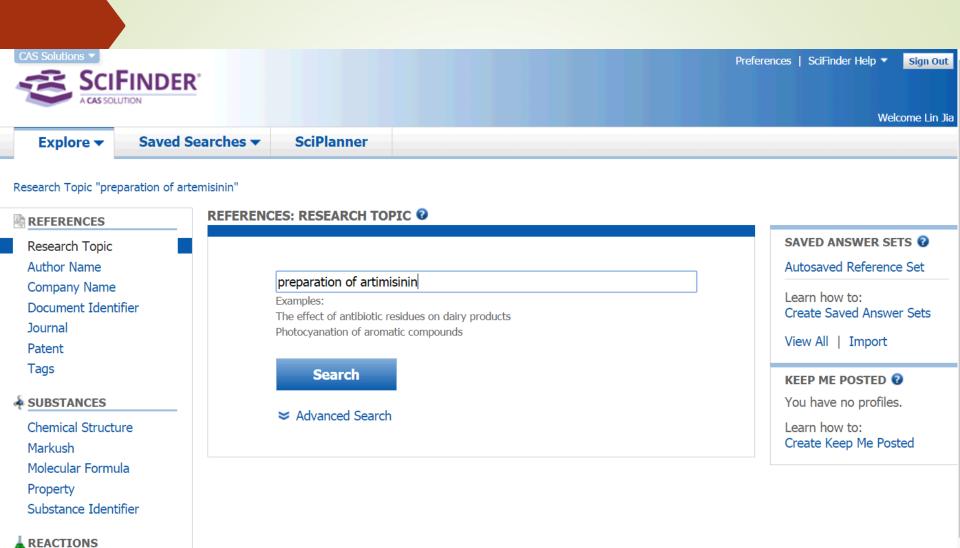


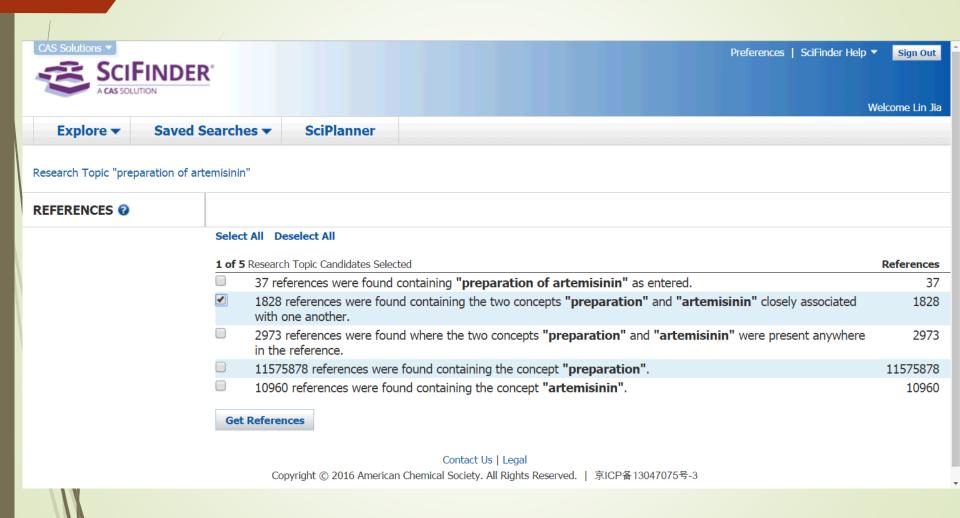




#### 20151007截屏

Reaction Structure





#### entering a phrase or sentence in English

- Specify several concepts using plain English.
- ◆ Include prepositions and articles to connect the concepts.
- ♠ Place acronyms or synonyms in parentheses after the synonymous concept.
- ◆ Use "not" or "except" to exclude a particular term.

Note: SciFinder automatically searches related terms and considers alternate spellings and word endings when retrieving results.

- intramolecular hydroamination of aminoalkenes
- reaction kinetics of oxyphosphoranes with alcohols
- ▶ I am interested in the milk production of cows

(检索时系统自动匹配bovines/calf/cattle)

● human immunodeficiency virus (检索时系统自动匹配HIV)

#### 检索方法(Research Topic)——实例

关于青蒿素制备方法 preparation of artemisinin

义子"鸡蛋中大环内酯类抗生素残余物分析"的研究

Analyses of macrolide antibiotic residues in eggs

· 关于"禽流感病毒"的研究 bird flu virus

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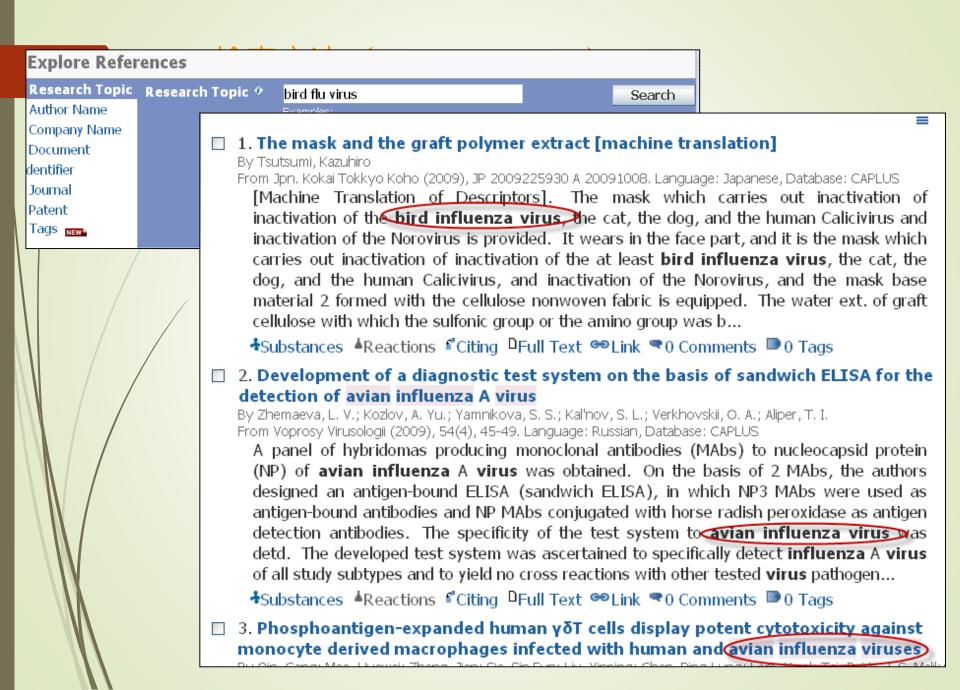
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Research Topic "Analyses of macrolide antibio..."

#### REFERENCES 0

#### Select All Deselect All

1 of 1	2 Research Topic Candidates Selected	References
	2 references were found containing "Analyses of macrolide antibiotic residues in eggs" as entered.	2
<b>✓</b>	9 references were found containing all of the concepts "Analyses", "macrolide antibiotic residues" and "eggs" closely associated with one another.	9
	17 references were found where all of the concepts "Analyses", "macrolide antibiotic residues" and "eggs" were present anywhere in the reference.	17
	98 references were found containing the two concepts " <b>Analyses</b> " and "macrolide antibiotic residues" closely associated with one another.	98
	175 references were found where the two concepts "Analyses" and "macrolide antibiotic residues" were present anywhere in the reference.	175
	28638 references were found containing the two concepts "Analyses" and "eggs" closely associated with one another.	28638
	107627 references were found where the two concepts "Analyses" and "eggs" were present anywhere in the reference.	107627
	14 references were found containing the two concepts "macrolide antibiotic residues" and "eggs" closely associated with one another.	14
	18 references were found where the two concepts "macrolide antibiotic residues" and "eggs" were present anywhere in the reference.	18
	17771737 references were found containing the concept "Analyses".	17771737
	227 references were found containing the concept "macrolide antibiotic residues".	227
	329979 references were found containing the concept "eggs".	329979
Get	t References	

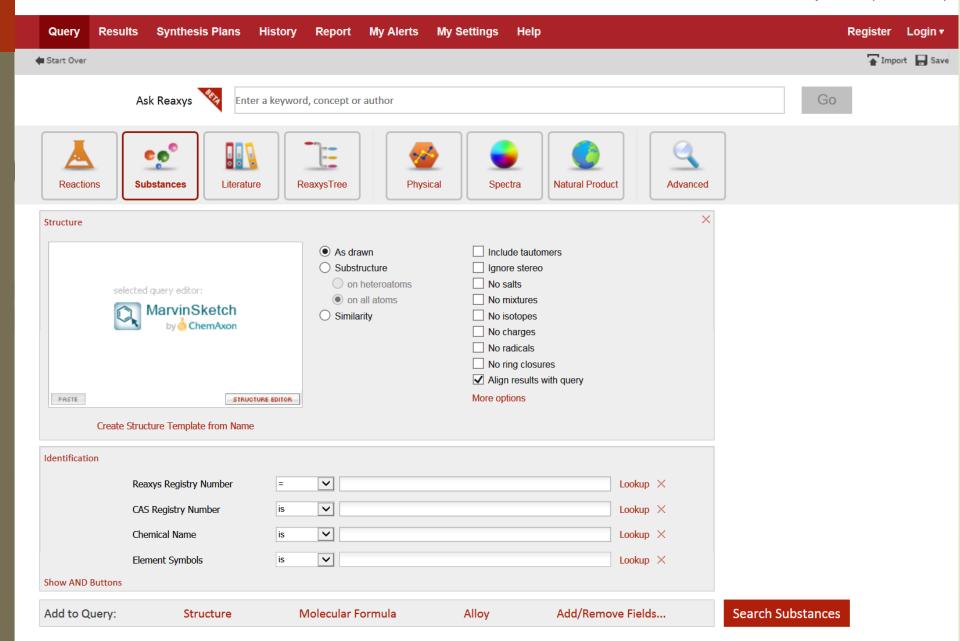




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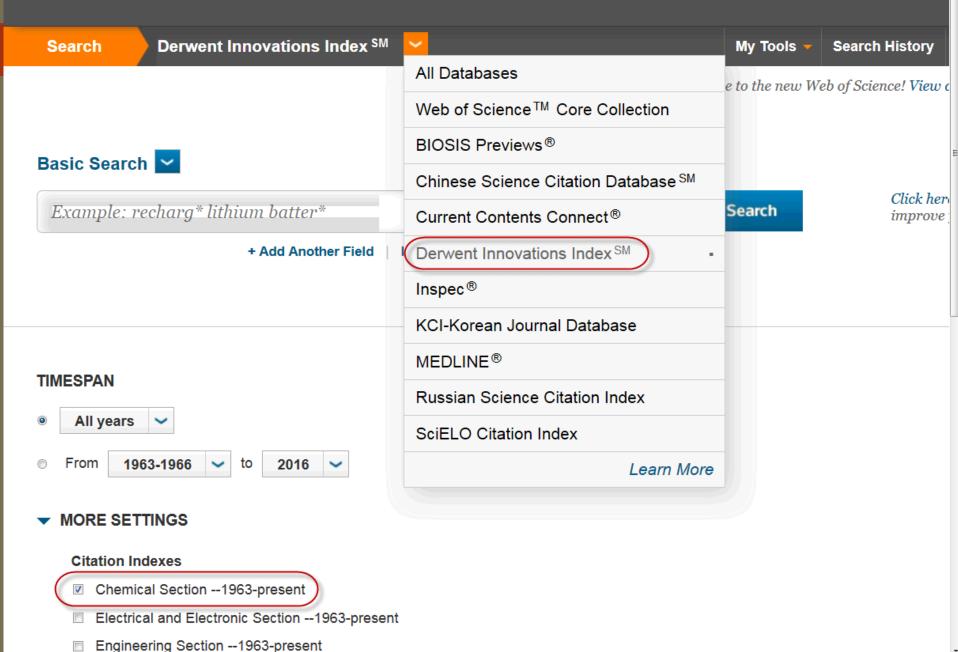


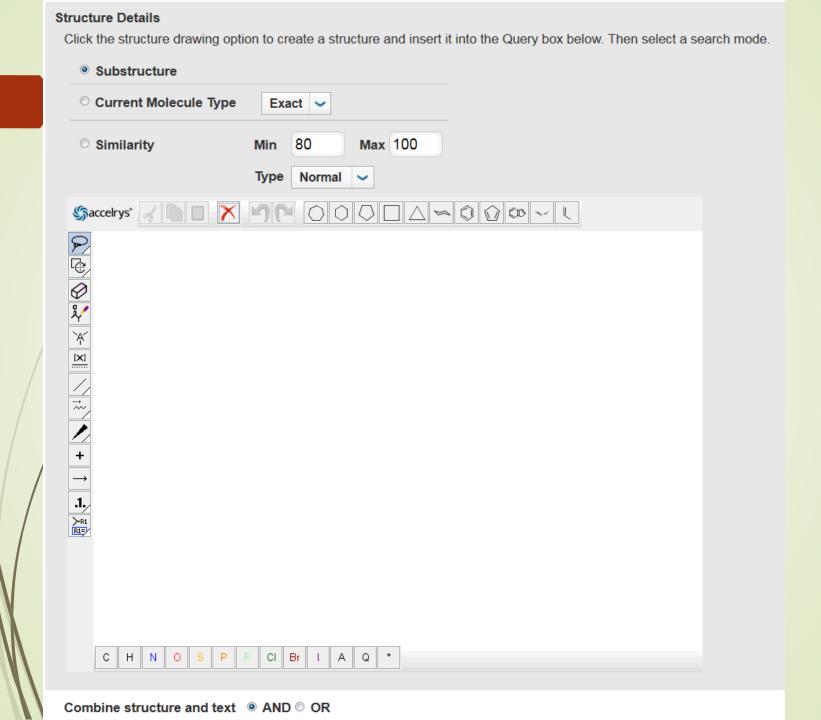
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Substance Description:	Example: ALKALOIDS or PHOSPHAT*	Select from List						
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Standardized Molecular Formula:	Example: C2 H8*							
Molecular Formula:	Example: C17 H16 N8 O5 S5 . C2 H F3 O2							
Molecular Weight:	Example: 60 or <237 or >123							
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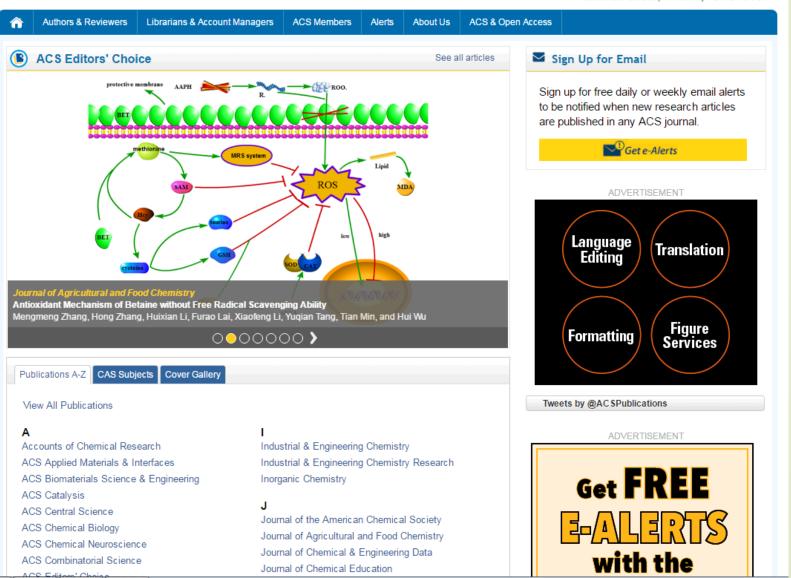
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Current Issue

Observation of Quantum Confinement in Monodisperse Methylammonium Lead Halide Perovskite Nanocrystals Embedded in Mesoporous Silica

Victor Malgras, Satoshi Tominaka, James W. Ryan, Joel Henzie, Toshiaki Takei, Koji Ohara, and Yusuke Yamauchi **Publication Date (Web):** September 25, 2016 (Article)

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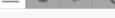












#### References

1. Ponseca, C. S., Jr.; Savenije, T. J.; Abdellah, M.; Zheng, K.; Yartsev, A.; Pascher, T.: Harlang, T.: Chabera, P.: Pullerits, T.; Stepanov, A.; Wolf, J. P.; Sundström, V. J. Am. Chem. Soc. 2014, 136, 518910.1021/ja412583t [CrossRef] [PubMed] [CAS]

2. Wehrenfennig, C.; Eperon, G. E.; Johnston, M. B.; Snaith, H. J.; Herz, L. M. Adv. Mater. 2014. 26. 158410.1002/adma.201305172 [CrossRef] [PubMed] [CAS]

3. Xing, G.; Mathews, N.; Sun, S.; Lim, S. S.; Lam, Y. M.; Grätzel, M.; Mhaisalkar, S.; Sum, T. C. Science 2013, 342, 34410.1126/science.1243167 [CrossRef] [PubMed] [CAS]

4. Stranks, S. D.; Eperon, G. E.; Grancini, G.; Menelaou, C.; Alcocer, M. J. P.; Leijtens, T.; Herz, L. M.; Petrozza, A.; Snaith, H. J. Science 2013, 342, 34110.1126/science.1243982 [CrossRef] [PubMed] [CAS]

Kojima, A.; Teshima, K.; Shirai, Y.; Miyasaka, T. J. Am. Chem. Soc. 2009, 131, 605010.1021/ja809598r [CrossRef] [PubMed] [CAS]

6. Kim, H.-S.; Lee, C.-R.; Im, J.-H.; Lee, K.-B.; Moehl, T.; Marchioro, A.; Moon, S.-J.; Humphry-Baker, R.; Yum, J.-H.; Moser, J. E.; Grätzel, M.; Park, N.-G. Sci. Rep. 2012, 2, 59110.1038/srep00591 [PubMed] [CAS]

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#### Observation of Quantum Confinement in Mond Methylammonium Lead Halide Perovskite Nand in Mesoporous Silica

Victor Malgras, Satoshi Tominaka, James W. Ryan, Joel Henzie, Tos and Yusuke Yamauchi\*,1

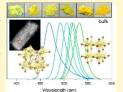
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\*International Center for Young Scientists (ICYS), National Institute for Materials Science

<sup>§</sup>Research and Utilization Division, Japan Synchrotron Radiation Research Institute, 1-1-1 Kouto, Sayo-cho, Sayo-gun, Hyogo 679-5198, Japan

3 Supporting Information

ABSTRACT: Hybrid organic-inorganic metal halide perovskites have fascinating electronic properties and have already been implemented in various devices. Although the behavior of bulk metal halide perovskites has been widely studied, the properties of perovskite nanocrystals are less well-understood because synthesizing them is still very challenging, in part because of stability. Here we demonstrate a simple and versatile method to grow monodisperse CH3NH3PbBrxIx3 perovskite nanocrystals inside mesoporous silica templates. The size of the nanocrystal is governed by the pore size of the templates (3.3, 3.7, 4.2, 6.2, and 7.1 nm). In-depth structural analysis shows that the nanocrystals maintain the perovskite crystal structure, but it is slightly distorted. Quantum confinement was observed by tuning the size of the particles via the template. This approach provides an additional route to tune the optical bandgap of the nanocrystal. The level of quantum confinement was modeled taking into account the



dimensions of the rod-shaped nanocrystals and their close packing inside the channels of the template. Photoluminescence measurements on CH3NH3PbBr clearly show a shift from green to blue as the pore size is decreased. Synthesizing perovskite nanostructures in templates improves their stability and enables tunable electronic properties via quantum confinement. These structures may be useful as reference materials for comparison with other perovskites, or as functional materials in all solid-state light-emitting diodes.

#### ■ INTRODUCTION

Hybrid organic-inorganic metal halide perovskites exhibit unusual electronic, optical, and crystallographic properties enabling high mobilities 12 and long diffusion lengths. 34 They are promising candidates for photovoltaic applications and have rapidly achieved outstanding performances. 5-2 The chemical structure obeys the AMX3 stoichiometry, where A is the organic cation, M is the metal cation (e.g., Pb2+, Sn2+), and X is the halide anion (e.g., Cl-, Br-, I-). The optical bandgap can be tuned by selecting the appropriate A and X components: methylammonium and bromide lead to wider bandgaps than

their size or surface chemistry is useful for various light-emitting applications (e.g., LEDs, lasers). In addition, quantum confinement offers a different angle from which the electronic properties can be studied and manipulated. Many semiconductor nanocrystals display interesting behavior when their radius is less than the exciton Bohr radius, such as bandgap expansion, increased Coulombic attraction of the paired charges, energy level quantization, and slower electronphonon relaxation.

Research on CH3NH3PbX3 nanocrystals has been primarily limited to colloidal nanoplatelets 16-19 and nanoparticles, 20-23 through coprecipitation or seeding methods, as well as

View Supporting Information

40







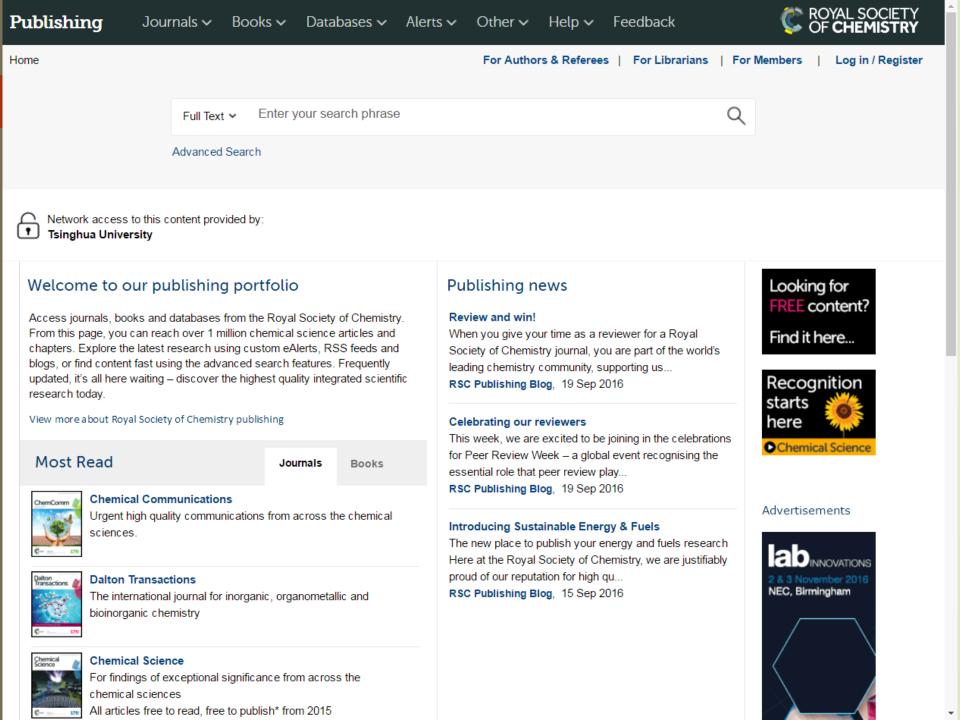




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# **Knovel**—Chemistry & Chemical Engineering

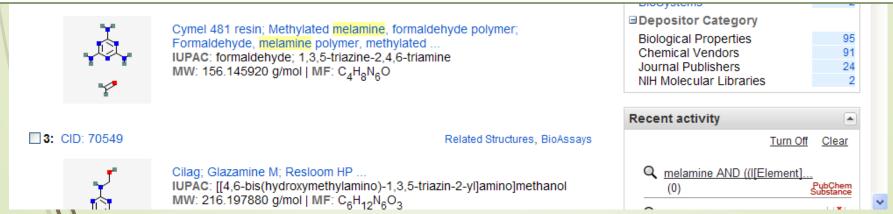
- ►Knovel出版的基于网络的交互式参考工具
- ■可以按主题、按出版物进行浏览
- ■可以在全文中进行主题检索和数据检索
- ■部分图表具有交互式
- ■访问入口: <a href="http://app.knovel.com">http://app.knovel.com</a>
- ●参见 http://www.lib.tsinghua.edu.cn/database/knovel.htm

敬请关注讲座"化学研究中的 数据事实检索"(20161107晚)!

# PubChem Compound/Substance



#### http://www.ncbi.nlm.nih.gov/guide/chemicals-bioassays/#databases\_





# 简华大学数据库导航系统

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电子期刊导航

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中外文核心期刊

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当前分类·化学/化工>

共有记录27条,当前1-20条 上一页, <u>下一页</u>

资源名称		资源类型	访问方式	资源简介	详细信息
ACS Publications		期刊		ACS电子期刊数据库目前包括三十多种期刊,除具有一般的检索、浏览等功能外,还可在第一时间内查阅到被作者授权发布、尚未正式[更多]	more
Aluminium Industry Abstracts (ProQuest)	1972 —	多出版类 型		铝工业文摘数据库(原名世界铝文摘),提供世界上有关铝、及其生产工艺、 产品、应用、商业开发上广泛的信息。 ## ##信息来[更多]	more
Analytical Abstracts Online @ RSC Publishing	1980 —	索引		收录源于全球100多种关于分析科学的方法与应用方面的文献。在经典的分析文 摘(Analytical Abstracts)的 <u>[更多]</u>	more
CAplus @ SciFinder	1907 —	多出版类 型		世界上最大的关于化学及其相关学科的文献数据库,记录来源于期刊、专利、 会议录、图书、学位论文、技术报告等多种类型的出版物。 <u>[更多]</u>	more
CAS Registry @ SciFinder		化合物性 质/结构 式		包含7千多万个有机、无机化合物和6千多万个序列的数据记录。每日更新。 [更多]	more
CASREACT @ SciFinder	1840 —	图文		收录6千多万个一步或多步反应信息。[更多]	more
Catalysts & Catalysed Reactions @ RSC Publishing	2002	期刊		RSC从80多种期刊中选择收录关于催化最新进展文献数据库,文摘内容包含图示。[更多]	more
Copper Technical Reference Library (ProQuest)	1965 —	数据库集 合		铜技术文摘数据库提供1965年以来有关铜、铜合金及铜技术方面全球文献在线书目信息,覆盖主题包括:铜冶炼与湿法冶金技术、铜 <u>[更多]</u>	more
Corrosion Abstracts (ProQuest)	1980 —	索引		腐蚀文摘数据库提供世界上有关腐蚀科学与工程方面最全面的书目信息。覆盖主题包括:普通腐蚀、测试、腐蚀特征、防腐蚀方法、材料[更多]	more
Derwent Innovations Index - Chemical @	1963	专利	登 录 坛	Derwent Innovation Index (DII, 德温特世界专利创新索引)可以检索到全球	more

# 3. 信息资源的合理选择

# 数据库选择要素

- ✓ 覆盖学科领域 综合、学科大类或单一学科
- ✓ 覆盖地域 全球、某个国家……
- ✓ 收录质量标准 高质量 vs 尽可能丰富
- ✓源文献语种
- ✓ 源文献出版类型 期刊、图书、专利、技术报告、学位论文、 会议论文、技术标准……

## 数据库选择要素

- ✓ 文献内容 研究论著、数据与事实、新闻报导……
- ✓数据时效性
- ✓ 对原始文献揭示深度 全文、题录
- ✓可访问性

正式订购(纸介+电子,本机构+公共文献机构……)、免费、试用

# 不可忽略多学科信息源

- ■数据库收录内容涉及学科面广,包括 化学及相关学科
- ●既有订购使用,也有免费资源
- 一既有数据来源广泛的题录数据库,也 有全文数据库

# 跨库检索

- ✓ 平台内跨库检索 (Web of Science, .....)
- ✓ 分布式异构数据库跨库检索 (清华大学 学术信息资源门户、……)
- ✓ 基于元数据集成的一站式跨库检索 (Google Scholar、水木搜索、……)

# 异构平台跨库检索——清华大学学术信息资源门户

	/							
	整合检索 电子期刊导航 查找原文				未登录用户	∰ 🟛 🚨 ?		
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箱	入检索词:							
请	用如下途径选择数据库							
<u>A</u>	BCDEFGHIJKLMNOPQRSTUVWXYZ中文外文全部			按数据库名称查找				
쐈	择数据库(己选0个,最多25个) 常用数据库 全部数据库 按学科分	<u>长洲监</u> 按资	<b>彩順迷</b>	型浏览 多途径查询 快速检索集 清空/重选		共39个数据库		
选择数据库(已选0个,最多25个) 【常用数据库】 全部数据库 】 <mark>按学科分类浏览 </mark> 按资源类型浏览 】 多途径查询 】 快速检索集 <u>清空/重选</u>								
综合 材料 电气/电子/通信/控制/计算机 法律/政治 管理学 <mark>化学/化工</mark> 光学/仪器 航天航空 核科学与技术 环境 机械 建筑 <u>教育/心理 经济 科学技术</u> 史								
力学 历史 农学/农业工程 社会/民族 生物 生物医学工程 数学 天文/地理/海洋/地质/地球物理 图书馆、情报与档案管理 土木/水利 物理								
ž	<u>(金/动力/工程热物理 医学 艺术 语言/文学/新闻传播 哲学 兵器</u>	<u>/军事 系统</u>	科学	测绘 纺织/轻工/食品 交通/船舶 矿业/石油	与天然气 其他	1 <u>药学 体育</u>		
	CAS Registry * Guide Notice	(1) fm(		万方—期刊全文库 全文 Guide		① #ť		
	CASREACT * Guide Notice	(j) (m)		万方—中国科技成果数据库 Guide		① m(		
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	ACS Publications <b>≜</b> 文 <b>Guide</b>			万方—中国学术会议论文文摘数据库 Guide		① W		
	Aluminium Industry Abstracts (CSA) Guide	① mí		中国科学网络版 全文 Guide		① #(		
	Analytical Abstracts Online Guide	① mi		)				
	AVS(Scitation) 🚉 Guide	(1) Mil						
	Biotechnology Research Abstracts(CSA) Guide	① mi						

### 基于元数据集成的一站式跨库检索——水木搜索



# 4. 获取全文

### 获取全文的常用工具

- ■馆藏目录
- ●全文数据库
- ■电子期刊导航
- ■电子图书导航
- **SFX**
- DOI http://dx.doi.org/.....
- ■学术信息资源门户——Citation Linker
- ■馆际互借与文献传递
- •••••

## 下面这篇文章可否在线阅读全文?

Asymmetric domino reactions. Part B: Reactions based on the use of chiral catalysts and biocatalysts

By: Pellissier, Helene

Source: Tetrahedron, Volume: 62, Issue: 10, Pages:

21/43-2173, Journal; General Review, 2006, CODEN:

**TETRAB, ISSN: 0040-4020** 



5. 了解某学科领域高影响力期刊

# 可利用工具

- 中文核心期刊要目总览
  (http://lib.tsinghua.edu.cn/service/SCIcenter/SCIcenter.html)
- **JCR** (https://jcr.incites.thomsonreuters.com/)
- 中外文核心期刊查询系统 (http://coreej.cceu.org.cn/)
- •

# 谢谢! & 问题?

### 请填写问卷调查,谢谢!



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