

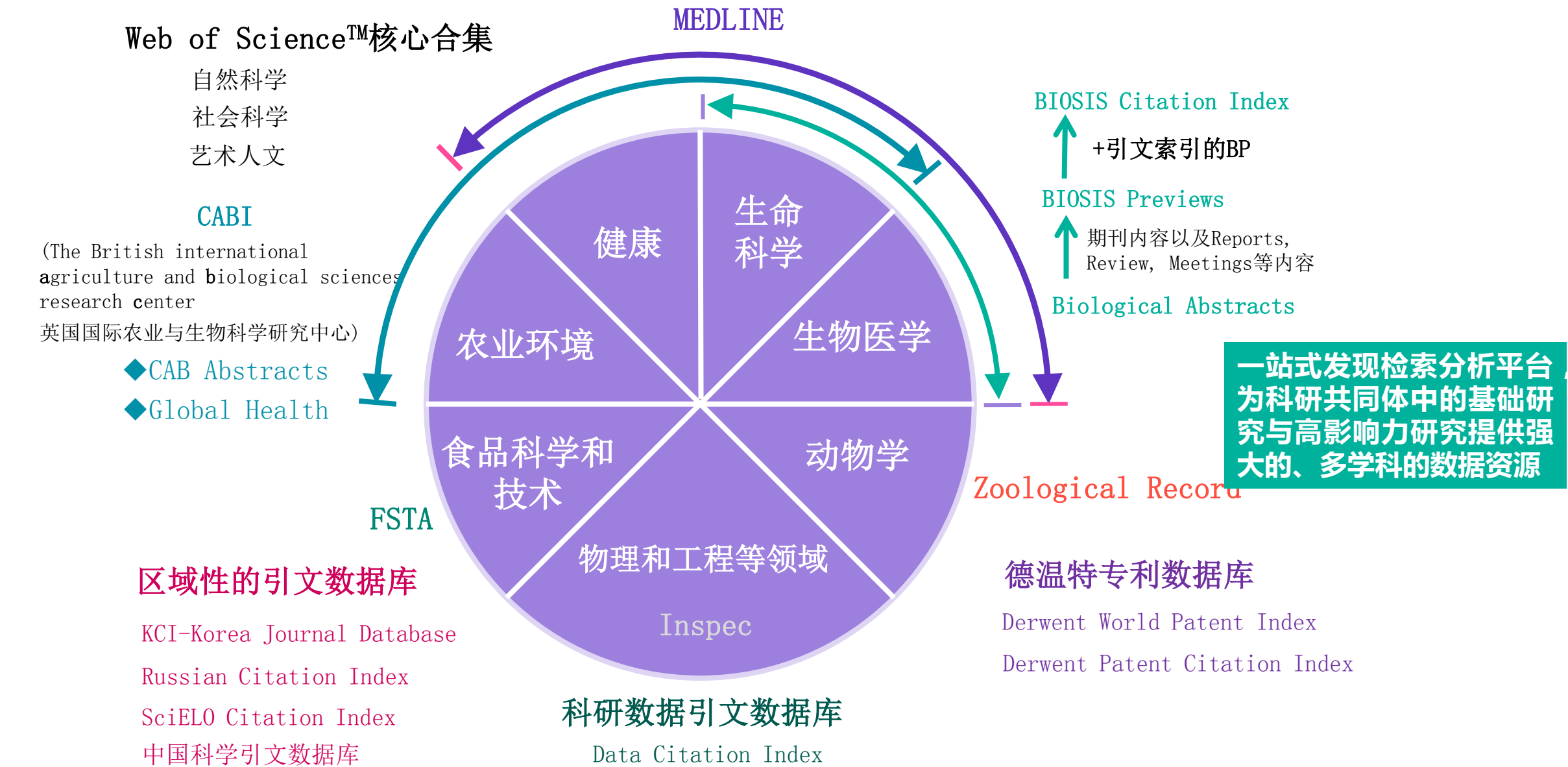
新版Web of Science平台功能介绍及应用

目录

1. Web of Science平台资源简介
2. New Web of Science升级简介
3. New Web of Science界面与新功能

1 Web of Science平台资源简介

Web of Science™平台



Web of Science™核心合集数据库



- Science Citation Index Expanded (科学引文索引)

178个学科的9500多种高质量学术期刊

- Social Sciences Citation Index (社会科学引文索引)

58个社会科学学科的3500多种权威学术期刊

- Arts & Humanities Citation Index (艺术与人文引文索引)

收录28个人文艺术领域学科的1800多种国际性、高影响力的学术期刊的数据内容

- Emerging Sources Citation Index (ESCI) --2005年至今

期刊
SCI+SSCI+A&HCI+ESCI



- Conference Proceedings Citation Index – Science+ Social Science & Humanities
(会议录引文索引– 自然科学版+社会科学与人文版)

超过200,000个会议录，涉及250多个学科

会议
CPCI-S+CPCI-SSH



- Book Citation Index - Science + Social Science & Humanities
(图书引文索引–自然科学版 + 社会科学与人文版)

收录超过101,800种学术专著，同时每年增加10,000种新书

图书
BKCI

- IC/CCR(化学类数据库)

包括超过100万种化学反应信息及420万种化合物

化学式
IC/CCR

Citation Indexes for Science

A New Dimension in Documentation
through Association of Ideas

Eugene Garfield

“The uncritical citation of disputed data by a writer, whether it be deliberate or not, is a serious matter. Of course, knowingly propagandizing unsubstantiated claims is particularly abhorrent, but just as many naive students may be swayed by unfounded assertions presented by a writer who is unaware of the criticisms. Buried in scholarly journals, critical notes are increasingly likely to be overlooked with the passage of time, while the studies to which they pertain, having been reported more widely, are

approach to subject control of the literature of science. By virtue of its different construction, it tends to bring together material that would never be collated by the usual subject indexing. It is best described as an association-of-ideas index, and it gives the reader as much leeway as he requires. Suggestiveness through association-of-ideas is offered by conventional subject indexes but only within the limits of a particular subject heading.

If one considers the book as the macro unit of thought and the periodical article

Citation
Index
引文索引

Dr. Eugene Garfield

(1925. 9.16–2017.2.26)

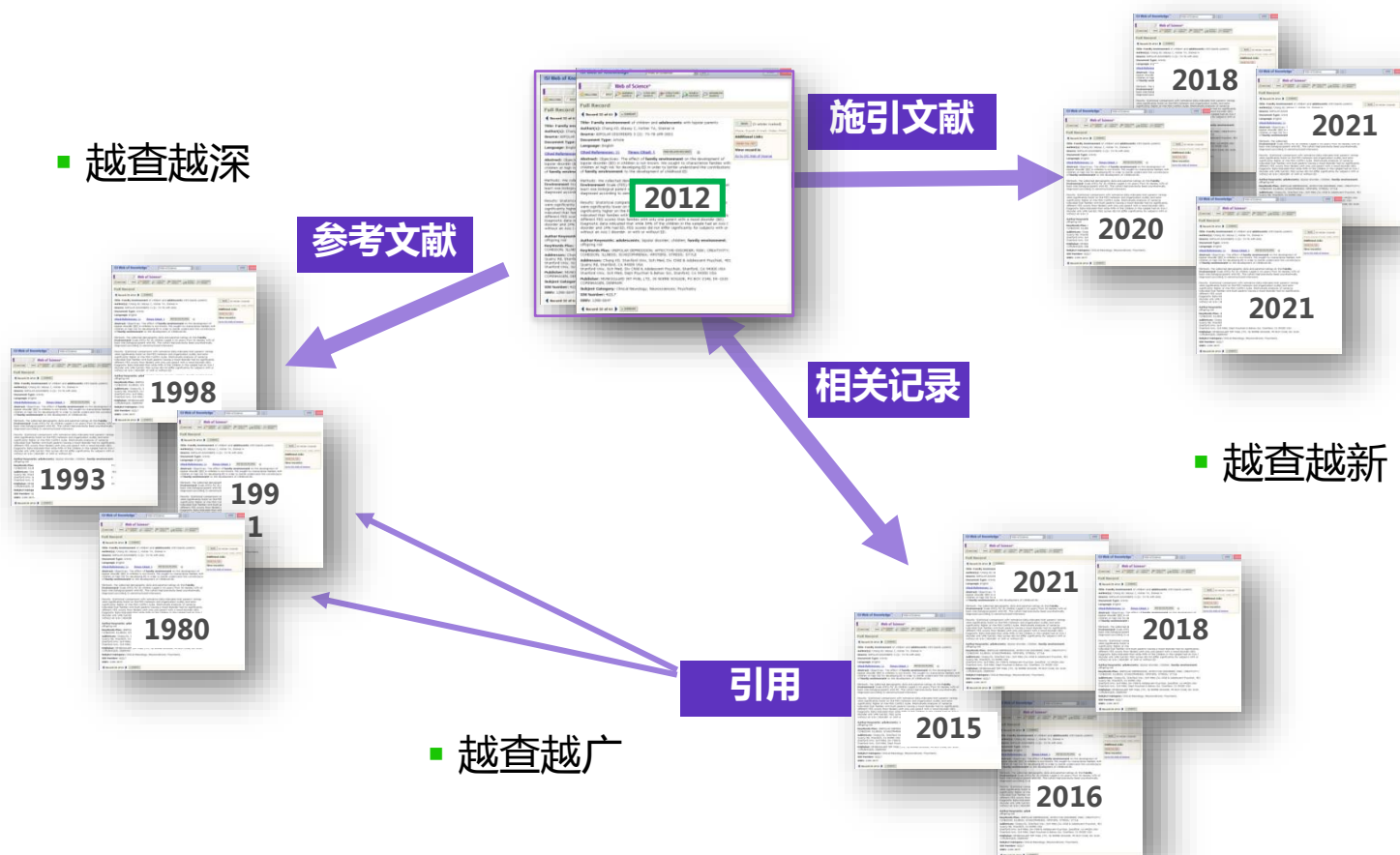
美国情报学家和科学计量学家

美国科学信息研究所创始人

Dr. Garfield 1955年在 *Science* 发表论文提出将引文索引作为一种新的文献检索与分类工具：将**一篇文献**作为检索字段从而跟踪一个Idea的发展过程及学科之间的交叉渗透的关系。

引文网络三维度检索——把握课题脉络 挖掘文献宝藏

从一篇高质量的文献出发，沿着科学研究的发展道路前行



2 New Web of Science升级简介

新版 Web of Science

- 研究体验
- 开放科学
- 研究影响
- 研究社群



研究体验

开放科学



研究影响

研究社群



New Web of Science升级更新速览

更新时间：截止到2021年5月27日

双平台权限时间节点

- 2020年11月30日，现有WoS用户全部开通
- 2021全部用户可双平台访问
- 2021年第三季度，全部用户直接访问New WoS，并可返回Classic WoS
- 2021年底，逐步关闭Classic WoS

已迁移的数据库

- Web of Science Core Collection
- BIOSIS Citation Index
- Biological Abstracts
- BIOSIS Previews
- Zoological Records
- Chinese Science Citation Database
- CABI: CAB Abstracts and Global Health
- Medline
- All Databases
- KCI-Korean Journal Database
- Russian Science Citation Index
- SciELO Citation Index
- Inspec
- Data Citation Index
- Arabic Citation Index
- FSTA
- 更多数据库持续迁移中...

已迁移功能

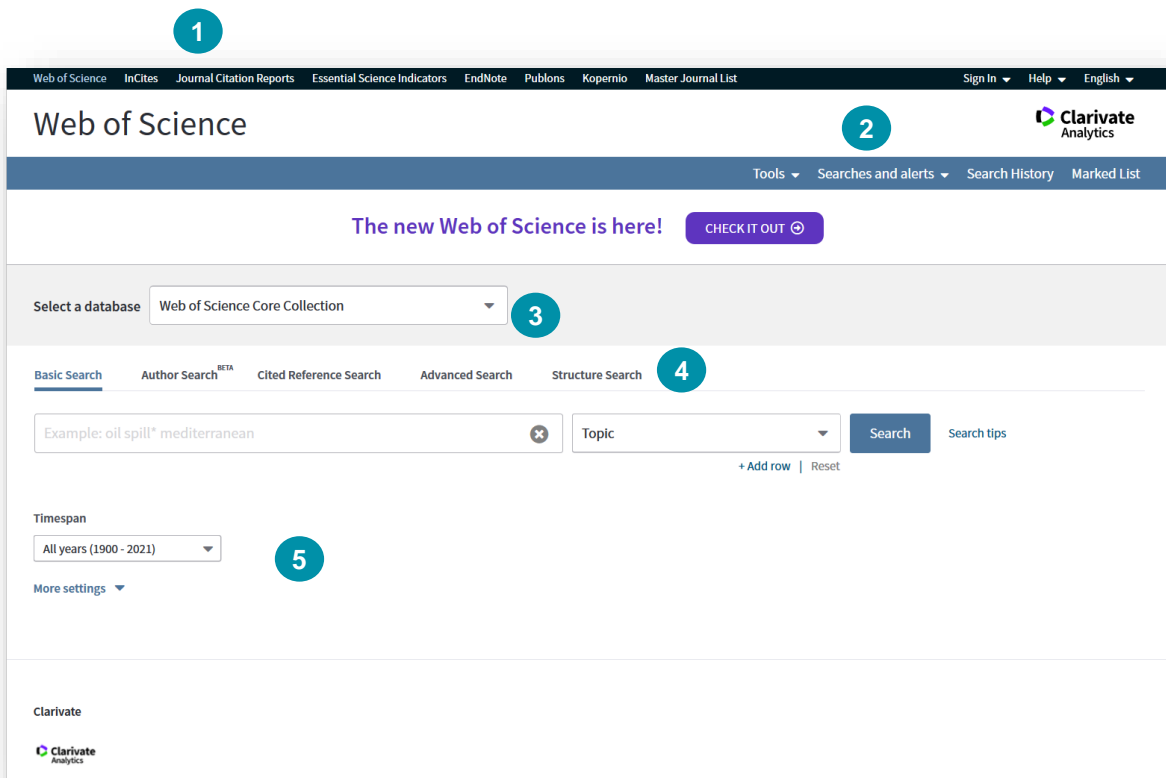
- 基本检索
- 高级检索
- 作者检索/作者记录
- 分析检索结果
- 创建引文报告及导出
- 文献导出格式EndNote、plain text file、Excel、导出至InCites及Publons等
- Publons同行评议徽章
- 创建跟踪，引文跟踪
- 全文选项
- Web of Science学科、WoScc作者姓名检索支持输入联想
- 简体中文、繁体中文、日语、俄语、葡萄牙语、西班牙语操作界面
- 其他功能持续迁移中...

改进功能

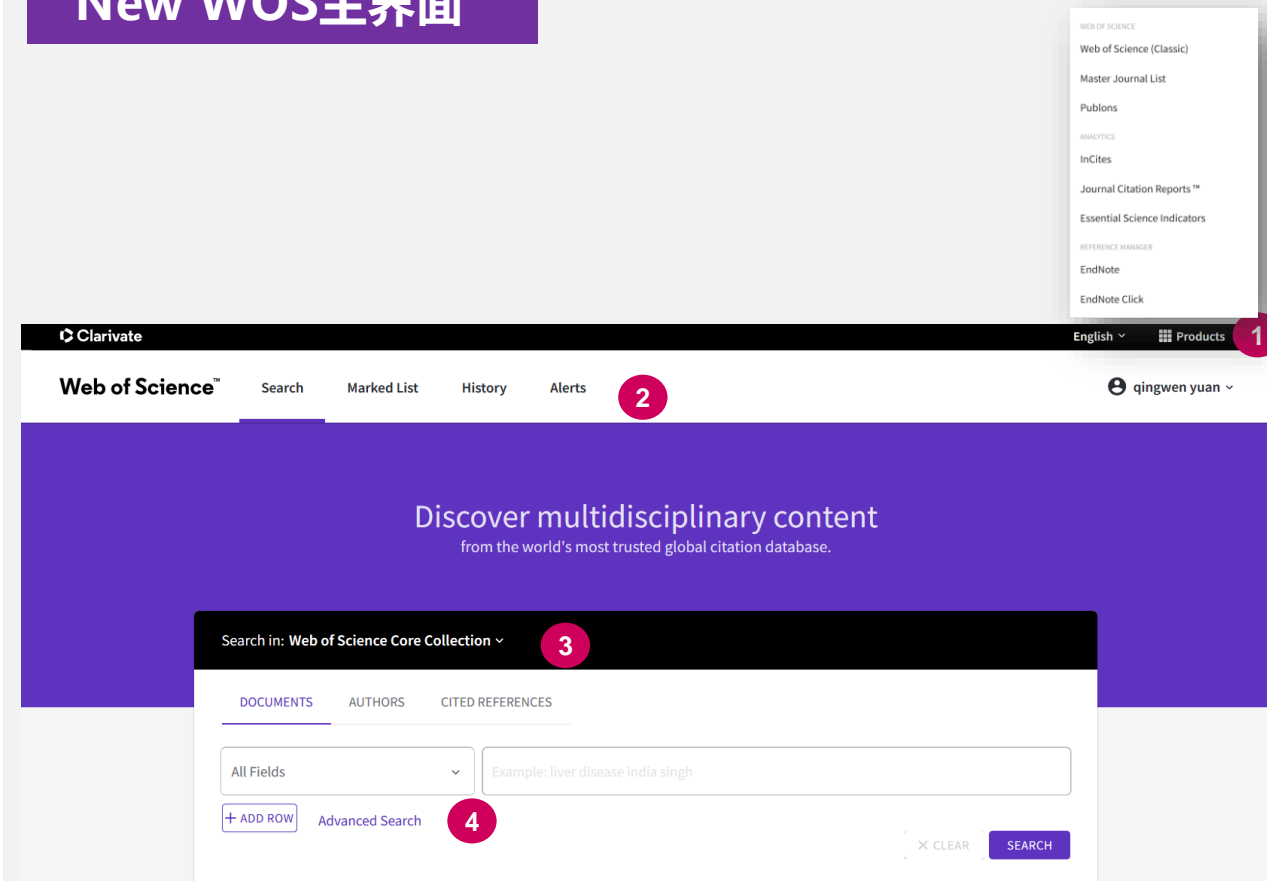
- 被引参考文献检索支持全库检索
- 新增publisher检索字段
- 新增导出 RIS格式
- 文献最多可一次性导出1000篇记录
- 新增作者影响力射束图
- 新增作者记录correction功能，合并作者记录功能
- 改进检索历史
- 标记结果列表新增精炼选项
- 资源中心Pendo
- 引文报告：精炼分析文献的出版年
- 可分享的检索链接
- 高级检索新增“Exact search”
- 新增Early Access、Review articles精炼选项
- 检索字段升级：Affiliation, DOI, Accession number, PubMed ID
- 您可也想要...文献推荐
- Enriched cited references
- 基金数据及字段
- Library custom branding
- 更多个性化功能持续升级中...

3 New Web of Science界面与新功能

Classic WOS主界面



New WOS主界面

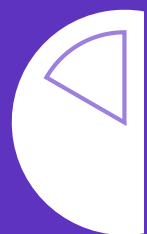


基本检索与高级检索均整合到文献检索模块

1. 相关数据库快捷访问入口
2. 科研管理及帮助选项
3. 检索数据库选择
4. 基本检索与高级检索位置
5. 文献出版时间设置

更加关注用户体验
让科研更高效

New Web of Science在科研中的应用



检索

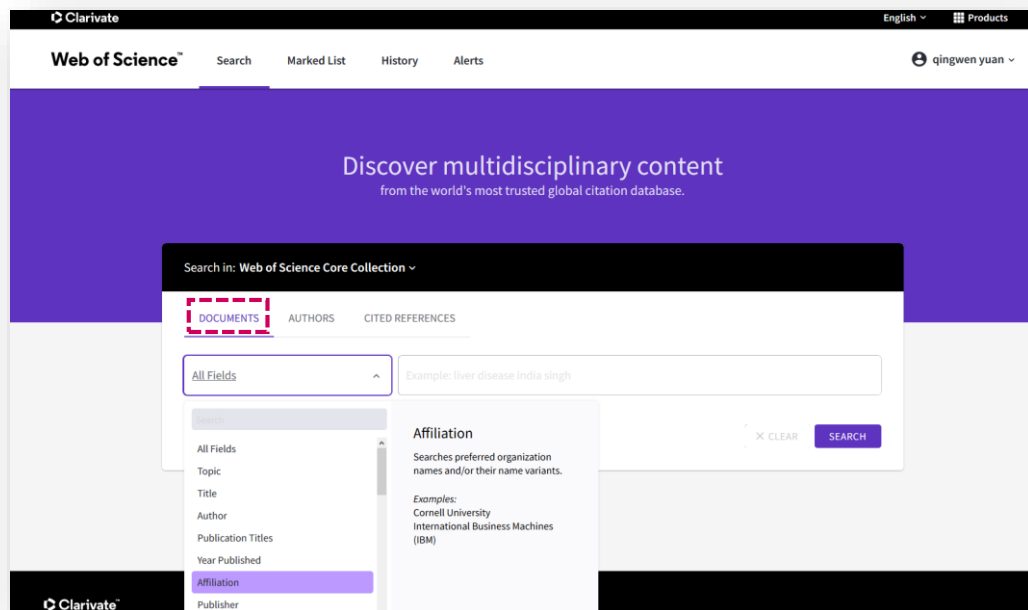


分析



管理

基本检索-检索字段变更及新增



出版商名称字段已归并 - 可获取较为完整的出版商发行文献

Classic WOS

New WOS

Topic	Topic
Title	Title
Author	Author
Publication name	Publication titles
Year published	Year published
Funding agency	Funding agency
Organization-enhanced	Affiliation
Accession number	Accession number
Address	Address
Author identifiers	Author identifiers
Conference	Conference
Document type	Document type
Doi	Doi
Editor	Editor
Grant number	Grant number
Group author	Group author
Language	Language
PubMed ID	PubMed ID
All fields	All fields

机构扩展字段由
Organization-enhanced
重命名为**affiliation**

Web of Science Categories
Publisher
Publication date
Author keywords
Keyword Plus®
Index date
Abstract

基本检索模块
新增检索字段

基本检索：机构检索示例

Search in: Web of Science Core Collection ▾

DOCUMENTS

AUTHORS

CITED REFERENCES

Affiliation ▾

+ ADD ROW

Advanced Search

chinese ×

Chinese Academy of Agricultural Engineering

Chinese Academy of Agricultural Sciences

Chinese Academy of Engineering Physics

Chinese Academy of Fishery Sciences 中国水产科学研究院

Chinese Academy of Forestry

Chinese Academy of Geological Sciences

Chinese Academy of Inspection & Quarantine

Chinese Academy of Medical Sciences - Peking Union Medical College

Affiliation字段新增输入联想功能，
可根据输入内容推荐提示归并后的机构

Clarivate™

Insert footer

15

基本检索-功能升级

支持输入一串DOI, 入藏号Accession Number、PubMed ID进行检索, 无需布尔运算符连接

10.1007/BF00656997

10.3322/caac.21262

10.22074/cellj.2021.6827

10.22034/gjesm.2021.01.06

The screenshot shows the Web of Science search results page. At the top, there's a navigation bar with 'Web of Science' logo, 'Search', 'Marked List', 'History', 'Alerts', and a user profile 'qingwen yuan'. Below the navigation bar, a search bar contains the query '10.1007/BF00656997 10.3322/caac.21262 10.22074/cellj.2021.6827 10.22034/gjesm.2021.01.06 (DOI)'. To the right of the search bar are buttons for 'ANALYZE RESULTS', 'CITATION REPORT', and 'CREATE ALERT'. Below the search bar, there's a 'Refine results' section with a search box and 'Quick Filters' for 'Highly Cited Papers' (1) and 'Open Access' (3). On the left, there's a 'Publication Years' filter with checkboxes for 2021 (2), 2015 (1), and 1981 (1). The main results area shows two results:

- 1. A Moderate Increase in Ambient Temperature Influences The Structure and Hormonal Secretion of Adrenal Glands in Rats. Popovska-Percinic, F; Manojlovic-Stojanowski, M; (...); Ajdzanovic, V. Win 2021 | Cell Journal. Objective: As a consequence of global warming, the increase in the average annual temperature is observed, while the living organisms actively adapt to these changes. High environmental temperature initiates numerous physiological, autonomic, and behavioral responses, and activates the stress response. Thus, the aim of the study was to investigate ... Show more. Free Full Text from Publisher *** View PDF with EndNote Click. 1 Citation, 39 References.
- 2. Evaluation of genotoxic potential induced by marine cage culture. Turan, F and Turgut, M. Sum 2021 | Global Journal Of Environmental Science And Management-gjesm. BACKGROUND AND OBJECTIVES: The eutrophication process is increased by anthropogenic or aquaculture facilities in marine ecosystems. DNA damage biomarkers for fish species detect genotoxic parameters for ecological risk assessment. The aim of the ... 36 References.

The screenshot shows the Web of Science search interface. At the top, there's a navigation bar with 'Web of Science' logo, 'Search', 'Marked List', 'History', 'Alerts', and a user profile 'qingwen yuan'. Below the navigation bar, a large purple banner reads 'Discover multidisciplinary content from the world's most trusted global citation database.' Below the banner, there's a search bar with the text 'Search in: Web of Science Core Collection'. To the right of the search bar are tabs for 'DOCUMENTS', 'AUTHORS', and 'CITED REFERENCES'. Below the search bar, there's a search input field with the query '10.1007/BF00656997 10.3322/caac.21262 10.22074/cellj.2021.6827 10.22034/gjesm.2021.01.06'. To the right of the search input field are buttons for '+ ADD ROW', 'Advanced Search', 'CLEAR', and 'SEARCH'.

高级检索

Advance search中
新增“精准匹配”开关

Exact search

Turning on **Exact Search** will limit your search to the exact terms you enter into the search field.

By default (Exact search off), *Web of Science* will automatically expand searches in the Topic, Title, Abstract, Keywords, and Keywords Plus fields to help you find the most relevant results.

For example, a search for *mouse* will return results with *mice*, and a search for *color* will return results *colour* or *colors*.

Web of Science uses a combination of stemming and lemmatization to achieve this.

高级检索新增字段

DOP= Publication Date

LD= Index Date

FD=Funding Details

FPY=Final Publication Year

[< BACK TO BASIC SEARCHES](#)

Advanced Search Query Builder

Search in: **Web of Science Core Collection** ▾

Add terms to the query search preview

All Fields ▾

Example: liver disease india singh

Add to query

Less options ▾

Select citation indexes from Web of Science Core Collection

All citation indexes

Exact search



精确匹配

Query Preview

Enter or edit your query here. You can also combine previous searches e.g. #5 AND #2

Field Tags ▾

× Clear

Search

Booleans : AND, OR, NOT [Examples](#)

Field Tags :

TS=Topic

TI=Title

AB=Abstract

AU=Author

AI=Author Identifiers

AK=Author Keywords

GP=Group Author

ED=Editor

KP=Keyword Plus®

SO=Publication Titles

DO=DOI

PY=Year Published

CF=Conference

AD=Address

OG=Affiliation

OO=Organization

SG=Suborganization

SA=Street Address

CI=City

PS=Province/State

CU=Country/Region

ZP=Zip/Postal Code

FO=Funding Agency

FG=Grant Number

FD=Funding Details

FT=Funding Text

SU=Research Area

WC=Web of Science

Categories

IS= ISSN/ISBN

UT=Accession Number

PMID=PubMed ID

LD=Index Date

DOP=Publication Date

PUBL=Publisher

ALL=All Fields

FPY=Final publication year

基金数据

- 5大基金数据来源
- 预计2021年将纳入20+的基金数据
- Grant Title
- Grant Summary
- Program Name
- Principle Investigator (and Co-Principle)
- Award Amount and Currency
- Grant Type
- Grant Duration
- Keywords



基金数据

Avocado pests and avocado trade

By: [Peterson, EB](#) (Peterson, Everette B.)1 and [Orden, D](#) (Orden, David)2
[View Web of Science Researcher ID and ORCID](#)

AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS
Volume: 90 Issue: 2 Pages: 321-335
DOI: 10.1111/j.1467-8276.2007.01121.x
Published: May 2008
Document type: Article

Abstract
This article evaluates the effects of a November 2004 phytosanitary rule that removed seasonal and geographic restrictions on the importation of fresh Hass avocados from approved orchards in Mexico to the United States. With the remaining systems approach compliance measures in place, pest risks do not substantially increase and U.S. net welfare rises by \$77 million. Removal of remaining compliance measures may lead to lower net welfare gains depending on which measures are eliminated and the estimated probabilities of pest infestations.

Keywords
Author Keywords: [avocados](#), [compliance costs](#), [NAFTASPS barriers](#), [systems approach](#)
Keywords Plus: [RISK](#)

Funding Details

Funding agency	Grant number	Show All Details
Exxon Valdez Oil Spill Trustee Council	070836	SHOW DETAILS
	070879	SHOW DETAILS
National Natural Science Foundation of China (NSFC)	40672167	SHOW DETAILS

Citation Network
In Web of Science Core Collection

4,608
Times Cited

[Create a citation alert](#)

91
Cited References

[View related records](#)

Funding agency	Grant number	Hide All Details
Exxon Valdez Oil Spill Trustee Council	070836	HIDE DETAILS

Funding Data Source: Fed Reporter
Appeared in source as: NSFC
Total Award Amount: \$189,862 USD
Grant Type: Standard Grant
Project Title: SHF:Small: Collaborative Research: Rectification of Arithmetic Circuits with Craig Interpolants in Algebraic Geometry
Program: Software & Hardware Foundation
Start Date: 06-15-2019
End Date: 05 - 31 - 2022
Grant Duration: 2 years 11 months 22 days
Co-Principle Investigator: Andrews, Sarah J.
Unique ID: P-4489-2018
Email: andrews.sarah@email.edu
Grant Summary: Arithmetic circuits are a critical component of computer, communication and cyber-security systems. Such circuits have to be designed for efficiency in terms of power consumption, high performance and low cost. For this reason, arithmetic circuits undergo careful and custom design. Manual custom design

- 快速向资助者展示您的投资回报率（ROI）
- 深入了解全球研究基金状况，为您的战略规划提供依据
- 将您的机构与同行机构进行基金对标分析

示例：查询机器人控制技术的SCIE论文：方法一

Web of Science™ Search Marked List History Alerts qingwen yuan ▾

Discover multidisciplinary content
from the world's most trusted global citation database.

Search in: Web of Science Core Collection ▾

DOCUMENTS AUTHORS CITED REFERENCES

Topic ▾ "robot* control*" ✕

+ ADD ROW Advanced Search ✕ CLEAR SEARCH

设计检索式

示例：查询机器人控制技术的SCIE论文：方法一

精炼Web of Science
Index 结果，限定检索

Web of Science™ Search Marked List History Alerts qingwen yuan

10,152 results from Web of Science Core Collection for:
TS=("robot" control*)

ANALYZE RESULTS CITATION REPORT CREATE ALERT

Copy query link

PUBLICATIONS YOU MAY ALSO LIKE...

Refine results

Search within results for:

Quick Filters

- ☐ Highly Cited Papers 10
- ☐ Hot Papers 1
- ☐ Review Articles New 95
- ☐ Early Access 18
- ☐ Open Access 1,348
- ☐ Associated Data 3

Publication Years

Document Types

Web of Science Categories

Authors

Affiliations

Publication Titles

Publishers New

Funding Agencies

Open Access

Editors

Group Authors

Research Areas

Countries/Regions

Languages

Conference Titles

Book Series Titles

Web of Science Index

For more options, use Analyze Results

Select all Results count

Conference Proceedings Citation Index Expanded 3,870

Emerging Sources Citation Index 388

Book Citation Index - Science 123

Social Sciences Citation Index (SSCI) 120

Conference Proceedings Citation Index - Engineering 89

Arts & Humanities Citation Index (A&HCI) 5

Book Citation Index - Social Sciences 1

See less EXCLUDE REFINE

0/10,152 ADD TO MARKED LIST EXPORT

Relevance 1 of 204

1 Comparing Single Task Assignments Control with Supervisory Control through Automated Plan Generation
Remmersmann, T.; Schade, U. and Schlick, C.M.
IEEE International Conference on Systems, Man, and Cybernetics (SMC) 2016 | 2016 IEEE International Conference on Systems, Man, and Cybernetics (SMC)
The workload of a single operator of a multi robot systems increases with the number of robots in use. Supervisory control is a general idea to solve this issue. In this paper we present an experiment in which we compare single robot control and group robot control. Using single robot control the user must task each robot separately. Using group robot control the user can task all robots at once. [Show more](#)
12 References

2 A Robot Control System for Video Streaming Services by Using Dynamic Encoded QR Codes
Ogawa, M.; Tanaka, T.; I., T.; Tokuda, H.
8th International Conference on Mobile Computing and Ubiquitous Networking (ICMU) 2015 | 2015 Eighth International Conference on Mobile Computing and Ubiquitous Networking (ICMU)
We propose a novel robot control system by transmitting robot control information on existing video streaming services as dynamic encoded two-dimensional visual code. We implemented sensor data transmitting system by using dynamic encoded two-dimensional visual code which called SENSE-TREAM [1] and we built the robot controlling system by using SENSE-TREAM. [Show more](#)
1 Citation
3 References

3 HIGH-PERFORMANCE ROBOT CONTROLLER BASED ON WEDSP 32C
CISCATO, D. and OBOE, B.
WORKSHOP ON MOTION CONTROL FOR INTELLIGENT AUTOMATION (PREPRINTS) 1992 | Motion Control For Intelligent Automation
0 References

4 Towards the Incorporation of Proprioception in Evolutionary Robotics Controllers
Phillips, A.P. and du Plessis, M.C.
3rd IEEE International Conference on Robotic Computing (IRC) 2019 | 2019 Third IEEE International Conference on Robotic Computing (IRC 2019)
The ability to sense the relative position of one's own body parts is referred to as proprioception. This sense allows humans to interact with their environment without direct observation. Evolutionary Robotics is a field of study that investigates the automatic development of robotic controllers and morphologies. This paper proposes the idea of proprioception in evolutionary robotics. [Show more](#)
2 Citations
20 References

5 Robot control architectures application requirements, approaches, and technologies
Hasemann, J.M.
Conference on Intelligent Robots and Computer Vision XIV - Algorithms, Techniques, Active Vision, and Materials Handling 1995 | Intelligent Robots and Computer Vision XIV: Algorithms, Techniques, Active Vision, and Materials Handling
0 References

6 ROBOT CONTROL SYSTEM USING SLIP DISPLACEMENT SIGNAL FOR ALGORITHM CORRECTION
KONDRATENKO, Y.P.; KUZMICHOV, A.V. and YANG, Y.Z.
3RD SYMPOSIUM ON ROBOT CONTROL 1991 | SYROCO 91
1992 | Robot Control 1991 | Syroco 91
0 References

示例：查询机器人控制技术的SCIE论文：方法二

Clarivate English Products

Web of Science™ Search Marked List History Alerts qingwen yuan

< BACK TO BASIC SEARCHES
Advanced Search Query Builder

Search in: Web of Science Core Collection

Add terms to the query search preview

1 设计检索式

2 把检索式添加至检索式预览框review

Topic "robot* control*" And ADD TO QUERY

Less options

Select citation indexes from Web of Science Core Collection

3 选择SCIE数据库

Science Citation Index Expanded (SCI-EXPANDED)

Exact search

Query Preview

TS=(robot* control*)

Field Tags

X CLEAR SEARCH

4 开始检索

示例：查询机器人控制技术的SCIE论文

Clarivate English Products

Web of Science™ Search Marked List History Alerts qingwen yuan

3,870 results from Science Citation Index Expanded (SCI-EXPANDED):

1 TS=("robot* control*")

2 Copy query link

6 YOU MAY ALSO LIKE... New

Refine results

Search within results for...

Quick Filters

- Highly Cited Papers 10
- Hot Papers 1
- Review Articles New 76
- Early Access 14
- Open Access 849
- Associated Data 3

Publication Years

- 2021 151
- 2020 356
- 2019 273
- 2018 218

0/3,870 ADD TO MARKED LIST EXPORT

4 Relevance < 1 of 78 >

5 Citations

6 References

Related records ?

1 Neural & Bio-inspired Processing and Robot Control

Khan, AH; Li, S; (...); Wang, HQ

Nov 8 2018 | Frontiers In Neurobotics

Free Full Text from Publisher

2 A one-stop solution for robot control

Ge, SS; Lee, TH; (...); V...

Sep 2000 | IEEE Robot...

OpenRob: An Open-A...

Full Text a...

- Relevance
- Date: newest first
 - Date: oldest first
 - Citations: highest first
 - Citations: lowest first
 - Usage (all time): most first
 - Usage (last 180 days): most first
 - Recently added
 - Conference title: A to Z
 - Conference title: Z to A
 - First author name: A to Z
 - First author name: Z to A
 - Publication title: A to Z
 - Publication title: Z to A

被引频次降序

使用次数最近180天



1. 新增检索栏，无需返回主页面可随时进行新的检索
2. 新增Copy query link
3. 新增Early access精炼选项和Review article快捷精炼项
4. 文献排序方式收起到右边
5. 文献列表每一篇文献均可直接利用引文索引3维度分析

您可能也想要You may also like...

Clarivate

English Products

Web of Science™ Search Marked List History Alerts qingwen yuan

3,870 results from Science Citation Index Expanded (SCI-EXPANDED):

Q TS=("robot* control*")

Copy query link

PUBLICATIONS YOU MAY ALSO LIKE...^{New} You may also like...

Refine results

0/3,870 ADD TO MARKED LIST EXPORT

Search within results for...

Quick Filters

☐ Highly Cited Papers 10

☐ Hot Papers 1

☐ Review Articles ^{New} 76

☐ Early Access 14

☐ Open Access 849

☐ Associated Data 3

Publication Years

☐ 2021 151

☐ 2020 356

☐ 2019 273

☐ 2018 218

1 Neural & Bio-inspired Processing and Robot Control

Khan, AH; Li, S; (-); Wang, HQ

Nov 8 2018 | Frontiers In Neurobotics

Free Full Text from Publisher ***

2 A one-stop solution in robotic control system design

Ge, SS; Lee, TH; (-); Woon, LC

Sep 2000 | IEEE Robotics & Automation Magazine

OpenRob: An Open-Architecture Platform for Model Building, Controller Des

Full Text at Publisher ***

Refine results

0/50 ADD TO MARKED LIST EXPORT

Search within results for...

Quick Filters

☐ Review Articles ^{New} 1

☐ Open Access 8

Publication Years

☐ 2021 1

☐ 2020 4

☐ 2019 8

☐ 2018 3

☐ 2017 4

See all

Document Types

☐ Proceedings Papers 26

50 suggested results from the Web of Science Core Collection for:

Q TS=("robot* control*")

PUBLICATIONS YOU MAY ALSO LIKE...^{New}

ANALYZE RESULTS CITATION REPORT

帮助发现更多相关的文献

1 Control middleware for open robot controllers

Xu, H; Cai, YP; (-); Zhang, H

International Conference on Control, Automation and Systems

2007 | 2007 International Conference On Control, Automation And Systems, Vols 1-6

To organize the robot controllers in an open manner and manage heterogeneous and concurrent accesses to hardware devices is a tough problem. This paper proposes the control middleware architecture to tackle this problem. In this architecture, the control middleware encapsulates all hardware operations and interacts with logical controllers in a cli ... [Show more](#)

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Freund, E; Rossmann, J and Hoffmann, K

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Experiences in space robotics showed, that in a field where the need for autonomy of automated systems is traditionally very high, there is also a great concern about operability and supervision efforts. In order to give a user trust in autonomous operation of a system, he must be provided with convincing information concerning the conduct of the ... [Show more](#)

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Design of Dual-Core Architecture Industrial Robot Controller Based on FPGA

By: Sun, LG (Sun, Ligong) ¹; Sun, XW (Sun, Xiangwen) ¹; Xiang, F (Xiang, Fei) ¹; Li, SJ (Li, Sujuan) ¹

Edited by: Li, YG (Li, YG); Wang, PC (Wang, PC); Ai, LQ (Ai, LQ); Sang, XM (Sang, XM); Bu, JL (Bu, JL)

MATERIALS PROCESSING TECHNOLOGY, PTS 1-4

Book Series: Advanced Materials Research

Volume: 291-294 Page: 3287-3291 Part: 1-4

DOI: 10.4028/www.scientific.net/AMR.291-294.3287

Published: 2011

Document Type: Proceedings Paper

Conference

Meeting: International Conference on Advanced Engineering Materials and Technology (AEMT2011)

Location: Sanya, PEOPLES R CHINA

Date: JUL 29-31, 2011

Sponsors: Hebei United Univ; Inner Mongolia Univ Technol; Korea Maritime Univ

Abstract

This paper designs a dual core structure robot controller, using the resource of FPGA and the method of customizing Nios II dual core processor, which utilizes the openness of SOPC, so that satisfies the requirement of openness and real-time. It designs the software and hardware structure of the controller and carries out relative experiments. The results show that the robot controller system is reasonable and feasible.

Keywords

Author Keywords: Robot Controller; FPGA; Dual Core; Real-time Operating System

Keywords Plus: SYSTEM

Author Information

Corresponding Address: Sun, Ligong (corresponding author)

Henan Univ Sci & Technol, Elect & Informat Engn Coll, Luoyang, Peoples R China

Addresses:

¹ Henan Univ Sci & Technol, Elect & Informat Engn Coll, Luoyang, Peoples R China

E-mail Addresses: sunligong148@126.com; sun_xiangwen@163.com; fayexiang@hotmail.com; lisujuan612@163.com

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Kamali, K and Bonev, JA
Dec 2019 | IEEE-ASME Transactions On Mechatronics

Inaccuracy of the kinematic model used in robot controllers and deflection of robot joints are two main sources of positioning errors in current industrial robots. We propose an elasto-geometrical calibration method to address these problems. The elasto-geometrical calibration identifies the accurate kinematic model and joint elasticities of any industrial ... Show more

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Khiabani, PM; Aghdam, BS; Taghirad, HD
4th RSI International Conference on Robotics and Mechatronics (ICROM) 2016 | 2016 4th RSI International Conference On Robotics And Mechatronics (Icrom)

In this paper, a simulator for five degree of freedom (DOF) visual servoing robot is presented with eye-in-hand configuration. This simulator has been developed in Robot Operating System (ROS) and Gazebo environment. The designed simulator eases the process of testing and debugging visual servoing schemes, and robot controllers. Among different ... Show more

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By: Gong, YY (Gong, Yanyan)¹; Zhao, X (Zhao, Xiao)¹; Cai, ZQ (Cai, Zhengqing)¹; O'Reilly, SE (O'Reilly, S. E.)²; Hao, XD (Hao, Xiaodi)^{1, 3}; Zhao, DY (Zhao, Dongye)¹

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MARINE POLLUTION BULLETIN

Volume: 79 Issue: 1-2 Page: 16-33

DOI: 10.1016/j.marpolbul.2013.12.024

Published: FEB 15 2014

Document Type: Review

Abstract

The 2010 Deepwater Horizon oil spill has spurred significant amounts of researches on fate, transport, and environmental impacts of oil and oil dispersants. This review critically summarizes what is understood to date about the interactions between oil, oil dispersants and sediments, their roles in developing oil spill countermeasures, and how these interactions may change in deepwater environments. Effects of controlling parameters, such as sediment particle size and concentration, organic matter content, oil properties, and salinity on oil-sediment interactions are described in detail. Special attention is placed to the application and effects of oil dispersants on the rate and extent of the interactions between oil and sediment or suspended particulate materials. Various analytical methods are discussed for characterization of oil-sediment interactions. Current knowledge gaps are identified and further research needs are proposed to facilitate sounder assessment of fate and impacts of oil spills in the marine environment. (C) 2013 Elsevier Ltd. All rights reserved.

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Published names	Hu, Yuanjia	Hu, Yuan-Jia	Hu, Yuan Jia	Hu Yuan-Jia	Hu, Yuan-jia
Organizations ⓘ	2008-2021	University of Macau			
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Published names	Barros, Tiago	Barros, TF
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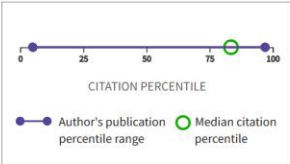
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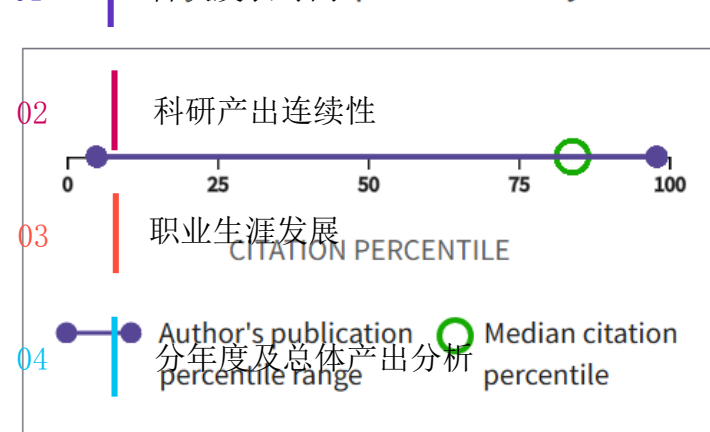
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06 规范化的引文影响力——百分位指标

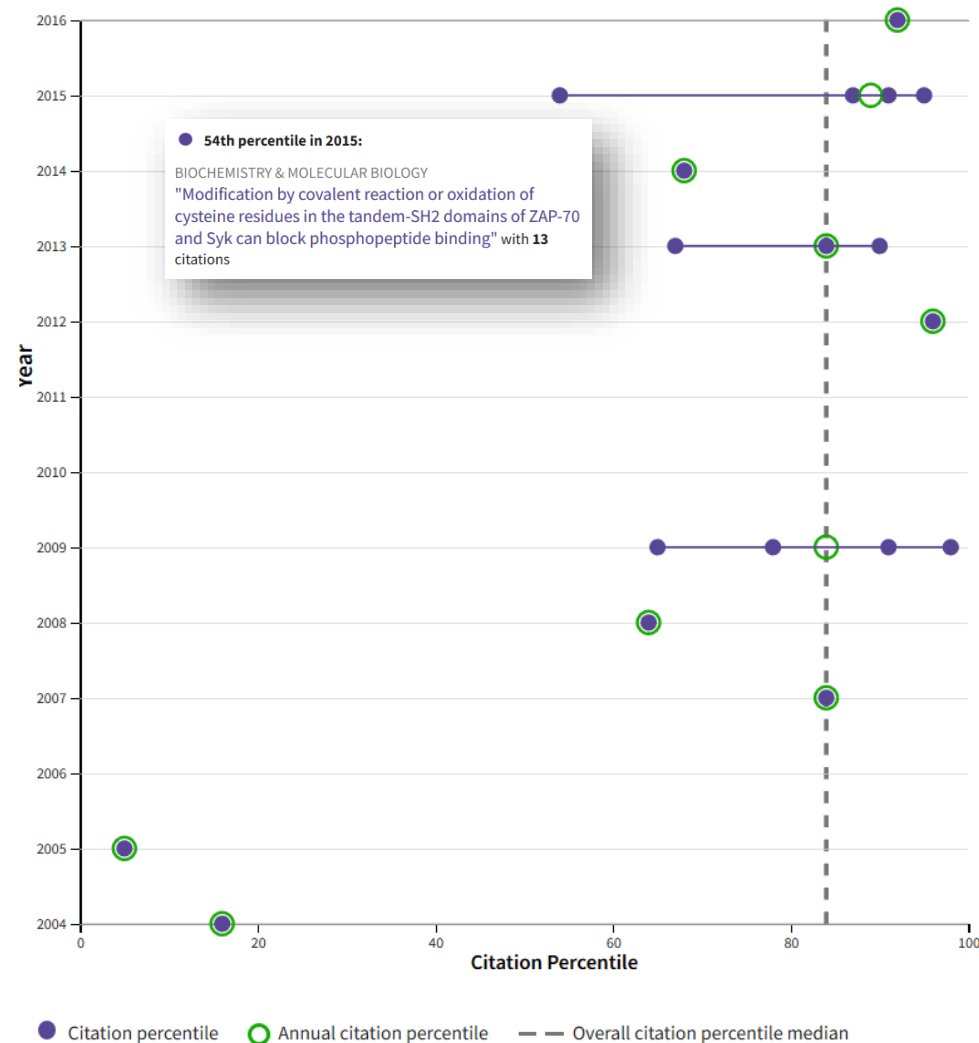
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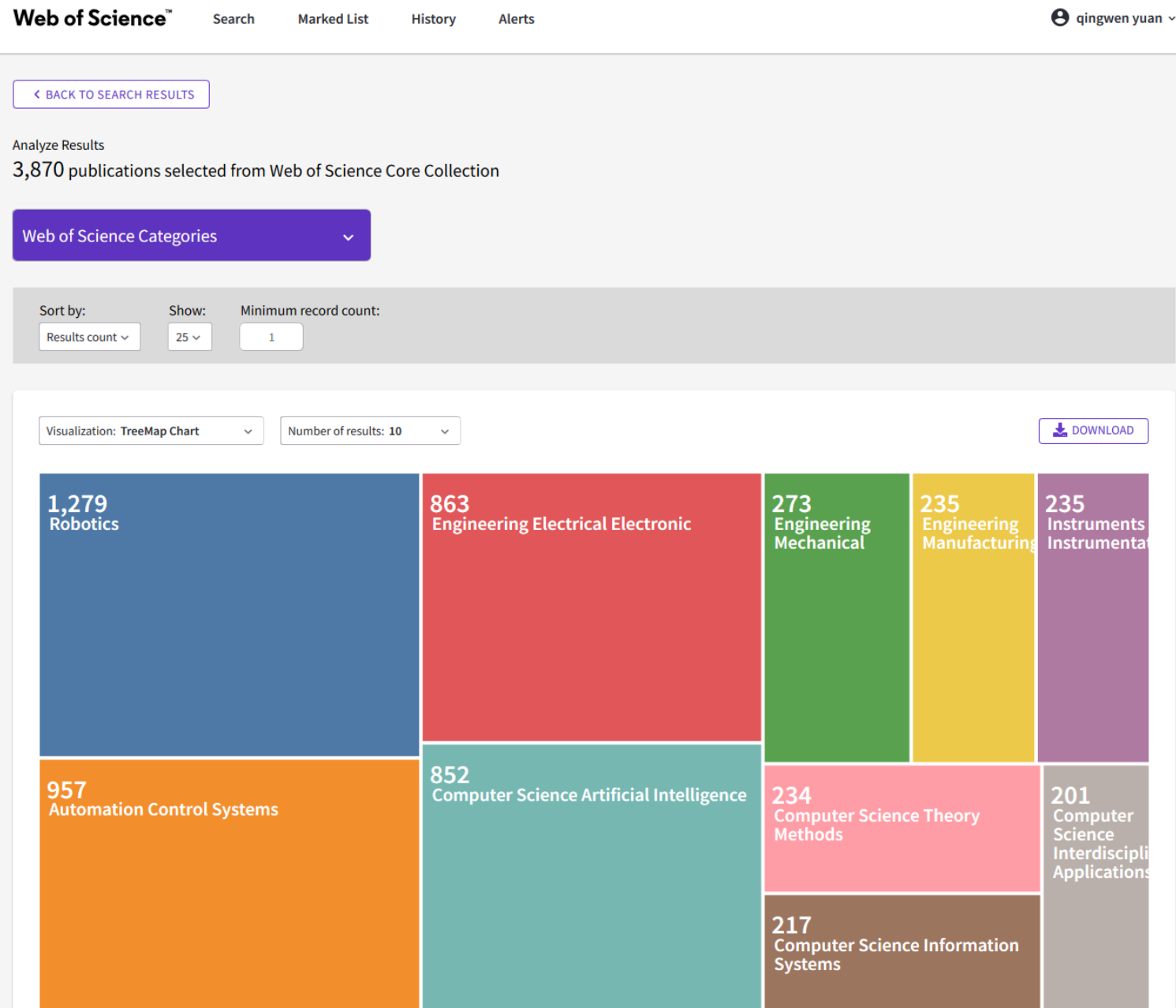
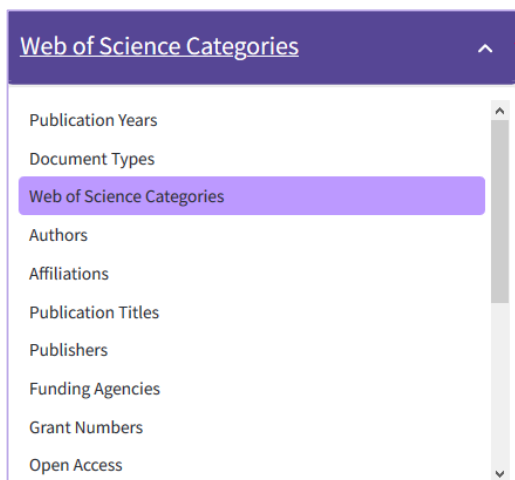
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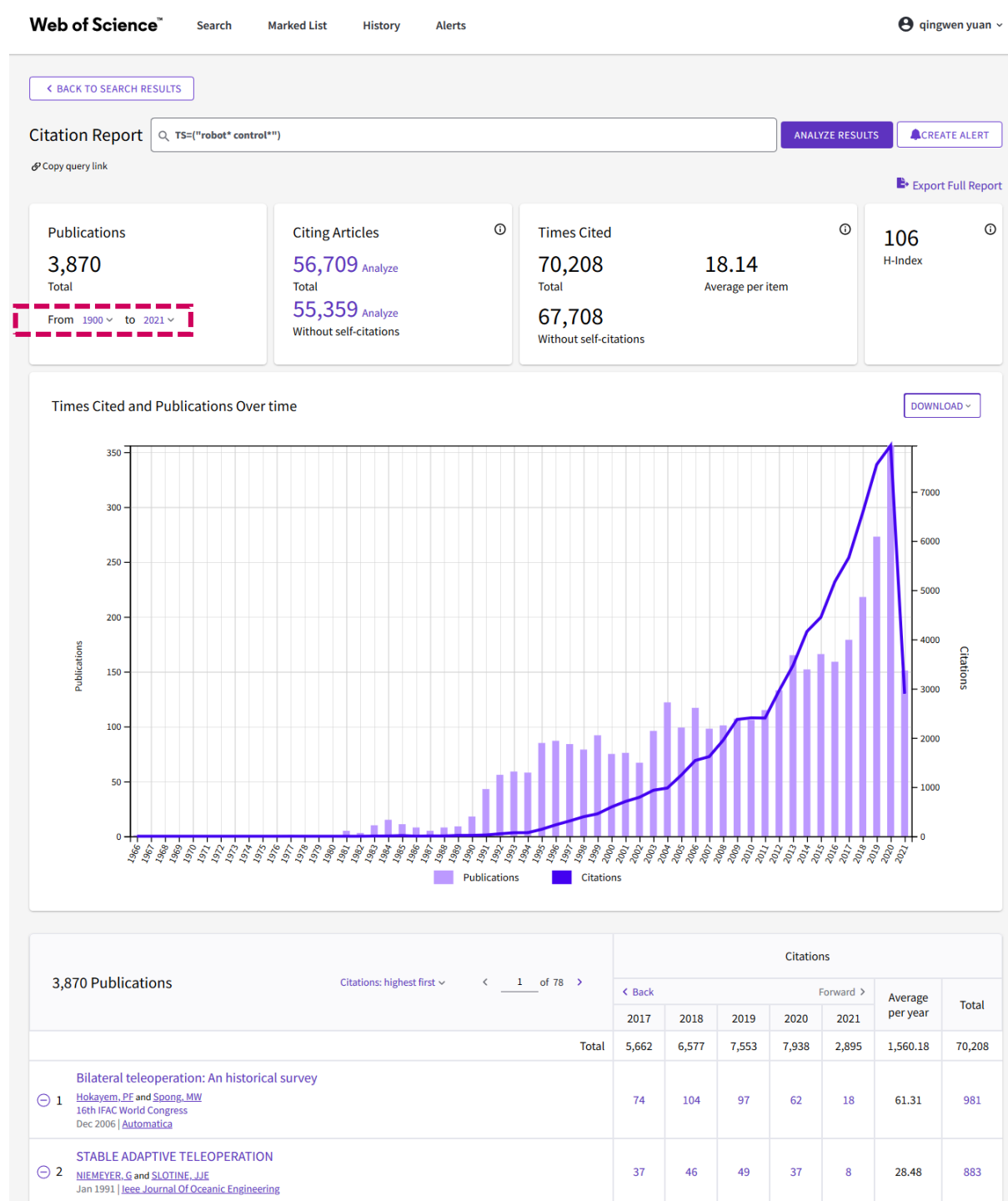
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This screenshot shows a 'DECISION LETTER' dated 2019/03/27. It is addressed to 'Dear Dr. Seidu'. The letter expresses gratitude for submitting a revised manuscript and states that it is now acceptable for publication in 'Diabetes, Obesity and Metabolism'. It also mentions the journal's impact factor of 5.98 and its ranking in the Endocrine Category. The letter concludes by mentioning a pilot of 'transparent peer review' and expresses appreciation for the author's support.

This screenshot shows an 'ONGOING DISCUSSION' section dated 2019/03/19. It includes a 'Referee 1' comment and an 'AUTHOR RESPONSE'. The referee's comment suggests deleting lines 36-51 due to repetition. The author's response thanks the referee and explains that the repetition was necessary for the PICO framework, and that the authors have now shortened and re-worded the text to minimize repetition.

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Recent trends in the U.S. Behavioral and Social Sciences Research (BSSR) workforce

Hyungjo Hur , Maryam A. Andalib , Julie A. Maurer , Joshua D. Hawley , Navid Ghaffarzadegan  

Published: February 6, 2017 • <https://doi.org/10.1371/journal.pone.0170887>

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20. Ginther DK, Schaffer WT, Schnell J, Masimore B, Liu F, Haak LL, et al. Race, ethnicity, and NIH research awards. *Science*. 2011;333(6045):1015–9. pmid:21852498
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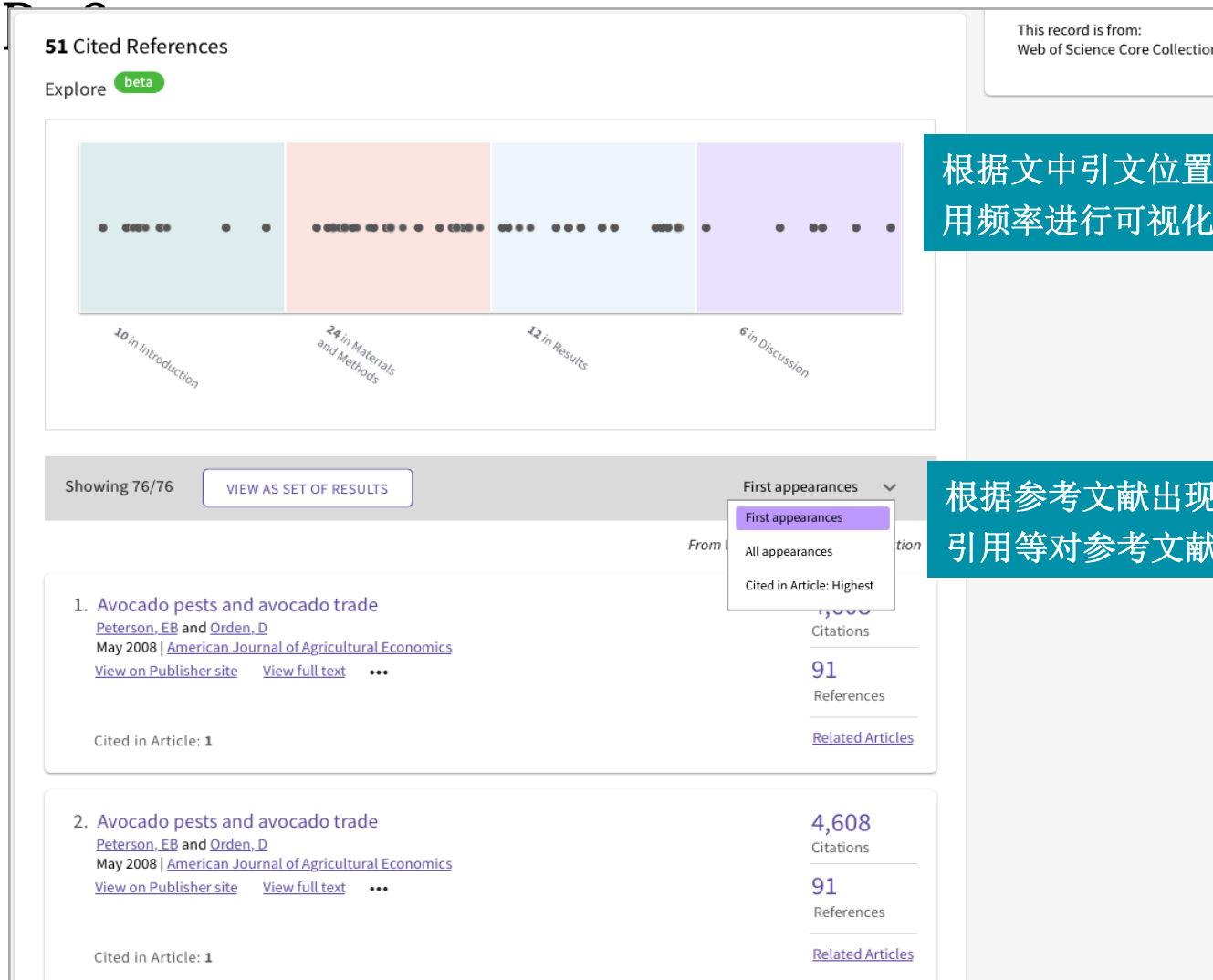
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Several of these studies point to concerns about the supply and demographic composition (gender or racial/ethnic imbalances) of the workforce in the engineering or biomedical sciences [13, 14, 17-20]. Another common concern is related to the productivity and demographic do not have gender or racial/ethnic parity in the STEM workforce. Minorities are less likely to be promoted up the higher education ladder to full professor positions [30] or receive federal grants [20].

Similar reasons can also be offered for the lack of racial/ethnic parity in STEM fields [34]. Scholars and policy makers have increased their focus on the distribution of funding by different racial/ethnic groups—especially with recent academic work [20]. Ginther et al. [20] found an association between racial/ethnic demographics of NIH grant applicants and their chances of getting a proposal funded. Specifically, Ginther et al. [20] found that, controlling for various institutional factors, Asians are 4 percentage points and African-Americans are 13 percentage points less likely to be funded than whites. Ginther et al. [20] also found positive effects of prior NIH awards and journal citations on receiving NIH grants, which suggests a reinforcing loop of success for the already successful and a deteriorating trend regarding future chances for success of minorities [35]. As a result, NIH decided to assess carefully grant reviewers' implicit bias against minorities [36].

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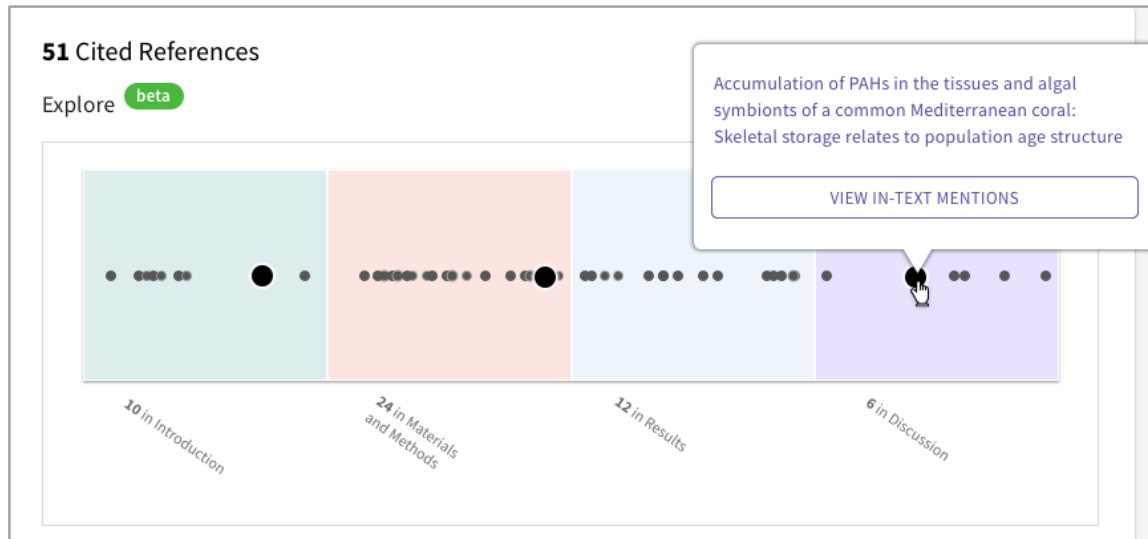
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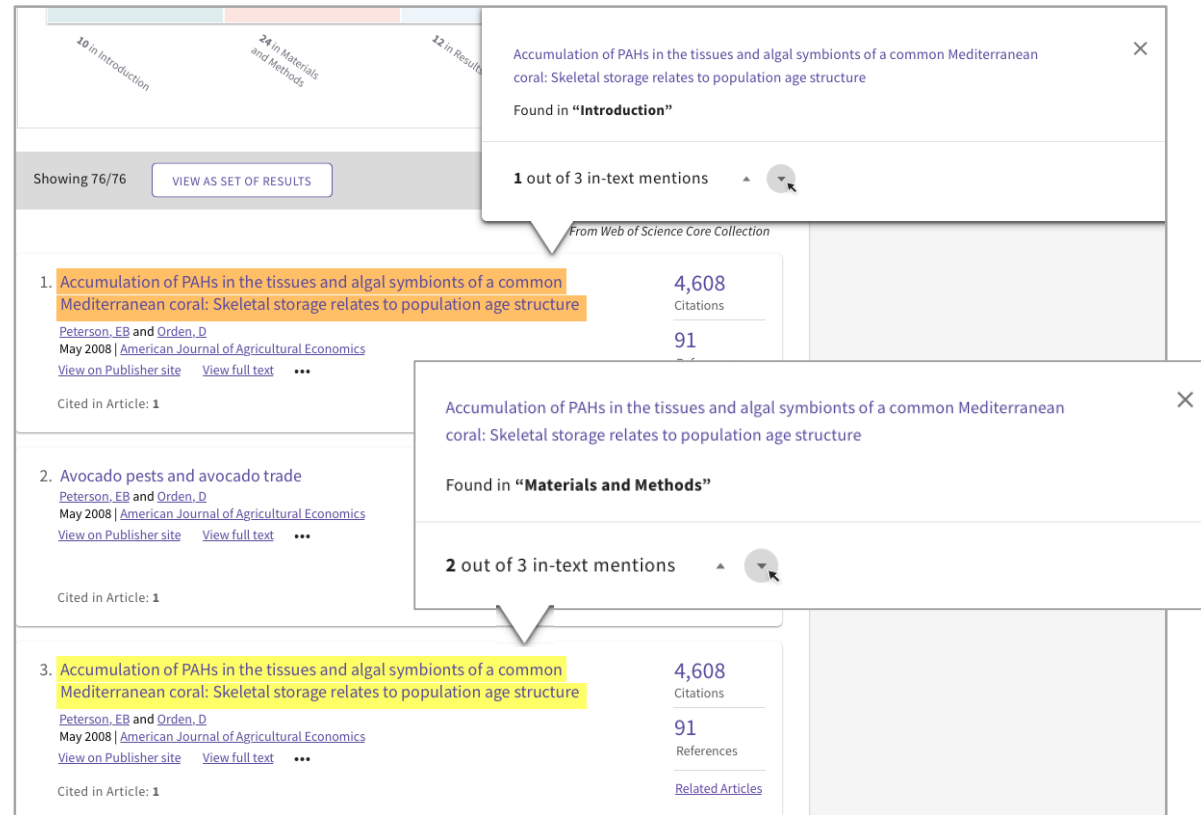
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Popovska-Percinic, F; Manojlovic-Stojanoski, M; (...); Ajdzanovic, V

Win 2021 | Cell Journal

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1 Neural & Bio-inspired Processing and Robot Control 5 Citations
Khan, AH; Li, S; (...); Wang, HQ
Nov 8 2018 | Frontiers In Neurobotics
6 References
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2 Robot controller in a box 0
Brown, AS
Nov 2006 | Mechanical Engineering

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实时跟踪某课题、某作者、某机构等的最新研究进展

管理-标记结果列表

Clarivate Web of Science™ Search Marked List (20) History Alerts qingwen yuan

3,825 results from Science Citation Index Expanded (SCI-EXPANDED):

TS="robot* control**" ANALYZE RESULTS CITATION REPORT CREATE ALERT

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Quick Filters

- Highly Cited Papers 10
- Hot Papers 1
- Review Articles New 74
- Early Access 17
- Open Access 826
- Associated Data 3

Publication Years

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1 Neural & Bio-inspired Processing and Robot Control
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ANALYZE RESULTS CITATION REPORT

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Relevance 1 of 2

1 Central sensitization of nociceptive pathways demonstrated by robot-controlled pinprick-evoked brain potentials
van den Broeke, EN; de Hemptinne, P; (...); Mouraux, A
Oct 2020 | Clinical Neurophysiology
Objective: The aim of this study was to assess the effect of central sensitization, induced by high frequency electrical stimulation of the skin (HFS), on pinprick-evoked brain potentials (PEPs) using robot-controlled mechanical pinprick stimulation and a stimulus evaluation task. ... Show more
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1 Citation
17 References
Related records

2 Wide Band Human Body Communication Technology for Wearable and Implantable Robot Control
Wang, JQ
Jun 2020 | IEEE Transactions On Communications
This paper reviews our developed wide band human body communication technology for wearable and implantable robot control. The wearable and implantable robots are assumed to be controlled by myoelectric signals and operate according to the operator's will. The signal transmission for wearable robot control was shown to be mainly realized by ... Show more
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Marked List results

- Web of Science Core Collection 60

Quick Filters

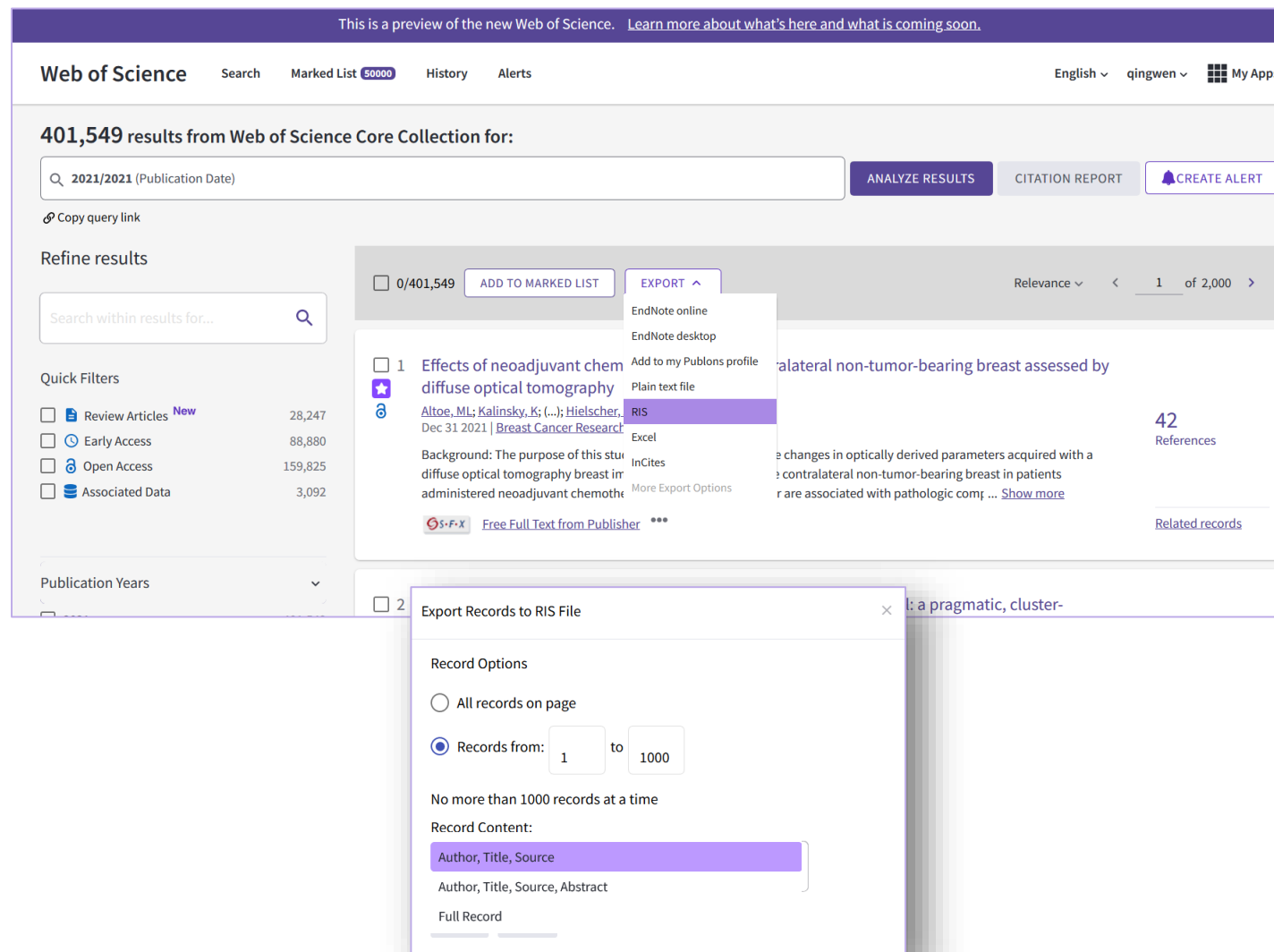
- Open Access 5

Publication Years

- 2020 2
- 2019 1
- 2018 3
- 2016 1
- 2015 1

导出文献功能更新

- ✓ 已迁移的导出功能：EndNote online、EndNote desktop、plain text file、Excel、Publons、InCites
- ✓ 新增导出格式RIS
与EndNote, Mendeley, Zotero, Papers, RefWorks等参考文献管理器兼容
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Full Text Links全文选项

- S.F.X 通过设置open URL链接到机构已订购的电子资源
- 启用联机公共检索目录（OPAC），通过期刊ISSN识别可获取全文的来源

The screenshot displays the Web of Science interface. At the top, there are navigation links: Web of Science, Search, Marked List, History, Alerts, and a user profile icon. Below the navigation bar, there are buttons for 'FULL TEXT AT PUBLISHER', 'FULL TEXT LINKS', 'EXPORT', and 'ADD TO'. The 'FULL TEXT LINKS' button is highlighted with a red circle, and its dropdown menu is open, showing a list of options: 'Free Published Article From Repository', 'QA University of Arizona OPAC', 'QA Murdoch University OPAC', 'QA Brock University OPAC', 'QA Colorado State University OPAC', 'Library of Congress OPAC', 'Peking Univ OPAC', 'QA Carleton College OPAC', 'British Library Catalogue OPAC', and 'Search on Google Scholar'. The dropdown menu is outlined with a red dashed line. The main content area shows the title 'Observation of Magnon Polarization' by Nambu, Y (Nambu, Y.)¹; Barker, J (Barker, J.)¹; Enderle, M (Enderle, M.)⁴; Weber, T (Weber, T.)⁵; Kikkawa, T.)^{1, 3}; Shiomi, Y (Shiomi, Y.)¹; Graves-Brook, M.)⁵; Tranquada, JM (Tranquada, J. M.)⁶; ...More. The journal information is: PHYSICAL REVIEW LETTERS, Volume: 125 Issue: 2, Article Number: 027201, DOI: 10.1103/PhysRevLett.125.027201, Published: JUL 6 2020, Document Type: Article. The abstract text is: 'We measure the mode-resolved direction of the precessional motion of the magnetic order, i.e., magnon polarization, via the chiral term of inelastic polarized neutron scattering spectra. The magnon polarization is a unique and unambiguous signature of magnets and is important in spintronics, ...'.

管理-管理检索历史

Clarivate English Products

Web of Science™ Search Marked List History Alerts qingwen yuan

Search > Results

< BACK TO SEARCH RESULTS

To combine searches go to [Advanced Search](#)

Search Query	Results
robot* control* (Topic) and Highly Cited Papers (Top Papers) Web of Science Core Collection 1:27 PM	334
robot* control* (Topic) Web of Science Core Collection 1:27 PM	113,861

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管理检索历史

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Edit Query #4

More options ▲

Query Preview

(TS={robot* control* }) AND (TP={"HIGHLY CITED PAPERS"})

Field Tags ▲

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New Web of Science升级更新速览

更新时间：截止到2021年5月27日

已迁移的数据库

- Web of Science Core Collection
- BIOSIS Citation Index
- Biological Abstracts
- BIOSIS Previews
- Zoological Records
- Chinese Science Citation Database
- **CABI: CAB Abstracts and Global Health**
- Medline
- All Databases
- KCI-Korean Journal Database
- Russian Science Citation Index
- SciELO Citation Index
- Inspec
- Data Citation Index
- Arabic Citation Index
- FSTA
- 更多数据库持续迁移中...

已迁移功能

- 基本检索
- 高级检索
- 作者检索/作者记录
- 分析检索结果
- 创建引文报告及导出
- 文献导出格式EndNote、plain text file、Excel、导出至InCites及Publons等
- Publons同行评议徽章
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- 简体中文、繁体中文、日语、俄语、葡萄牙语、西班牙语操作界面
- 其他功能持续迁移中...

改进功能

- 被引参考文献检索支持全库检索
- 新增publisher检索字段
- 新增导出 RIS格式
- 文献最多可一次性导出1000篇记录
- 新增作者影响力射束图
- 新增作者记录correction功能，合并作者记录功能
- 改进检索历史
- 标记结果列表新增精炼选项
- 资源中心Pendo
- 引文报告：精炼分析文献的出版年
- 可分享的检索链接
- 高级检索新增“Exact search”
- 新增**Early Access**、Review articles精炼选项
- 检索字段升级：Affiliation, DOI, Accession number, PubMed ID
- 您可也想要...文献推荐
- Enriched cited references
- 基金数据及字段
- Library custom branding
- 更多个性化功能持续升级中...

双平台权限时间节点

- 2020年11月30日，现有WoS用户全部开通
- 2021确保全部用户可双平台访问
- 2021年第三季度，全部用户直接访问New WoS，并可返回Classic WoS
- 2021年底前，逐步关闭Classic WoS

谢谢！

