

藥學科技(二)報告：應用 Scifinder & Innovation

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系級：藥三

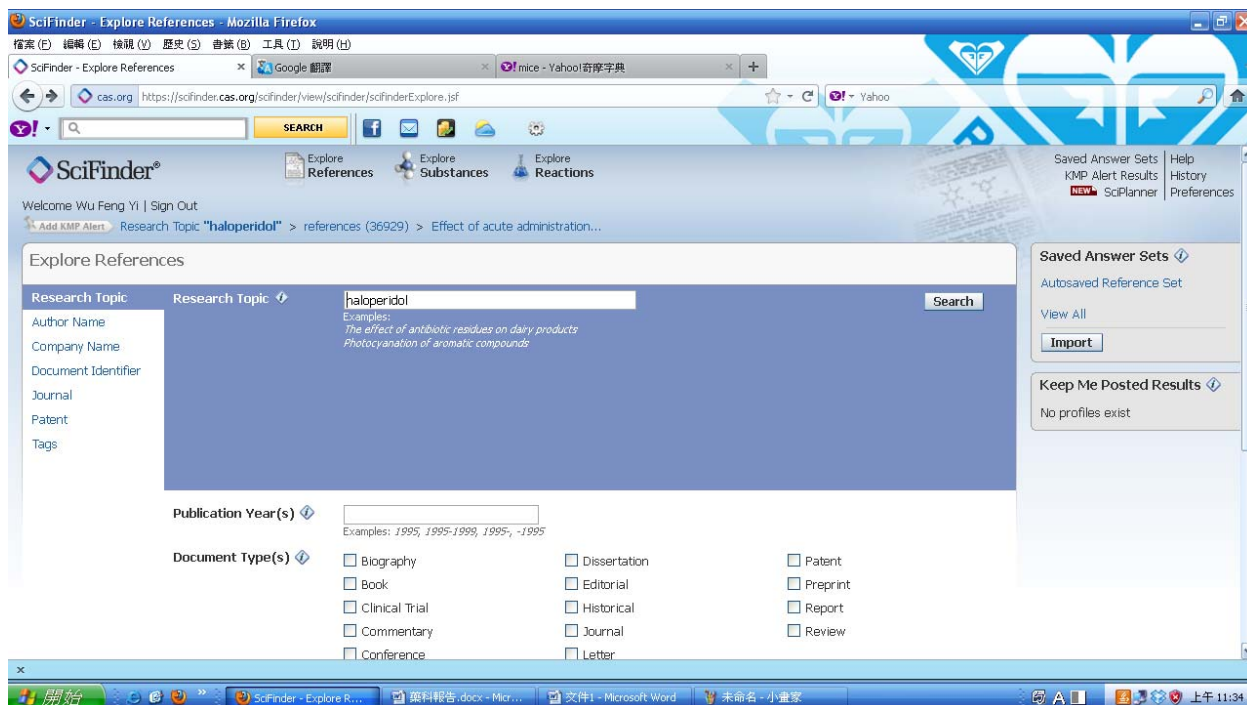
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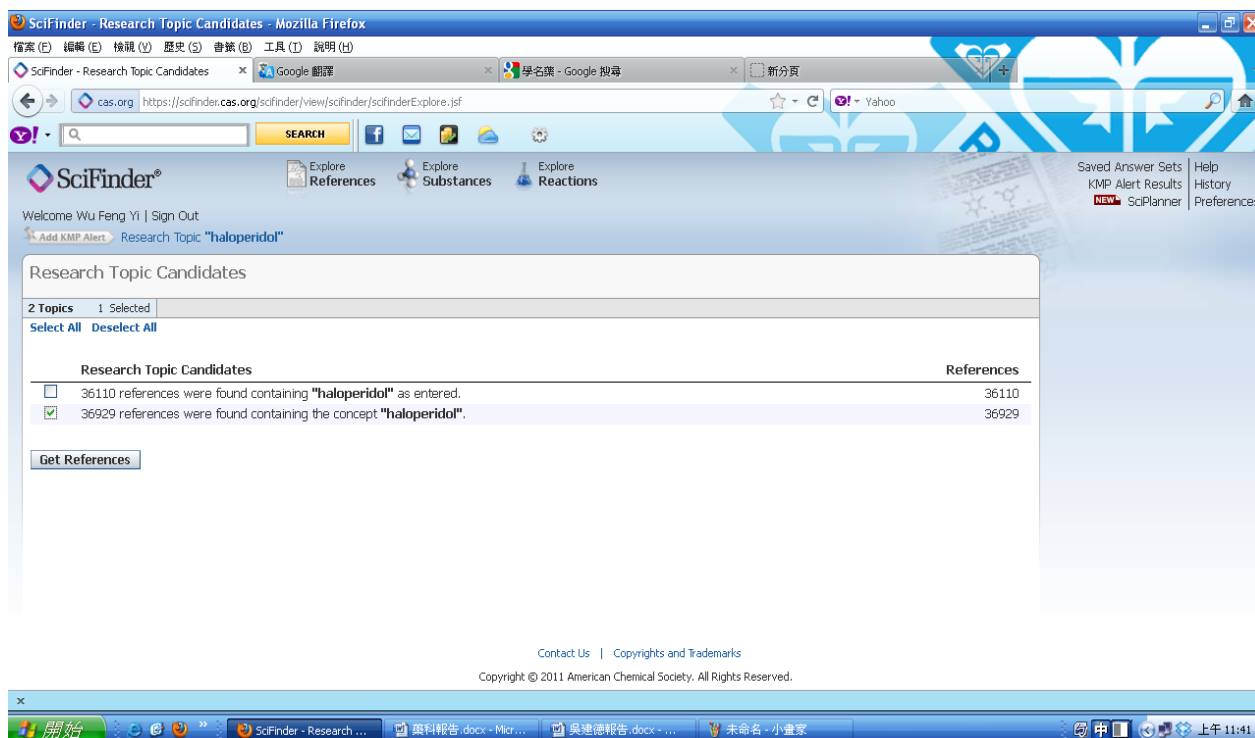
(一) 應用 Scifinder

1. 以藥名：haloperidol 搜索

Haloperidol 為抗精神病藥物，屬於 butyrophenones 類



2. 參考資料選擇



3. 選擇想要的 reference

ings from rats, and their quant. structure-activity relationships (QSAR) were examd. Based on the result of QSAR, N-4-tert-Bu benzyl **haloperidol** chloride (16c) was synthesized and showed the most potent vasodilatory activity of all designed compds. 16c dose-dependently inhib...

9. **Dopamine Release is Involved in Antinociceptive Effect of Theophylline**
By Kalyal, Jatinder; Gupta, Yogendra Kumar
From International Journal of Neuroscience (2012), 122(1), 17-21. Language: English, Database: CAPLUS
The methylxanthines, e.g., theophylline, are widely used for the treatment of bronchial asthma. Addnl., a pain relieving effect of theophylline has been reported in patients as well as in exptl. animals. The mechanism of this antinociceptive action is not clear. In this study, involvement of dopaminergic system in theophylline-induced antinociception was evaluated using tail flick test model. Swiss albino mice, (either sex, weighing 25-30 g) with base line tail flick latencies (TFL) between 2.0 and 3.5 s, were used. TFL was recorded before and at intervals of 15, 30, 45, and 60 min. after...

10. **Effect of acute administration of ursolic acid on haloperidol induced catalepsy in albino mice**
By Pemminati, Sudhakar; Gopalakrishna, H. N.; Varma, Ashok K.; Chakraborty, Maitrayee; Bheemesh, V.; Ratnakar, U. P.; Ullal, Sheethal D.; Shenoy, Ashok K.
From Journal of Pharmacy Research (2011), 4(8), 2608-2609. Language: English, Database: CAPLUS
Neuroleptic drugs used in the treatment of schizophrenia and other affective disorders are known to produce extrapyramidal side effects. Catalepsy induced by these drugs in animals has been used as a model for the extrapyramidal side effects assoc. with antipsychotic agents in human beings. In the present study, we have attempted to evaluate the protective effect of the ursolic acid (UA) on **haloperidol** (1.0 mg/kg, i.p. administration)-induced catalepsy in mice by employing the std. bar test. Mice were allocated to five groups, each group contg. six animals. The effects of the test drug UA...

11. **Neurotoxic/neuroprotective activity of haloperidol, risperidone and paliperidone in neuroblastoma cells**
By Gasso, Patricia; Mas, Sergi; Molina, Onofre; Bernardo, Miquel; Lafuente, Amalia; Parellada, Eduard
From Progress in Neuro-Psychopharmacology & Biological Psychiatry (2012), 36(1), 71-77. Language: English, Database: CAPLUS
The neurotoxicity of antipsychotic (AP) drugs seems to be linked with neurot. side effects like extrapyramidal symptoms (EPS). On the other hand, neuroprotective effects can mitigate or slow the progressive degenerative structural changes in the brain leading to improved outcome of schizophrenia. First and second-generation antipsychotics may differ in their neurotoxic and neuroprotective properties. The aim of this study was to compare the neurotoxic /neuroprotective activity of **haloperidol**, a first-generation antipsychotic, and risperidone, a second-generation one, with paliperidone, a rel...

12. **Effect of PDE10A inhibitors on MK-801-induced immobility in the forced swim test**
By Langen, Barbara; Dost, Rita; Egerland, Ute; Stange, Hans; Hoefgen, Norbert
From Psychopharmacology (Heidelberg, Germany), Ahead of Print. Language: English, Database: CAPLUS
Rational: Neo. symptoms of schizophrenia are insufficiently treated by current antipsychotics. However, research is limited by the lack of validated models.

4. haloperidol 藥效強於同為抗精神病藥 phenothiazines 類，但有較強的 EPS(錐體外作用)

此篇 reference 即為說明如何減少 haloperidol 的 EPS 作用：

在投與 halopeidol 前，先服用 ursolic acid (UA)藥物

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10. **Effect of acute administration of ursolic acid on haloperidol induced catalepsy in albino mice**

By: Pemminati, Sudhakar; Gopalakrishna, H. N.; Varma, Ashok K.; Chakraborty, Maitrayee; Bheemesh, V.; Ratnakar, U. P.; Ullal, Sheethal D.; Shenoy, Ashok K.

Neuroleptic drugs used in the treatment of schizophrenia and other affective disorders are known to produce extrapyramidal side effects. Catalepsy induced by these drugs in animals has been used as a model for the extrapyramidal side effects assoc. with antipsychotic agents in human beings. In the present study, we have attempted to evaluate the protective effect of the ursolic acid (UA) on **haloperidol** (1.0 mg/kg, i.p. administration)-induced catalepsy in mice by employing the std. bar test. Mice were allocated to five groups, each group contg. six animals. The effects of the test drug UA (at 0.05, 0.1 & 0.2 mg/kg doses) and the std. drug, scopolamine (1.0 mg/kg) was assessed after single dose administration, 30 min prior to the **haloperidol**. The results suggest that UA has a protective effect against **haloperidol**-induced catalepsy, which is comparable to the std. drug used for the same purpose. Our study indicates that UA could be used to prevent neuroleptic drug induced extrapyramidal side effects.

Indexing

Pharmacology (Section 1)

Citations

Sanberg, P.; Behav Neurosci 1988, 10, 748
Sanberg, P.; Nature 1989, 334, 472

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Source

Journal of Pharmacy Research
Volume 4
Issue 8
Pages 2608-2609
Journal; Online Computer File
2011
CODEN: JPROFW
ISSN: 0974-6943

Company/Organization

Department of Pharmacology,
Kasturba Medical College
Manipal University
Mangalore, India

Accession Number

2011:1589122
CAPLUS

●使用 scifinder 心得：一開始使用 scifinder 時，不太懂怎麼使用，熟悉後覺得真是個多功能又豐富資訊的平台。不僅可以透過發表專利年分來搜索，發表作者分類也一覽無遺。

還可以知道想查的藥的應用：合成、催化劑、當反應物或生成物…等。

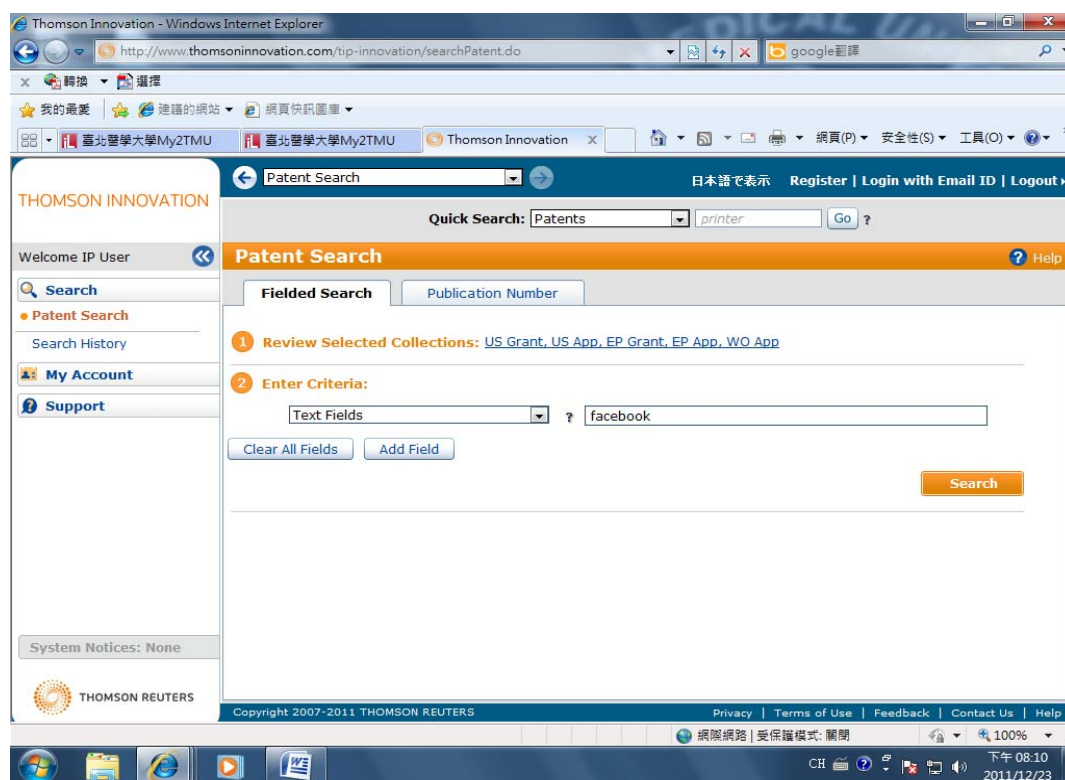
有了 scifinder，對於身為藥學生的我們，真的很有幫助，不只是學生時期求得專業，我想以後當藥師時，也能獲得最新藥的資訊。

(二)應用專利搜索平台 Thomson Innovation

1. 輸入關鍵字:facebook

Facebook 是時下最多人使用的媒體交易平台，MSN 等都被漸漸淘汰，多數人沉迷於此，並認為一天不使用 facebook 就無法和大家接軌。也有人買智慧型手機的動機是為了可以隨時隨地使用 facebook。

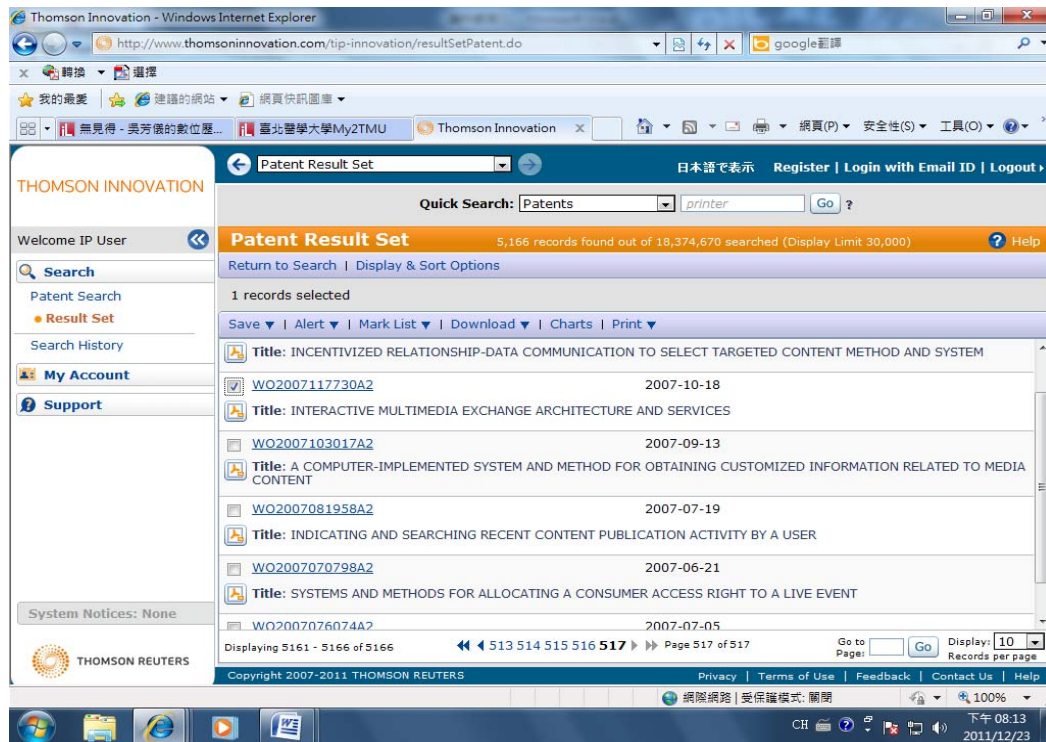
它的吸引人的地方究竟在哪??又是從什麼時候開始有專利的?讓我很好奇!!



2. 尋找自己想要主題

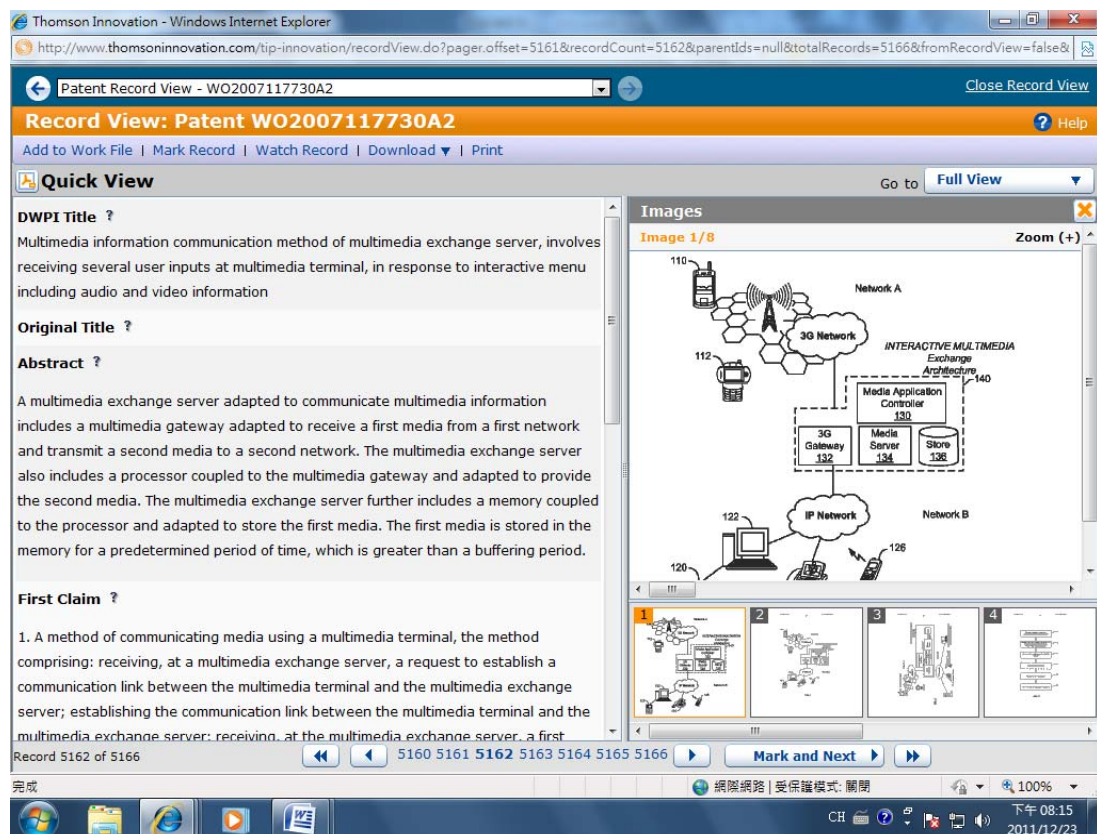
專利編號：W02007117730A2

根據結果，從 2007 年 7 月就有了第一個專利，但台灣人開始風行似乎是 2008-2009 年。



3. 內文：

說明 facebook 多媒體訊息的互換是如何進行



●使用 thomson innovation 心得：

雖然不知道自己以後會不會朝研究新藥的方向走，但使用專利平台，可以知道自己有興趣的事物申請專利的最起源，以及發明者的想法，對我來說是個增廣見聞的工具。而且這是個全世界資訊的交流平台，若自己以後發明了什麼東西甚至新藥，可以發佈在上面，真是有成就感！