

藥學科技(二)報告

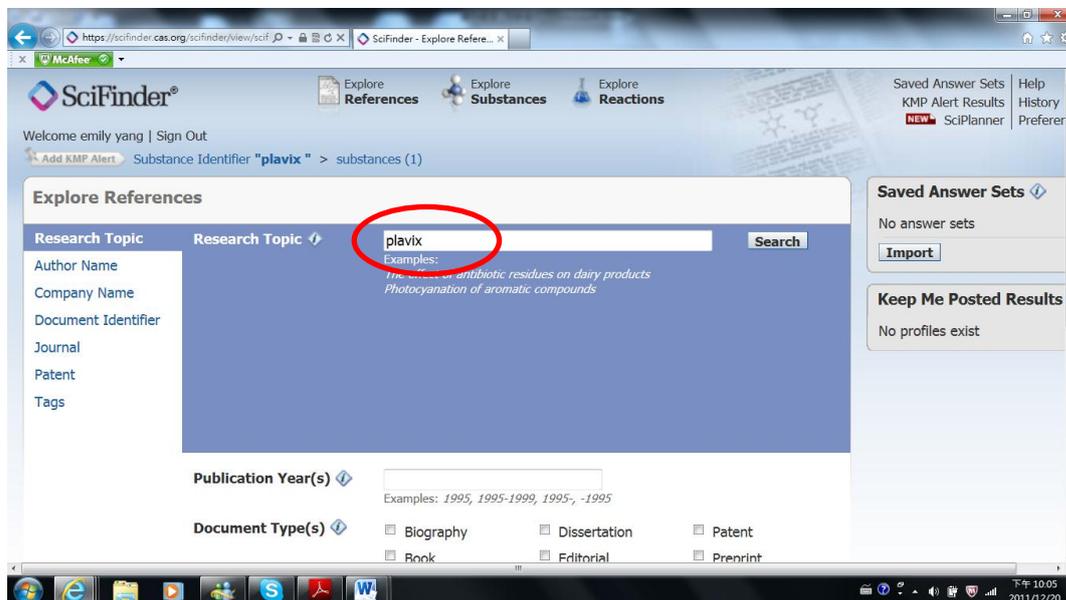
B303098072 藥三 A 班 楊上嬋

一、 SciFinder

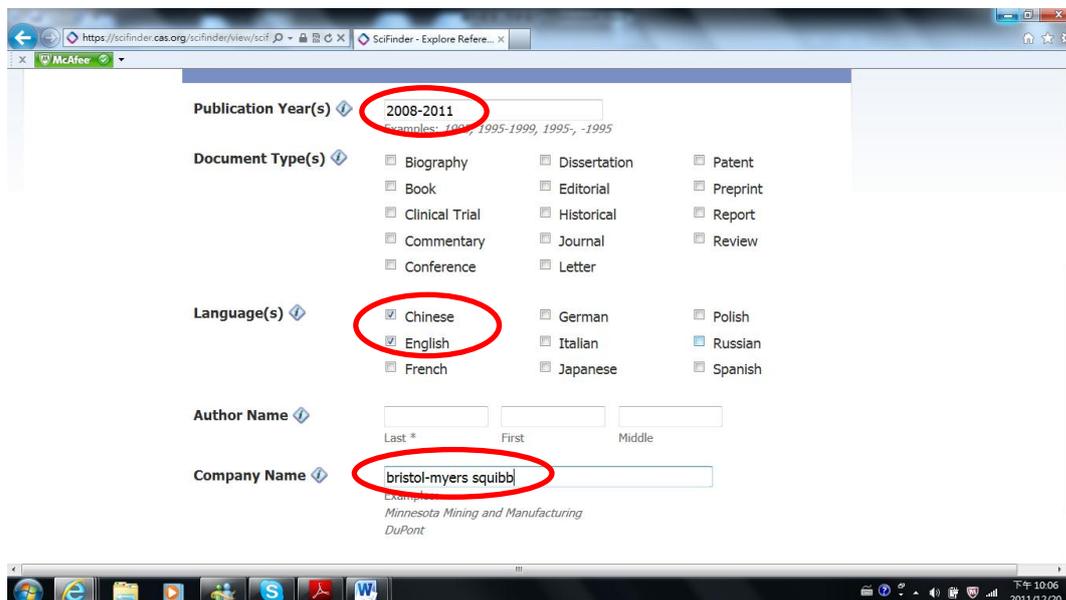
(1) 搜尋題目： Plavix (保栓通) 抗血栓藥

(2) 使用成果：

登入 scifinder 系統後，在搜尋的地方輸入要查詢的字：plavix

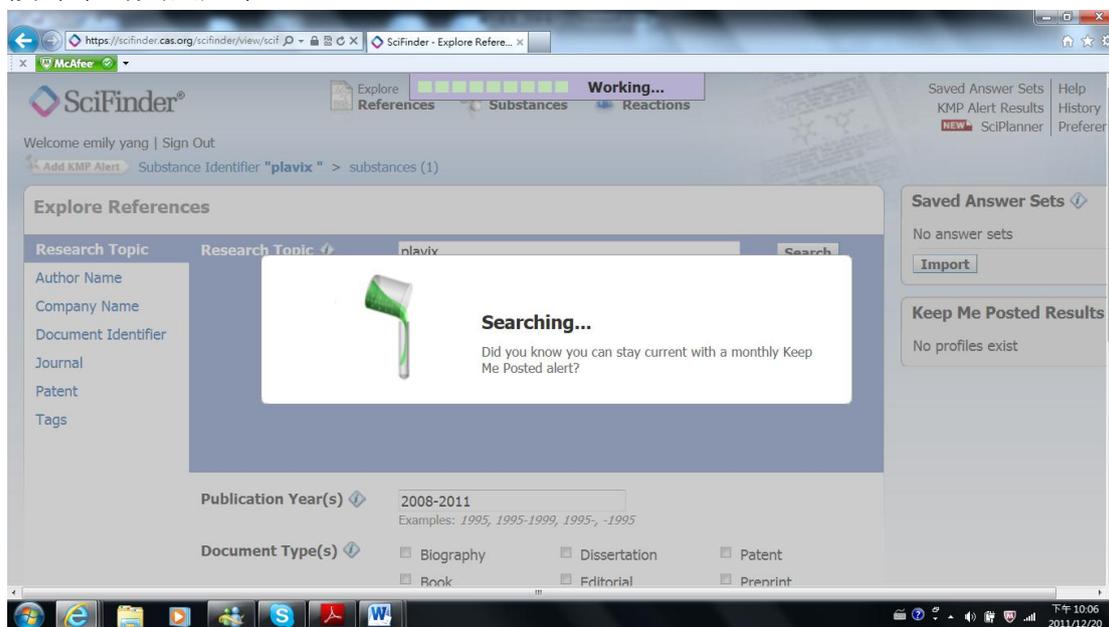


在下方加入搜尋條件，縮小資料範圍，並增加精確度。

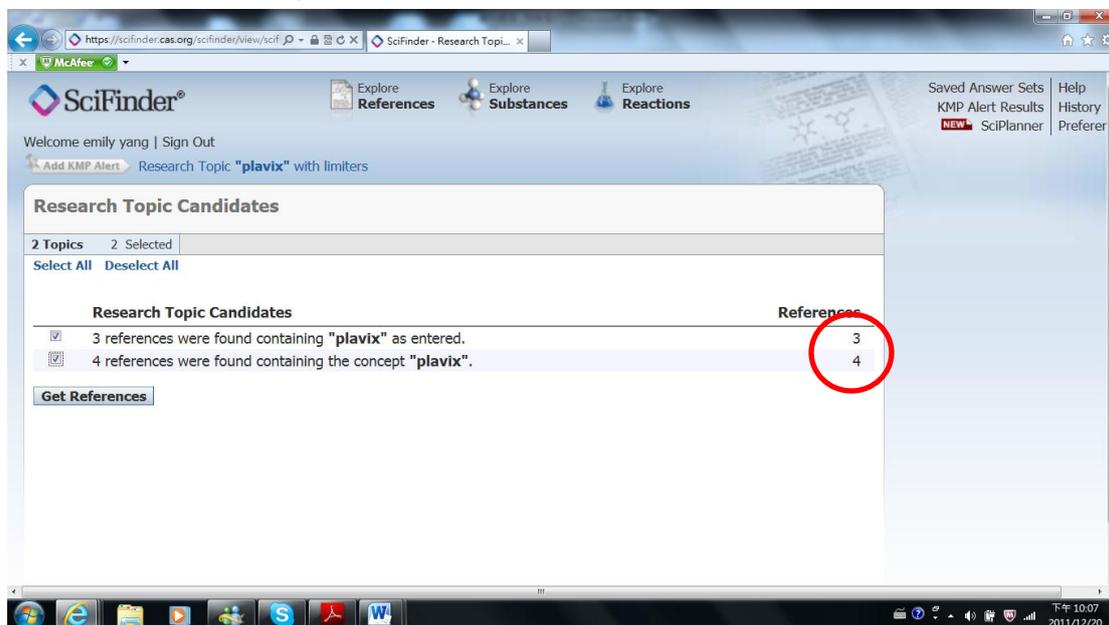


我加入的條件 年分 : 2008~2011
語言 : English、Chinese
公司名稱 : Bristol-Myers Squibb

搜尋中的頁面如下：



結果顯示有幾筆相關資料

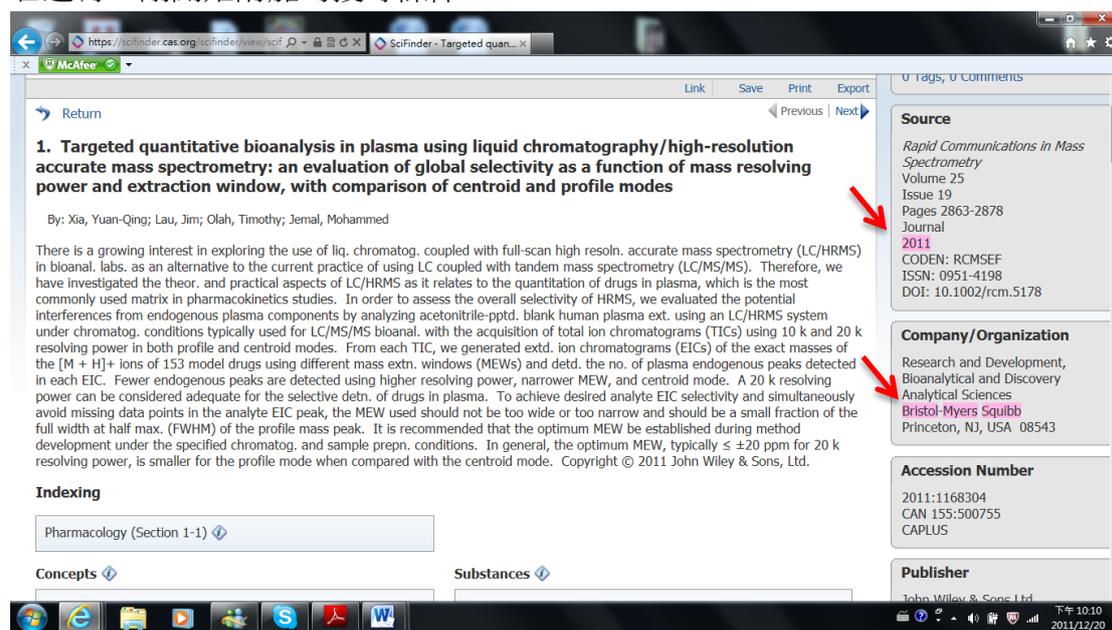


點出來看，就可以看到文章標題及部分內文，可檢視是否為自己需要的資料。



點開第一篇文章，全部的內容就顯示出來了。

右邊有一剛開始附加的搜尋條件。



在這裡可以詳細的閱讀文章，並再依目標做搜尋條件的修改。

下面一點的地方有結構。

A screenshot of the SciFinder web interface showing search results for 'plavix'. The results list includes:
111470-99-6 Norvasc
111974-72-2 Seroquel
112529-15-4 Actos
112811-59-3 Tequin
112965-21-6 Dovonex
115256-11-6 Tikosyn
120202-66-6 Plavix
129318-43-0 Fosamax
129722-12-9 Abilify
134523-03-8 Lipitor
134678-17-4 Lamivudine
136434-34-9 Cymbalta
136470-78-5 Abacavir

The chemical structure of Plavix (clopidogrel) is displayed in the center, along with the structure of a sulfonic acid group (HO-S(=O)(=O)-OH).

點擊 Explore Substances，也可以查結構。

A screenshot of the SciFinder 'Explore Substances' search interface. The 'Substance Identifier(s)' field contains the text 'plavix'. The 'Substance Identifier' option is circled in red. The interface also shows navigation tabs for 'Explore References', 'Explore Substances', and 'Explore Reactions'. A message at the top states: 'A Java plug-in is required for structure drawing. Refer to the Help.' The search results section on the right shows 'Saved Answer Sets' and 'Keep Me Posted Results'.

按 Search 後，出現藥物的結構，和剛剛文章裡顯示的一樣。

A screenshot of the SciFinder 'Substance Detail' page for Plavix (120202-66-6). The page displays the chemical structure of Plavix and its molecular formula: $C_{16}H_{16}ClN_2O_2S$. Below the structure, it shows the absolute stereochemistry and rotation (+). The page also displays the chemical structure of a sulfonic acid group (HO-S(=O)(=O)-OH) and its molecular formula: H_2O_4S . The overall molecular formula for the compound is $C_{16}H_{16}ClN_2O_2S \cdot H_2O_4S$. A sidebar on the right shows a list of categories and their counts, such as 'Analytical Study' (1), 'Biological Study' (1), 'Formation, Nonpreparative' (1), 'Occurrence' (1), 'Preparation' (1), 'Process' (1), 'Properties' (1), 'Prophetic in Patents' (1), 'Reactant or Reagent' (1), and 'Uses' (1). A tooltip indicates '1 substance(s) in current answer set'.

(3) 學習心得：

系統介面整齊、簡潔，搜尋條件也多，使用起來很快就可以上手。系統感覺上很完整，輸入一個藥物可以看到它的結構、歷史...相關資訊。

Scifinder 系統包含報告、圖書、學位論文、電子期刊、網路預出刊等資料，並且每日都會更新。除了可以搜尋舊的文章之外，也讓在做研究的人隨時查詢是否有新的發明或發現。若想研發或合成一新的藥物，可以事先查詢是否有人已經做過相似的藥物，避免浪費時間。

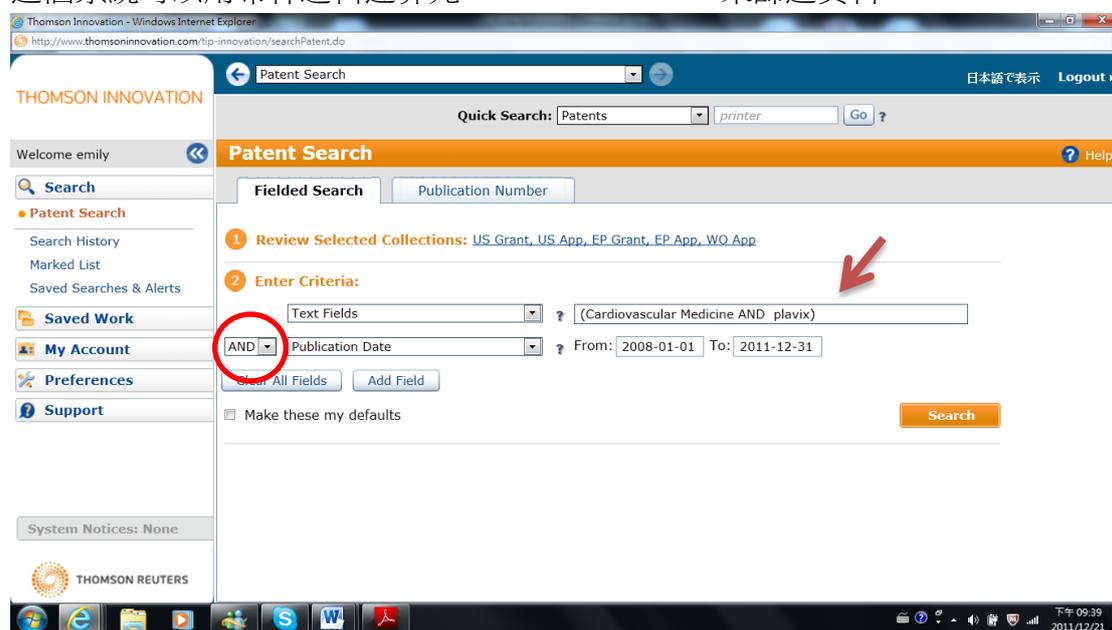
二、 Thomson Innovation

(1) 搜尋題目： 心血管藥物 與 Plavix

(2) 使用成果：

登入 Thomson Innovation 頁面，輸入搜尋文字。

這個系統可以用布林邏輯運算元，AND、OR、NOT 來篩選資料。

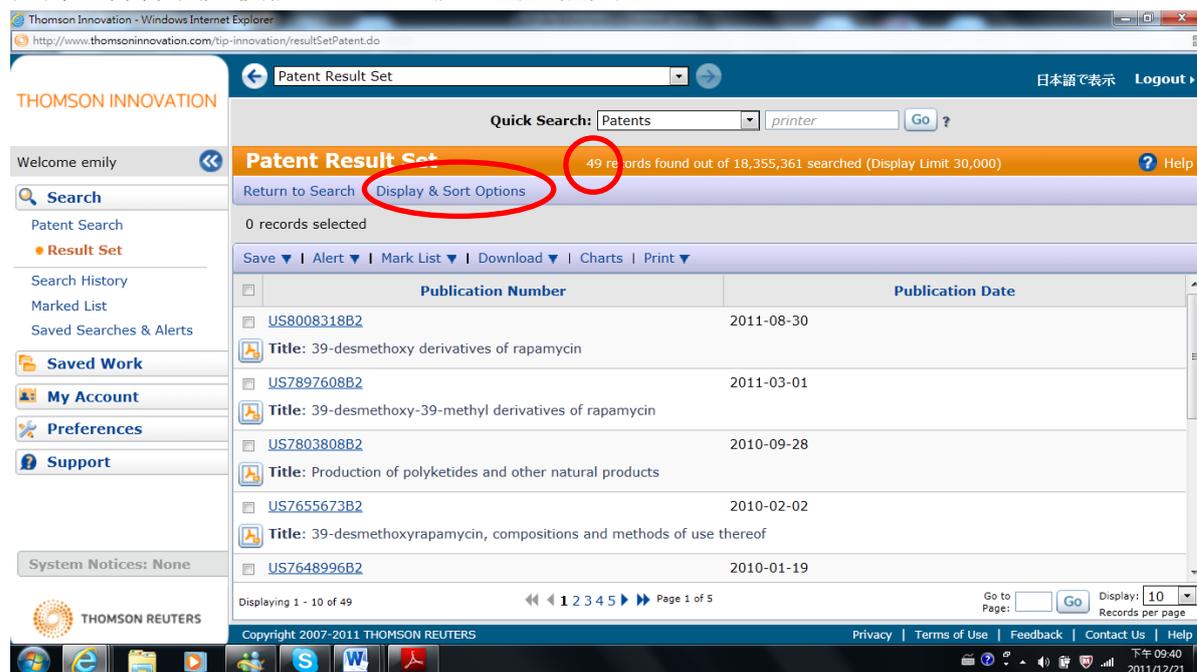


The screenshot displays the Thomson Innovation Patent Search interface. The main search area is titled "Patent Search" and includes a "Quick Search" bar with a dropdown menu set to "Patents" and a "Go" button. Below this, there are two tabs: "Fielded Search" (selected) and "Publication Number". The search criteria are defined in two steps:

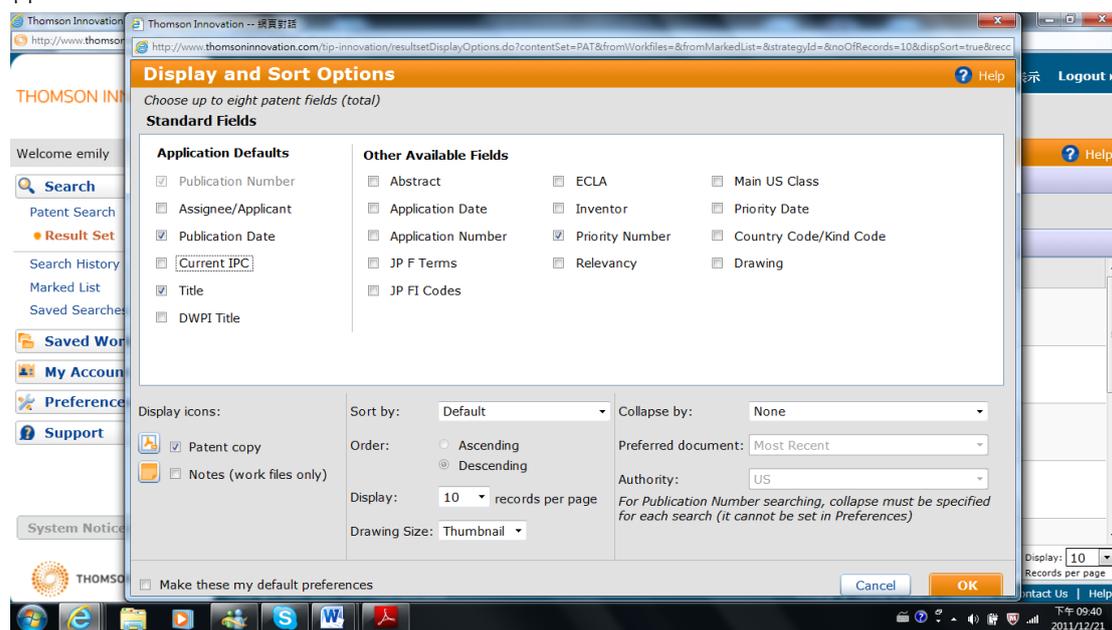
- Review Selected Collections:** US Grant, US App, EP Grant, EP App, WO App
- Enter Criteria:**
 - Text Fields:** (Cardiovascular Medicine AND plavix)
 - Publication Date:** From: 2008-01-01 To: 2011-12-31

The "AND" operator in the logical expression is circled in red. A red arrow points to the search criteria area. The interface also includes a sidebar with navigation options like "Search", "Patent Search", "Saved Work", "My Account", "Preferences", and "Support". The bottom of the page shows the Thomson Reuters logo and system notices.

把篩選條件填完後按 Search，就跑出這個頁面。



按一下上面的 Display & Sort Options，會跳出新的頁面，可以再加入新的搜尋條件。



點進去第一筆資料，可閱讀文獻內容。

Thomson Innovation - Windows Internet Explorer
http://www.thomsoninnovation.com/tip-innovation/recordView.do?paper.offset=0&recordCount=1&parentIds=null&totalRecords=49&fromRecordView=false&datasource=T3&category=PAT&selRecord=1&resultsetId=21640467&c

Patent Record View - US8008318B2

Record View: Patent US8008318B2

Quick View

DWPI Title ?
New 39-desmethoxyrapamycin derivative in which 40-hydroxy position is derivatized as e.g. a carboxylic acid ester, ether or glycosyl, useful for treating e.g. cancer, autoimmune disorders and diseases of inflammation

Original Title ?
39-desmethoxy derivatives of rapamycin

Abstract ?
The present invention relates to 39-desmethoxyrapamycin derivatives and their uses thereof. The present invention provides for the use of these compounds in the treatment of cancer and/or B-cell malignancies, the induction or maintenance of immunosuppression, the treatment of transplantation rejection, graft vs. host disease, autoimmune disorders, diseases of inflammation, vascular disease and fibrotic diseases, the stimulation of neuronal regeneration or the treatment of fungal infections.

First Claim ?
1. A method of treatment of cancer or B-cell malignancies which comprises administering to a patient

Record 1 of 49

Images
Image 1/7
Zoom (+)

右邊的结构圖可以放大，點選。

Thomson Innovation - Windows Internet Explorer
http://www.thomsoninnovation.com/tip-innovation/recordView.do?paper.offset=0&recordCount=1&parentIds=null&totalRecords=49&fromRecordView=false&datasource=T3&category=PAT&selRecord=1&resultsetId=21640467&c

Patent Record View - US8008318B2

Record View: Patent US8008318B2

Quick View

Standardized: BIOTICA TECH LTD
Original: Biotica Technology Limited, Es

Inventor ?
BECKMANN CHRISTOPH HENDRIK
MOSS STEVEN JAMES SHERIDAN R
ZHANG MINGQIANG WILKINSON B

Publication Number / Date
US8008318B2 / 2011-08-30

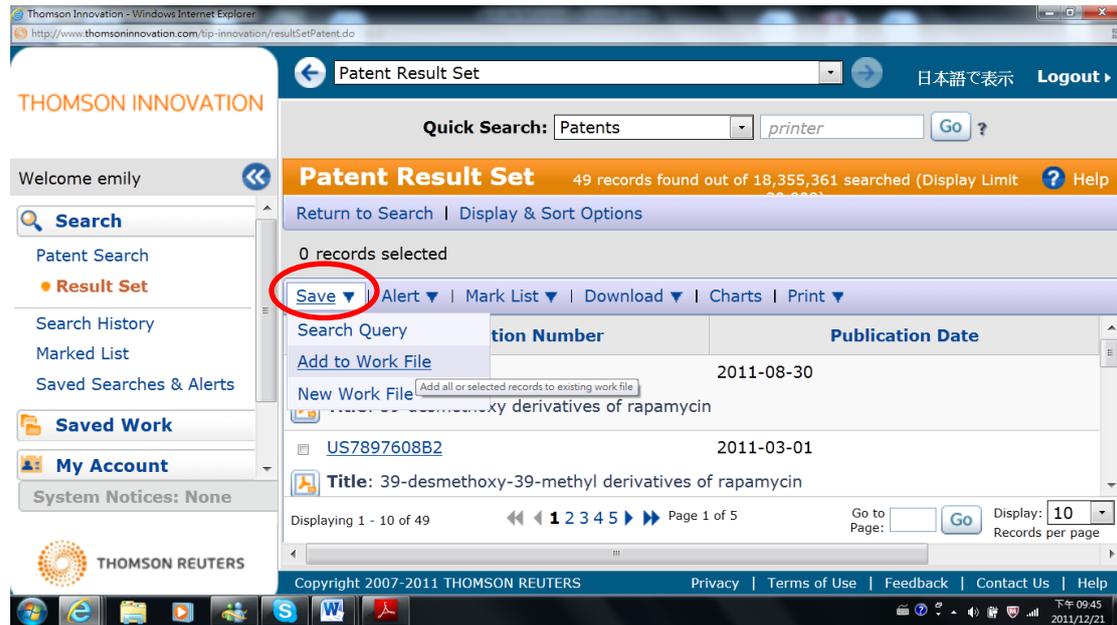
Applicat Date
US20096-03

Priority Number / Date ?
GB20054994A / 2005-03-11

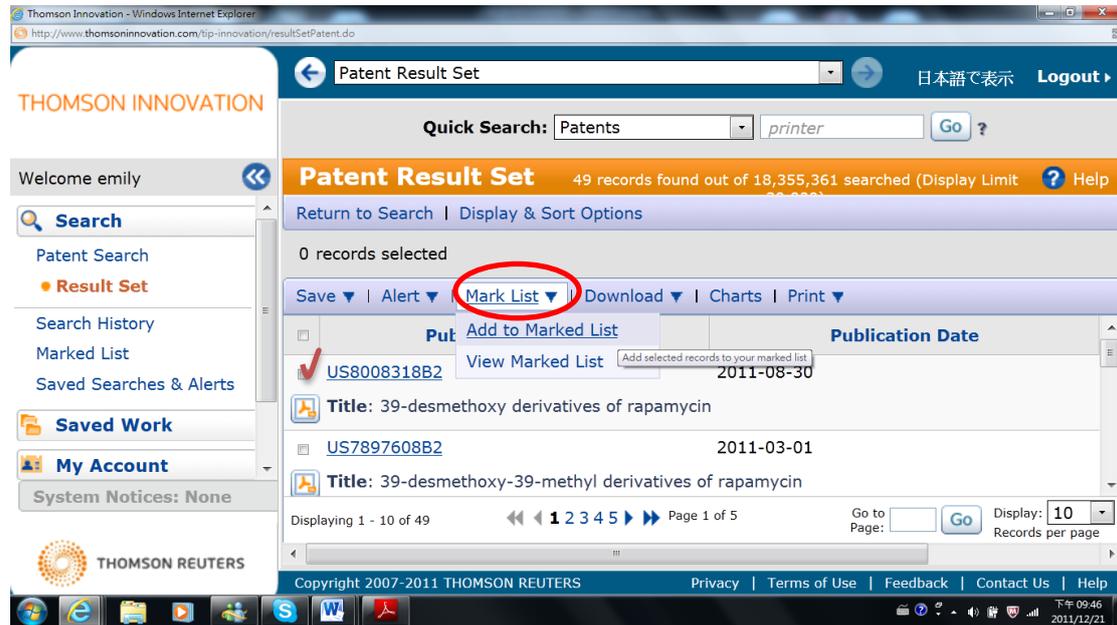
Record 1 of 49

Images
Image 4/7
Zoom (-)

回到上一頁，有個 Save 的選項可以儲存文件。



Mark List 可以暫時保存搜尋結果，將要保存的文章打勾再按 Add to Mark List。



儲存工作項目：
選取文章

The screenshot shows the Thomson Innovation Patent Result Set page. The search criteria are 'Patents' and 'printer'. The results show 49 records found out of 18,355,361 searched. Five records are selected, indicated by a red circle around the '5 records selected' text. The selected records are:

Patent Number	Title	Date
US7803808B2	39-desmethoxy-39-methyl derivatives of rapamycin	2010-09-28
US7655673B2	Production of polyketides and other natural products	2010-02-02
US7648996B2	39-desmethoxyrapamycin, compositions and methods of use thereof	2010-01-19
	39-desmethoxy derivatives of rapamycin	

建立我的文件夾

The screenshot shows the 'Create Work File' dialog box. The 'Name' field is circled in red and contains the text 'emily'. The 'Description (Optional)' field is empty. Under 'Additional Save and Share Options', the 'Save to personal folder' checkbox is checked, and the 'Share via public folder' and 'Share via the Saved Work Inbox' checkboxes are unchecked.

到右方 Work Files 中，就可以看到自己建立的文件夾。

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Quick Search: Patents printer Go ?

Work Files

Search: Common Text Fields Go

0 items selected Created: 2011-12-20 Modified: 2011-12-21

Manage | Charts | Exports & Reports

1 - 1 of 1 Display: 10 per page

emily

Description:

Owner: emily yang Date Created: 2011-12-21

Last Modified By: emily yang Date Modified: 2011-12-21

Items: 5 Content Type: Patent

Shared: No

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點進去就可以看到剛才存取的文章。

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Quick Search: Patents printer Go ?

Work File Result Set > **emily**

emily Help

Advanced Subsearch Display & Sort Options

0 records selected

Save Watch Records | Mark List | Download | Charts | Print

	Publication Number	Publication Date
<input type="checkbox"/>	US9008318B2	2011-08-30
<input type="checkbox"/>	Title: 39-desmethoxy derivatives of rapamycin	
<input type="checkbox"/>	US7897608B2	2011-03-01
<input type="checkbox"/>	Title: 39-desmethoxy-39-methyl derivatives of rapamycin	
<input type="checkbox"/>	US7803808B2	2010-09-28

Displaying 1 - 5 of 5

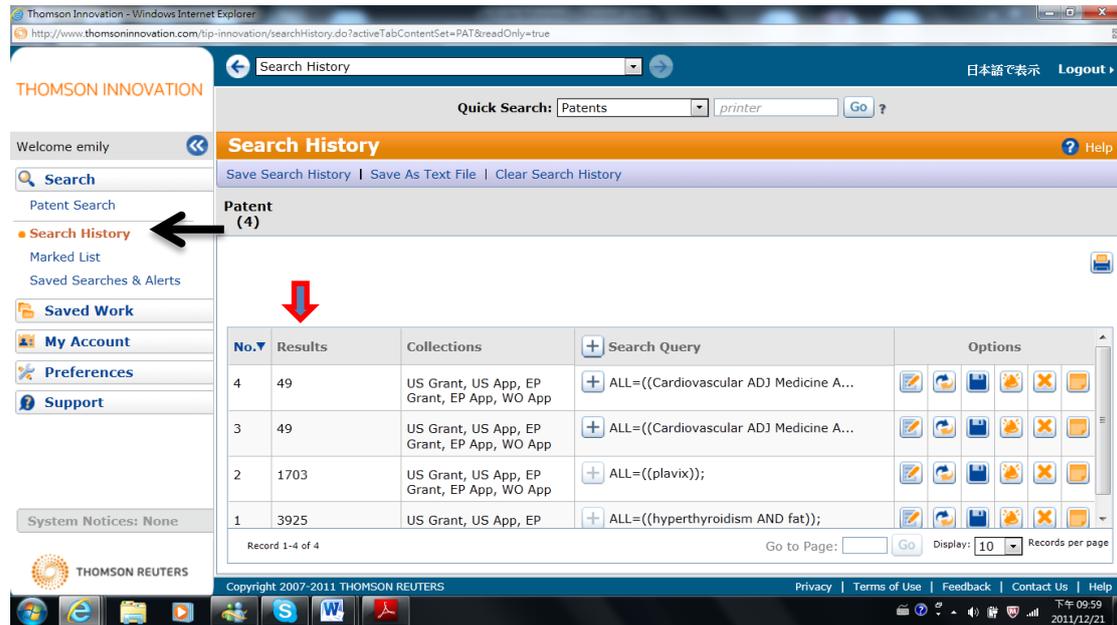
Go to Page: Go

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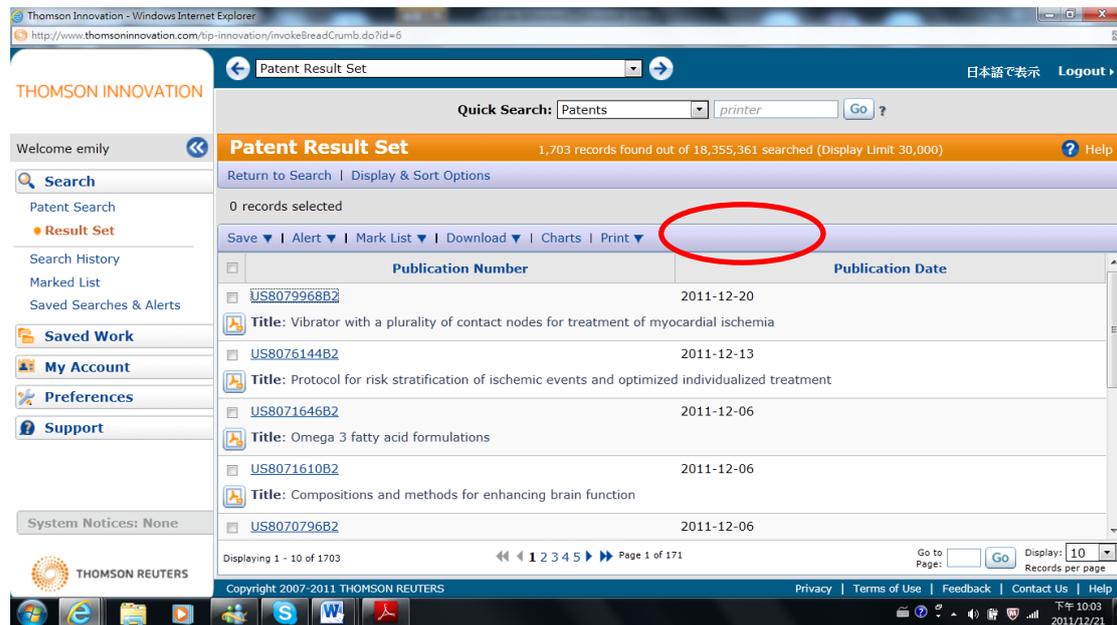
右邊也有 Search history，可以看到搜尋文章的歷史。



The screenshot shows the Thomson Innovation Search History page. The left sidebar contains navigation options: Search, Patent Search, Search History (highlighted with a black arrow), Marked List, Saved Searches & Alerts, Saved Work, My Account, Preferences, and Support. The main content area is titled "Search History" and shows a list of 4 patent records. A red arrow points to the first record in the table. The table has columns for No., Results, Collections, Search Query, and Options. The search queries are: ALL=((Cardiovascular ADJ Medicine A...), ALL=((Cardiovascular ADJ Medicine A...), ALL=((plavix));, and ALL=((hyperthyroidism AND fat));. The bottom of the page shows the Thomson Reuters logo and copyright information.

No.	Results	Collections	Search Query	Options
4	49	US Grant, US App, EP Grant, EP App, WO App	ALL=((Cardiovascular ADJ Medicine A...	[Icons]
3	49	US Grant, US App, EP Grant, EP App, WO App	ALL=((Cardiovascular ADJ Medicine A...	[Icons]
2	1703	US Grant, US App, EP Grant, EP App, WO App	ALL=((plavix));	[Icons]
1	3925	US Grant, US App, EP	ALL=((hyperthyroidism AND fat));	[Icons]

老師上課操作的時候有示範<專利地圖>給我們看，但我們學校的版本沒有這個功能。



The screenshot shows the Thomson Innovation Patent Result Set page. The left sidebar contains navigation options: Search, Patent Search, Result Set (highlighted with a red circle), Search History, Marked List, Saved Searches & Alerts, Saved Work, My Account, Preferences, and Support. The main content area is titled "Patent Result Set" and shows 1,703 records found out of 18,355,361 searched. The table has columns for Publication Number and Publication Date. The search results are: US8079968B2 (2011-12-20), US8076144B2 (2011-12-13), US8071646B2 (2011-12-06), US8071610B2 (2011-12-06), and US8070796B2 (2011-12-06). The bottom of the page shows the Thomson Reuters logo and copyright information.

Publication Number	Publication Date
US8079968B2	2011-12-20
US8076144B2	2011-12-13
US8071646B2	2011-12-06
US8071610B2	2011-12-06
US8070796B2	2011-12-06

(3) 學習心得：

Thomson Innovation 這個系統非常多功能，也很容易上手。他的介面簡單、清楚，不會太難懂。

我覺得布林邏輯運算元的功能很方便，利用簡單的數學觀念，輕鬆篩選自己要的資料，使搜尋結果更精確。更重要的是可以減少查資料的時間。

除了布林邏輯外，搜尋時也可以加入* (開放式又切截)、?(後面加一個字)，等符號幫助查尋。

這個專利檢索平台包含的範圍非常廣闊，方便發明人及時搜尋專利資訊，跟 Scifinder 一樣，避免不必要的時間浪費。