

應家琪 (推廣服務股)

# 一、前言

您是否曾因利用Web of Science資料庫(以下簡稱WOS資料庫)檢索出大量的書目資料,而 不知所措?事實上,WOS資料庫提供了2種分析檢索結果的工具,讓使用者可以快速的萃取出所 需的資訊。

簡介Web of Scienc 中之

檢索結果分析工具

案例:使用者想瞭解近5年有哪些作者發表超過10篇與SARS相關的SCI論文?初步以 年代和主題進行檢索,所得結果高達3,671筆,接下來該怎麼辦呢?

# 二、檢索結果分析工具之介紹

上述問題便可利用WOS資料庫中的檢索結果分析工具來輔助,以快速取得相關資訊。以下分別以此2種分析工具來進行上述範例的解析,並説明其中之差異。

#### (-)Refine your results

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WOS資料庫在檢索結果的上方【如圖1,提供"Refine your results"的功能,此功能可針對 Subject Categories(學科主題)、Source Titles(期刊)、Document Types(文獻類型)、Authors (作者)、Publication Years(出版年)、Countries/Territories(出版地)、Institutions(作者的任 職機構)及Languages(語文)等進行分析。



圖1. WOS資料庫中之" Refine your results" 功能



國立臺灣大學醫學院圖書館館訊第89期・民國96年5月▶▶▶▶▶

# NEWSletter 新知介紹

以此例而言,點選"Authors"一項,可看到前100名的作者清單,作者名稱後面的圓括弧, 表示該作者發表的論文篇數【如圖2】。若勾選所欲觀察的作者後,再執行"View Records"便可 看到該作者發表論文的書目資料。

Web of Knowle	dge™ <u>w</u>	b of Science	GO GO		HOME	LOG
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Subject Categories   fewer choices	Source Titles   Document	Type   Authors	ublication Years   Countr	ies/Territories   Inst	itutions   Languages	
op Authors:				IN VIEW RECORDS	X EXCLUDE RECORDS	Hide
[ANON] (95)	FOK, TF (21)	LEUNG, GM (17)	CHENG, FWT (14)			
YUEN, KY (79)	JIANG, HL (21)	LIM, W (17)	CHIU, MC (14)			
PEIRIS, JSM (65)	OSTERHAUS, ADME (21)	OOI, EE (17)	JOYNT, GM (14)			
SUNG, JJY (60)	SHEN, X (21)	AHUJA, AT (16)	KSIAZEK, TG (14)			
CHAN, KH (59)	WANG, J (21)	CHEN, PJ (16)	KURANE, I (14)			
CHAN, PKS (58)	YANG, PC (21)	CHEN, WJ (16)	LAM, TH (14)			
GUAN, Y (40)	ZHONG, NS (21)	CHIU, RWK (16)	LAU, JTF (14)			
POON, LLM (39)	CINATL, J (20)	MIZUTANI, T (16)	RAINER, TH (14)			
HUI. DSC (30)	LL. WH (20)	PREISER, W (16)	SALJO, M (14)			
LI, Y (29)	LOW, DE (20)	ROBERTS, A (16)	SHEN, JH (14)			
CHANG, SC (28)	ZIEBUHR, J (20)	YANG, RF (16)	TASHIRO, M (14)			
DOERR, HW (27)	HSUEH, PR (19)	BARIC, RS (15)	WANG, Y (14)			
CHENG, VCC (26)	LAL, ST (19)	DROSTEN, C (15)	TYU, J (14)			
LEE. N (26)	LL AM (19)	FUKUSHI, S (15)	ANDERSON, LJ (13)			
LING, AE (25)	LO, YMD (19)	KAO, CL (15)	ANTONIO, GE (13)			
MORIKAWA, S (25)	SU, 13 (19)	LIM, SG (15)	HEDLEY, AJ (13)			
FARZAN, M (24)	TO, KF (19)	LIU, Y (15)	HO, MS (13)			
SUBBARAO, K (24)	HUI, DS (18)	MCGEER, A (15)	HSIAO, CH (13)			
WOO, PCY (24)	TAN, YJ (18)	RAO, ZH (15)	HUANG, Y (13)			
ZHENG, BJ (24)	ZHANG, Y (18)	TSOL HW (15)	LL, J (13)			
LAU, 5KP (23)	CHEN, 3 (17)	WONG, TW (15)	LIANG, PH (13)			
NG, PC (22)	ENSERINK, M (17)	CHAN, KS (14)	LIU, DX (13)			
TAM, JS (22)	HE YX (17)	CHEN, KX (14)	T LUO, HB (13)			

圖2. 點選"Authors"可看到前100名的作者清單

也許您會問,此功能只提供前100名的作者清單,而第100名的作者(OOI,GC)發表篇數為 13筆,那麼其他的作者清單,我該到何處取得呢?沒錯,"Refine your results"只能提供前100筆 的結果,假使您要觀察的標的,落在100筆之外,則要建議您改用"Analyze results"的功能來執 行,以下便為您説明"Analyze results"的功能。

 $(\_)$  Analyze results

WOS資料庫在檢索結果的右方【如圖3】,提供"Analyze results"的功能,此功能同樣可針 對Subject Categories(學科主題)、Source Titles(期刊)、Document Types(文獻類型)、Authors (作者)、Publication Years(出版年)、Countries/Territories(出版地)、Institutions(作者的任 職機構)及Languages(語文)等進行分析【如圖4中的"Rank the records by"】。此外,使用者可 依需求,選擇分析前N(100,250,500,…100,000)筆的資料【如圖4中的"Analyze"】,並且可 以選擇顯示分析結果的筆數,在此要特別注意的是"threshold(門檻值)"的設定,系統預設值 為2,表示至少有2筆的資料才會被顯示出來,使用者可視需求將此值改為1或其它的數值【如圖 4中的"Set display options"】。最後,使用者可依筆數或依分析的欄位加以排序【如圖4中的" Sort by"】,以取得一份適用的檢索結果。

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Go to Page: 1 of 368	60 2   10 ] <b>&gt; &gt;&gt; &gt;</b>	
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to control pandemic infection	View rankings of the aut journals, etc. for these r	hors, ecords.
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# 新知介紹 **NTUML** Newsletter

SUMMARY				Web Of S	cience Results A	analysis	HELF
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3,671 records.	TS=(SARS) AND	PY=(2002	-2006)				
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Author Country/Territory Document Type Institution Name	Up to 1000	00 💌 recor	ds. Show th Minimur	ne top 500 💌	results. (threshold): 10	<ul> <li>Record count</li> <li>Selected field</li> </ul>	
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圖4. WOS資料庫中之" Analyze results" 功能畫面

以此例而言,當我們進入"Analyze results"的功能後,即可在"Rank the records by"的功能 下選擇"Author";在"Analyze"的功能下維持系統的預設值(100,000)不變;在"Set display options"的功能下選擇"Show the top 500 results"(此為系統目前提供的最高值),並且將" threshold"設為"10"(因為我們要觀察的是發表超過10篇論文的作者);最後再依據筆數多寡 予以排序。

如圖4所示,檢索結果除了提供筆數之外,還會以百分比的方式呈現,讓使用者一目瞭然。 此外,使用者可勾選作者前方的口,並執行"View Records"即可查閱該作者發表的論文;點 選"Save analysis data to file",則可進一步儲存此資料表。

# 三、結語

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適時利用WOS資料庫的檢索結果分析工具,可協助使用者將大量的檢索結果予以群組 (group);透過量化及圖示的呈現,可方便使用者觀察其研究問題的發展趨勢;亦可針對個別需 求,直接觀察其發表論文的書目資料。總之,善用上述2種分析工具,可讓使用者的檢索行為更具 效率。假使您尚未使用過此功能,下回利用WOS資料庫時,別忘了試試看喲!