



學術論文的資料搜尋與基礎書目分析

DATA SEARCH FOR ACADEMIC PAPERS AND BIBLIOGRAPHIC ANALYSIS

Graduate Institute of Digital Learning and Education

Taiwan University of Science and Technology

簡淑芸 Shu-Yun Chien (Victoria Chien)

1. 資料庫背景介紹
2. 平臺首頁介紹
3. 檢索結果篩選&排序
4. 單篇文獻全紀錄頁面
5. 分析結果、文獻分析報告、追蹤功能
6. 作者檢索

Web of Science(WOS)

The screenshot displays the Web of Science (WOS) search interface. At the top, the Clarivate logo is on the left, and 'English' and 'Products' are on the right. Below this, the 'Web of Science' logo is followed by navigation links: 'Search', 'Marked List', 'History', and 'Saved Searches and Alerts'. A user profile 'SHUYUN CHIEN' is visible in the top right corner. The main search area has a purple background with a wavy pattern. A central white box contains the search interface. It has two tabs: 'DOCUMENTS' (selected) and 'RESEARCHERS'. Below the tabs, it says 'Search in: Web of Science Core Collection' and 'Editions: All'. There are two sub-tabs: 'DOCUMENTS' (selected) and 'CITED REFERENCES'. A search bar with a dropdown menu labeled 'Topic' and a text input field containing 'Example: oil spill* mediterranean' is present. Below the search bar are two buttons: '+ Add row' and '+ Add date range'. To the right of these buttons is the 'Advanced Search' link. At the bottom right of the search box are 'Clear' and 'Search' buttons. The footer of the page shows 'National Taiwan University of Science Technology' and the Clarivate logo.

Clarivate English Products

Web of Science™ Search Marked List History Saved Searches and Alerts SHUYUN CHIEN

DOCUMENTS RESEARCHERS

Search in: Web of Science Core Collection Editions: All

DOCUMENTS CITED REFERENCES

Topic Example: oil spill* mediterranean

+ Add row + Add date range Advanced Search Clear Search

National Taiwan University of Science Technology Clarivate

Web of Science(WOS)



蒐集

Web of Science

- SCI
- SSCI
- A&HCI
-



分析

Essential Science Indicators

Web of Science

- Citations
- Usage
- You may also like...



創新

Web of Science

- Refine Results
- Citation Network
- Analyze Results
- Citation Report
- Create Alert

研究過程 常見問題

資料繁雜



Gwo-Jen Hwang (黃國禎)	推薦的論文: 關於Low-stakes assignments文章 - 新的名詞, 但是應該是我們熟悉的策略。有興趣的同學可以在meeting時報告。Sincerely Yours, 黃國禎 臺灣科技大學 數位學習與教育研究...	5月24日
Gwo-Jen Hwang (黃國禎)	推薦的論文: 2021_Classroom misbehaviour management an SVVR based training system for preservice teachers.pdf - 您的訊息已經準備好, 可連同下列檔案或連結附件一起傳送: 20...	2021/11/22
Gwo-Jen Hwang (黃國禎)	推薦的論文: Employing_Augmented_Reality_Embedded_Ins.pdf - 可以考慮在meeting時報告	2021/11/22
Gwo-Jen Hwang (黃國禎)	推薦的論文 2020-BJET-Cognitive regulations in ICT-supported flipped classroom.pdf, 2018-ETRD-The effects of computer-supported self-regulation in science inquirypdf - 這兩篇如...	2021/9/27
Gwo-Jen Hwang (黃國禎)	推薦的論文 - https://bera-journals.onlinelibrary.wiley.com/doi/abs/10.1111/bjet.13066?campaign=wolotoc The effects of a group awareness tool on knowledge construction in com...	2021/5/30
Gwo-Jen Hwang (黃國禎)	新的訪談整理模式及引用文獻 - 請參考Table 8及相關說明文字 Creswell, J. W. (2013). Qualitative inquiry and research design: Choosing among five approaches (3rd ed.). Thousand Oak...	2021/3/20
Gwo-Jen, Victoria 2	收件匣 推薦的論文: 2021-C&E-Effect sizes and research directions of peer assessments.pdf - 謝謝老師的指導! 謝謝學長! 陳錦瑜 (CHEN, CHIN-YU / Victoria) Tel: +886-932-021180 Em...	2021/1/16
Gwo-Jen Hwang (黃國禎)	推薦的論文: 2020_BJET_Gamification of in-class activities in flipped classroom lectures.pdf - 您的訊息已經準備好, 可連同下列檔案或連結附件一起傳送: 2020_BJET_Gamification of ...	2020/12/13
Gwo-Jen Hwang (黃國禎)	RE: 推薦的論文: 2020-CALL-Transformation of educational roles of library-supported mobile learning- a literature review from 2009 to 2018.pdf - 附檔是正確的版本及檔名。Sincerely ...	2020/11/20
Gwo-Jen Hwang (黃國禎)	推薦的論文: 2020-CALL-Transformation of educational roles of library-supported mobile learning- a literature review from 2009 to 2018.pdf - 這一篇只是提供大家參考。Review paper...	2020/11/19
Gwo-Jen, Victoria 2	推薦的論文: 2020-CALL-Systematic review of flipped language classrooms-theoretical foundations.pdf - 非常感謝老師! Gwo-Jen Hwang (黃國禎) <gjhwang.academic@gmail.com>...	2020/11/15
Gwo-Jen Hwang (黃國禎)	新發表的論文: 200-NET-Review and co-citation of 100 most cited nursing student education research.pdf - 您的訊息已經準備好, 可連同下列檔案或連結附件一起傳送: 200-NET-Revie...	2020/11/7
Gwo-Jen Hwang (黃國禎)	推薦的論文: 2020-BJET-From reflective thinking to learning engagement - reflective thinking promoting for flipped dance learnin - 您的訊息已經準備好, 可連同下列檔案或連結附件一...	2020/11/5
Gwo-Jen Hwang (黃國禎)	推薦的論文: 2020-JECR-(online) From Gaming to Computational Thinking-Adaptive Educational Computer Game.pdf - 您的訊息已經準備好, 可連同下列檔案或連結附件一起傳送: 202...	2020/10/26
Gwo-Jen Hwang (黃國禎)	推薦的論文-2020-ILE-(online)-Interactions between peer assessment and learning styles in vocational design.pdf - 您的訊息已經準備好, 可連同下列檔案或連結附件一起傳送: 2020-IL...	2020/10/22
Gwo-Jen Hwang (黃國禎)	推薦的論文: 2020-BJET-Self-directed reflective assessment for collective empowerment among pre-service teachers.pdf - 您的訊息已經準備好, 可連同下列檔案或連結附件一起傳送: ...	2020/10/20
Gwo-Jen, Tu 2	推薦的論文: 2020-C&E-Review of chatbots for learning.pdf - 謝謝老師。Gwo-Jen Hwang (黃國禎) <gjhwang.academic@gmail.com>於 2020年10月20日 週二, 07:50寫道:	2020/10/20
Gwo-Jen Hwang (黃國禎)	推薦的論文: 2020-C&E-social regulation-based online learning framework for mathematics.pdf - 您的訊息已經準備好, 可連同下列檔案或連結附件一起傳送: 2020-C&E-social regulatio...	2020/10/11



研究過程 常見問題

閉門造車

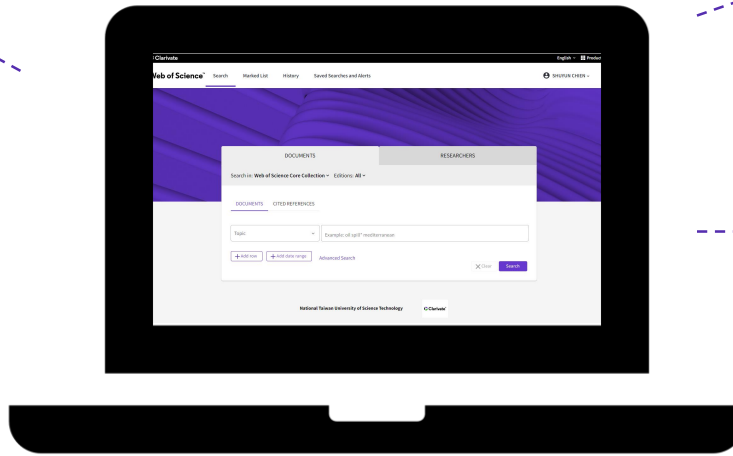


Web of Science(WOS)

國際認可工具

全世界領域研究最常使用的大數據來源

世界上最早的引文索引資料庫

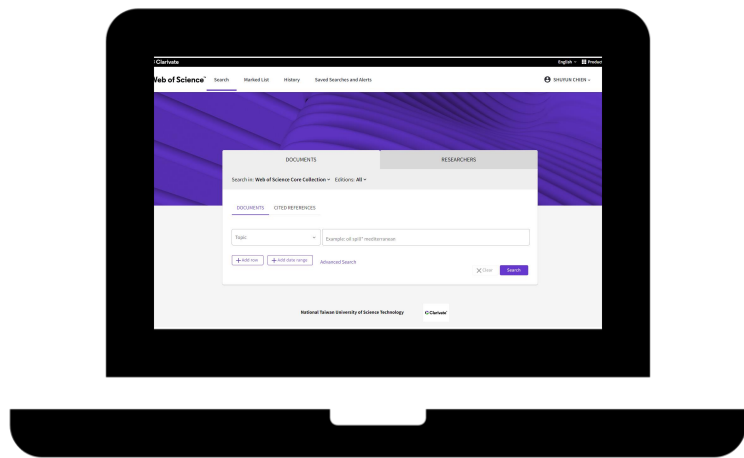


嚴格遵循50多年來一貫的選刊標準，遴選全球最具學術影響力的高品質期刊

非期刊出版社建立高標準挑選期刊流程

每份期刊的每篇文章和所有引用參考文獻皆以建立索引，形成最全面又完整的引文網絡。可進行深度探索和權威評鑑。

Web of Science(WOS)



Science Citation Index Expanded, SCIE

- 收錄至1900年至今，約9,200份影響力期刊，涵蓋178個科學領域，超過5,300萬筆文獻記錄，總計建立11.8億筆以上引用參考文獻。

Social Science Citation Index, SSCI

- 收錄至1900年至今，約3,400多份影響力期刊，涵蓋58個社會科學領域，超過900萬筆文獻記錄，總計建立1.22億筆以上引用參考文獻。

Arts & Humanities Citation Index, A&HCI

- 收錄至1975年至今，約1,800份影響力期刊，涵蓋28個藝術人文領域，超過490萬筆文獻記錄，總計建立3,300百萬筆以上引用參考文獻。

期刊

書籍

會議論文集

Citation Index



引文索引

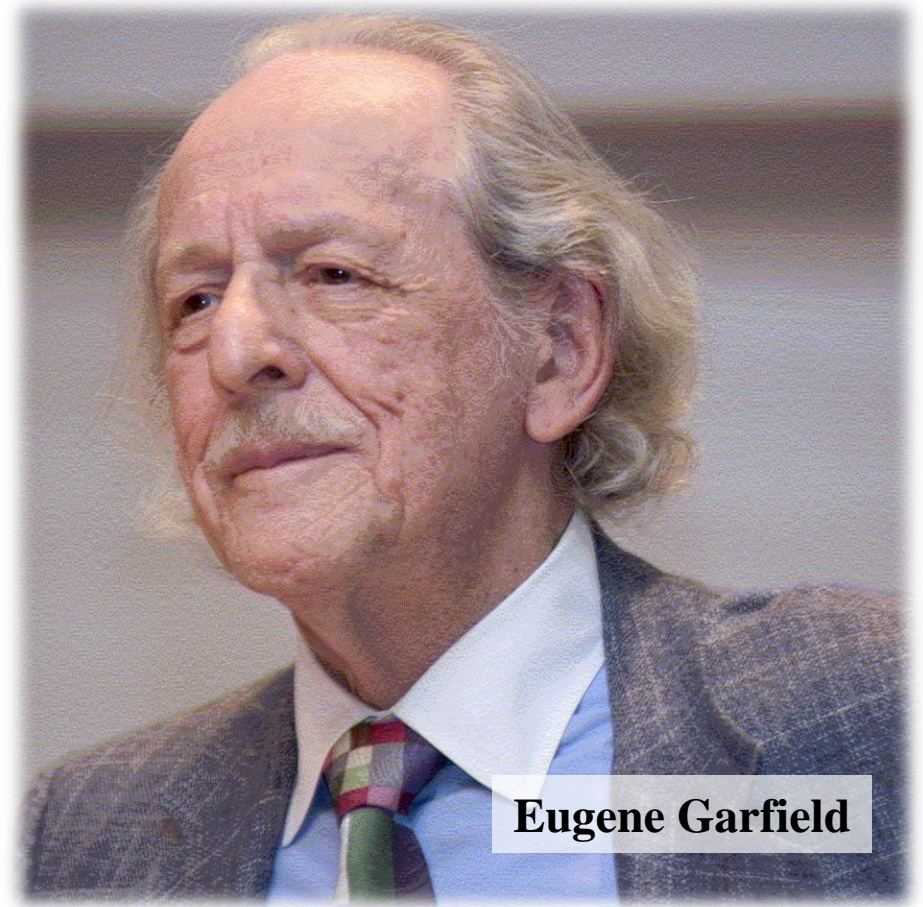
檢索新工具



文獻

檢索新單位

Garfield, E. (1955). Citation indexes for science: A new dimension in documentation through association of ideas. *Science*, 122(3159), 108-111.



Eugene Garfield

重要學術成果



布萊德福定律 Bradford' s law

特定學科之**重要學術成果**集中在
相對少數的期刊當中

具品質與影響力期刊

2021.07更新

品質標準

- ✓ ISSN
- ✓ 期刊名稱
- ✓ 期刊出版商
- ✓ URL(電子期刊)
- ✓ 內容存取
- ✓ 具備同儕評閱政策
- ✓ 詳細聯繫方式
- ✓ 學術內容
- ✓ 英文版文章標題和摘要
- ✓ 以羅馬拼音標示的參考書目資訊
- ✓ 語言表述清晰
- ✓ 即時性和/或出版量
- ✓ 網站功能性/期刊格式
- ✓ 具有道德聲明
- ✓ 詳細的編輯機構資訊
- ✓ 詳細的作者機構資訊

影響力標準

- ✓ 編輯委員會組成
- ✓ 聲明有效性
- ✓ 同儕評閱
- ✓ 內容相關性
- ✓ 詳細的基金資助資訊
- ✓ 遵守學術共同體標準
- ✓ 作者分佈
- ✓ 適當的文獻引用
- ✓ 比較性引文分析
- ✓ 作者引文分析
- ✓ 編委引文分析
- ✓ 內容重要性

文獻

研究人員

3

檢索範圍：Web of Science 核心合輯 專輯：All

4

文獻 參考文獻檢索

5

所有欄位

範例：liver disease india singh

6

+ 新增列

+ 新增日期範圍

進階檢索

X 清除

檢索

首頁

檢索

文獻

研究人員

檢索範圍：Web of Science 核心合輯 ▾ 專輯：All ▾

文獻

參考文獻檢索

1

主題 ▾

2

範例：oil spill* mediterranean
virtual reality

×

⊖

And ▾

主題 ▾

範例：oil spill* mediterranean
math

×

+ 新增列

+ 新增日期範圍

進階檢索

3

✕ 清除

檢索

搜尋結果

Clarivate

繁體中文 ▾ 產品

Web of Science™

檢索

SHUYUN CHIEN ▾

>| 功能表

Web of Science 核心合輯中有 48 個結果：

Q virtual reality (主題) and math (主題)

複製查詢結果連結

出版品 您可能也會喜歡...

限縮結果

在結果內檢索...

依勾選清單篩選

快速篩選

☐ Review Article 1

☐ Early Access 1

☐ 開放取用 18

☐ 0/48

新增至勾選清單

匯出 ▾

排序依據: 相關性 ▾ < 1 / 1 >

☐ 1

The use of virtual and augmented reality in science and math education in Arab countries: A survey of previous research studies

Abutayeh, KAA; Kraishan, OMM and Kraishan, EQQ

Aug 8 2022 | FRONTIERS IN EDUCATION 7

The aim of this study was to present a survey of research relating to the use of virtual and augmented reality in science and math education in Arab countries after 2012. The research studies were collected from several sources that include a set of common Arabic research database, a set of English research database, and popular search engines. T ... 顯示更多

49 參考文獻

關鍵字不夠精確

☐ 12 Augmented Reality in Mathematics Education: The Case of GeoGebra AR

[Tomaschko, M](#) and [Hohenwarter, M](#)

2020 | AUGMENTED REALITY IN EDUCATIONAL SETTINGS , pp.325-346

[按一下以尋找此作者的其他記錄](#)

Augmented Reality enables users to perceive the real world extended by virtual elements. This chapter presents possibilities for exploiting the potential of augmented reality in learning and teaching mathematics. As an example, the novel mobile application GeoGebra Augmented Reality (AR) for iPhones and iPads is presented. GeoGebra AR rendi ... [顯示更多](#)

[檢視全文](#) ... [Search Institution Library](#)

5

[引用文獻](#)

20

[參考文獻](#)

[相關記錄](#)

☐ 19 Multimedia augmented reality game for learning math



[Rebollo, C](#); [Remolar, J](#); (...); [Lanzilotti, R](#)

May 2022 | Mar 2021 (早期取閱) | [MULTIMEDIA TOOLS AND APPLICATIONS](#) 81 (11) , pp.14851-14868

The traditional method for learning the multiplication tables is a repetitive and boring task. Teachers try to find new methods to motivate children in this tedious duty, and one of the lines to consider is to integrate entertainment into educational processes. This work presents a new multimedia interaction approach in order to allow children to p ... [顯示更多](#)

[來自出版商的免費全文](#) ...

9

[引用文獻](#)

24

[參考文獻](#)

[相關記錄](#)

關鍵字搜尋

檢索 > 查詢 ("virtual reality" or "virtual environment*" or "virtual classroom*" or "...

Web of Science 核心合輯中有 **783** 個結果：

Q ("virtual reality" or "virtual environment*" or "virtual classroom*" or "virtual learn*" or "virtual world*") (主題) and math* (主題)

分析結果

引用文獻報告

 建立追蹤

×

主題

▼

範例：oil spill* mediterranean

("virtual reality" or "virtual environment*" or "virtual classroom*" or "virtual learn*" or "virtual world*")

×

⊖

And ▼

主題

▼

範例：oil spill* mediterranean

math*

×

+ 新增列

+ 新增日期範圍

進階檢索

× 清除

檢索

檢索符號

檢索運算元

使用 **AND** 找出包含所有關鍵字的紀錄

使用 **OR** 找出包含任一關鍵字的紀錄

使用 **NOT** 排除檢索結果中包含某些關鍵字的紀錄

使用 **NEAR/n** 依據指定字詞之間間隔不超過(n)個字的條件，找出包含所有關鍵字的紀錄(stress NEAR/3 sleep)
在進行地址檢索時，使用**SAME**找出在同一行地址中的關鍵字(Tulane SAME Chem)

萬用字元

利用切截檢索，找出更多複數形或不同拼法的紀錄

*=0到多個字元

?=1個字元

\$=0或1個字元

詞組檢索

進行主題或標題檢索時，若要檢索完全符合的詞組，請用雙引號括住該詞組。例如，查詢 “energy conservation” 會找出包含energy conservation此一詞組的紀錄。

作者名稱

先輸入姓氏，空格後再輸入最多5個名字首字母縮寫。

利用切截和其他拼法的檢索，以找出不同名稱：

Driscoll C 可找出**Driscoll C**、**Driscoll CM** 和 **Driscoll Charles** 等。
Driscoll 可找出姓氏為 **Driscoll的所有作者**

De la Cruz f* OR Delacruz f*可找出**Delacruz FM** 和**De La Cruz FM**等。

新增勾選清單

The screenshot displays the Web of Science interface. At the top, the 'Marked List' tab is highlighted with a red box. The search results show 702 results from the Web of Science Core Collection for the query: ("virtual reality" or "virtual environment*" or "virtual classroom*" or "virtual learn*" or "virtual world*") (Topic) and math* (Topic). A modal titled 'Add to marked list' is open, showing options to add all records on the page or a specific range. The modal also includes a dropdown to select a list and 'Cancel' and 'Add' buttons. In the background, the 'Add To Marked List' button for the first result is also highlighted with a red box.

Web of Science™ Search **Marked List** History Saved Searches and Alerts SHUYUN CHIEN ▾

SearchSearch

702 results from Web of Science Core Collection for:

Q ("virtual reality" or "virtual environment*" or "virtual classroom*" or "virtual learn*" or "virtual world*") (Topic) and math* (Topic) Analyze Results Citation Report Create Alert

Copy query link

Publications You may also like...

Refine results

Search within topic...

Filter by Marked List ^

Quick Filters

- ☐ Review Articles 30
- ☐ Early Access 22
- ☐ Open Access 282
- ☐ Enriched Cited References 89

0/702 Add To Marked List Export ▾

1 Virtual worlds as meeting places for formal systems
Bellman, KL and Landauer, C
7th International Workshop on Computation, Optimization and
May 10 2001 | APPLIED MATHEMATICS AND COMPUTATION 120 (1)
Over the last seven years, we have been exploring the use of col
experimenting with ways of organizing and integrating diverse t
variety of applications to fields as diverse as education and soft
Full Text at Publisher ...

Add to marked list X

☒ All records on page
☐ Records from _____ to _____
Maximum records: 50,000
Select a list...
Cancel Add

1 of 15

1 Citation
42 References
Related records ?

勾選清單

Clarivate

繁體中文 產品

Web of Science™

檢索

勾選清單

檢索歷史

已儲存的檢索與追蹤

SHUYUN CHIEN

勾選清單

我的勾選清單 (1)

未歸檔的記錄

開始輸入以尋找您的清單...

+

建立新的清單

合併清單

刪除

<input type="checkbox"/>	名稱	上次修改時間	類型	計數	
<input type="checkbox"/>	Virtual reality & math	07-18-2022 06:51	文獻	702	編輯詳細資料

Items per page: 10

1 - 1 of 1

<

>

匯出清單

0/702 [Add To Marked List](#) [Export ^](#) Sort by: Relevance < 1 of 15

☐ 1 **Virtual worlds as meeting environments**
[Bellman, KL and Landauer, C](#)
7th International Workshop on
May 10 2001 | [APPLIED MATHEMATICS](#)
Over the last seven years, we
experimenting with ways of o
variety of applications to field
[Full Text at Publisher](#) ***

☐ 2 **Learning Analytics Framework for Students through Educational Virtual Worlds**
[Reis, R; Marques, BP and Sam](#)
2020 | [INTERNATIONAL JOURNAL OF EDUCATIONAL TECHNOLOGIES](#) 14, pp.8-13
This paper aims to demonstrate how a learning analytics tool, in order to facilitate the learning techniques and improved the performance to students through or analytics learning tool monitoring.
[Free Full Text from Publisher](#) ***

EndNote online
EndNote desktop
Add to my Publons profile
Plain text file
RefWorks
RIS (other reference software)
BibTeX
Excel
Tab delimited file
Printable HTML file
InCites
Email
Fast 5000
More Export Options

Export Records to Excel

Record Options

☐ All records on page

☒ Records from: 1 to 702

No more than 1000 records at a time

Record Content:

Author, Title, Source

Author, Title, Source, Abstract

Full Record

Custom selection (9) [Edit](#)

1 Citation

42

IGIES 14, pp.8-13

排序(聚焦重點文獻1:被引用次數)

Clarivate

繁體中文 產品

Web of Science™

檢索

勾選清單

檢索歷史

已儲存的檢索與追蹤

登入

註冊

檢索 > ... > 查詢 ("virtual reality" or "vi... > 查詢 ("virtual reality" or "virtual environment*" or "virtual classroom*" or "...

Web of Science 核心合輯中有 702 個結果：

Q ("virtual reality" or "virtual environment*" or "virtual classroom*" or "virtual learn*" or "virtual world*") (主題) and math* (主題)

分析結果

引用文獻報告

建立追蹤

複製查詢結果連結

出版品

您可能也會喜歡...

限縮結果

在結果內檢索...

依勾選清單篩選

快速篩選

☐ Review Articles 30

☐ Early Access 22

☐ 開放取用 282

☐ 0/702

新增至勾選清單

匯出

排序依據: 引用次數：最高優先

1 / 15

☐ 1

Rigid-body dynamics with friction and impact

Stewart, DE

Mar 2000 | SIAM REVIEW 42 (1) , pp.3-39

Rigid-body dynamics with unilateral contact is a good approximation for a wide range of everyday phenomena, from the operation of car brakes to walking to rock slides. It is also of vital importance for simulating robots, virtual reality, and realistic animation. However, correctly modeling rigid-body dynamics with friction is difficult due to a number of discontinuities in the behavior of rigi

來自典藏庫的免費已提交文獻 出版商的全文 ...

415

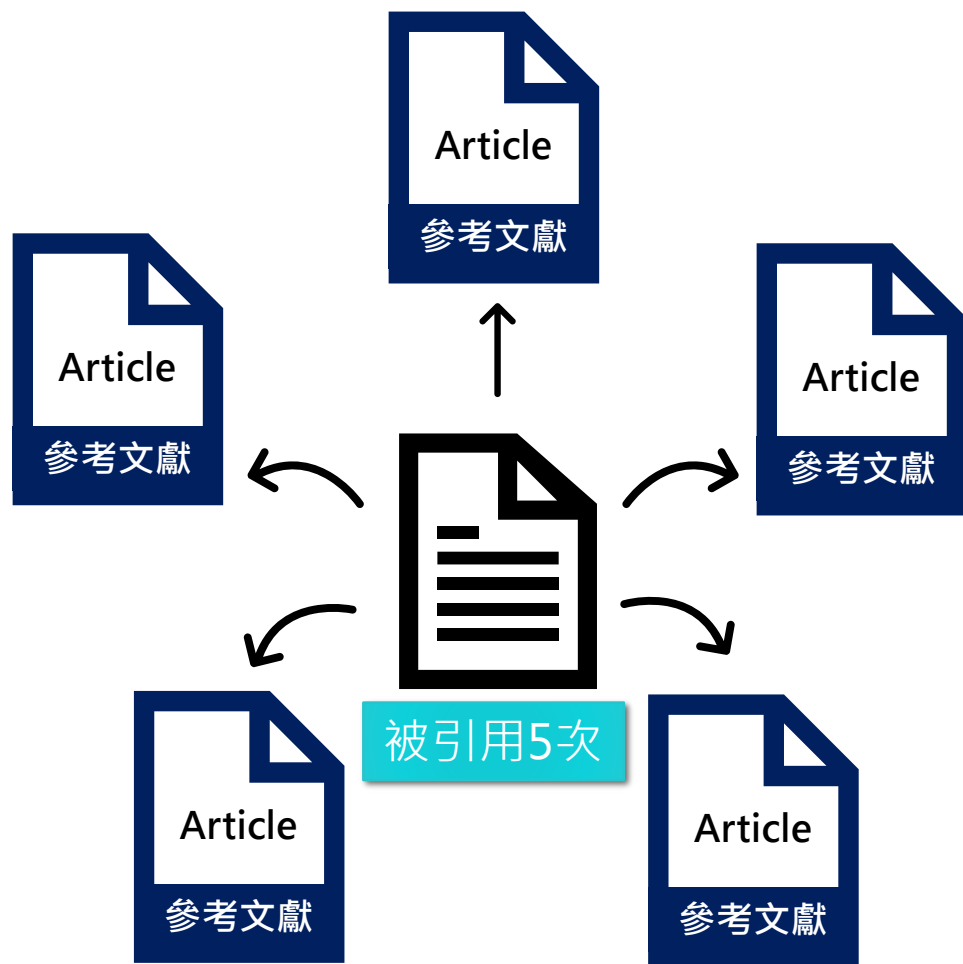
引用文獻

144

參考文獻

相關記錄 ?

被引用次數



文章的被引用次數常被用來當作
學術評鑑的量化指標之一



排序(使用情況:最多優先)

Clarivate

繁體中文 產品

Web of Science™ 檢索 勾選清單 檢索歷史 已儲存的檢索與追蹤 登入 註冊

檢索 > ... > 查詢 ("virtual reality" or "vi... > 查詢 ("virtual reality" or "virtual environment*" or "virtual classroom*" or "...

Web of Science 核心合輯中有 702 個結果 :

Q ("virtual reality" or "virtual environment*" or "virtual classroom*" or "virtual learn*" or "virtual world*") (主題) and math* (主題) 分析結果 引用文獻報告 建立追蹤

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Cipresso, P; Giglioli, JAC; (...); Riva, G

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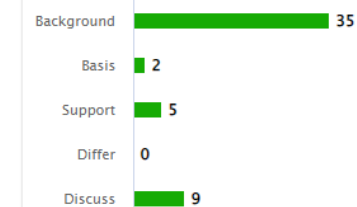
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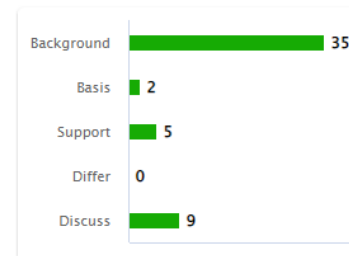
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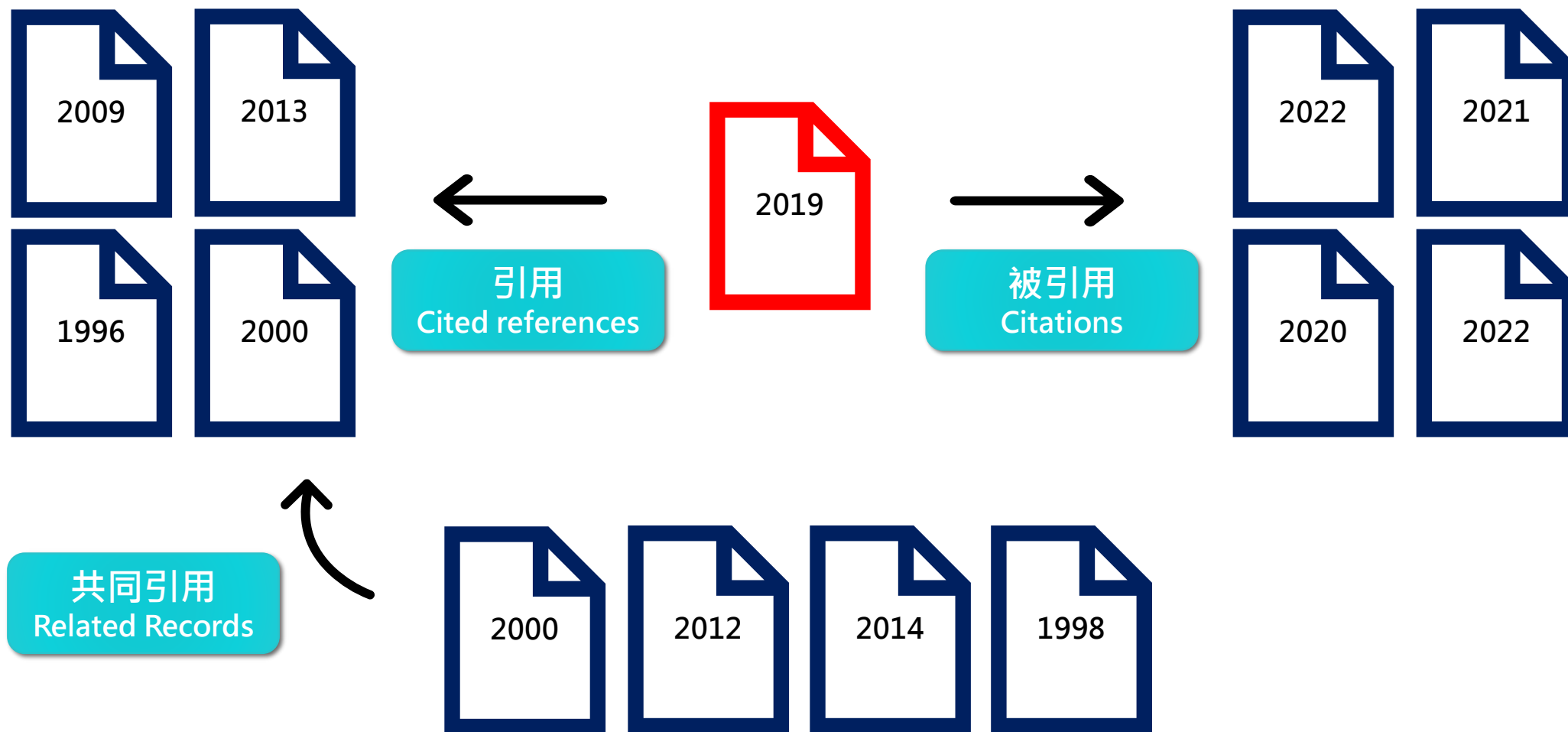
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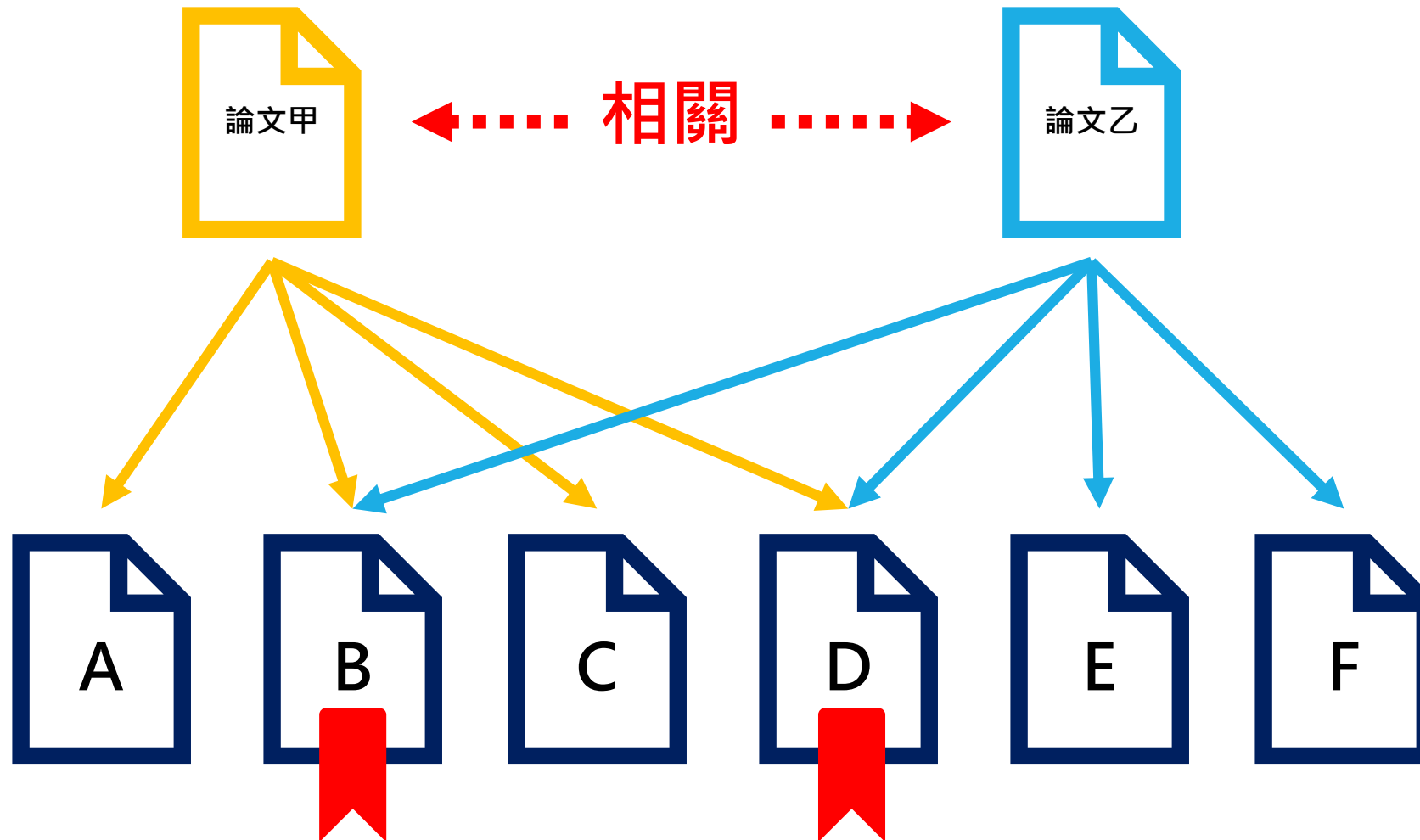
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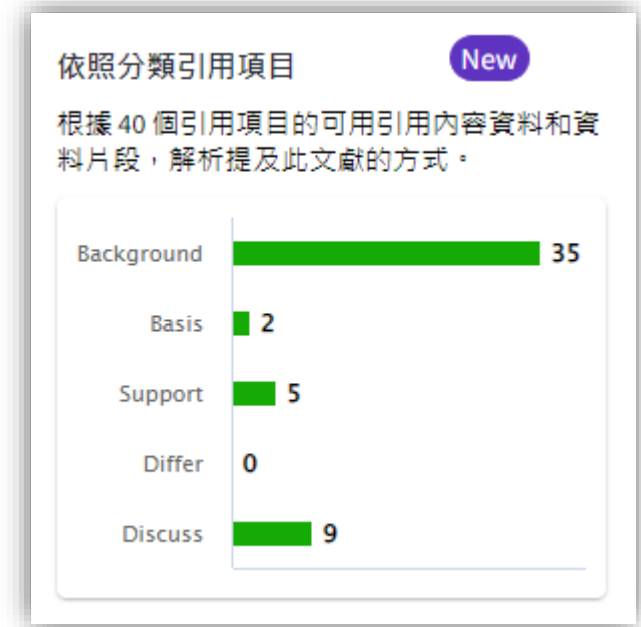
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Cipresso, P; Giglioli, JAC; (...); Riva, G

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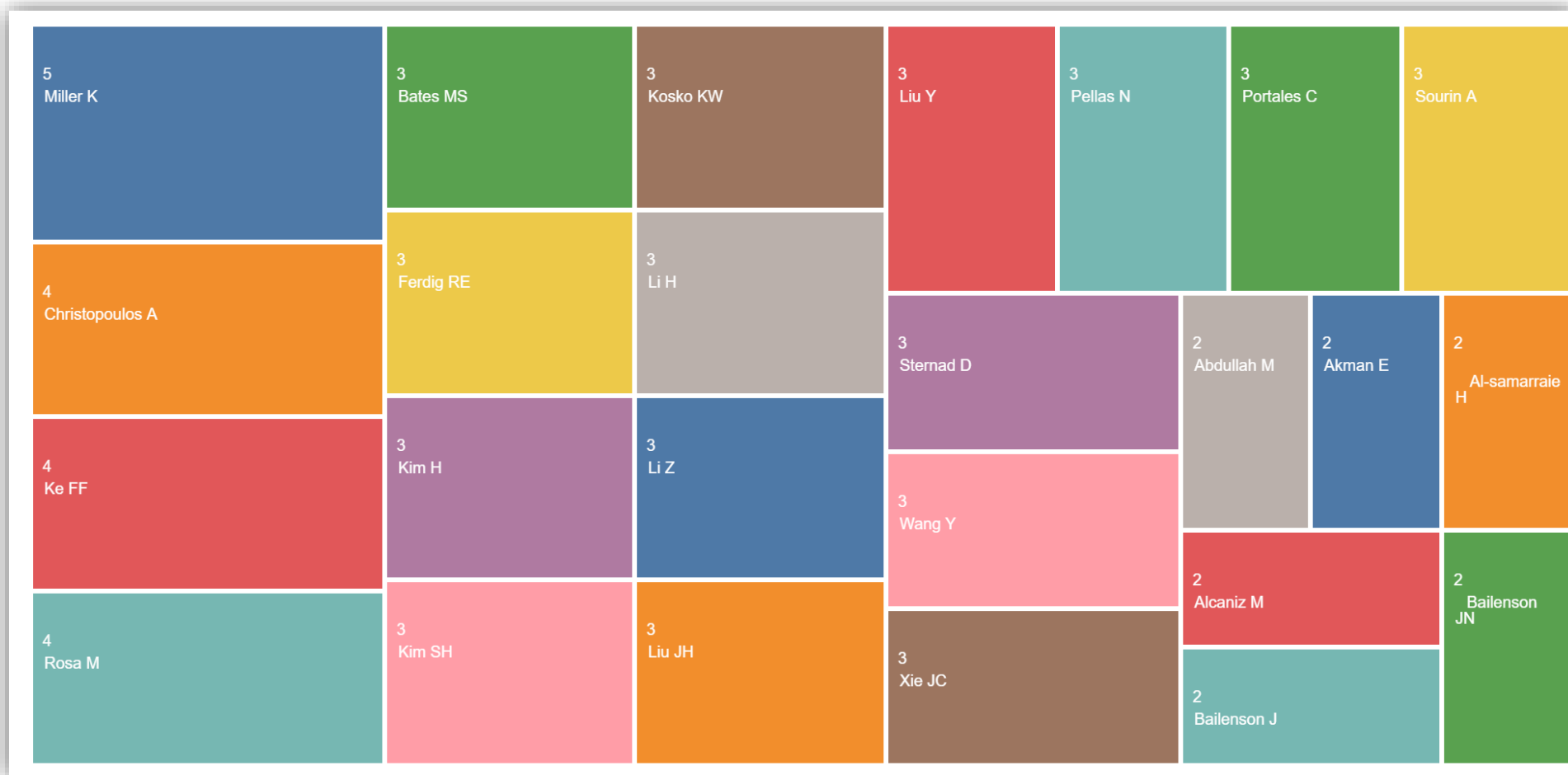
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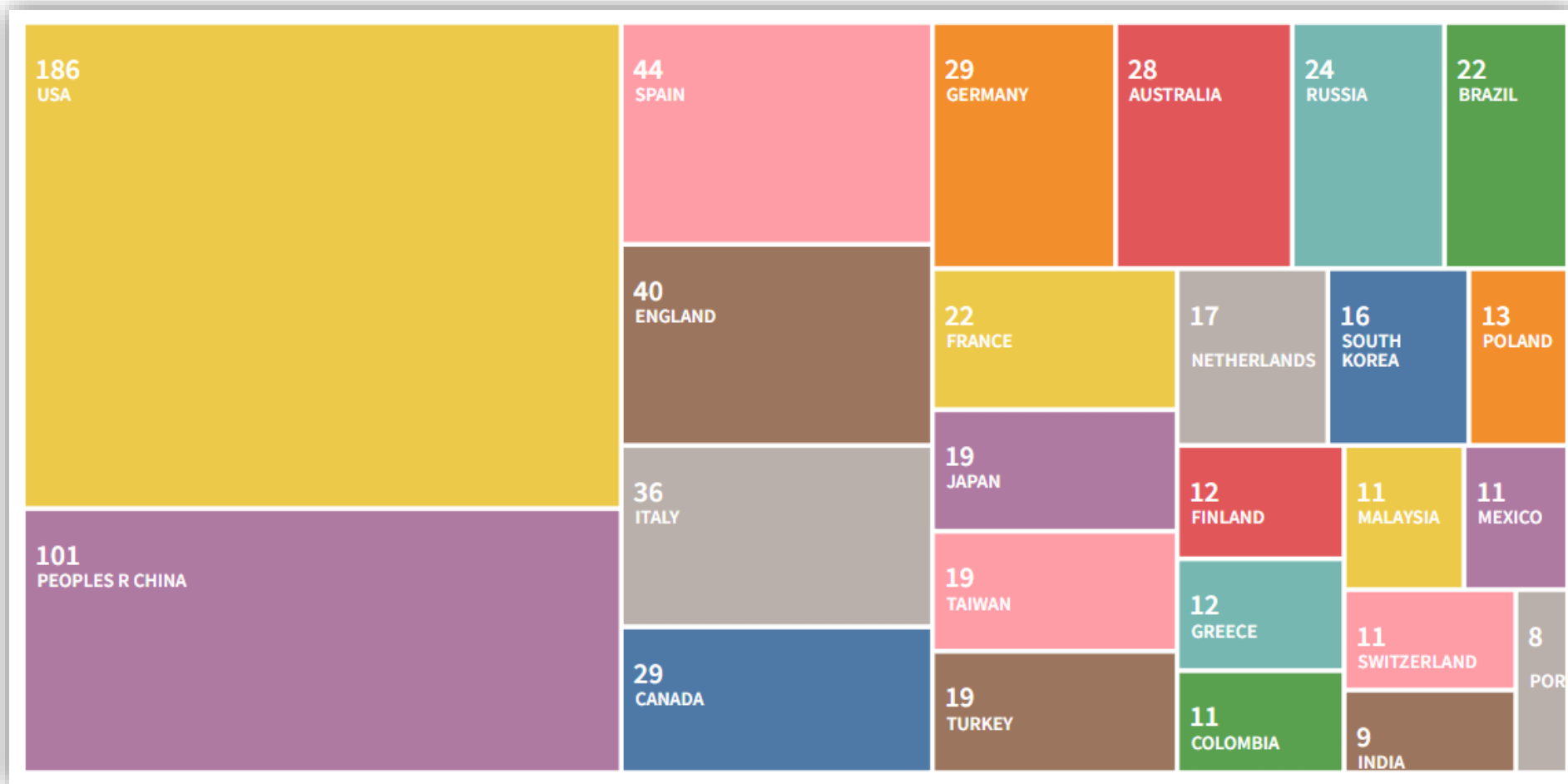
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全選 <input type="checkbox"/>	欄位: 作者	記錄數	702 筆中的百分比
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限縮依據:: 國家/地區: INDIA X 全部清除

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在結果內檢索...

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☐ Review Articles 30

☐ Early Access 22

☐ 開放取用 282

☐ 被引參考文獻深度分析 90

☐ 0/702 新增至勾選清單 匯出 ▾

排序依據: 使用情況 (過去 180 天): 最多優先 < 1 / 15 >

☐ 1

The Past, Present, and Future of Virtual and Augmented Reality Research: A Network and Cluster Analysis of the Literature

Cipresso, P; Giglioli, JAC; (...); Riva, G

Nov 6 2018 | FRONTIERS IN PSYCHOLOGY 9

The recent appearance of low cost virtual reality (VR) technologies - like the Oculus Rift, the HTC Vive and the Sony PlayStation VR - and Mixed Reality Interfaces (MRITF) - like the Hololens - is attracting the attention of users and researchers suggesting it may be the next largest stepping stone in technological innovation. However, the history of VR technology is longer than it may seem: th

... 顯示更多

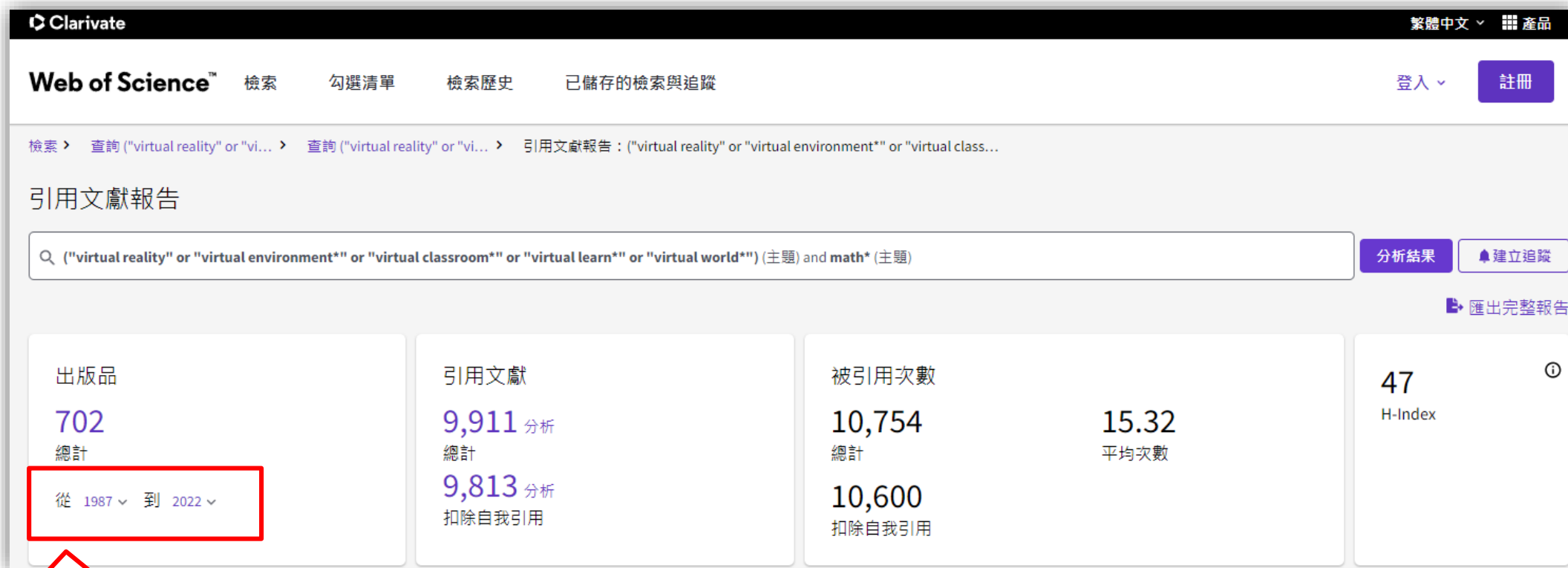
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193
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105
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Q ("virtual reality" or "virtual environment*" or "virtual classroom*" or "virtual learn*" or "virtual world*") (主題) and math* (主題) 分析結果 建立追蹤

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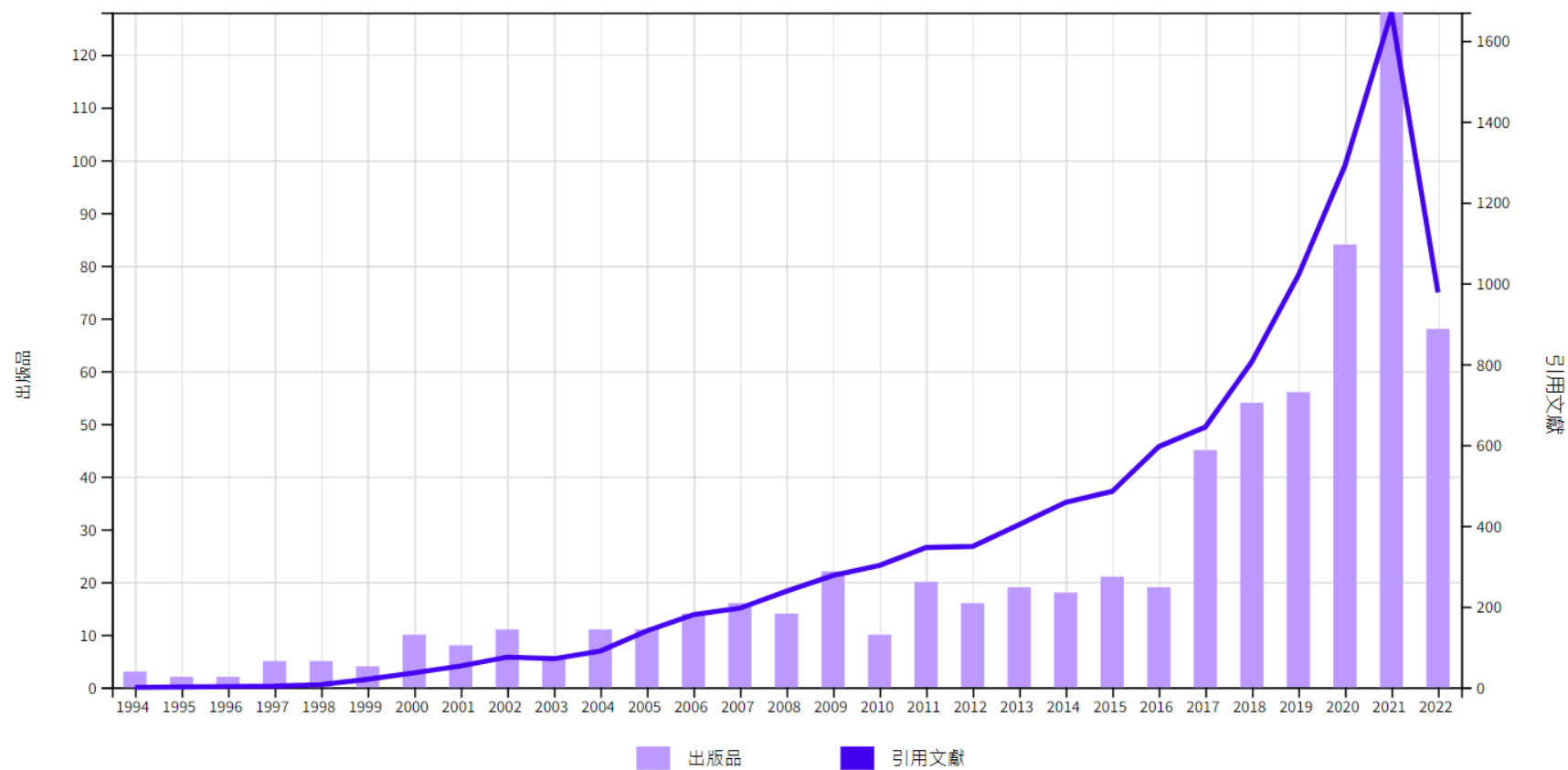
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下載



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						< 前一年					後一年 >	每年平均 引用次數	總計
						2018	2019	2020	2021	2022			
		總計				806	1,020	1,291	1,672	1,011	384.71	10,772	
⊖ 1	Rigid-body dynamics with friction and impact Stewart, DE Mar 2000 SIAM REVIEW 42 (1) , pp.3-39					36	30	28	22	6	18.04	415	
⊖ 2	Constitutive modelling of brain tissue: Experiment and theory Miller, K and Chinzei, K Nov-dec 1997 JOURNAL OF BIOMECHANICS 30 (11-12) , pp.1115-1121					18	26	19	13	6	15.23	396	
⊖ 3	Educational virtual environments : A ten-year review of empirical research (1999-2009) Mikropoulos, TA and Natsis, A Apr 2011 COMPUTERS & EDUCATION 56 (3) , pp.769-780					41	65	53	61	27	32.58	391	

檢視文獻詳細資料

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						2018	2019	2020	2021	2022				
總計						806	1,020	1,291	1,670	995	384.07	10,754		
⊖ 1	Rigid-body dynamics with friction and impact Stewart, DE Mar 2000 SIAM REVIEW 42 (1) , pp.3-39					36	30	28	22	6	18.04	415		
⊖ 2	Constitutive modelling of brain tissue: Experiment and theory Miller, K and Chinzei, K Nov-dec 1997 JOURNAL OF BIOMECHANICS 30 (11-12) , pp.1115-1121					18	26	19	13	6	15.23	396		

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研究主題、作者、機構等等



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VR & math

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Hwang, Gwo-Jen ✓

National Taiwan University of Science & Technology
Grad Inst Digital Learning & Educ
TAIPEI, TAIWAN

Web of Science ResearcherID : G-6454-2012

作者發表別名: Hwang, GJ Hwang, Gwo Jen [更多...](#)

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Hwang, Gwo-Jen

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作者發表別名: Hwang, GJ Hwang, G. J.

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作者發表別名 ⓘ Hwang, Gwo-Jen Hwang, GJ Hwang, Gwo-jen Hwang, G. -J. Hwang, Gwo Jen

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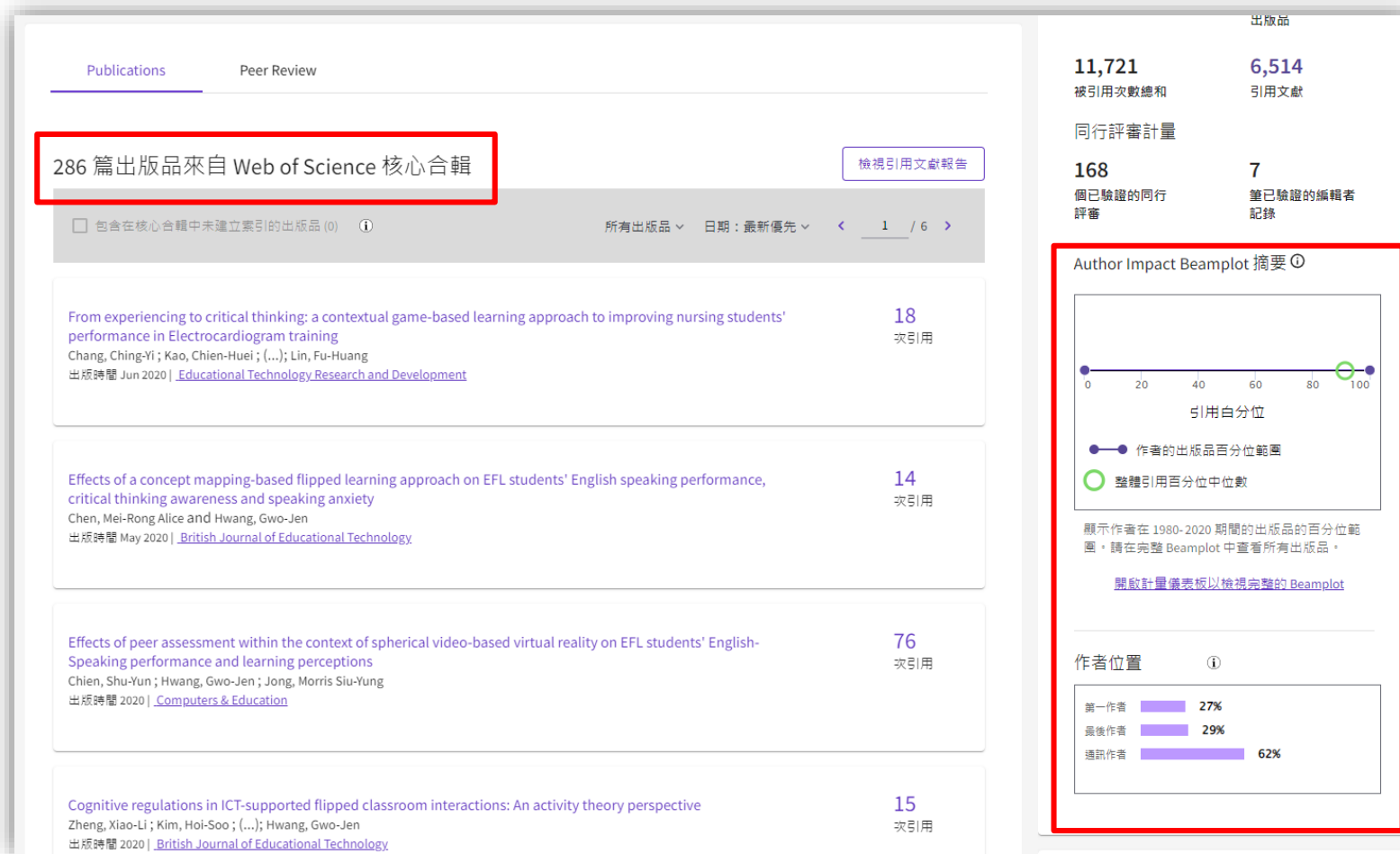
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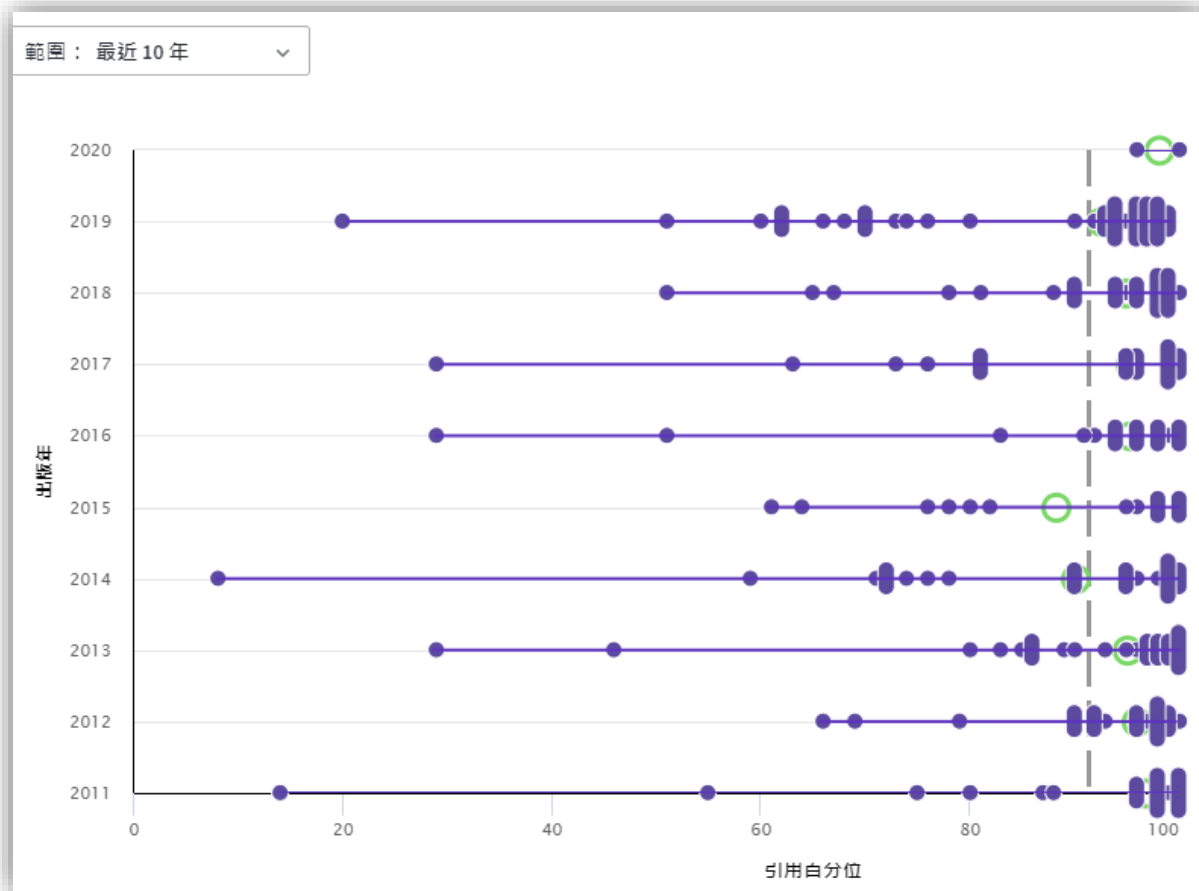
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簡淑芸(Victoria Chien)

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