

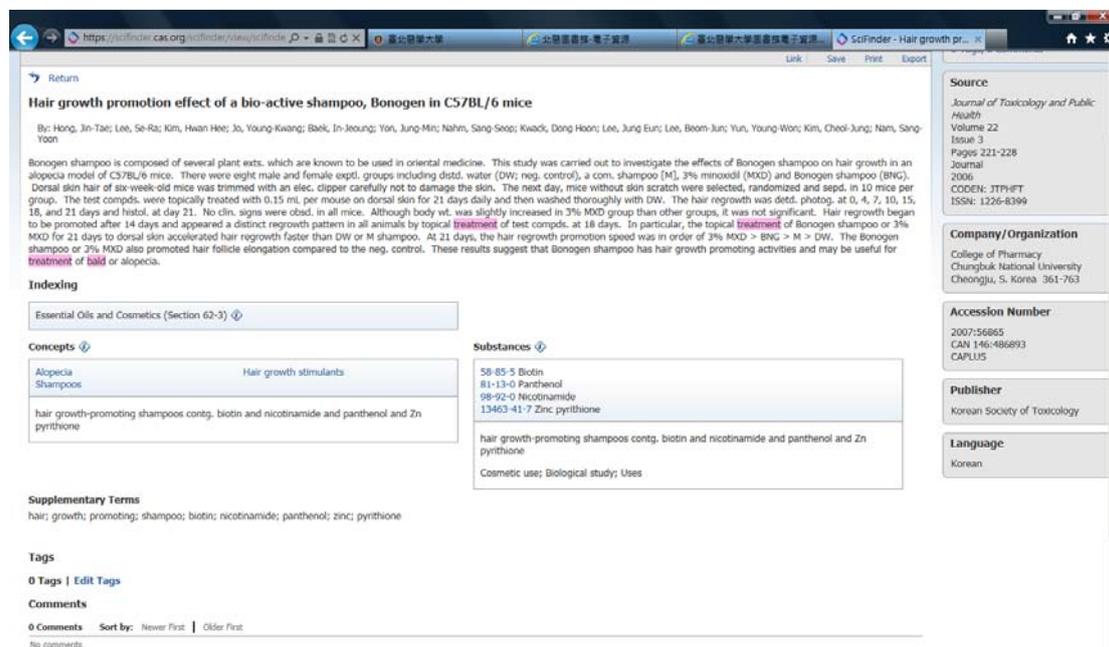
Scifinder (主題：treatment of bald)

一、搜尋過程與結果

1. 我所用的主題是「treatment of bald」(禿頭的治療)。有鑑於近代的社會，男性越來越注重自己的頭髮，且市面上也出現了一些治療雄性禿的洗髮精或是藥品，因此，我就用 scifinder 來查查看，在這個資料庫裡，有哪些是關於禿頭治療的論文。
2. 下面這張圖是我打入 treatment of bald 後跑出的結果。有一筆是完全符合我所打入的關鍵字搜尋。但值得注意的是，另外有 81 筆是系統搜尋出 treatment 和 bald 這兩個字位置在很接近的文章。

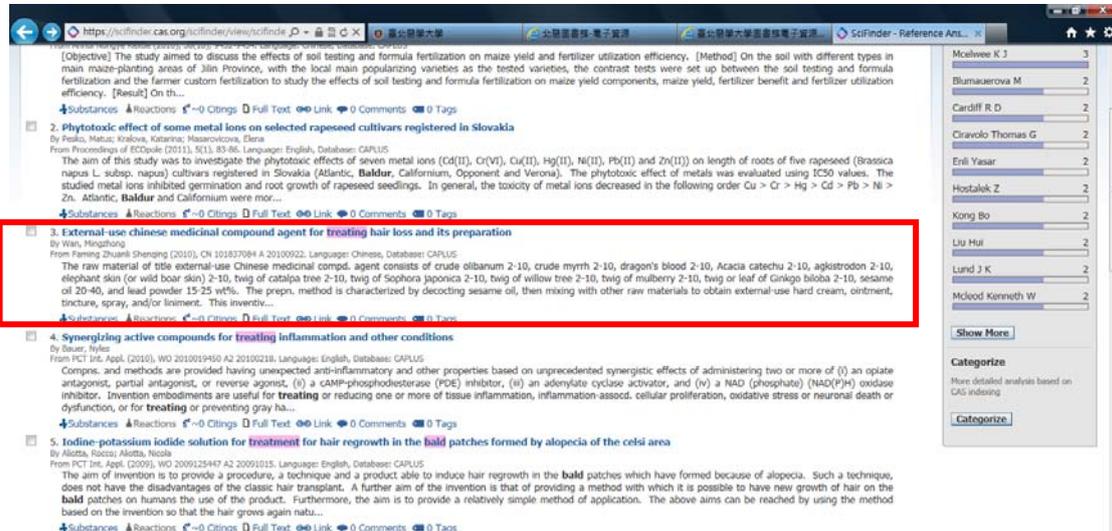


3. 首先，我是先點入那一筆完全符合我打的「treatment of bald」之論文。如下：

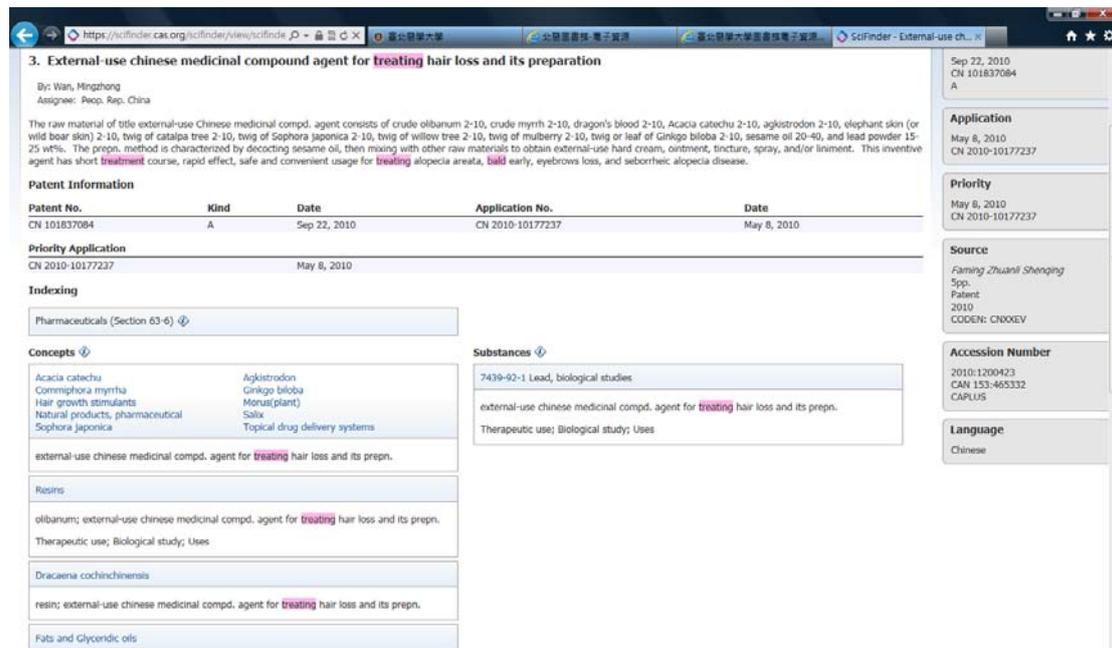


上圖就是那一篇論文的大綱，在讀過一遍後，我發現這真的跟我想要找的概念完全符合。裡面有講到可以治療禿頭的洗髮乳，並且去比較哪種成分是比较有效的。因此我認為，這樣的結果已經代表我找到所想要的論文了。

4.不過，除了上述的這一筆以外，剛剛系統找出有 81 筆是出現 treatment 和 bald 兩字位置很接近的論文，所以我也點了進去大約看一下。我發現有很多的確是跟我所想要找尋的概念有點出入，並不符合「禿頭的治療」，但也有幾筆是符合的。下面這張圖其中的第三筆(就是紅框處)即是符合的論文。



5.點進去後看了大綱，主要是說明對於治療禿頭及掉髮有用的中藥材成分使用。如下就是此論文大綱：



而上述這篇論文還有提供 full text 可以讓讀者閱讀。

二、使用心得

這是我第一次使用 scifinder，以前雖然有用過類似的電子資料庫，但我發現每一種都可以達到使用者不同的需求。我覺得以 scifinder 來講，它是個蠻容易上手的電子資料庫，很簡便的就可以搜尋到自己所想要找的主題文章。而且在你打

入關鍵字搜尋後，它也會幫使用者自動分類好相關性較大到較小的，我認為這是個很人性化的方式。

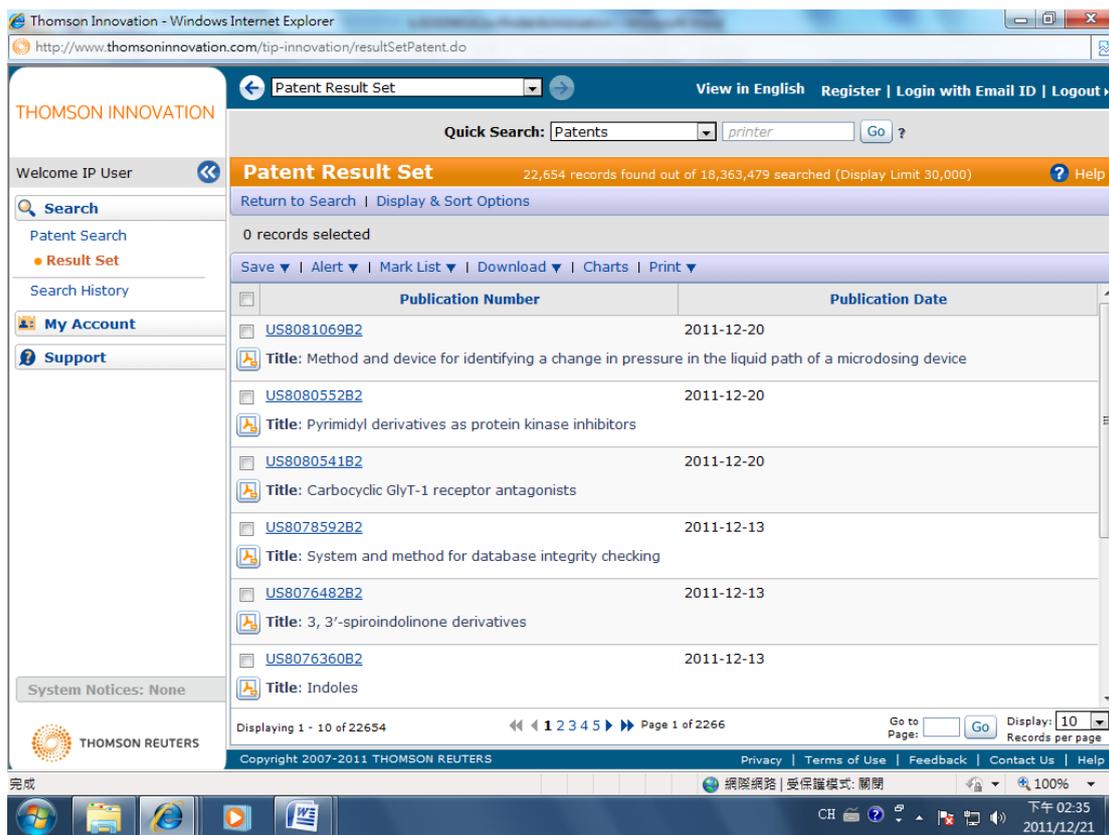
不過因為所具有的文章量很龐大，如果沒有很會利用其所內建的文章分類，像是依照人名、出版年、國家.....等等的，來達到更快的檢索的話，要一篇一篇讀論文的大綱，將是個很耗時間及人力的工作，所以，除了本身資料庫好用以外，要學習如何將所有的功能發揮到最大的效用，就必須看使用者是否夠了解這個電子資料庫了。

Thomson innovation

(主題：Roche 藥廠在 2011 年 12 月的治療專利)

一、搜尋過程與結果

1.第一次，我先在 applicant 那邊打入 Roche 這個藥廠，想要搜尋關於這個藥廠的專利，結果有 22654 筆資料，這個大量的結果顯示出羅氏藥廠可能是個具有許多專利的大藥廠。如下圖，就是第一次搜尋的結果的第一頁。



The screenshot shows the Thomson Innovation patent search interface. The search criteria are set to 'Patents' and 'printer'. The results page displays 22,654 records found out of 18,363,479 searched. The results are listed in a table with columns for Publication Number and Publication Date. The first few results are:

| Publication Number | Publication Date | Title |
|--------------------|------------------|---|
| US8081069B2 | 2011-12-20 | Method and device for identifying a change in pressure in the liquid path of a microdosing device |
| US8080552B2 | 2011-12-20 | Pyrimidyl derivatives as protein kinase inhibitors |
| US8080541B2 | 2011-12-20 | Carbocyclic GlyT-1 receptor antagonists |
| US8078592B2 | 2011-12-13 | System and method for database integrity checking |
| US8076482B2 | 2011-12-13 | 3, 3'-spiroindolinone derivatives |
| US8076360B2 | 2011-12-13 | Indoles |

The interface also includes a search bar, navigation links, and a footer with copyright information (2007-2011 Thomson Reuters).

2.接下來，我在搜尋的地方，多加了一個條件，就是 **and treatment**，我想要尋找關於治療方面的專利，結果還是有 10996 筆，雖然還是很多，卻比剛剛減少了大約一半的資料數量。下圖就是搜尋結果的第一頁。

The screenshot shows the Thomson Innovation website interface. The search results are displayed in a table with the following data:

| Publication Number | Publication Date |
|---|------------------|
| US8080552B2 | 2011-12-20 |
| Title: Pyrimidyl derivatives as protein kinase inhibitors | |
| US8080541B2 | 2011-12-20 |
| Title: Carbocyclic GlyT-1 receptor antagonists | |
| US8076482B2 | 2011-12-13 |
| Title: 3, 3'-spiroindolinone derivatives | |
| US8076360B2 | 2011-12-13 |
| Title: Indoles | |
| US8076334B2 | 2011-12-13 |
| Title: Prodrugs of thyroid hormone analogs | |
| US8071628B2 | 2011-12-06 |
| Title: Indazole derivatives | |

At the bottom of the page, it indicates "Displaying 1 - 10 of 10996" and "Page 1 of 1100".

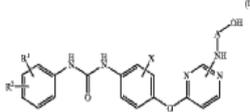
3.由於資料數還是非常龐大，我就再加入一個條件，利用日期來限制範圍，我把出版日期限制在 2011 年 12 月 1 日到 12 月 21 日為止，也就是想要找尋比較新的專利。搜尋結果只剩下 56 筆。如下圖。

The screenshot shows the Thomson Innovation website interface after applying a date filter. The search results are displayed in a table with the following data:

| Publication Number | Publication Date |
|---|------------------|
| US8080552B2 | 2011-12-20 |
| Title: Pyrimidyl derivatives as protein kinase inhibitors | |
| US8080541B2 | 2011-12-20 |
| Title: Carbocyclic GlyT-1 receptor antagonists | |
| US8076482B2 | 2011-12-13 |
| Title: 3, 3'-spiroindolinone derivatives | |
| US8076360B2 | 2011-12-13 |
| Title: Indoles | |
| US8076334B2 | 2011-12-13 |
| Title: Prodrugs of thyroid hormone analogs | |
| US8071628B2 | 2011-12-06 |
| Title: Indazole derivatives | |

At the bottom of the page, it indicates "Displaying 1 - 10 of 56" and "Page 1 of 6".

4.美國專利圖

| (12) United States Patent | | (10) Patent No.: | US 8,090,552 B2 |
|--|---|---|--|
| Georges et al. | | (45) Date of Patent: | Dec. 20, 2011 |
| (54) | PYRIMIDYL DERIVATIVES AS PROTEIN KINASE INHIBITORS | (52) U.S. CL. | 514/256; 514/269; 544/319; 544/311; 544/242 |
| (75) Inventors: | Greg Georges, Habach (DE); Matthias Kuehner, Gletsch-Wyhlen (DE); Irene Kohn, Penzberg (DE); Ulrike Reiff, Penzberg (DE); Wolfgang Schaefer, Mannheim (DE); Edgar Voss, Biehl (DE); Stefan Weigand, Penzberg (DE) | (58) Field of Classification Search | 514/256; 514/269; 544/242, 311, 319 See application file for complete search history. |
| (73) Assignee: | Hoffmann-LA Roche Inc., Nutley, NJ (US) | (56) References Cited | |
| (*) Notice: | Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 457 days. | U.S. PATENT DOCUMENTS | 2004/093398 A1 3/2004 Funahashi et al. |
| (21) Appl. No.: | 12/444,592 | FOREIGN PATENT DOCUMENTS | WO 02/32382 4/2002 WO 2004/014870 2/2004 WO 2005/051300 6/2005 WO 2008/077548 7/2008 |
| (22) PCT Filed: | Dec. 19, 2007 | Primary Examiner — | Sreeni Padmanabhan |
| (86) PCT No.: | PCT/EP2007/011161 | Assistant Examiner — | Sandra Jean-Louis |
| § 371 (c)(1), (2), (4) Date: | Apr. 7, 2009 | (74) Attorney, Agent, or Firm — | George W. Johnston; Patricia S. Rocha-Tramalon; David E. Wildman |
| (87) PCT Pub. No.: | WO2008/077548 | (57) ABSTRACT | Objects of the present invention are the compounds of formula (I), their pharmaceutically acceptable salts, enantiomeric forms, diastereoisomers and racemates, the preparation of the above compounds, medicaments containing them and their manufacture, as well as the use of the above compounds in the control or prevention of illnesses such as cancer. |
| PCT Pub. Date: | Jul. 3, 2008 | | |
| (65) Prior Publication Data | US 2010/0041684 A1 Feb. 18, 2010 | | |
| (30) Foreign Application Priority Data | Dec. 22, 2006 (EP) 06026650 | | |
| (51) Int. Cl. | A01N 43/54 (2006.01) C07D 239/42 (2006.01) C07D 407/04 (2006.01) A61K 31/505 (2006.01) C07D 239/02 (2006.01) C07D 239/09 (2006.01) |  | |
| | | 8 Claims, No Drawings | |

5.其大約包含的內容：

DWPI Title

Original Title

Pyrimidyl derivatives as protein kinase inhibitors

Abstract

Objects of the present invention are the compounds of formula (I), their pharmaceutically acceptable salts, enantiomeric forms, diastereoisomers and racemates, the preparation of the above compounds, medicaments containing them and their manufacture, as well as the use of the above compounds in the control or prevention of illnesses such as cancer.

First Claim

1. A compound according to formula I,

- wherein
- R¹ is selected from the group consisting of: hydrogen, halogen, —CF₃, —OCF₃, alkyl, alkoxy, —Si(CH₃)₃, —C₁-C₄-alkylene-CN, —CN, and —OCHF₂;
- R² is selected from the group consisting of: hydrogen, halogen, —CF₃, —OCF₃, alkyl, alkoxy, and —CN;

- or alternatively R¹ and R² are adjacent and together with the carbon atom to which they are attached form a 5- or 6-membered heterocyclic ring, which is unsubstituted or substituted one to three times with halogen or alkyl;
- X is selected from the group consisting of: hydrogen, fluorine, and chlorine;
- A is C₁-C₆-alkylene, which is unsubstituted or substituted once or twice by hydroxy;
- or a pharmaceutically acceptable salt thereof.

Assignee / Applicant

Original: Hoffmann-LA Roche Inc., Nutley, NJ, US,

Inventor

Georges Guy, Habach, DE
 Koerner Matthias, Grenzach-Wyhlen, DE
 Kolm Irene, Penzberg, DE
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Publication Number / Date Application Number / Date

| | |
|--------------|---------------|
| US8080552B2 | US2009444592A |
| / 2011-12-20 | / 2009-04-07 |

Priority Number / Date

EP200626650A / 2006-12-22
 US2009444592A / 2009-04-07

二、使用心得

我覺得專利權對於世界每個發明者來說，都是個很重要的動力以及權利。若世界上沒有專利權來保護發明者的話，將會造成抄襲以及偽造風氣大盛。這次使用這個系統，就是可以讓使用者知道，是否現在正在著手進行的主題已有發明者具有專利權，是個對發明者很方便的系統。但因為我是第一次使用，我覺得這個系統不太容易上手，不是搜尋的結果超龐雜及眾多，要不然就常常出現搜尋結果為 0 的狀況。

一開始，我打算尋找羅氏藥廠的專利，但本身心裡有個想法是找出的結果一定很多，畢竟羅氏藥廠是個世界聞名的藥廠。麻煩的是，之後我開始利用其他關鍵字加入一起搜尋，卻一直得到結果為 0 的狀況，我有試過 device、drug、vaccine 等都沒有得到任何結果，後來我試了 treatment 得到 10996 筆資料，我想到可以

搜尋比較接近最近的專利，因此用了日期來限制，而我發現資料數量一下子就減少很多了。我覺的重點還是要將這個系統的功能了解更深入，就可以更快也更有效率的找到自己所預設的目標。