

Domaines	Informations
Chimie	<p>Producteur : Royal Society of Chemistry</p> <p>Période couverte : La plupart de ces bases ont une couverture documentaire qui remonte à 2000 (1978 pour les Analytical Abstracts)</p> <p>Collections : La Royal Society of Chemistry publie environ une trentaine de revues électroniques. 7 bases de données en ligne sont également accessibles : Analytical Abstracts, Catalysts &amp; Catalysed Reactions, Chemical Hazards in Industry, Issues in Environmental Science &amp; Technology, Laboratory Hazards Bulletin, Methods in Organic Synthesis, Natural Products Updates.</p>

### Formulation des questions et outils de recherche

**Langue de travail** : l'anglais

**Règles d'écriture** : minuscule ou majuscule, indifféremment

**Troncatures** :

\* : troncature illimitée à droite remplace 0 ou n caractères

### Recherche (*find the articles you need*)

La recherche d'articles peut s'effectuer de deux façons: *Search RSC Journals* et *Article Finder*

En utilisant la recherche (*search RSC Journals*), il est possible :

- de limiter sa recherche à une sélection de titres,
- de sélectionner une période sur laquelle faire porter la recherche,
- de limiter la recherche aux archives
- de limiter la recherche aux *advanced articles* (articles à contenu ajouté)
- de rechercher parmi les champs titre, auteur ou éditeur, résumé ou recherche en plein texte.

## Search RSC Journals

Journal Group(s) Selection:

—Any—  
Analyst  
Analytical Communications  
Analytical Methods  
Selected Annual Reviews of the Analytical Society  
Annual Reports  
Journal of Analytical Atomic Spectrometry + Annual Reviews  
Chemical Communications

Select year(s)

1841 to: 2010 Restrict to archive  (1841 to 2004)

First Page

Any article OR only Advance articles

—Any—

Article Title

Author(s) or Editor(s)

Abstract

flavonoids cocoa memory

General (Full Text)

SEARCH

HELP

ChemSpider Compound Search

## Utiliser Article Finder

### Search RSC Journals

Advanced searching across the entire journals catalogue

#### Article Finder

Journal:

Year/Volume:

Issue:

Page:

Article No./DOI:

Article Finder permet de retrouver rapidement un article dont vous avez déjà les références (titre de la revue, année de publications, volume et tomason, pages) ou le numéro de DOI (Digital Object Identifier).

## Affichage des résultats

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Les résultats affichent le titre des références et indiquent le numéro de DOI de la référence.

### Search Results

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Documents 1 to 100 of 248

#### **The impact of flavonoids on memory: physiological and molecular considerations**

Jeremy P. E. Spencer, *Chem. Soc. Rev.*, 2009, (4),1152-1161

DOI: 10.1039/b800422f



#### **Micellar poly(styrene-*b*-4-vinylpyridine)-nanoparticle hybrid system for non-volatile organic transistor memory**

Wei Lin Leong, Nripan Mathews, Subodh Mhaisalkar, Yeng Ming Lam, Tupei Chen, Pooi See Lee, *J. Mater. Chem.*, 2009, (Advance Article)

DOI: 10.1039/b911493a



#### **Reversible dry micro-fibrillar adhesives with thermally controllable adhesion**

Seok Kim, Metin Sitti, Tao Xie, Xingcheng Xiao, *Soft Matter*, 2009, (Advance Article)

DOI: 10.1039/b909885b



#### **Faradaic currents during electroforming of resistively switching Ag–Ge–Se type electrochemical metallization memory cells**

Christina Schindler, Iliia Valov, Rainer Waser, *Phys. Chem. Chem. Phys.*, 2009, (28),5974-5979

DOI: 10.1039/b901026b



#### **Resistance switching memory devices constructed on plastic with solution-processed titanium oxide**

Junggwon Yun, Kyoungah Cho, Byoungjun Park, Bae Ho Park, Sangsig Kim, *J. Mater. Chem.*, 2009, (14),2082-2085

DOI: 10.1039/b817062b



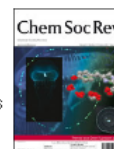
## Exemple de référence :

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La notice d'une référence comprend :

- un accès au .pdf, au .html,
- un résumé (*Critical review*) ,
- le DOI (Digital Object Identifier),
- l'image ou la modélisation la plus emblématique de l'article.

Il est également possible de trouver les articles citant cette référence présents sur la plateforme RSC (« search for citing articles »).



Access to this content has been provided by your institution

- PDF
- HTML article
- Search for citing articles

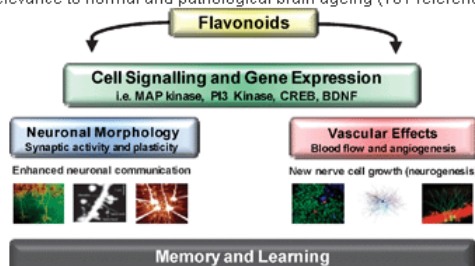
## Critical Review

*Chem. Soc. Rev.*, 2009, **38**, 1152 - 1161, DOI: 10.1039/b800422f

## The impact of flavonoids on memory: physiological and molecular considerations

Jeremy P. E. Spencer

Emerging evidence suggests that a group of dietary-derived phytochemicals known as flavonoids are able to induce improvements in memory acquisition, consolidation, storage and retrieval. These low molecular weight polyphenols are widespread in the human diet, are absorbed to only a limited degree and localise in the brain at low concentration. However, they have been found to be highly effective in reversing age-related declines in memory *via* their ability to interact with the cellular and molecular architecture of the brain responsible for memory. These interactions include an ability to activate signalling pathways, critical in controlling synaptic plasticity, and a potential to induce vascular effects capable of causing new nerve cell growth in the hippocampus. Their ability to activate the extracellular signal-regulated kinase (ERK1/2) and the protein kinase B (PKB/Akt) signalling pathways, leading to the activation of the cAMP response element-binding protein (CREB), a transcription factor responsible for increasing the expression of a number of neurotrophins important in defining memory, will be discussed. How these effects lead to improvements in memory through induction of synapse growth and connectivity, increases in dendritic spine density and the functional integration of old and new neurons will be illustrated. The overall goal of this *critical review* is to emphasize future areas of investigation as well as to highlight these dietary agents as promising candidates for the design of memory-enhancing drugs with relevance to normal and pathological brain ageing (161 references).



Exemple de notice bibliographique d'un article.

## Accès au texte intégral.

Via la page des résultats de recherche ou sur la page de la référence, au format .pdf ou .html.

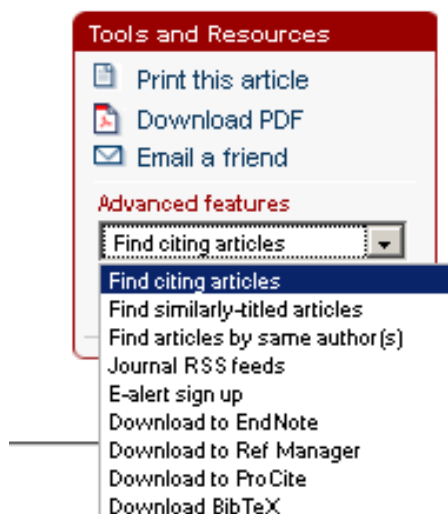
## Exports, envois des références

L'exploitation des résultats se fait depuis l'affichage des résultats, en utilisant le menu présent sur le coté de page.

### Tools

- Email this to a friend
- Email your librarian
- Add to del.icio.us
- Digg this story
- Share on Facebook
- Seed Newsvine
- Reddit this
- Twitter this

Lorsque l'on visualise le texte intégral d'un document, les fonctions d'export sont présentés dans une boîte de dialogue :



## Fonctions de veille

Il est possible depuis le menu de la partie gauche de la page, de demander une veille automatique sur les tables de matière des revues (*ealerts service*). Il est aussi possible de faire une veille par fil RSS

## Recherche par structure

Cette fonction permet d'effectuer une recherche directement en utilisant le logiciel de modélisation de structure ou de substructure :

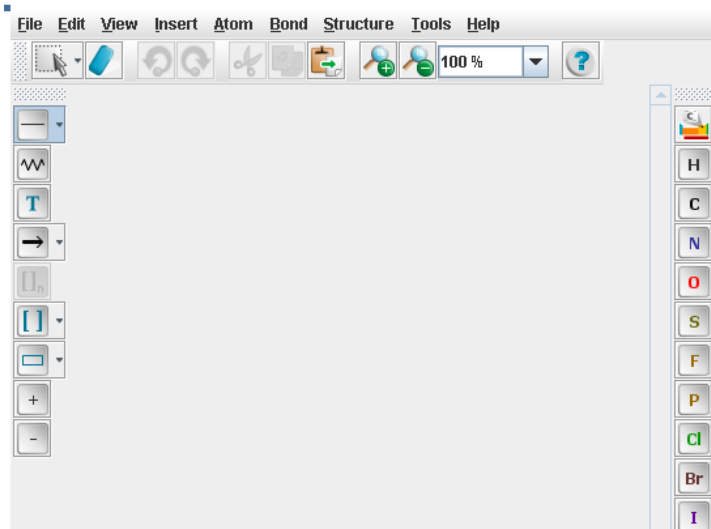
**Accessible sub-structure search**

Enter a SMILES string and press the "SMILES Search" button in order to search for articles containing this structure or part of this structure.

SMILES string:

**Graphical structure search**

Draw the structure of your choice in the box below and click on "Graphical Search" to find articles containing this structure.



# Recherche par composés chimiques via ChemSpider

Depuis la page de recherche, il est également possible de rechercher dans la base libre d'accès ChemSpider par structures chimiques, en entrant le nom de composés.

## ChemSpider Compound Search

ChemSpider is a free access service providing access to millions of chemical structures and integration to a multitude of other online services. Search for compounds here by name (e.g. cholesterol)

Link based search: [cholesterol](#)



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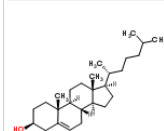
1 hit(s) found in 0.01 seconds  
Search term: cholesterol  
Found by synonym

Please [login](#) to be able to add spectra, identifiers, links and publications.

Add: Description Identifier CIF Spectrum Image Comments

### INHERENT PROPERTIES, IDENTIFIERS AND REFERENCES

2D 3D



**ChemSpider ID:** 5775  
**Empirical Formula:**  $C_{27}H_{46}O$   
**Molecular Weight:** 386.6535  
**Nominal Mass:** 386 Da  
**Average Mass:** 386.6535 Da  
**Monoisotopic Mass:** 386.354866 Da

**Quick Links:** [Permalink](#) [Similar](#) [Isomers](#) [Wikibox](#)

**Systematic Name:** (3S,8S,9S,10R,13R,14S,17R)-17-[(1R)-1,5-dimethylhexyl]-10,13-dimethyl-2,3,4,7,8,9,11,12,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3-ol

**SMILES:** O[C@@H]4C/C3=C/C[C@@H]1[C@@H](C[C@@H]2[C@@H]1CC[C@@H]2[C@@H](C)CCCC(C)C)[C@]3(C)CC4

**InChI:** InChI=1/C27H46O/c1-18(2)7-6-8-19(3)23-11-12-24-22-10-9-20-17-21(28)13-15-26(20,4)25(22)14-16-27(23,24)5/h9,18-19,21-25,28H,6-8,10-17H2,1-5H3/t19-,21+22+23-,24+25+26+27-/m1/s1

**InChIKey:** HVYYWOMLDMFJA-DPAQBDIFBB

**Std. InChI:** InChI=1S/C27H46O/c1-18(2)7-6-8-19(3)23-11-12-24-22-10-9-20-17-21(28)13-15-26(20,4)25(22)14-16-27(23,24)5/h9,18-19,21-25,28H,6-8,10-17H2,1-5H3/t19-,21+22+23-,24+25+26+27-/m1/s1

**Std. InChIKey:** HVYYWOMLDMFJA-DPAQBDIFSA-N

### WIKIPEDIA ARTICLE(S)

[LICENSE](#)

Cholesterol is a **lipidic**, waxy **steroid** found in the **cell membranes** and transported in the **blood plasma** of all **animals**. It is an essential component of mammalian cell membranes where it is required to establish proper **membrane permeability** and **fluidity**. In addition, cholesterol is an important precursor molecule for the **biosynthesis** of **bile acids**, **steroid hormones**, and several fat soluble vitamins. Cholesterol is the principal **sterol** synthesized by animals, but small quantities are synthesized in other **eukaryotes**, such as **plants** and **fungi**. It is almost completely absent among **prokaryotes**, which include bacteria. The name cholesterol originates from the **Greek** *chole-* (**bile**) and *stereos* (**solid**), and the **chemical suffix** *-ol* for an alcohol, as François Poulletier de la Salle first identified cholesterol in solid form in **gallstones**, in 1769. However, it was only in 1815 that chemist **Eugène Chevreul** named the compound "cholesterine". [Read more...](#) or [Edit at Wikipedia...](#)

### ASSOCIATED DATA SOURCES AND COMMERCIAL SUPPLIERS

[FILTER](#)

### PATENTS

Exemple d'affichage dans ChemSpider pour « cholesterol ».