



转变研究模式：

数字资源的整合与 ISI Web of Knowledge



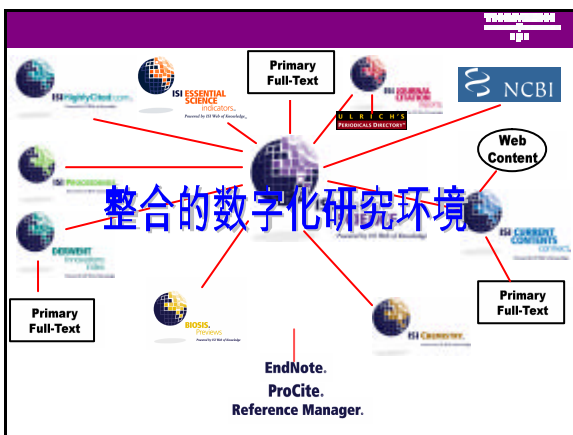
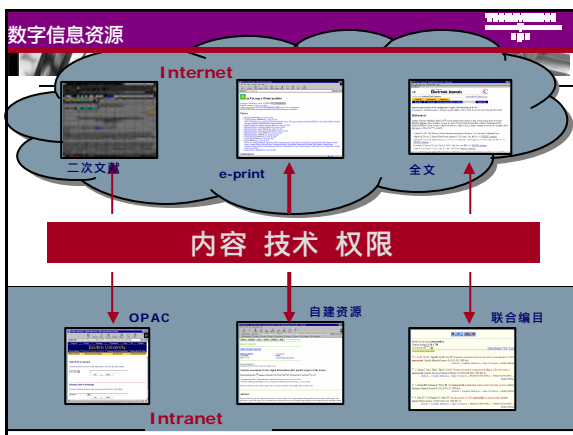
提要

- 1 导论
- 2 ISI Web of KNOWLEDGESM：定义、内容
- 3 ISI Web of Knowledge 的核心：Web of Science[®] 5.0
- 4 ISI Web of KNOWLEDGESM 跨库检索平台
 - 跨库交叉检索，促进知识发现
- 5 ISI Web of KNOWLEDGESM 的发展方向
 - 定题服务和个性化定制
- 6 问与答



学术信息资源及其利用所面临的问题：

- 如何有效地揭示过去、现在和将来的科学信息的内在联系
- 如何有效地揭示各个学科在科学研究中的交叉与应用？
- 如何有效地把不同来源、不同性质的信息资源连接在一起
 - 期刊文献 学术著作 专利文献 会议论文 技术报告 标准。。。
 - 文献中所描述的事实型数据(化学反应、化合物、生物信息等)
 - 原始文献全文
 - 馆藏资源及自建资源
 - 互联网免费学术信息资源




ISI Web of KNOWLEDGESM

Transforming Research

ISI Web of Knowledge.定义

ISI Web of Knowledge 是一个基于互联网建立的新一代学术资源整合体系, 采用“一站式”服务, 提供高质量的学术信息, 兼具知识的检索、提取、管理、分析与评价等多项功能。

以 Web of Science (ISI著名的三大引文索引 Science Citation Index Expanded®, Social Science Citation Index®, Arts & Humanities Citation Index®) 为核心, ISI Web of Knowledge 凭借独特的检索机制和强大的交叉检索能力, 有效地整合了学术期刊、技术专利、会议录、化学反应、研究基金、Internet 资源及其它各种相关信息资源, 提供了自然科学、工程技术、生物医学、社会科学、艺术与人文等多个领域中高质量的学术信息, 从而大大扩展和加深了单个信息资源所能提供的学术研究信息。

其中, 关键的学术信息内容可以在 ISI Web of Knowledge 中跨库检索; 亦可以通过 ISI Current Contents Connect 迅速检索和获取经过专家评估的学术网站及其所提供的全文献资源。与此同时, ISI Web of Knowledge 还引入了对学术研究绩效进行定量评估的研究工具。

ISI Web of Knowledge 内容

多学科和专业化并重; 严格挑选和评估; 基本

1. ISI / Derwent 内容

- 期刊: 8,450多种经过严格评估的核心期刊
- 会议录: 每年12,000多种学术会议录
- 专利: 来自40多个国家和机构的2千多万个专利
- 化学结构与反应: 1840年以来超过 600,000个反应
超过1百多万个化合物
- 互联网Web 资源: 3,700多个经过严格评估的学科
站点标引, 14万篇全文的Web文献

ISI Web of Knowledge 内容

- 独特的分析工具
 - Journal Citation Reports
 - ISI Essential Science Indicators
- ISI 与第三方合作的数据库
 - BIOSIS Previews®
 - CAB ABSTRACTS™
 - INSPEC®
- 外部资源
 - PubMed and Agricola

用户机构标志

进入机构所订购的IS数据库

跨库交叉检索: 期刊、会议录、专利

提要

- 导论
- ISI Web of KNOWLEDGESM: 定义、内容
- ISI Web of Knowledge 的核心: Web of Science® 5.0
- ISI Web of KNOWLEDGESM 跨库检索平台
- 跨库交叉检索, 促进知识发现
- ISI Web of KNOWLEDGESM 的发展方向
- 定题服务和个性化定制
- 问与答

ISI Web of SCIENCE.
Powered by ISI Web of Knowledge

ISI Web of Science 5.0

ISI Web of KNOWLEDGE™

三大引文索引

教程

ISI Web of Science 5.0

快速、简捷的选择

Options:

- 普通检索
- 被引文献检索
- 高级检索
- “打开检索历史”

ISI Web of Science 5.0: 普通检索

General Search

Enter terms or phrases separated by the operators AND, OR, NOT, or SAME. Use parentheses to narrow the search.

SEE SEARCH LIMITS

ISI Web of Science 5.0: 被引文献检索

Cited Reference Search

STEP 1: CITED REFERENCE LOOKUP

Enter terms or phrases separated by OR. Then press LOOKUP.

Display list of cited references containing terms entered below.

SEE SEARCH LIMITS

ISI Web of Science 5.0: 检索结果列表

Cited Reference Search Results - Summary

Page 1 of Article 1 - 4

基于超链接的检索结果列表

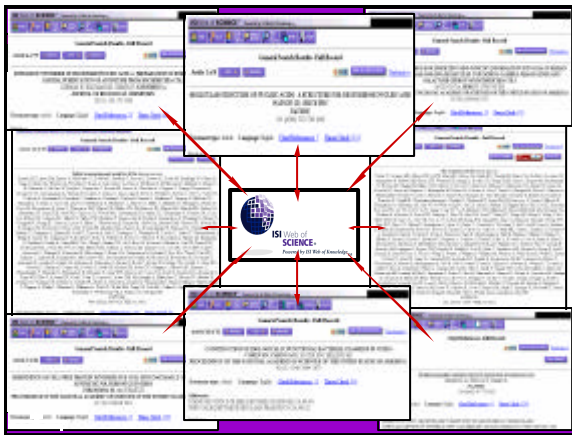
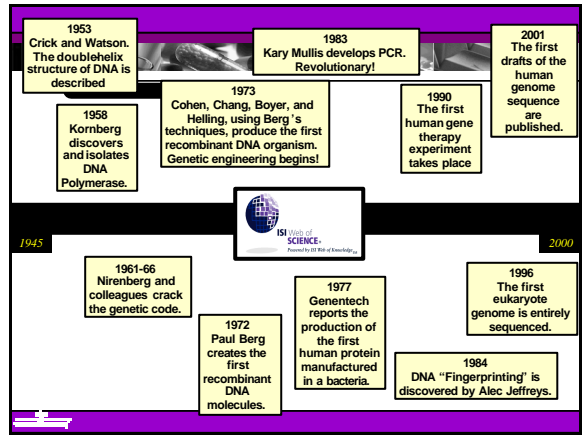
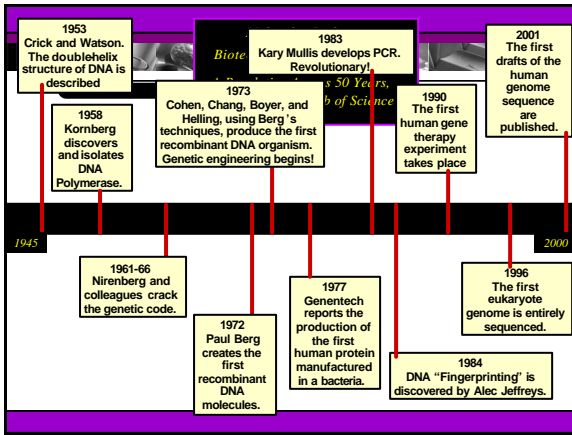
ISI Web of Science 5.0: 检索结果列表

General Search Results - Full Record

参考文献

施引文献

作者摘要



引文索引 --“不仅仅提供资料信息，更重要的是提供研究的思路”

将过去、现在以至将来的相关文献信息连接起来；
-- “越查越新”和“越查越旧”

将不同学科、不同领域的相关研究连接起来，
-- “科学发展的生长点”和“知识的发现与创新”

研究人员由此可以发现许多过去不知道然而却非常重要的信息，从而产生许多新的创见与发现。这也正是引文索引数据库中作为研究数据库的巨大价值所在。

BIOSIS Previews 2.0

Search Results - Full Record

Article 2 of 2940

Heat and mass transfer phenomena during the early growth of a catalyst particle in gas-phase olefin polymerization: the effect of pre-polymerization temperature and time

Yasuguchi A, Yamadaoka H, Omiya Y, Higashimura C

CHEMICAL ENGINEERING SCIENCE

56 (15): 3975-3995 JUL 2001

Document type: Letter Language: English Cited References: 32 Related Records

Abstract: A comprehensive mathematical particle growth model, accounting for both external and internal mass and heat transfer limitations appearing during the early growth of highly active Ziegler-Natta catalysts in gas-phase olefin polymerizations, is developed. Based on the well-known "Polymeric Flow Model" approximation for particle growth [see Schmeel and Street (AIChE Journal 17 (1971) 1158) and Cavani and Turel (Chemical Engineering Science 41 (1986) 2289)], dynamic mass and energy balances, including both diffusional and convective mass and heat fluxes, are derived to describe the

ISI Proceedings

General Search Results--Full Record

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56 (15): 3975-3995 JUL 2001

Document type: Letter Language: English Cited References: 32 Related Records

Conference Information: 1st European Conference on the Reaction Engineering of Polyolefins (ECOREP) LYON, FRANCE, JUL 05-06, 2000 European Commis...

Abstract: A comprehensive mathematical particle growth model, accounting for both external and internal mass and heat transfer limitations appearing during the early growth of highly active Ziegler-Natta catalysts in gas-phase olefin polymerizations, is developed. Based on the well-known "Polymeric Flow Model" approximation for particle growth [see Schmeel and Street (AIChE Journal 17 (1971) 1158) and Cavani and Turel (Chemical Engineering Science 41 (1986) 2289)], dynamic mass and energy balances, including both diffusional and convective mass and heat fluxes, are derived to describe the

Derwent Innovations Index

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General Search Results - Full Record

Patent 4 of 4

Patents Cited by Inventor: 11
 Patents Cited by Examiner: 5
 Articles Cited by Inventor: 163
 Articles Cited by Examiner: 24

Patent Number(s):
 WO9613614-A1, AT9641431-A, US5622852-A, EP804617-A1, JP10508472-W, US5834209-A, AU707470-B

Title:
 Polynucleotide encoding bcl-2 associated death promoter - useful to treat neoplasia and apoptosis and to identify agents inhibiting its binding to bcl-2 or bcl-xL to form heterocomplexes

Inventor Name(s):
 KOEBSMEYER SJ

Patent Assignee Name(s) and Code(s):
 UNIV WASHINGTON (UNIW)

Derwent Primary Accession Number:
 1996-251465 [26]

Abstract:
 Novel isolated Bcl-2/bcl-xL associated death promoter polynucleotide (PPI) (I) has a sequence of at least 20 and less than

CAB Abstracts via ISI

Use the Find and Browse features to locate terms to add to your query.

Enter a word or phrase

Article 2 of 7

Comparative study on soil exchange, water relations and leaf anatomy of five olive cultivars grown under well irrigated and drought conditions.
 Christodoulou K, Patsika S, Dikoulaki A, Dotsis R for Manufacturing, Facilities C, Eleonoreas
 Edekon (Hemel, G., Egypt) 54 (1910) 482-492 1999

Document type: Conference paper, Journal article

Conference Information:
 3rd Int. symposium on plant. Physiology of an International Workshop at Taha, Haqaya, 22-24 August, 1999

Abstract:
 The effect of water stress on soil exchange, water relations and leaf anatomical characteristics was studied in olive cultivars 'Koroneiki' and 'Maroneiki'. Electrochemical potentials with minimal capacitance were detected in stressed plants. Correlative potential (psi) and/or sap flow in stressed plants to evaluate their ability for water relations. This study

INSPEC via ISI

ISI Web of Knowledge™

Information for New Users

Search by bibliographic information (topic, author, source, address) or by using field tags and set combination.

Clear all search terms, the selected list, and the Search History

Fully disconnect from the database and make your connection available to another user at your institution.

The Notices file was last updated 1/22/2001

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 THOMSON SCIENTIFIC

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INSPEC via ISI

INSPEC: Controlled Index

INSPEC Thesaurus

Use the Find and Browse features to locate terms to add to your query.

Enter a word or phrase

Article 1 of 1

Abstract:
 Maximum oxygen uptake of the human effect in walking across of roads

Document type:
 Journal paper

Language:
 English

How to Use:
 Thesaurus
 Browse

ISI Web of Knowledge

- 以知识为基础整合学术信息资源

ISI Web of Knowledge

General Search Results - Full Record

Abstract:
 Direct growth of aligned epoxy carbon nanotubes by chemical vapor deposition

Document type: Article

Language: English

Key Words Plus:
 NANOTUBE SYNTHESIS; NANOPARTICLES; PROPERTIES; CARBON

Address:
 Prof. ZY. Zhang, Chung Shan Inst. Tech., P.O. Box 52, Dongfeng 10000, Dongfeng 3, China
 (China) Anand S.L. for Phys. Dongfeng 10000, Dongfeng 3, China

Publication:
 ELECTRONIC SCIENCE AND TECHNOLOGY

ISI Numbers:
 153920

DOI:
 10.1109/62.8416

Article 1 of 11

Annotations:
 馆藏OPAC系统 LINK
 全文 LINK
 期刊目录与学科网站导航
 影响因子与JCR

(一) 基于内容的数据库之间的双向连接：

- ISI Proceedings
- CCC
- JCR
- BIOSIS Previews
- NCBI GenBank
- ISI Chemistry
- CAB Abstracts*
- INSPEC*

(二) 与全文的连接：

- ISI Links
- SFX

ISI Links: 全文合作伙伴

- ↗ Academic Press
- ↗ American Institute of Physics
- ↗ American Physical Society
- ↗ Swets Blackwell
- ↗ CatchWord, Ltd.
- ↗ EBSCO (signed)
- ↗ Elsevier/ ScienceDirect
- ↗ IOP
- ↗ HighWire Press
- ↗ Karger
- ↗ Kluwer Academic Publishers
- ↗ Nature Publishing Group
- ↗ Royal Society of Chemistry
- ↗ SIAM
- ↗ Springer-Verlag
- ↗ Wiley (signed)

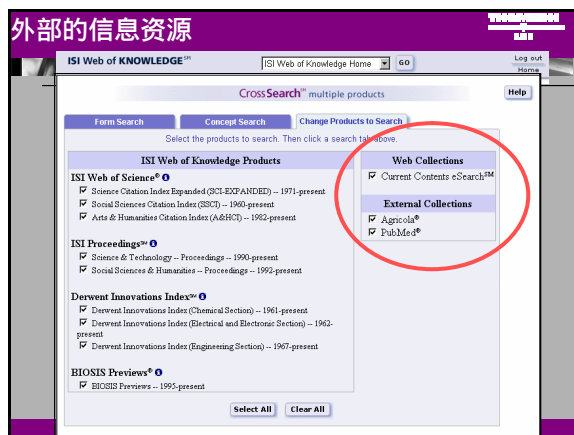
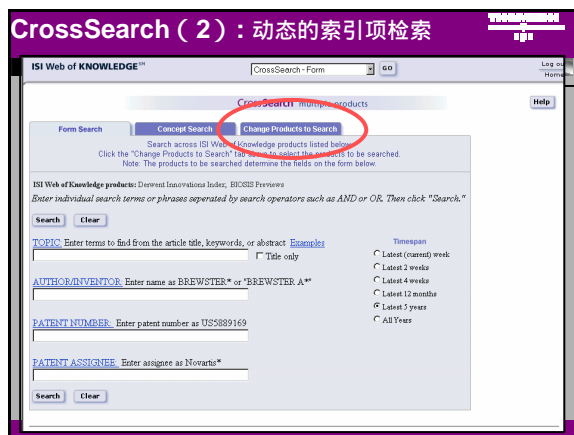
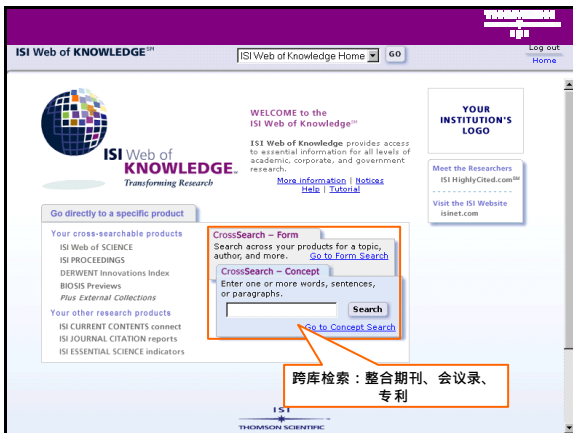
(三) 与OPAC系统的连接：揭示馆藏

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- 问与答

跨内容的知识发现：ISI Web of Knowledge 跨库检索平台

- 一次性检索多个信息资源
 - 自然语言概念检索
 - 检索所有由ISI平台提供的数据库
 - 布尔代数标引项目检索
 - 检索所有由ISI平台提供的数据库
 - 检索外部资源
 - PubMed, Agricola and Current Contents eSearch
- Content reaches new users
 - 统一平台检索多种资源
 - 强大的知识发现工具推动研究



外部资源检索结果

The screenshot shows a search interface with a table of results. The table lists 'Product Name' and '# Results' for three categories: Agricola (305), PubMed (13), and Current Web Contents (46). The interface includes search filters, a search bar, and a list of search engines.

Product Name	# Results
Agricola	305
PubMed	13
Current Web Contents	46

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ISI Web of Knowledge 发展方向

- 定题服务 - enabled by *Current Contents Connect*
 - 基于所有 ISI 数据库的定题服务
 - 目次服务
 - 增强的 email 功能 - 文本格式或 HTML 格式、与全文的连接
- 个性化定制服务
 - ISI Web of Knowledge 自动识别读者
 - 可定制网页 (应用、检索历史/结果、个人期刊列表)

The screenshot shows the user interface of ISI Web of Knowledge with several callouts. A callout '应用与平台设置' points to the top right navigation area. Another callout '进入和管理所保存的检索; 创建定题服务' points to the 'Search/Alerts' menu. A third callout '进入自己最喜欢阅读的期刊, 获取现刊目次和文献内容; 创建目次服务' points to the 'Personal Jml List' menu. The 'Personal Jml List' menu includes links for Nature, American Zoologist, and Gene.

推动科学技术的不断创新是信息资源建设与发展的根本目标

- ◆ 相关信息 (质量、数量、多样性与系统性) 及其交流程度
- ◆ 前沿性和面向未来的研究主题: 信息的评估与分析
- ◆ 开放性的信息平台: 统一、整合与连接

谢谢!

刘焜
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