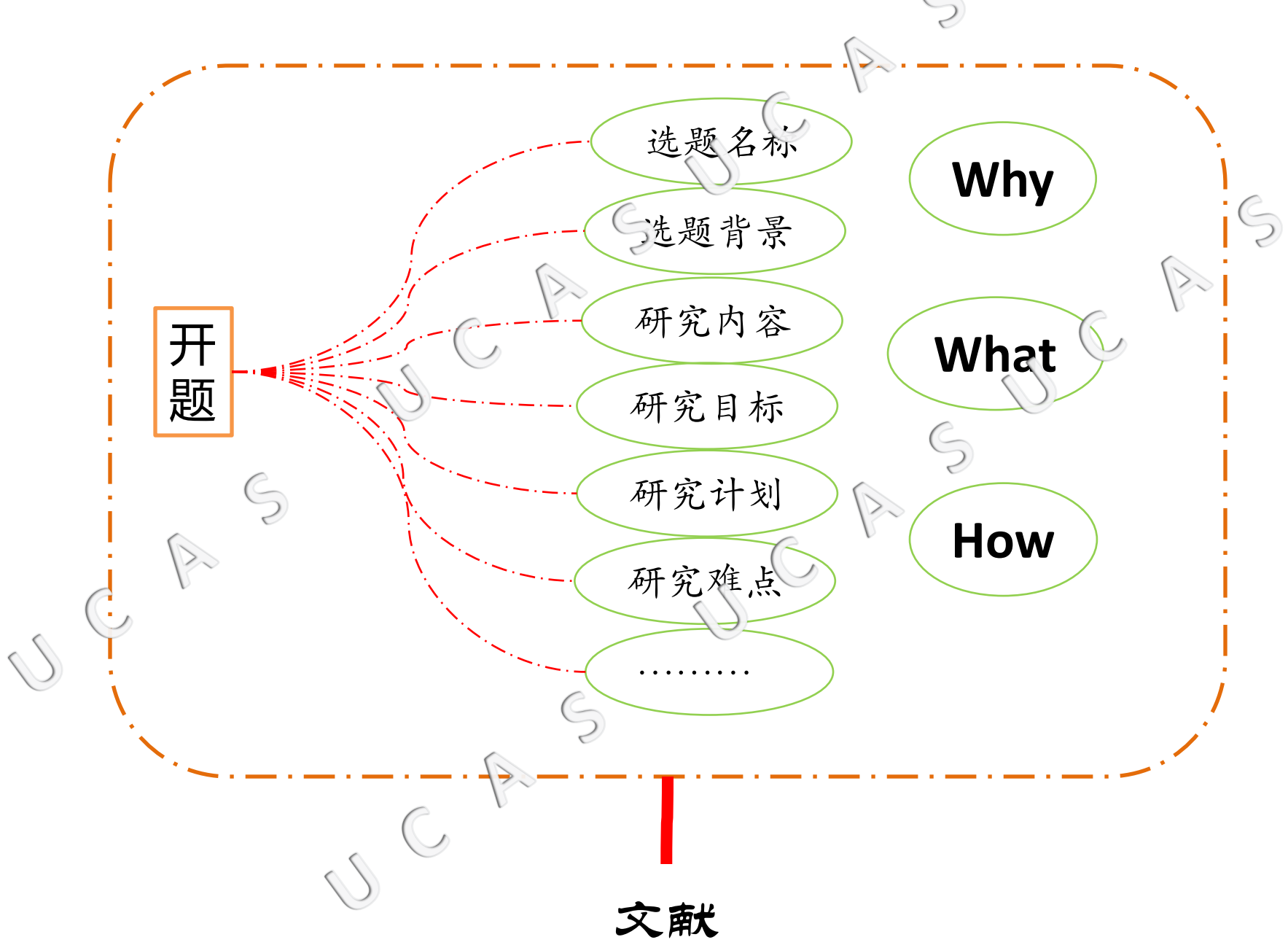
研究生开题
文献调研的方法与技巧

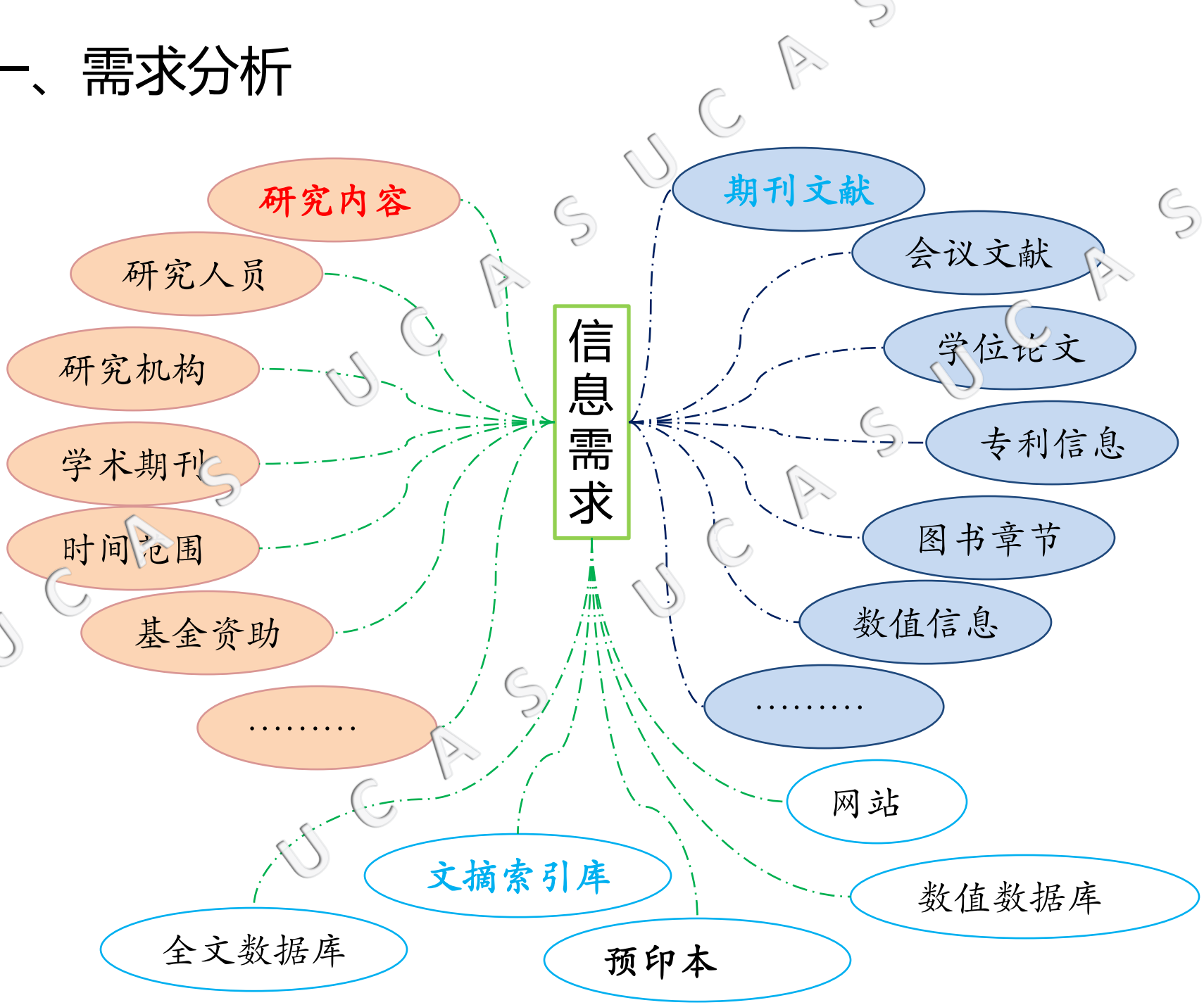
宋秀芳
中国科学院文献情报中心
2022年4月11日


开题
选题名称
选题背景
研究内容
研究目标
研究计划
研究难点
……
Why
What
How
文献

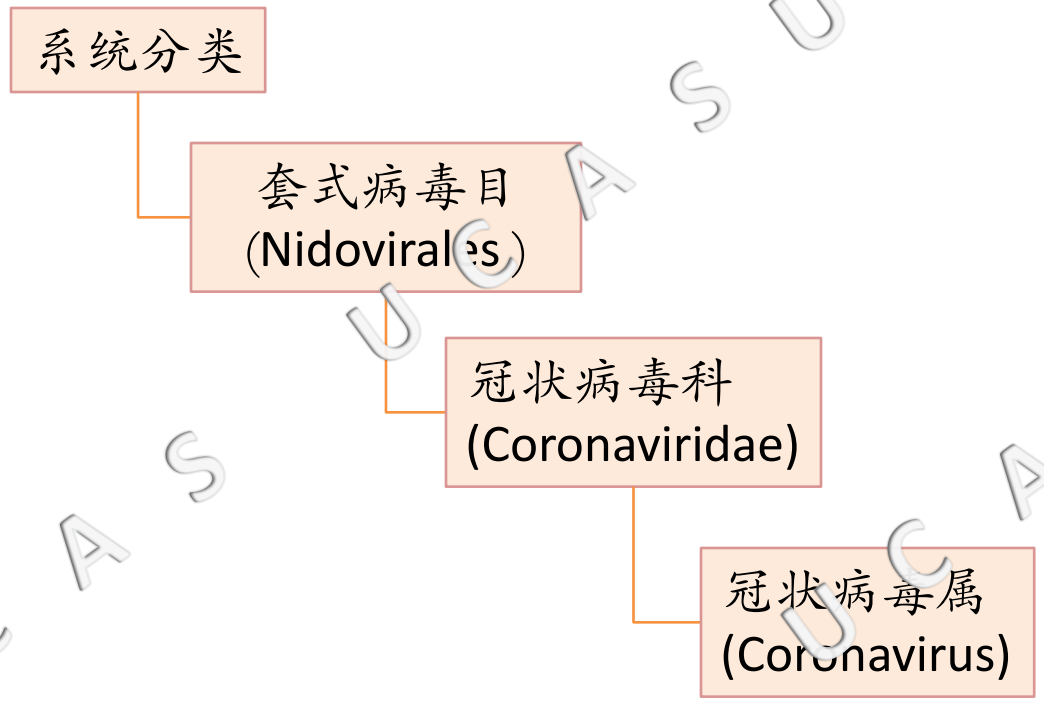
提纲

1. 需求分析
2. 信息获取
3. 信息筛选
4. 信息利用

一、需求分析


信息需求
研究内容
研究人员
研究机构
学术期刊
时间范围
基金资助
……
期刊文献
会议文献
学位论文
专利信息
图书章节
数值信息
……
网站
数值数据库
预印本
文摘索引库
全文数据库

以冠状病毒研究为例



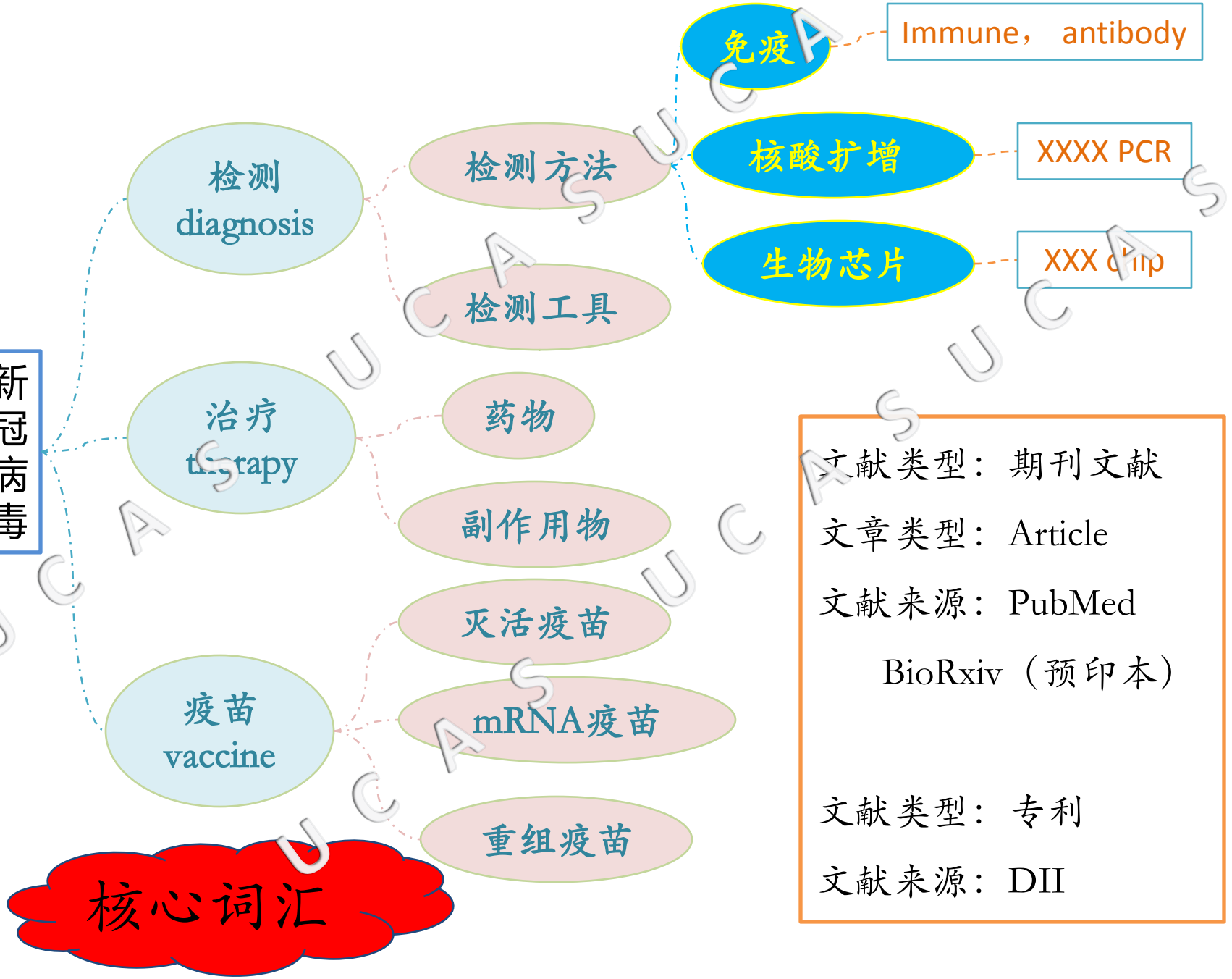
1937年冠状病毒从鸡中分离出来

仅感染脊椎动物，如人、鼠、猪、猫、犬、狼、鸡、牛、禽类

SARS-CoV，引发重症急性呼吸综合征

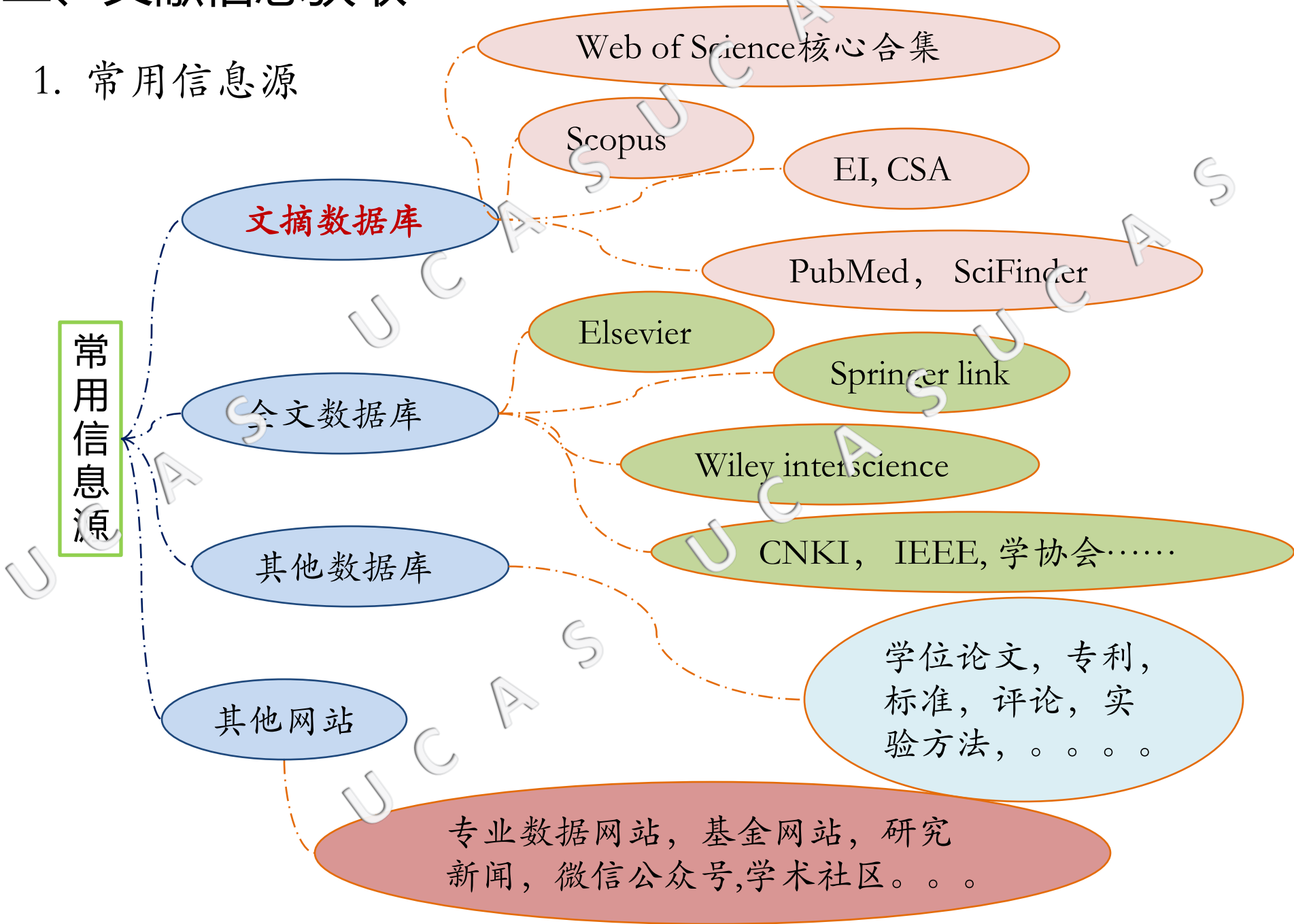
MERS-CoV，引发中东呼吸综合征

SARS-CoV-2，COVID-19，引发新型冠状病毒肺炎


新冠病毒
检测 diagnosis
治疗 therapy
疫苗 vaccine
检测方法
检测工具
药物
副作用物
灭活疫苗
mRNA疫苗
重组疫苗
免疫
核酸扩增
生物芯片
Immune， antibody
XXXX PCR
XXX chip
文献类型： 期刊文献
文章类型： Article
文献来源： PubMed
BioRxiv（预印本）
文献类型： 专利
文献来源： DII
核心词汇

二、文献信息获取

1. 常用信息源



搜索引擎

Baidu 学术

Google Scholar

Microsoft Bing

SCI-HUB

数据平台

Dimensions

Data： from grants, publications, datasets and clinical trials to patents and policy documents

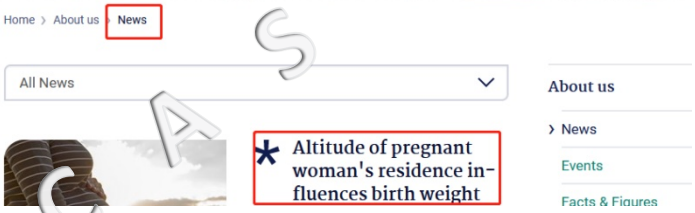
Research： from funding through output to impact

LENS.ORG

企业Cambia的旗舰项目

Data： from scholarly research and patent knowledge to policy, laws, regulations, investment, social norms and business data

研究新闻



New Protein Discovery Reveals The Mechanisms of Nitrogen Assimilation in Plants

2022-04-06

A collaborative research group has discovered the protein that inhibits the formation of organic nitrogen compounds in plants. This protein, if manipulated, could potentially be used to encourage plant growth, improving biomass production and crop harvests.

Nitrogen is one of the building blocks of life. Humans need nitrogen to make the amino acids, proteins, and nucleic acids essential for growth, hormones, brain functions, the immune system, and DNA and RNA. Humans, unlike plants, cannot synthesize organic nitrogen molecules. Instead, we rely on plants for our nitrogen intake.

Plants utilise nitrate or ammonium in the environment to synthesize organic nitrogen molecules in a process called nitrogen assimilation Crop production relies on nitrogen fertilizers to improve the efficiency of nitrogen uptake in crops. Still, the regulatory mechanisms behind nitrogen assimilation have continued to elude scientists.

Multiple proteins mediate nitrogen assimilation. The expression of these proteins is high when the surrounding soil and water contains low amounts of ammonium and nitrate ions, suggesting the existence of a negative regulator dependent on these factors.

Previous research by the group reported that the protein MYB1 serves a crucial role in inducing the expression of genes necessary for nitrogen assimilation, and it becomes inhibited in high nitrogen environments. The current findings revealed that the novel protein NDB1 inactivated MYB1. NDB1 traps MYB1 in the cytoplasm and prevents it from functioning as a transcription factor.

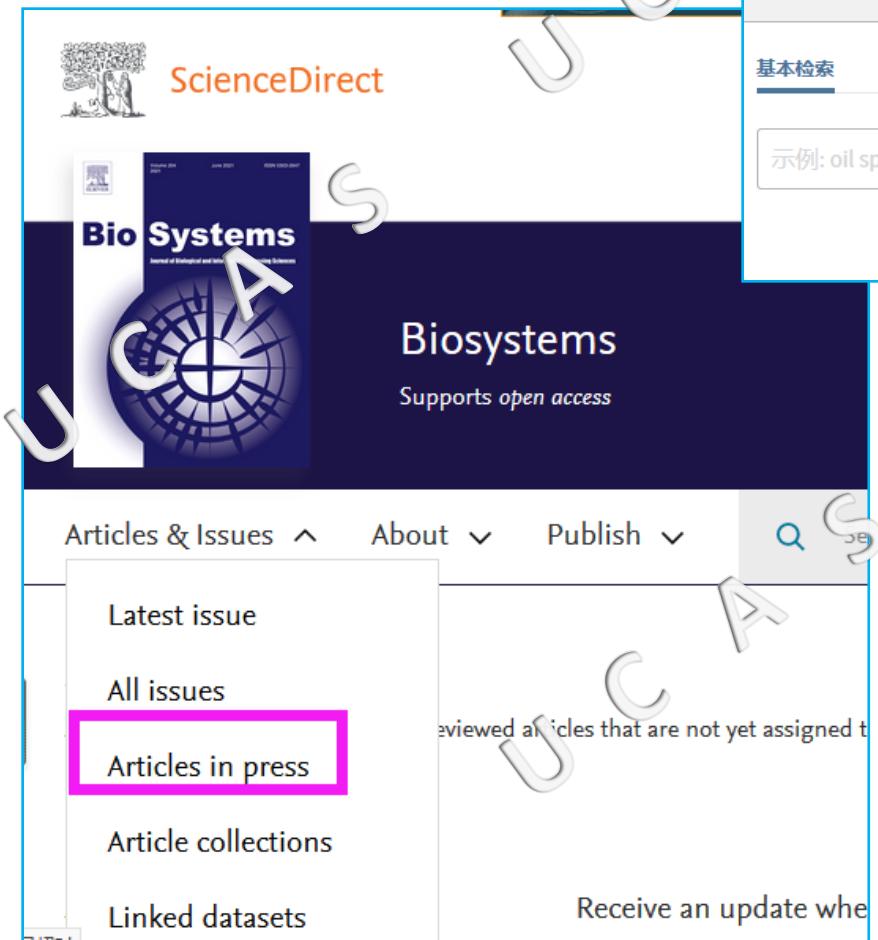
Looking ahead, Igarashi is eager to explore the MYB1 transcription factor network further. "We would like to identify other proteins involved in regulating nitrogen assimilation and investigate whether nitrogen assimilation can be elevated through NDB1 manipulation."

找到适合于自己的
相关的信息源

了解数据库/平台的特色功能，收录范围，**更新时间**

文摘/索引库：某个领域/机构/时间段等的文献集合

全文数据库：跟踪最新文献； PDF下载


ScienceDirect
Bio Systems
Biosystems
Supports open access
Articles & Issues
About
Publish
Latest issue
All issues
Articles in press
Article collections
Linked datasets
Receive an update whe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Web of Science 核心合集
所有数据库
Web of Science 核心合集
中国科学引文数据库 SM
Current Contents Connect
Derwent Innovations Index
KCI-Korean Journal Database
MEDLINE®
基本检索

Latest Issue

Volume 49, Issue 9

21 May 2021

期刊

Impact Factor

11.501

5 year Impact Factor

11.797

Senior Executive Editors

Keith Fox

Barry Stoddard

About the journal

Nucleic Acids Research (NAR) publishes the results of leading edge research into physical, chemical, biochemical and biological aspects of nucleic acids and proteins involved in nucleic acid metabolism and/or interactions.

Find out more

期刊以外的内容

Breakthrough articles

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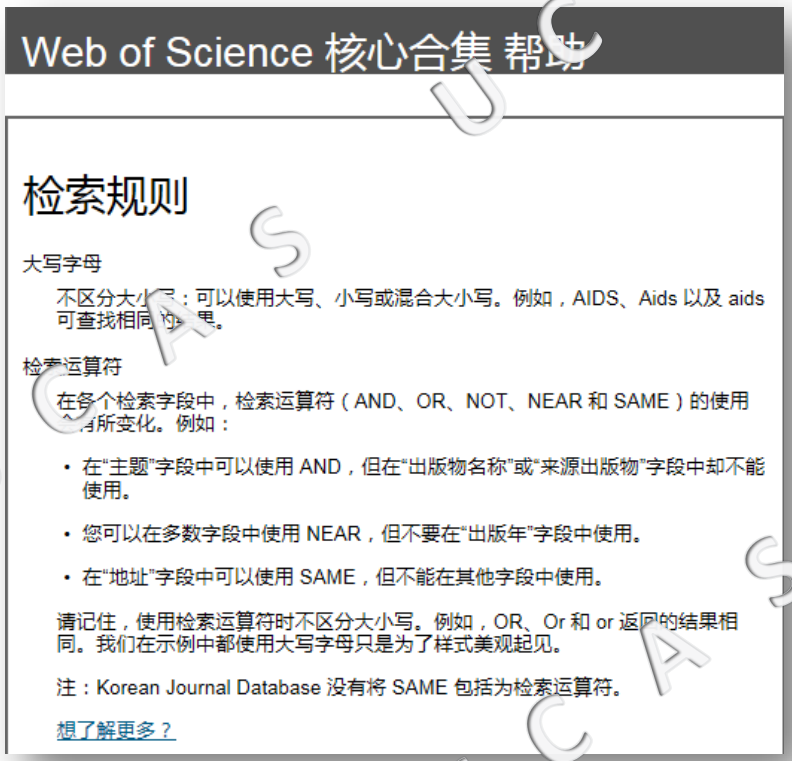
数据库有检索规则，仔细阅读：逻辑运算，字段名称，先后次序



Web of Science 核心合集 帮助

检索规则

大写字母

不区分大小写：可以使用大写、小写或混合大小写。例如，AIDS、Aids 以及 aids 可查找相同的结果。

检索运算符

在多个检索字段中，检索运算符（AND、OR、NOT、NEAR 和 SAME）的使用方法所变化。例如：

- 在"主题"字段中可以使用 AND，但在"出版物名称"或"来源出版物"字段中却不能使用。
- 您可以在多数字段中使用 NEAR，但不要在"出版年"字段中使用。
- 在"地址"字段中可以使用 SAME，但不能在其他字段中使用。

请记住，使用检索运算符时不区分大小写。例如，OR、Or 和 or 返回的结果相同。我们在示例中都使用大写字母只是为了样式美观起见。

注：Korean Journal Database 没有将 SAME 包括为检索运算符。

想了解更多？

Scopus

Scopus：访问和利用 支持中心

支持中心 > Scopus：访问和利用 支持中心 > 培训 > 如何搜索文献？

全部主题 Search

订单和续订

访问

产品入门基础培训

培训

产品使用

如何搜索文献？

上次更新时间 3 月 24, 2021

文献搜索教程

使用字段标识、布尔运算符、括号和检索结果集来创建检索式。结果显示在页面底部的 "检索历史" 中。

示例: TS=(nanotub* AND carbon) NOT AU=Smalley RE

#1 NOT #2 更多示例 | 查看教程

SARS-CoV-2 or COVID-19 and vaccine

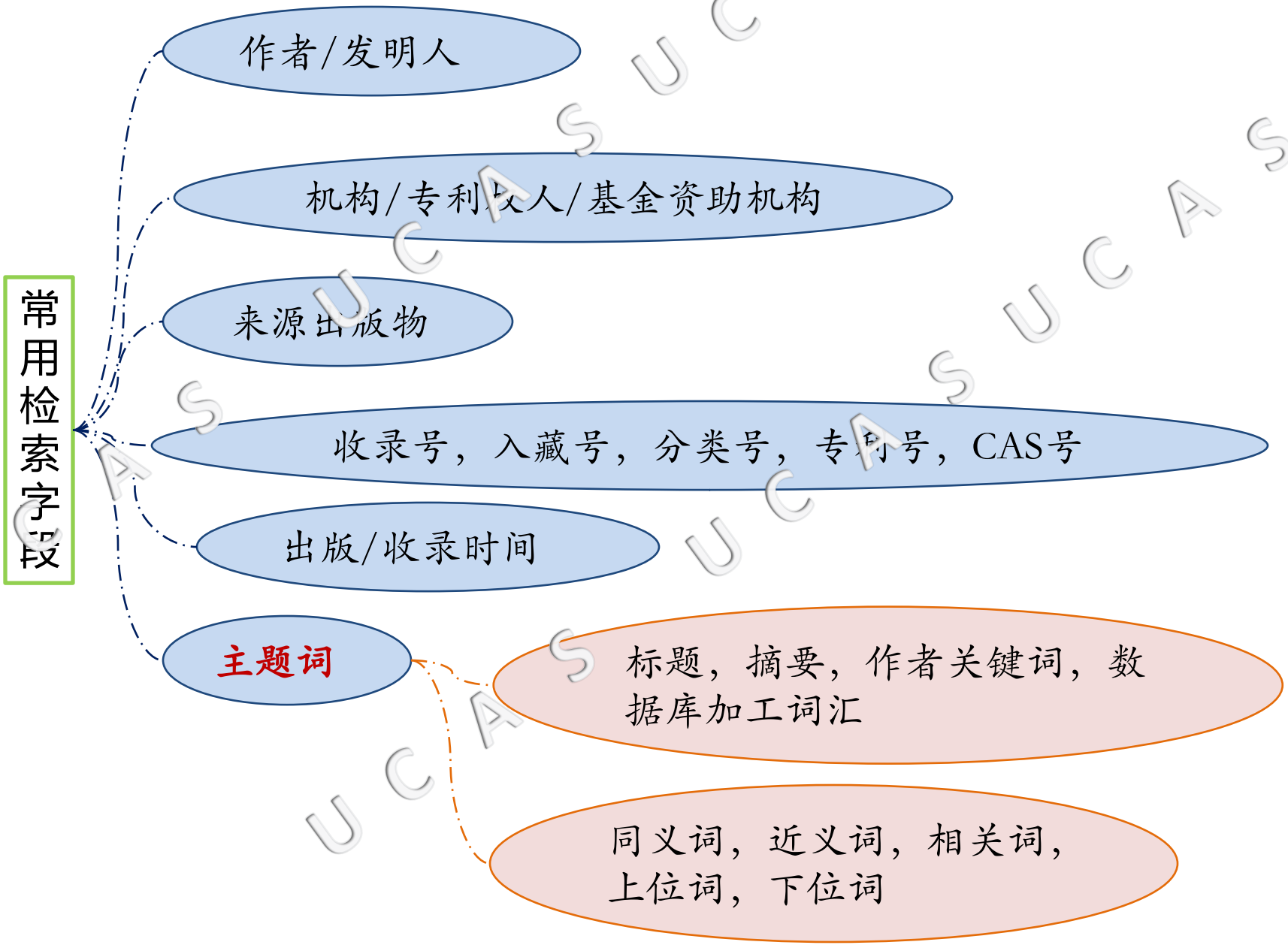
WOS 1) COVID-19 and vaccine

Scopus: 2) SARS-CoV-2 与1）

PubMed: 1) SARS-CoV-2 or COVID-19

2) 1）与vaccine

2. 构建检索策略



作者名字的多种写法

Sun CL, Sun C-L, Sun C. L., Sun C.

机构名称的多种写法

Univ Calif Davis，Dept Plant Sci

Univ Calif Davis ，Dep Plant Sci

Univ Calif Davis, Plant Sci Dept

Univ Calif, Dept Plant Sci

UCD, Dept Plant Sci

词的多种写法

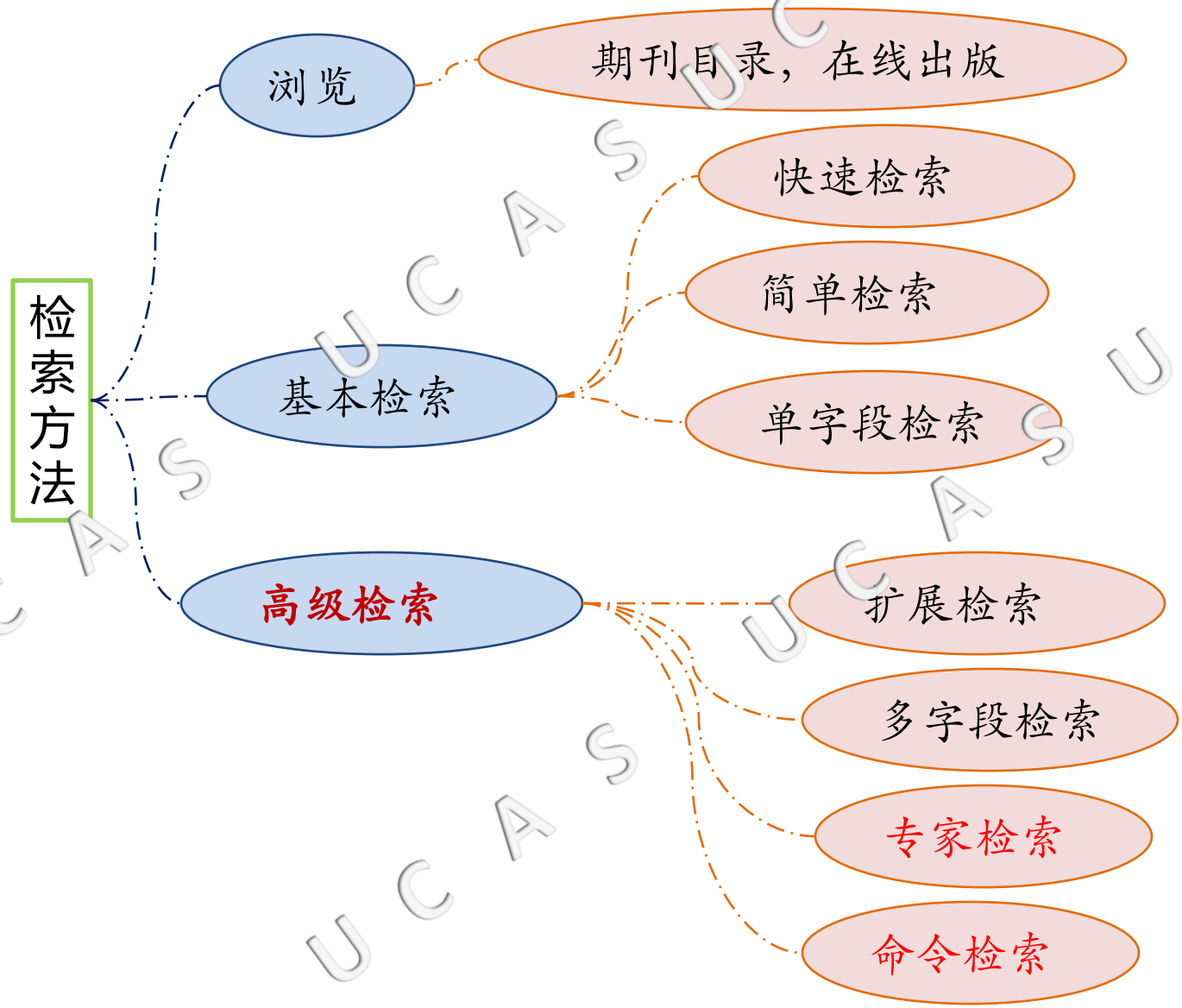
Coronaviridae （上位词）

Coronavirus（上位词）

SARS-CoV （相关词）

MERS-CoV （相关词）

SARS-CoV-2， COVID-19 （同义词）


检索方法
浏览
期刊目录，在线出版
基本检索
快速检索
简单检索
单字段检索
高级检索
扩展检索
多字段检索
专家检索
命令检索

选择数据库 Web of Science 核心合集

基本检索 作者检索BETA 被引参考文献检索 高级检索 化学结构检索

使用字段标识、布尔运算符、括号和检索结果集来创建检索式。结果显示在页面底部的 "检索历史" 中。(了解高级检索)

示例: TS=(nanotub* AND carbon) NOT AU=Smalley RE
#1 NOT #2 更多示例 | 查看教程

示例，照着修改成自己的要检索的内容

检索

通过语种和文献类型限制检索结果:

All languages
English
Afrikaa
Arabic

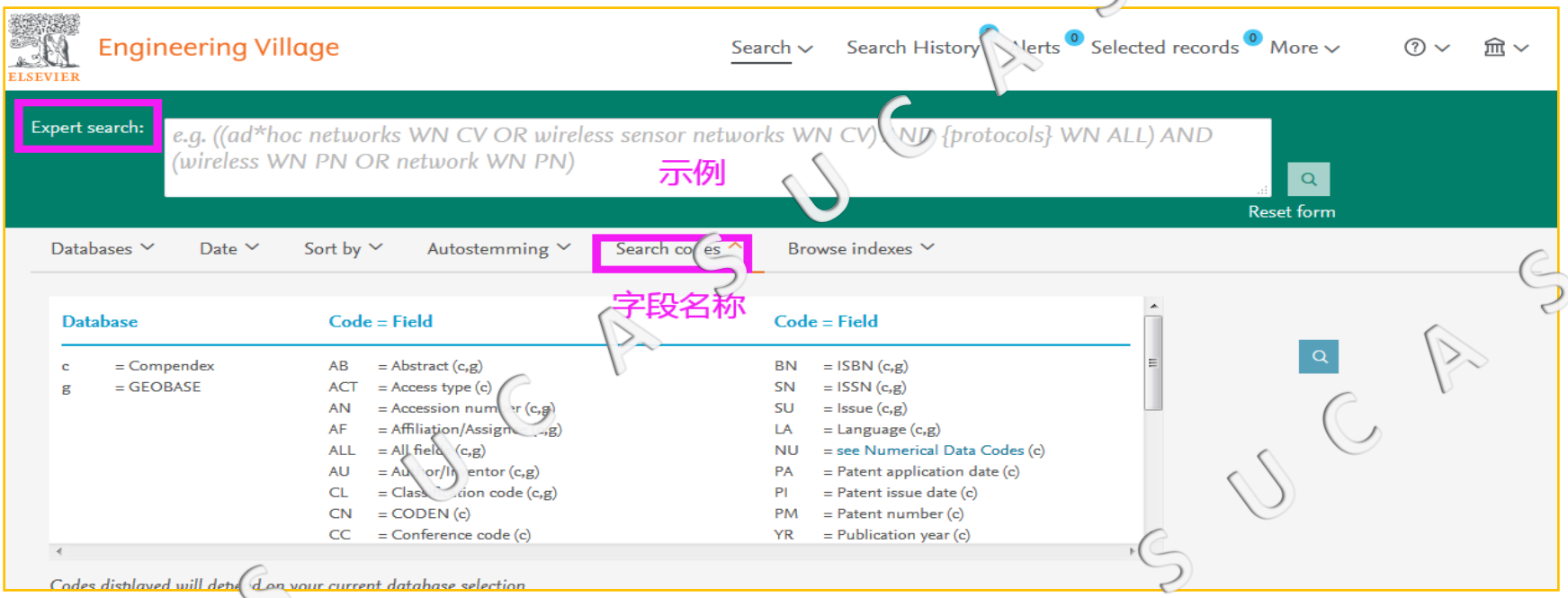
All document types
Article
Abstract of Published Item
Art Exhibit Review

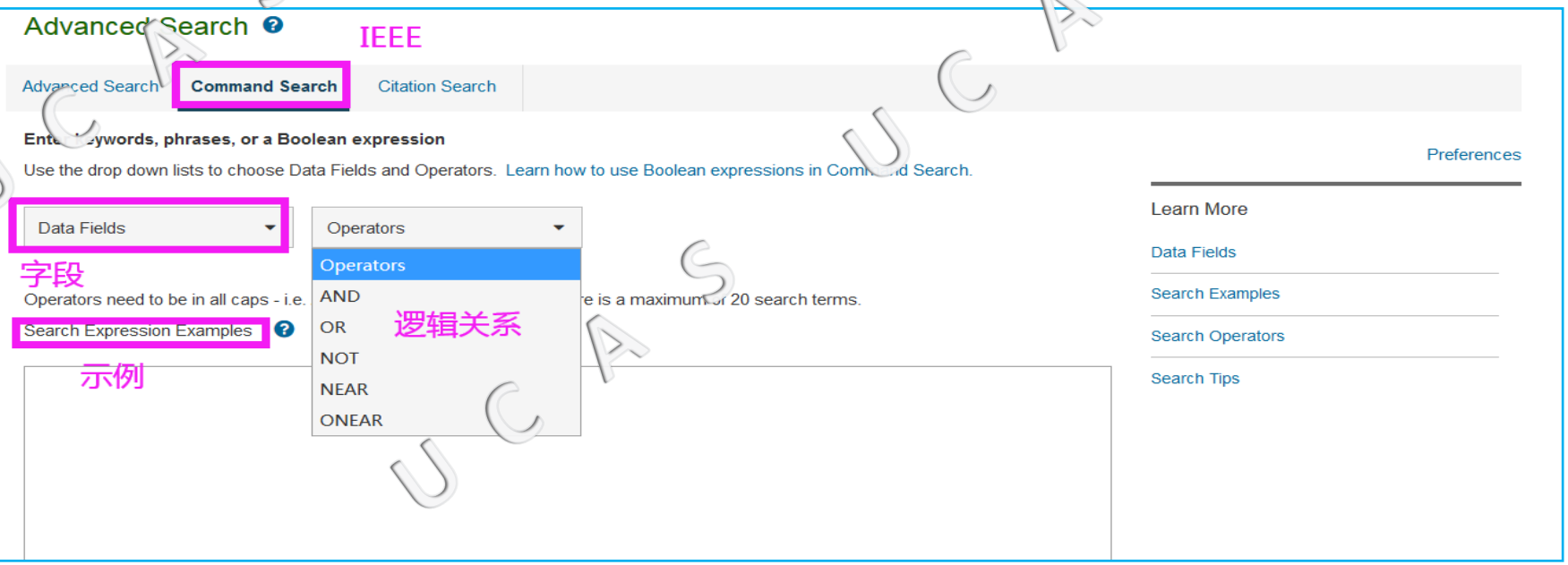
逻辑运算及字段名称

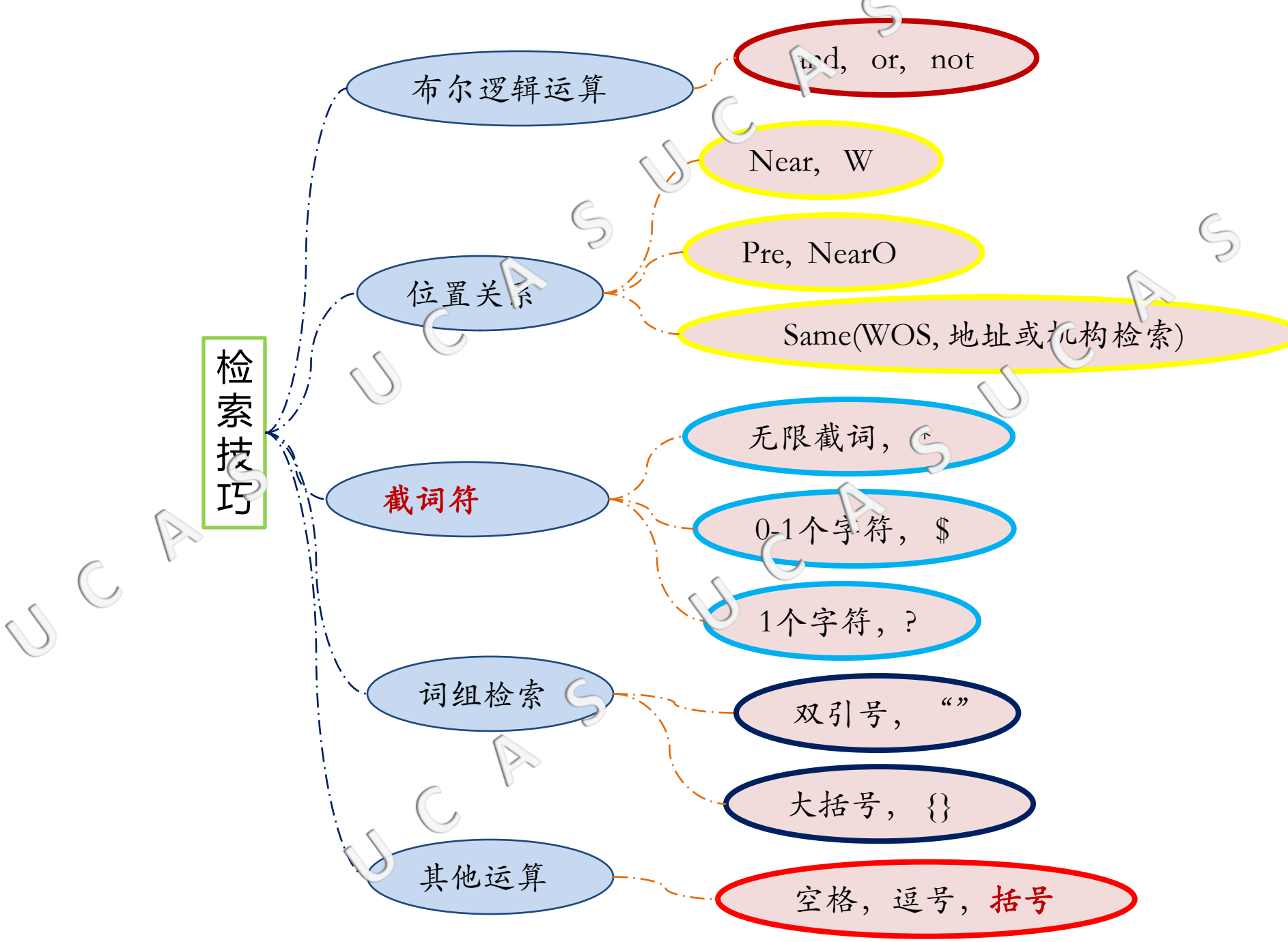
布尔运算符: AND、OR、NOT、SAME、NEAR

字段标识

TS= 主题
TI= 标题
AU= 作者 [索引]
AI= 作者识别号
GP= 团体作者 [索引]
ED= 编者
SO= 出版物名称 [索引]
DO= DOI
PY= 出版年
CF= 会议
AD= 地址
OG= 机构扩展 [索引]
OO= 机构
SG= 下属机构
AB= 摘要
AK= 作者关键词
KP= Keyword Plus ®
SA= 街道地址
CI= 城市
PS= 省/州
CU= 国家/地区
ZP= 邮政编码
FO= 基金资助机构
FG= 授权号
FT= 基金资助信息
SU= 研究方向
WC= Web of Science 分类
IS= ISSN/ISBN
UT= 入藏号
PMID= PubMed ID
ALL= 所有字段


Engineering Village
ELSEVIER
Search
Search History
Alerts
Selected records
More
Expert search:
e.g. ((ad*hoc networks WN CV OR wireless sensor networks WN CV) AND {protocols} WN ALL) AND (wireless WN PN OR network WN PN)
示例
Reset form
Databases
Date
Sort by
Autostemming
Search codes
Browse indexes
字段名称
Database
Code = Field
Code = Field
c = Compendex
g = GEOBASE
AB = Abstract (c,g)
ACT = Access type (c)
AN = Accession number (c,g)
AF = Affiliation/Assign...,g)
ALL = All fiel... (c,g)
AU = Au...or/I...entor (c,g)
CL = Class...tion code (c,g)
CN = CODEN (c)
CC = Conference code (c)
BN = ISBN (c,g)
SN = ISSN (c,g)
SU = Issue (c,g)
LA = Language (c,g)
NU = see Numerical Data Codes (c)
PA = Patent application date (c)
PI = Patent issue date (c)
PM = Patent number (c)
YR = Publication year (c)
Codes displayed will depend on your current database selection


Advanced Search
IEEE
Advanced Search
Command Search
Citation Search
Enter keywords, phrases, or a Boolean expression
Use the drop down lists to choose Data Fields and Operators. Learn how to use Boolean expressions in Command Search.
Preferences
Data Fields
Operators
字段
Operators
AND
OR
NOT
NEAR
ONEAR
逻辑关系
Operators need to be in all caps - i.e. ... is a maximum of 20 search terms.
Search Expression Examples
示例
Learn More
Data Fields
Search Examples
Search Operators
Search Tips


检索技巧
布尔逻辑运算
and, or, not
位置关系
Near, W
Pre, NearO
Same(WOS, 地址或机构检索)
截词符
无限截词，*
0-1个字符，$
1个字符，?
词组检索
双引号，“”
大括号，{}
其他运算
空格，逗号，括号

COVID-19 **and** vaccine 关于新冠的疫苗 

SARS-CoV-2 **or** COVID-19 关于新冠 

SARS-CoV-2 **not** SARS-CoV 只要新冠，不要SARS 

COVID-19 **near/n** vaccine 两词前后顺序可变， 隔开不超过n个词

COVID-19 **pre/n** vaccine 两词前后顺序不变， 隔开不超过n个词

Univ Calif Davis **same** Dep Plant Sci （WOS）

Chinese Acad Sci **same** Inst Zoo （WOS）

截词符

星号*： 无限截词　　Coronavir*-- Coronaviridae， Coronavirus

问号?： 1个字符　　crop?*--crops

Dollar $： 0-1个字符　　crop$--crop, crops

短语

双括号“”：　“SARS-CoV”-- SARS-CoV、SARS CoV

大括号{}：　{SARS-CoV}-- SARS-CoV

空格： and

逗号： or

括号：优先运行

检索式

(ti=(SARS-CoV-2 or COVID-19) and ab=(diagnos* or therap* or vaccine$) and py=(2020-2021)) （WOS）

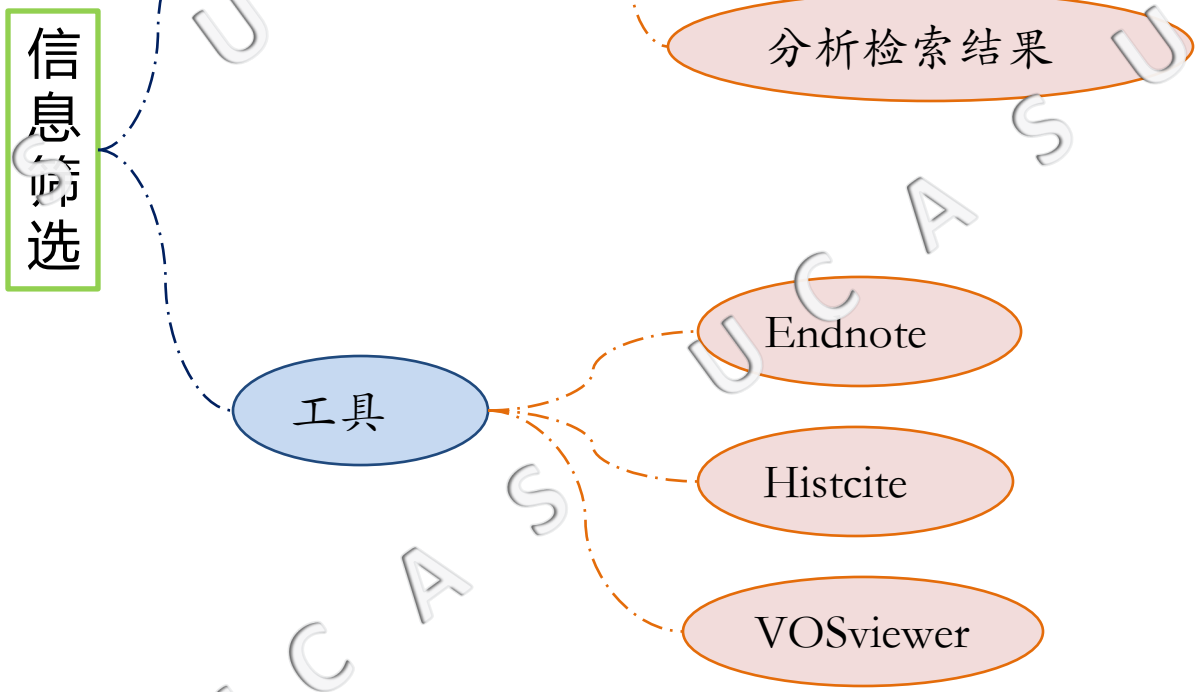
(TITLE(SARS-CoV-2 OR COVID-19) OR ABS(diagnos* OR therap* OR vaccine$)) AND (PUBYEAR IS 2020 OR PUBYEAR IS 2021) （SCOPUS）

初步检索

阅读文献

修改检索式

3. 信息筛选




Web of Science
数据库筛选
Clarivate Analytics
检索
工具
检索和跟踪
检索历史
标记结果列表
检索结果: 19,795
(来自 Web of Science 核心合集)
您的检索: (ti=(SARS-CoV-2 or COVID-19) and ab=(diagnos* or therap* or vaccine$) and py=(2020-2021)) ...更多内容
创建跟踪
精炼检索结果
二次检索
过滤结果依据:
领域中的高被引论文 (1,373)
领域中的热点论文 (299)
开放获取 (18,389)
精炼
精炼
出版年
2021 (7,477)
2020 (12,318)
更多选项/分类...
排序方式: 日期
被引频次
使用次数
相关性
更多
排序
1 / 1,980
选择页面
导出...
添加到标记结果列表
分析检索结果
引文报告功能可用。 [?]
分析检索结果
1. Dark Web Marketplaces and COVID-19: before the vaccine
作者: Bracci, Alberto; Nadini, Matthieu; Aliapoulios, Maxwell; 等.
EPJ DATA SCIENCE 卷: 10 期: 1 文献号: 6 出版年: DEC 21 2021
出版商处的免费全文
查看摘要
被引频次: 0
(来自 Web of Science 的核心合集)
使用次数
2. Herbal Compounds from Syzygium aromaticum and Cassia acutifolia as a Shield against SARS-CoV-2 M-pro: a Molecular Docking Approach
作者: Yunus, Ghazala
BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY 卷: 11 期: 6 页: 14853-14865 出版年: DEC 15 2021
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被引频次: 0
(来自 Web of Science 的核心合集)
使用次数
3. Effects of COVID-19 on in-hospital cardiac arrest: incidence, causes, and outcome - a retrospective cohort study
作者: Roedl, Kevin; Soeffker, Ge...; Fischer, Dominik; 等.
SCANDINAVIAN JOURNAL OF TRAUMA RESUSCITATION & EMERGENCY MEDICINE 卷: 29 期: 1 文献号: 30
出版年: DEC 8 202...
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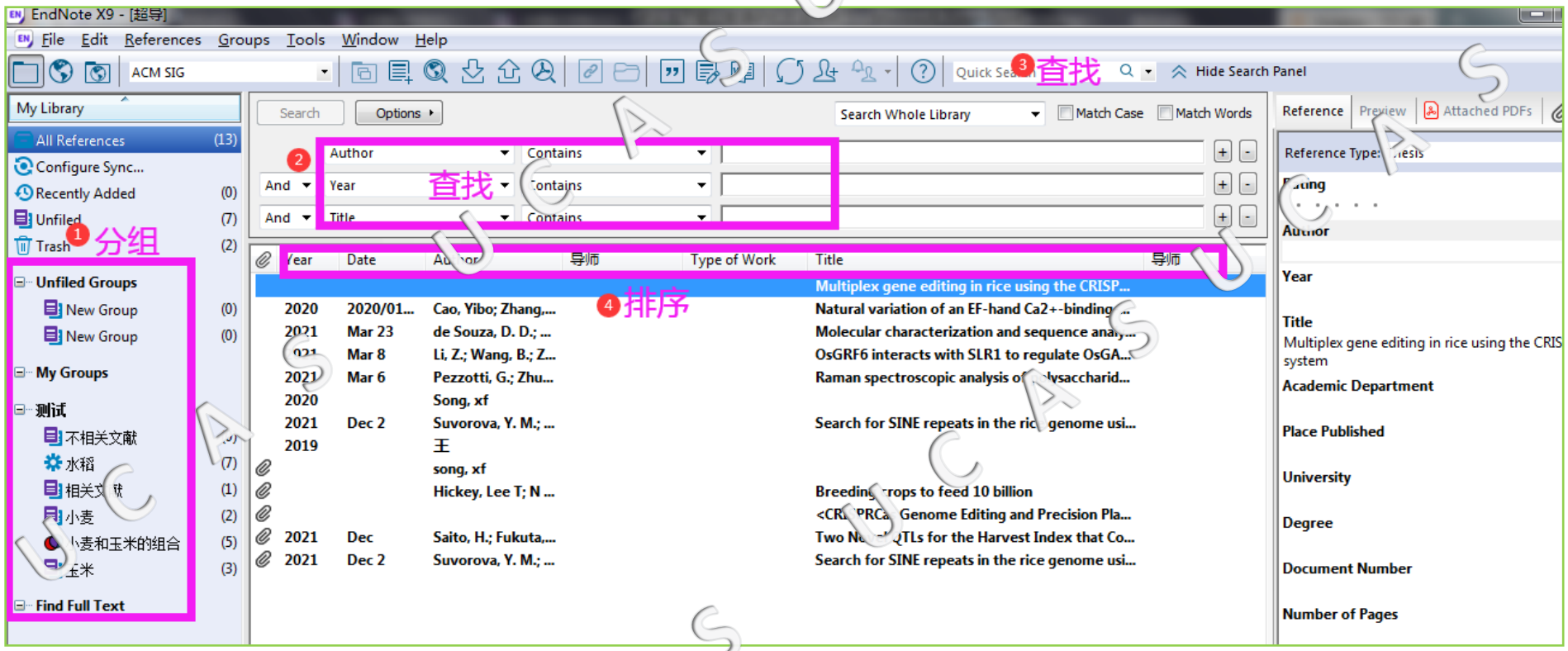
查看摘要
被引频次: 0
(来自 Web of Science 的核心合集)
使用次数
4. COVID-19 and cytokine storm syndrome: can what we know about interleukin-6 in ovarian cancer be ...pplied?
作者: Maccio, Antonio; Oppi, Sara; Madeddu, Clelia
被引频次: 0
(来自 Web of Science 的核心合集)


Scopus
数据库筛选
检索 来源出版物 列表
659,322 文献搜索结果
(TITLE (sars-cov-2 OR covid-19) OR ABS (diagnos* OR therap* OR vaccine$)) AND (PUBYEAR = 2020 OR PUBYEAR = 2021)
编辑 保存 设置通知
二次检索
排序
精简搜索结果
辅助文献 专利
分析搜索结果
显示所有摘要
排序对象：施引文献
精简搜索结果
限制范围 排除
开放获取
All Open Access (353,106)
Gold (196,917)
Hybrid Gold (43,517)
Bronze (84,914)
Green (209,620)
详细了解
年份
2021 (219,247)
2020 (440,075)
作者姓名
Sahebkar, A. (179)
Wlwanitkit, V. (164)
全部 CSV 导出 下载 查看引文概览 查看施引文献 保存到列表
文献标题 作者 年份 来源出版物 施引文献
1 Clinical course and risk factors for mortality of adult inpatients with COVID-19 in Wuhan, China: a retrospective cohort study
开放获取
Zhou, F., Yu, T., Du, R., (...), Chen, H., Cao, B.
2020
The Lancet
395(10229), pp. 1054-1062
8363
查看摘要 View at Publisher 相关文献
2 Clinical Characteristics of 138 Hospitalized Patients with 2019 Novel Coronavirus-Infected Pneumonia in Wuhan, China
开放获取
Wang, D., Hu, B., Hu, C., (...), Wang, X., Peng, Z.
2020
JAMA - Journal of the American Medical Association
323(11), pp. 1061-1069
8298
查看摘要 View at Publisher 相关文献
3 Characteristics of and Important Lessons from the Coronavirus Disease 2019 (COVID-19) Outbreak in China: Summary of a Report of 72314 Cases from the Chinese Center for Disease Control and Prevention
Wu, Z., McGoogan, J.M.
2020
JAMA - Journal of the American Medical Association
323(13), pp. 1239-1242
5797
View at Publisher 相关文献

工具筛选--Endnote



工具筛选—Histcite

File Analyses View Tools Help

HistCite™

Untitled Collection

List of All Records

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数据统计

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#	Date / Author / Journal	LCS	GCS	LCR	CR
1	1 Lv M, Deng C, Li XY, Zhao XD, Li HM, et al. **Identification and fine-mapping of RppCML496, a major QTL for resistance to Puccinia polysora in maize** PLANT GENOME. ; : Art. No. e20062	0	0	2	27
2	2 Galiano-Carneiro AL, Kessel B, Presterl T, Maner T **Intercontinental trials reveal stable QTL for Northern corn leaf blight resistance in Europe and in Brazil** THEORETICAL AND APPLIED GENETICS. ;	0	0	2	92
3	3 Gaikpa DS, Kessel B, Presterl T, Ouzunova M, Galiano-Carneiro AL, et al. **Exploiting genetic diversity in two European maize landraces for improving Gibberella ear rot resistance using genomic tools** THEORETICAL AND APPLIED GENETICS. ;	0	0	7	103
4	4 Zhang M, Ji YK, Ma YY, Zhang Q, Wang Q, et al. **Identification of QTLs and Candidate Genes Associated with Leaf Angle and Leaf Orientation Value in Maize (Zea mays L.) Based on GBS** TROPICAL PLANT BIOLOGY. ;	0	0	1	48
	2015				
5	5 Wang TT, Wang M, Hu ST, Xiao YN, Tong H, et al. **Genetic basis of maize kernel starch content revealed by high-density single nucleotide polymorphism markers in a recombinant inbred line population** BMC PLANT BIOLOGY. 2015 DEC 12; 15: Art. No. 288	0	16	0	86
6	6 Liu HJ, Niu YC, Gonzalez-Portilla PJ, Zhou HK, Wang LY, et al. **An ultra-high-density map as a community resource for discerning the genetic basis of quantitative traits in maize** BMC GENOMICS. 2015 DEC 21; 16: Art. No. 1078	0	24	0	66
7	7 Li YX, Wu X, Jaqueth J, Zhang DF, Cui DH, et al. **The Identification of Two Head Smut Resistance-Related QTL in Maize by the Joint Approach of Linkage Mapping and Association Analysis**	0	4	0	47

引用与被引用

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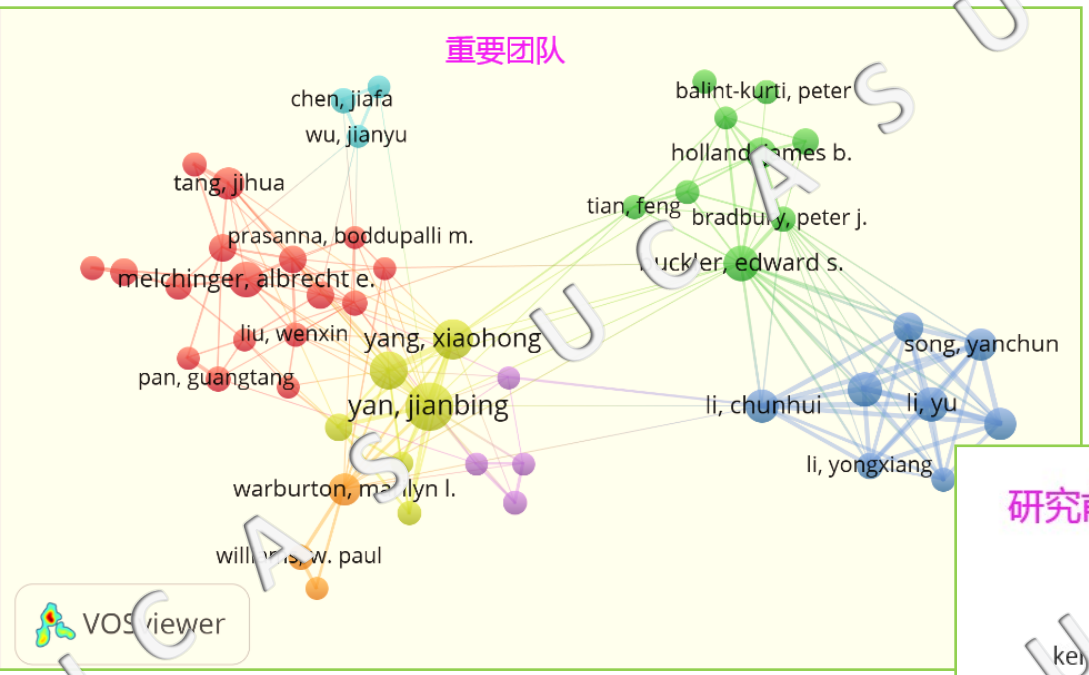

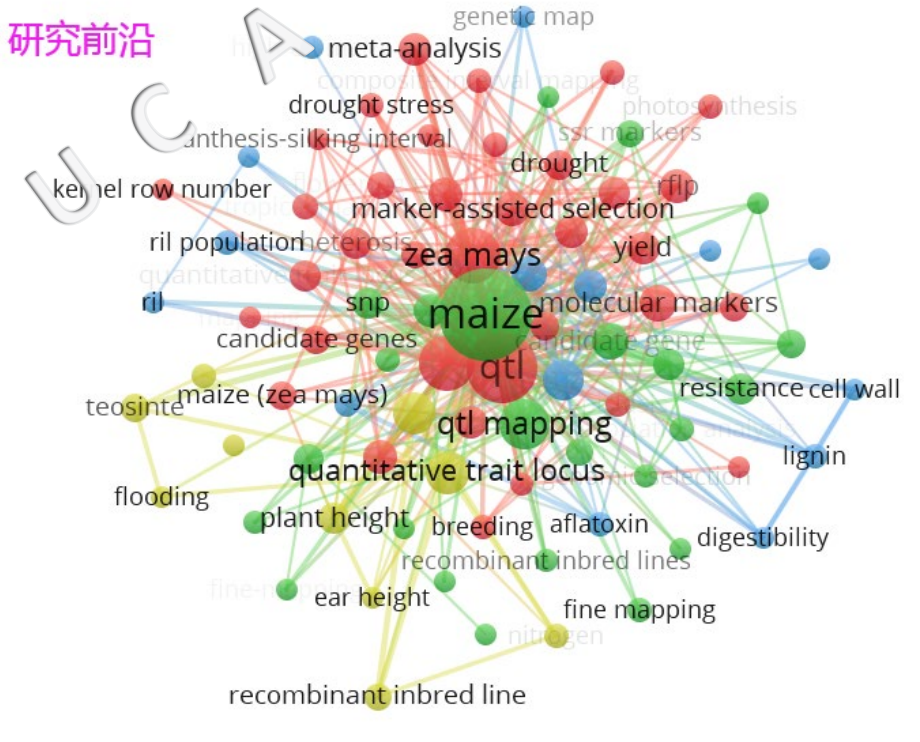

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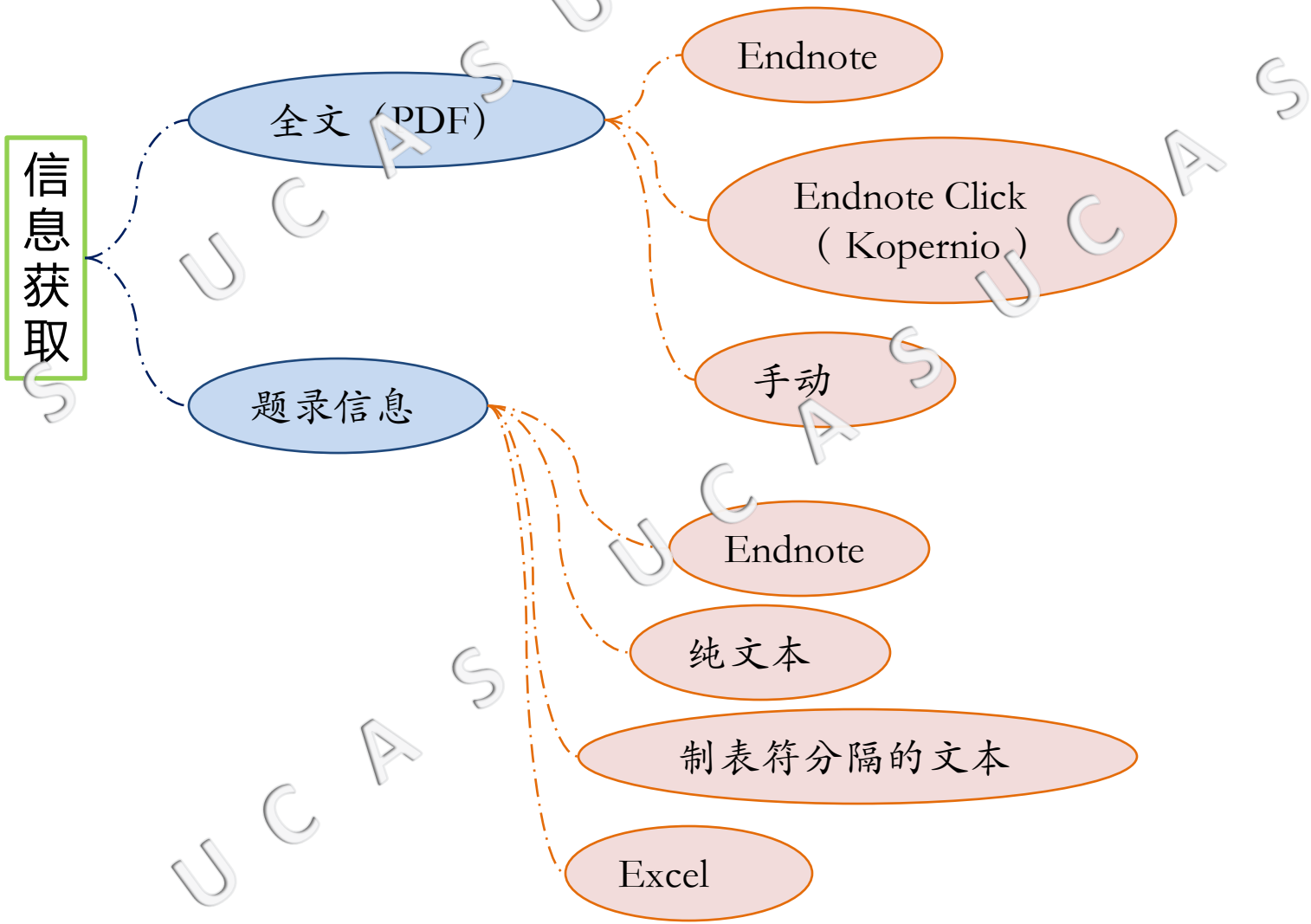

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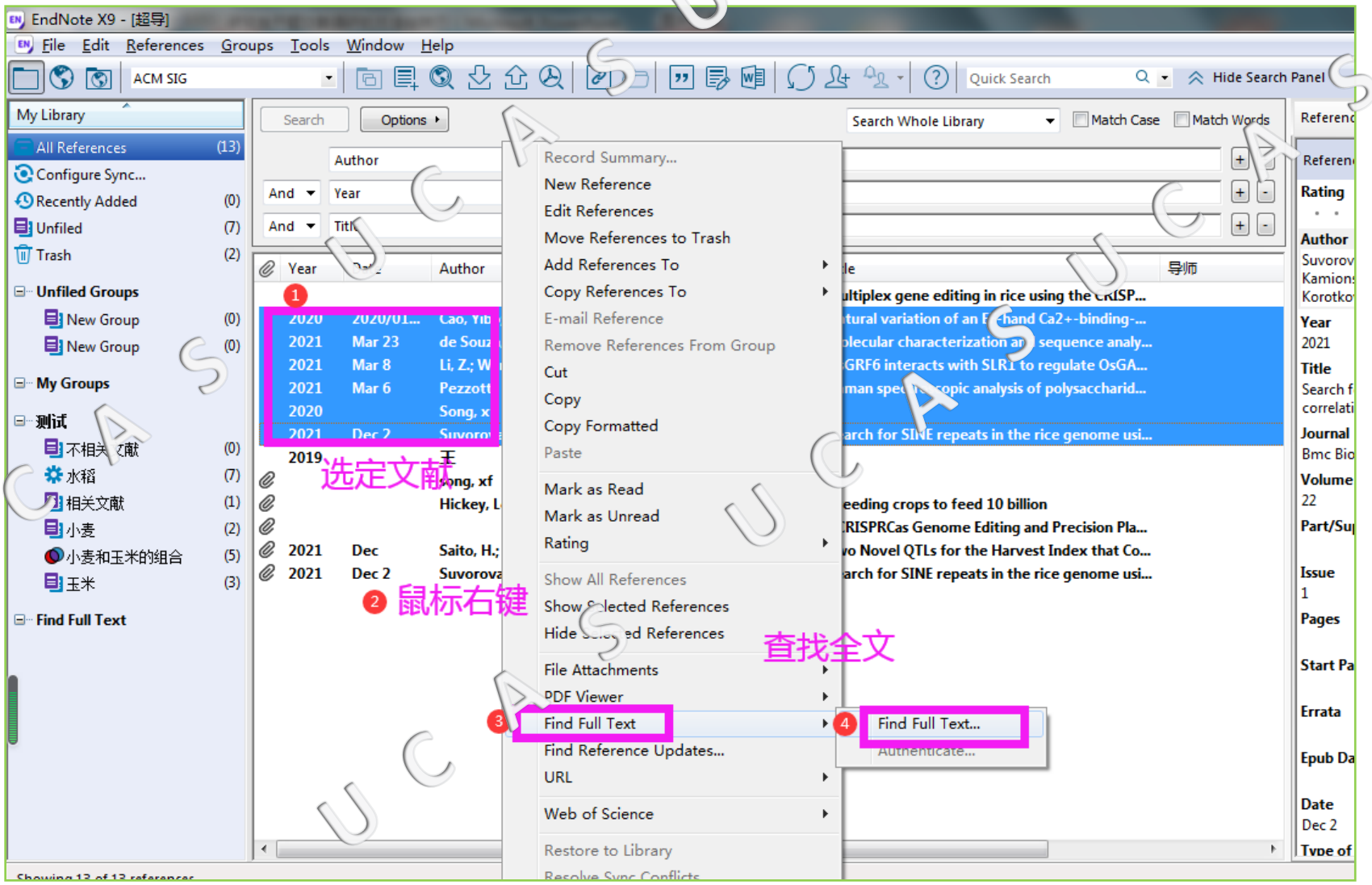

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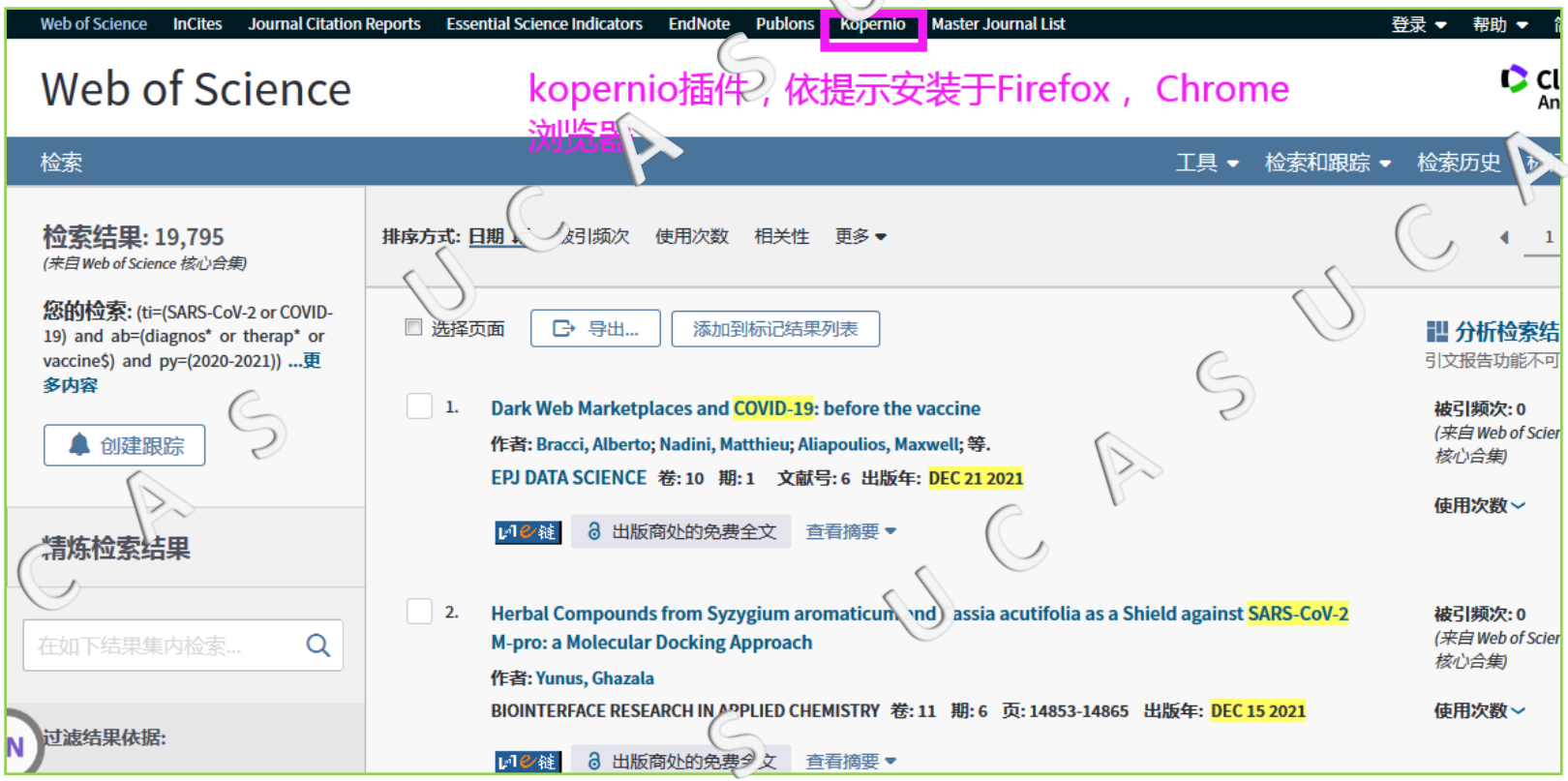

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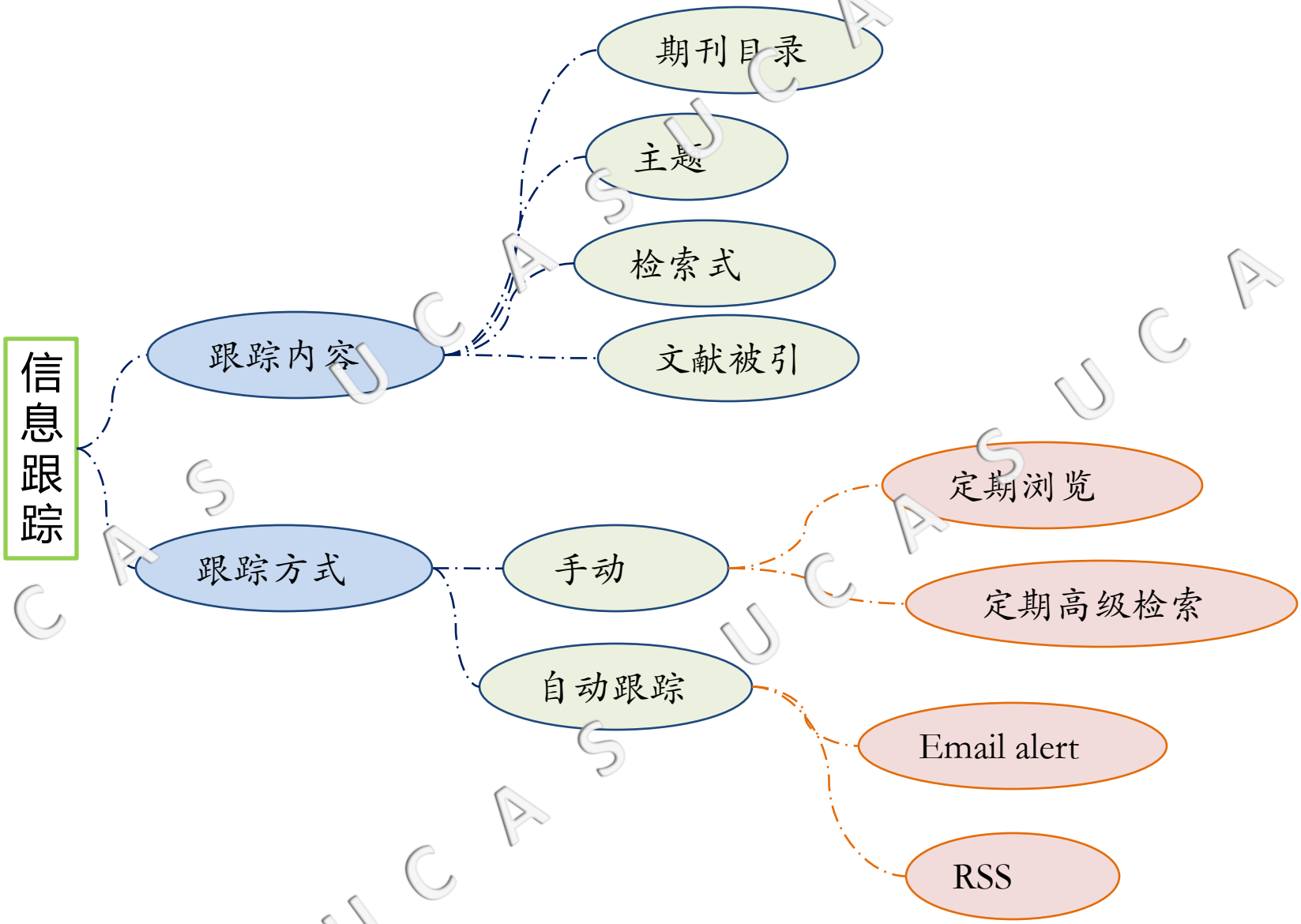
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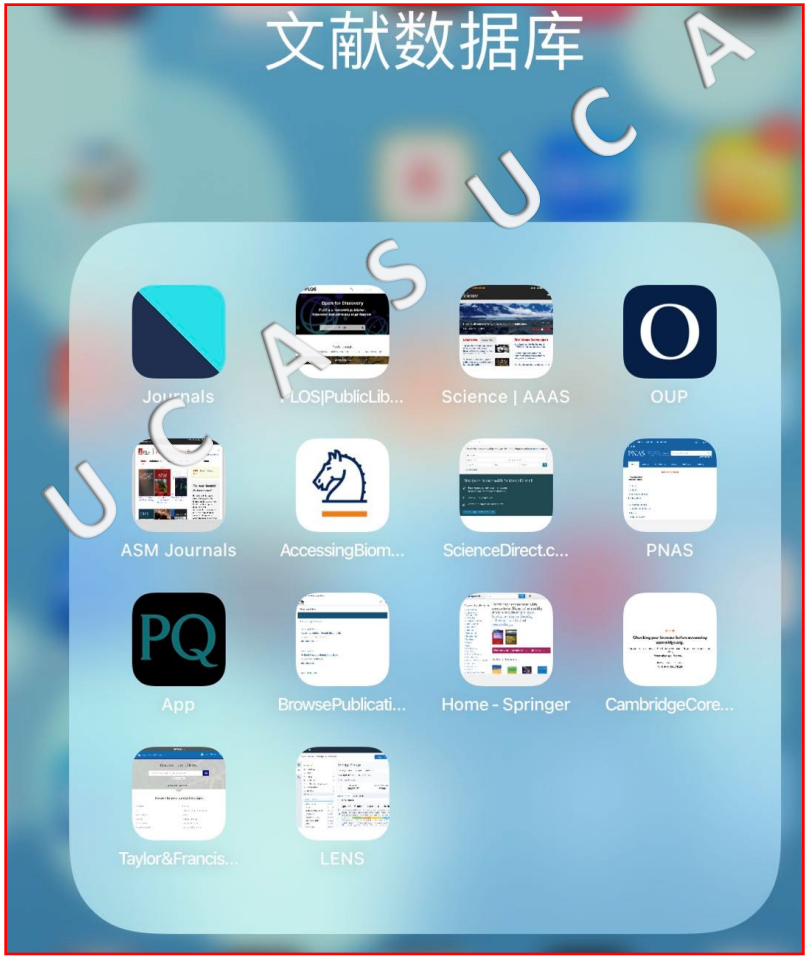

利用是核心

检索是关键

需求是前提

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学术道德

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