美國化學學會
American Chemistry Society

ACS
Chemistry for Life™

大綱

學會及其出版物介紹

資料庫平台的使用

美國化學學會 (American Chemical Society) 簡稱ACS，成立於1876年，擁有超過16萬全球會員，是世界上最大的科技學會之一，其威權性和影響力受到全球化學界人士認可和推崇。

iGroup 獨家代理 ACS出版的期刊、電子書，及旗下美國化學文摘社 (CAS) 資料庫。

ACS: Chemistry for Life ; More than Chemistry

- 會員
  - Fellow：96
    傑出教授、科學家
  - General：16000+
    化學從業者、教師、學生、機構
- ACS
  出版物
  - 47 種期刊
    - 主编、编委、評審
  - 1400+本電子書
  - 4 Ways of Open Access
- CAS

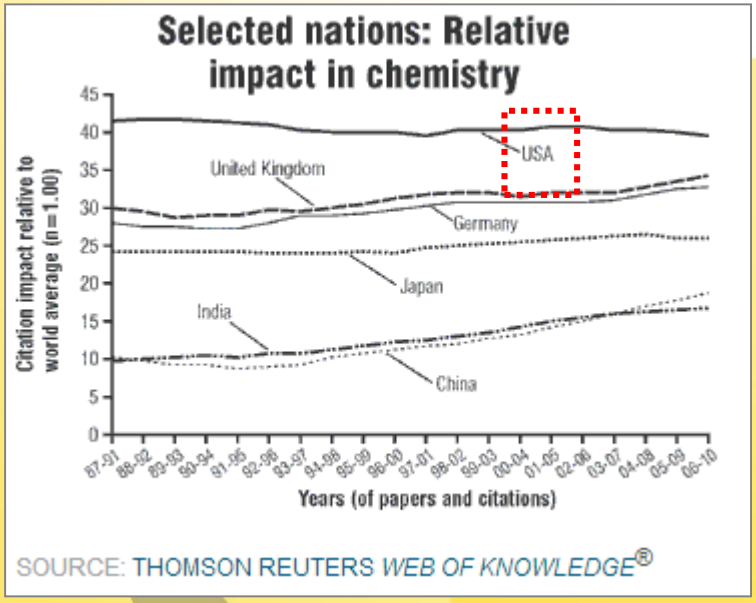
ACS 期刊概述

2012 年最高 IF - 41.3

CHEMICAL REVIEWS

2011 年當年最高引用量 - 31,375

JACS
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY



2012 年 IF 平均漲幅 ↑2.1%

	期刊數量 2013	被SCI 收錄	有影響指數	Q1 期刊	影響指數 > 5
數量	41	40	38	34	18

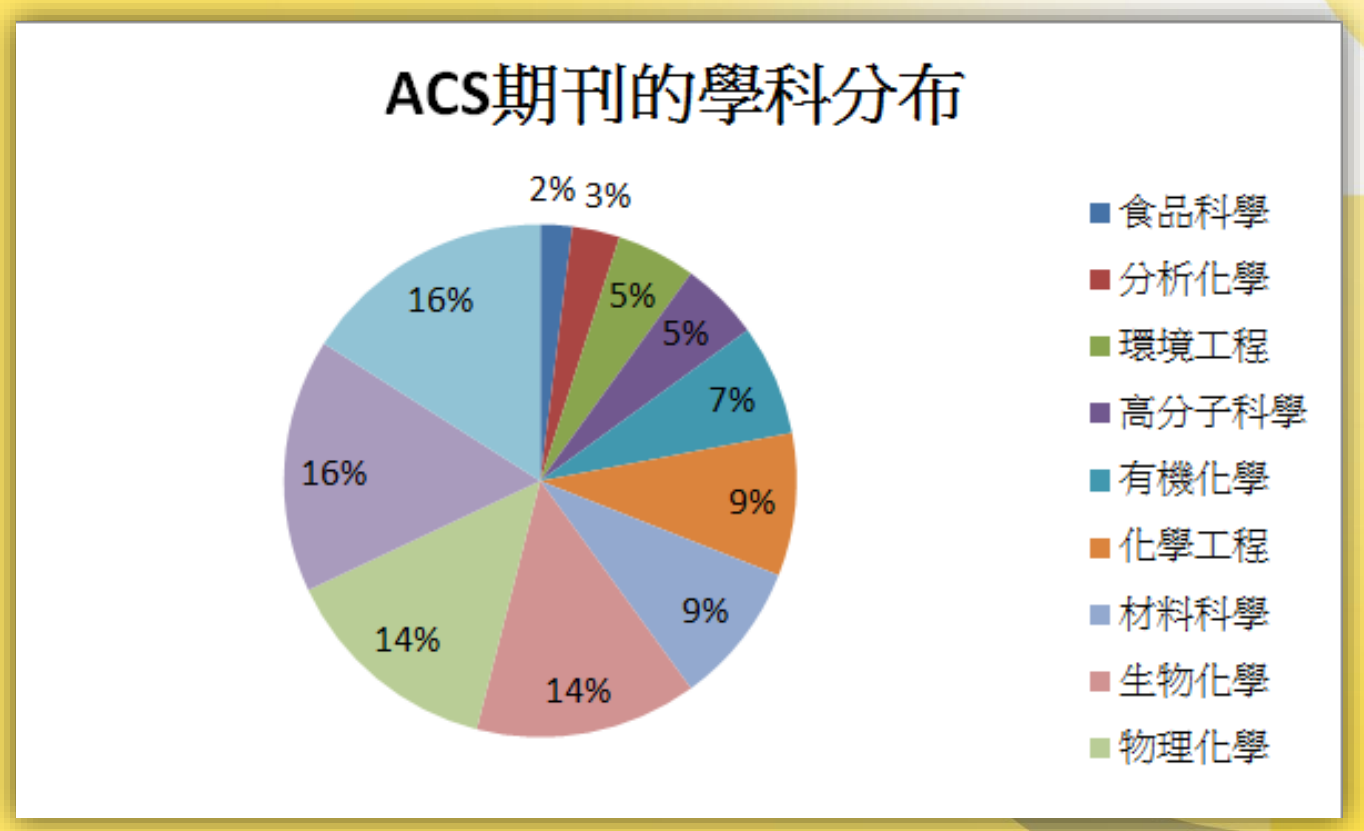
ACS 期刊概述

期刊名稱	期刊地位
Chemical Reviews	跨學科化學類期刊影響指數第1名
Journal of Agricultural and Food Chemistry	跨學科農業學類期刊影響指數第1名
Industrial & Engineering Chemistry Research	化工類期刊引用量第1名
Journal of Medicinal Chemistry	醫藥化學類期刊影響指數第3名
Environmental Science and Technology	環境工程類期刊影響指數第2名
Macromolecules	高分子科學類期刊影響指數第3名
Langmuir	跨學科材料學類期刊引用量第1名
The Journal of Physical Chemistry Letters	原分子和化學類期刊影響指數子第1名

ACS 多本期刊被(JCR) 評為 “化學領域最具影響力的期刊”

pubs.acs.org

ACS 期刊概述

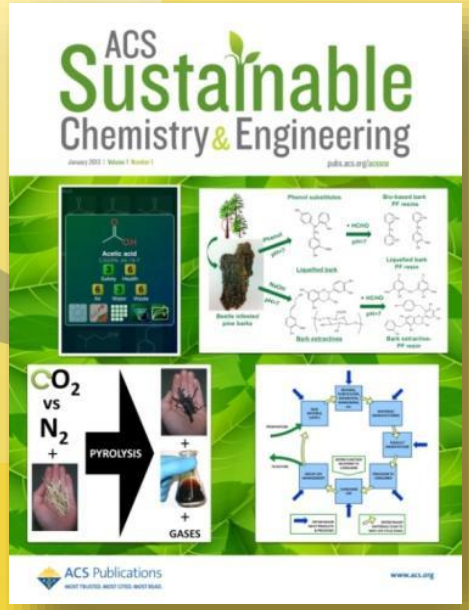


ACS的有機化學、醫藥化學、材料科學、物理化學和跨學科化學類期刊的被引用量佔學科總引用量的30%

2013 年新刊

ACS Sustainable Chemistry & Engineering

- 2013 年正式出版
- 領域涵蓋綠色化工、新能源、廢物處理、生物材料等，為研究者和企業的生產和工程規劃指出高效合理的解決之道，以應對各類環保議題
- http://pubs.acs.org/journal/ascecg



2014 年新刊

Environmental Science & Technology Letters，簡稱ES&T Letters，僅出版電子刊

- 由賓夕法尼亞州立大學土木與環境工程系主任 Bruce Logan 擔任主編
- 以快報形式，為全球跨學科化學的研究者提供了一個發布新穎和重要成果的便捷途徑，以求推展整個環境科學領域的發展進程

互補刊

《 Environmental Science & Technology 》

《ACS Sustainable Chemistry & Engineering 》

2014 年新刊

ACS Photonics

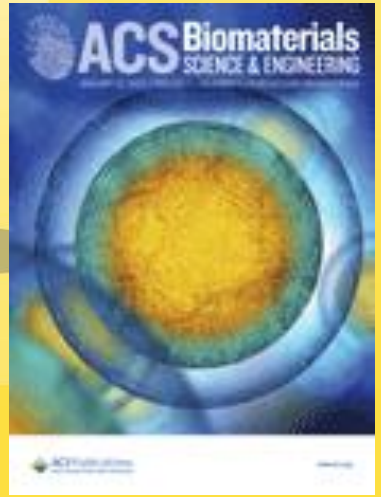
- 主要研究光學現象與物質性能的相互作用
- 主編Harry A. Atwater為加州理工大學應用物理學教授，在太陽能電池方面有深入的研究，2012 年獲得了國際光學工程學會的綠色光學獎 (SPIE Green Photonics Award)
- 研究對象包括高分子光電材料、等離子體超級材料、光學晶體、光學交換和光學儲存、量子光學作用..
- http://pubs.acs.org/journal/apchd5

互補刊
《The Journal of Physical Chemistry A》
《The Journal of Physical Chemistry Letters》

2015 新刊

ACS Biomaterials Science and Engineering

- 鑒於生物醫學與生物技術產業的快速成長而出版
- 主編由Tufts University生醫工程系教授 David Kaplan擔任
- 希望透過化學家、生物學家、物理學家、材料科學家和工程師的各種背景和見解，採用跨學科的方法了解生物材料的設計和工程。
- http://pubs.acs.org/journal/abseba



2015 新刊

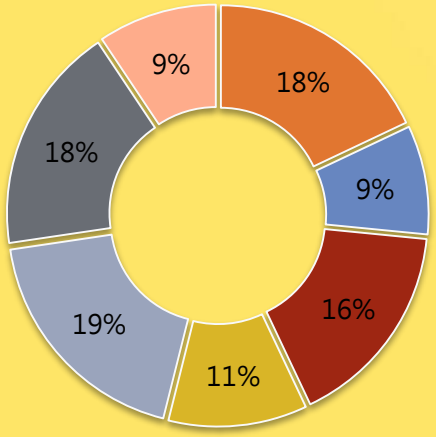
ACS Infectious Diseases

- 主編由明尼蘇達大學的藥學院副教授 Courtney C. Aldrich擔任
- 主要內容包含:發現新的抗菌藥物與發展、表徵和藥物靶標或途徑驗證、耐藥機制研究、作用機制、宿主 - 病原體相互作用、用於傳染病毒的小分子疫苗佐劑、細菌生物化學與分子生物學。
- http://pubs.acs.org/journal/aidcbc

ACS 電子書概述

- 包括Symposium系列和Advance in Chemistry系列，從1949年至今，共1400多本；現每年更新30-35本。
- 內容涵蓋半個多世紀的化學發展歷程、教學資料和研究成果。
- 農業和食品科學、生物化學、高分子化學、新型材料、環境科學與工程等領域的精華。

ACS Symposium Series 電子書（2010~2013）學科比例



18% 生物化學/醫藥化學

9% 環境工程

16% 能源與燃料/化工

11%高分子化學

19% 農業學/ 食品科學

18% 化學教育/化學歷史

9% 材料科學

ACS 電子書內容出處

ACS主辦：下屬技術部門	聯合主辦或外部主辦：其他威權學協會
化學歷史部門	美國物理協會
生物技術部門	美國化學工程師學會
環境科學部門	美國環保署
化學健康與安全部門	美國國家安全委員會
化學教育部門	美國塑膠工程師學會
化工研究部門	美國核學會
食品科學部門	美國食品科學學會
大分子秘書處	國際純粹與應用化學聯合會
ACS各地分會	大型化學企業
…	…

ACS 資料庫平台

更好的瀏覽模式

更強的搜索功能

更個性化的服務

請使用兼容W3C Web標準的瀏覽器，如：Google Chrome, Apple Safari, Firefox, Opera或最新版本的IE。

ACS 資料庫平台

2012 年當年下載全文的次數

80,000,000

2012 年下載次數漲幅

6% up

2012年當年檢視文章摘要的次數

125,000

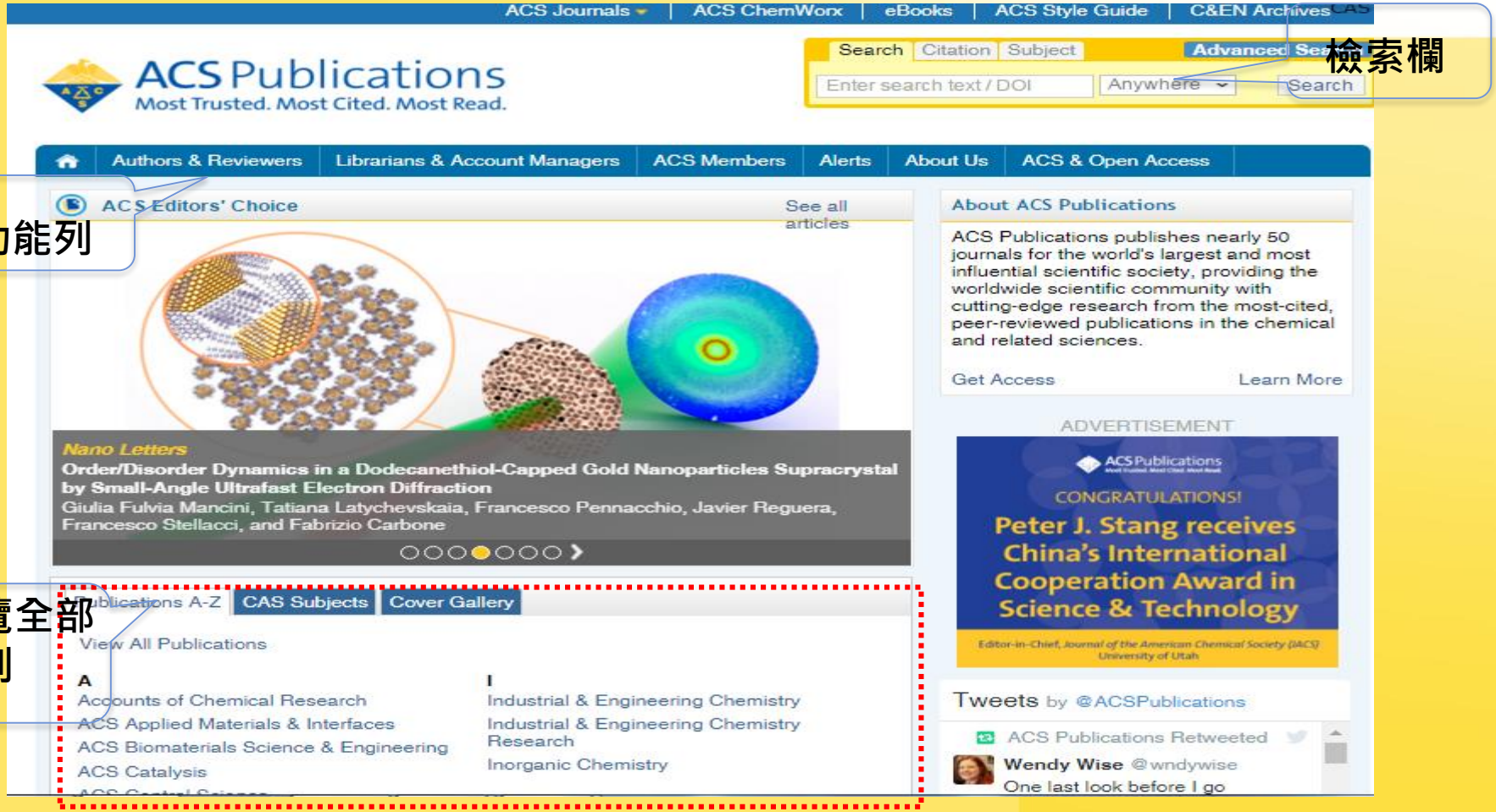
每年新增投稿數量

10,000

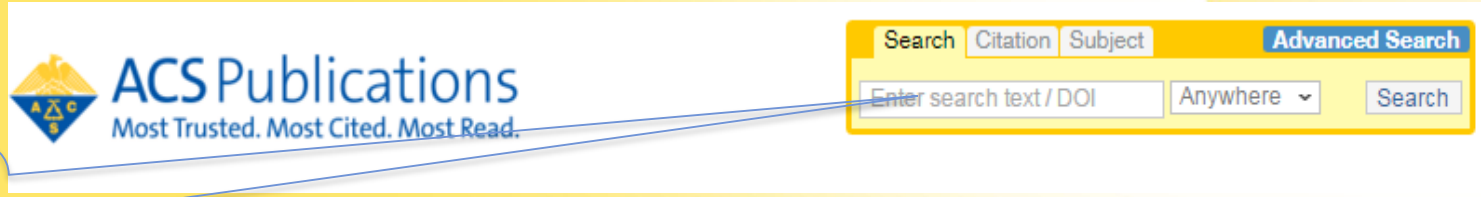
2012年當年平台造訪人次

20,000,000

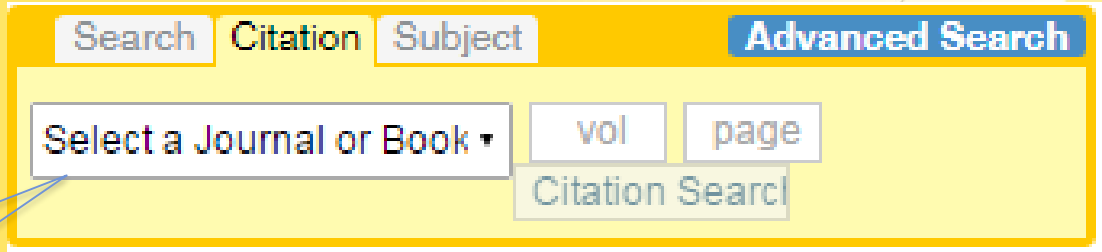
ACS 資料庫平台


ACS Journals
ACS ChemWorx
eBooks
ACS Style Guide
C&EN Archives
ACS Publications
Most Trusted. Most Cited. Most Read.
Search
Citation
Subject
Advanced Search
Enter search text / DOI
Anywhere
Search
檢索欄
Authors & Reviewers
Librarians & Account Managers
ACS Members
Alerts
About Us
ACS & Open Access
各種功能列
ACS Editors' Choice
See all articles
Nano Letters
Order/Disorder Dynamics in a Dodecanethiol-Capped Gold Nanoparticles Supracrystal by Small-Angle Ultrafast Electron Diffraction
Giulia Fulvia Mancini, Tatiana Latychevskaia, Francesco Pennacchio, Javier Reguera, Francesco Stellacci, and Fabrizio Carbone
About ACS Publications
ACS Publications publishes nearly 50 journals for the world's largest and most influential scientific society, providing the worldwide scientific community with cutting-edge research from the most-cited, peer-reviewed publications in the chemical and related sciences.
Get Access
Learn More
ADVERTISEMENT
ACS Publications
CONGRATULATIONS!
Peter J. Stang receives China's International Cooperation Award in Science & Technology
Editor-in-Chief, Journal of the American Chemical Society (JACS)
University of Utah
瀏覽全部期刊
Publications A-Z
CAS Subjects
Cover Gallery
View All Publications
A
Accounts of Chemical Research
ACS Applied Materials & Interfaces
ACS Biomaterials Science & Engineering
ACS Catalysis
I
Industrial & Engineering Chemistry
Industrial & Engineering Chemistry Research
Inorganic Chemistry
Tweets by @ACSPublications
ACS Publications Retweeted
Wendy Wise @wndywise
One last look before I go

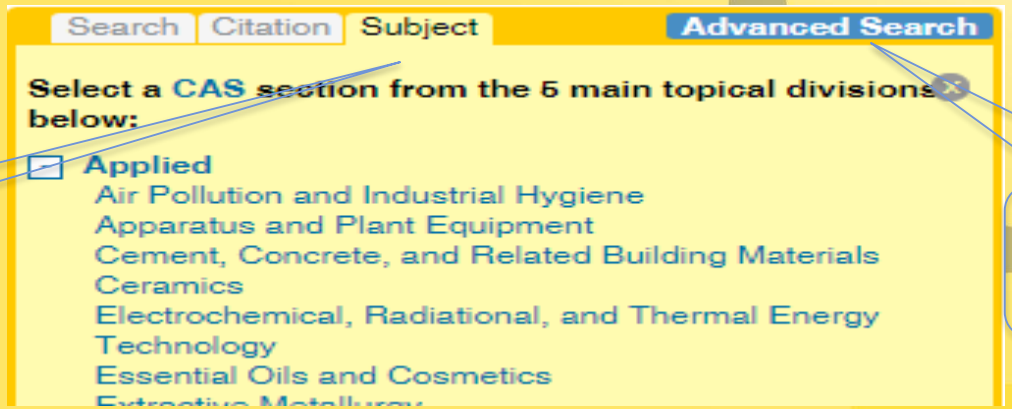
檢索方式



Search: 輸入關鍵字並選擇檢索範圍

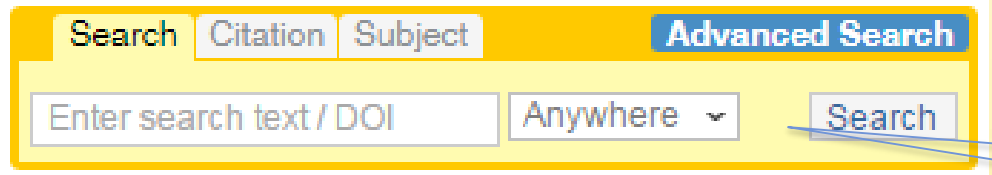


Citation: 查找特定期刊、年卷和頁碼

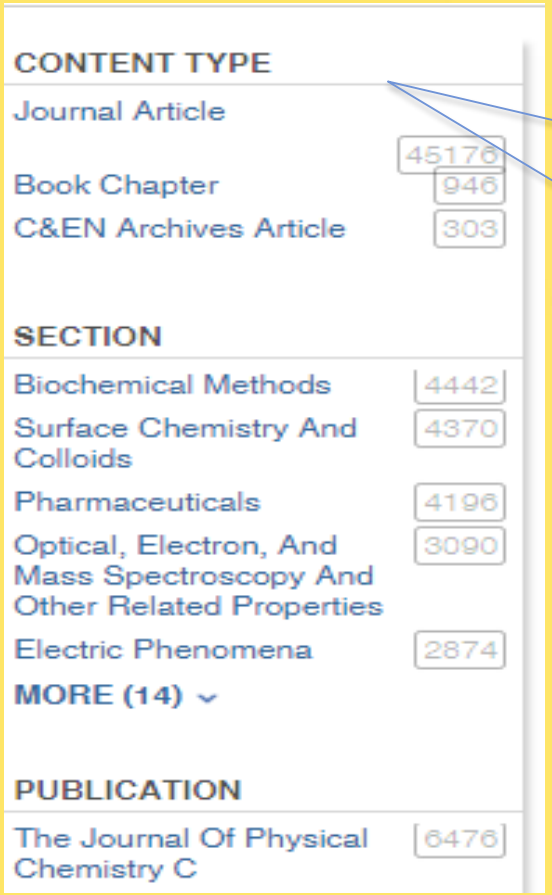


Subject Search: 查選特定主題

Advanced Search: 進階檢索



輸入關鍵字檢索



Search Filters: 檢索結果篩選

Content Type>>從檢索結果選擇ACS電子書、C&EN過刊或期刊的文章

Section>>選擇所屬學科

Publication>>選擇所屬期刊

Manuscript Type>>選擇文章體裁

Author>>選擇作者

Date Range>>選擇某個時段的文章

Sort By: 可按相關程度、文章發表時間

主題學科檢索

推薦

從五大類80小類中選擇主題學科：

應用化學

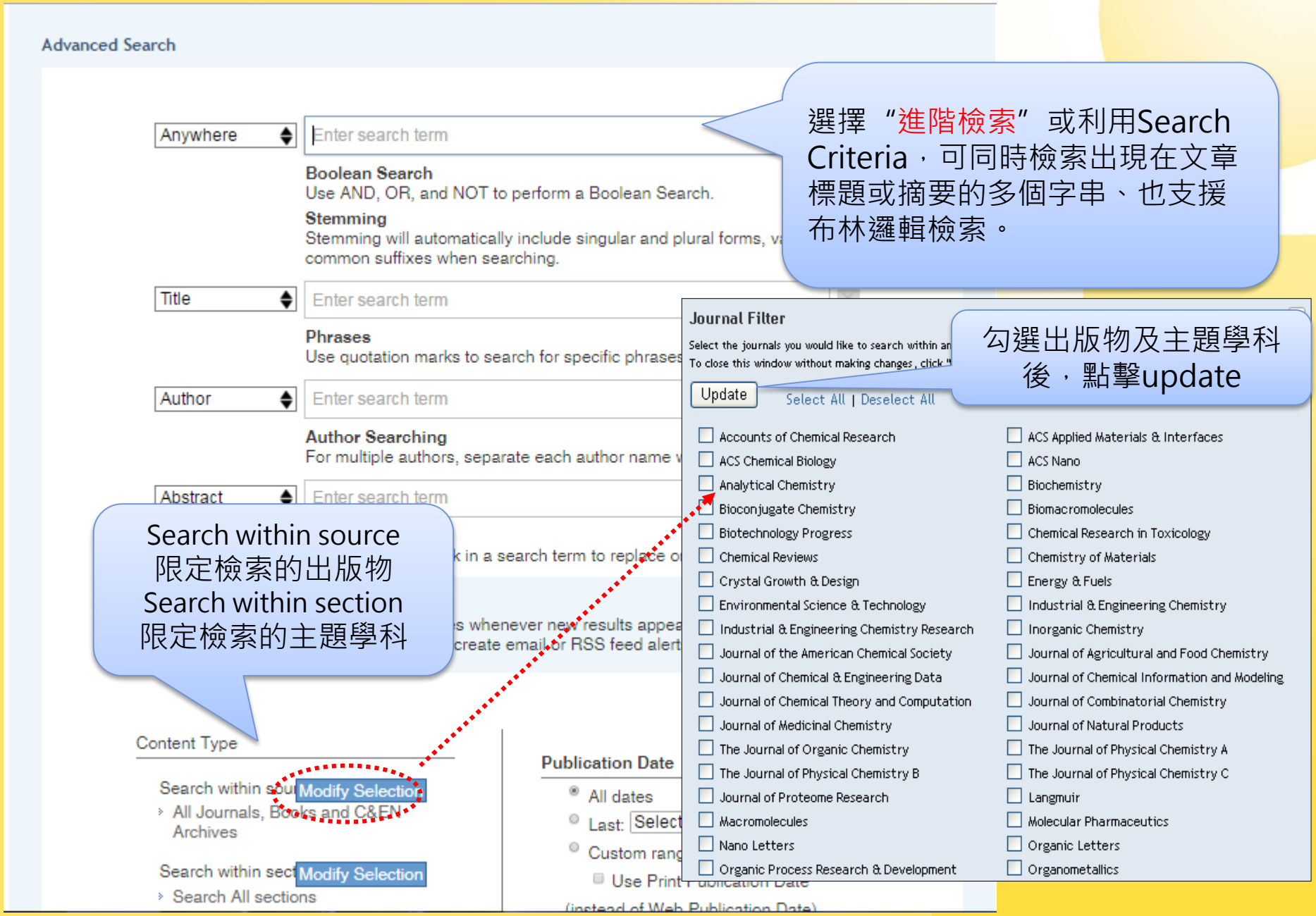
生物化學

大分子

有機化学

物理+無機+分析化學

iGroup 進階檢索


Advanced Search
Anywhere
Enter search term
Boolean Search
Use AND, OR, and NOT to perform a Boolean Search.
Stemming
Stemming will automatically include singular and plural forms,
common suffixes when searching.
Title
Enter search term
Phrases
Use quotation marks to search for specific phrases
Author
Enter search term
Author Searching
For multiple authors, separate each author name
Abstract
Enter search term
選擇“進階檢索”或利用Search Criteria，可同時檢索出現在文章標題或摘要的多個字串、也支援布林邏輯檢索。
Journal Filter
Select the journals you would like to search within
To close this window without making changes, click
Update
Select All | Deselect All
勾選出版物及主題學科後，點擊update
Accounts of Chemical Research
ACS Chemical Biology
Analytical Chemistry
Bioconjugate Chemistry
Biotechnology Progress
Chemical Reviews
Crystal Growth & Design
Environmental Science & Technology
Industrial & Engineering Chemistry Research
Journal of the American Chemical Society
Journal of Chemical & Engineering Data
Journal of Chemical Theory and Computation
Journal of Medicinal Chemistry
The Journal of Organic Chemistry
The Journal of Physical Chemistry B
Journal of Proteome Research
Macromolecules
Nano Letters
Organic Process Research & Development
ACS Applied Materials & Interfaces
ACS Nano
Biochemistry
Biomacromolecules
Chemical Research in Toxicology
Chemistry of Materials
Energy & Fuels
Industrial & Engineering Chemistry
Inorganic Chemistry
Journal of Agricultural and Food Chemistry
Journal of Chemical Information and Modeling
Journal of Combinatorial Chemistry
Journal of Natural Products
The Journal of Physical Chemistry A
The Journal of Physical Chemistry C
Langmuir
Molecular Pharmaceutics
Organic Letters
Organometallics
Search within source
限定檢索的出版物
Search within section
限定檢索的主題學科
Content Type
Search within
Modify Selection
All Journals, Books and C&EN Archives
Search within
Modify Selection
Search All sections
Publication Date
All dates
Last:
Custom

iGroup 期刊主页


ACS Publications
Most Trusted. Most Cited. Most Read.
ACS Journals | ACS ChemWorx | eBooks | ACS Style Guide | C&EN Archives
CAS
JACS
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
Search Citation Subject Advanced Search
Enter search text / DOI
Anywhere
Search
J. Am. Chem. Soc.
All Publications/Website
Browse the Journal
Articles ASAP
Current Issue
Submission & Review
Open Access
About the Journal
Just Accepted>> 已經過同儕評鑑, 等待交付技術編排的最新文章
Articles ASAP>> 已經過技術編排, 也即將出版在纸本期刊的電子全文
Current Issue>>最新一期目次
Most Read>>被閱讀最多的文章
期刊最新IF、被引用量和上一年發表文章的數量
View Articles ASAP
Total Citations
480,701
Impact Factor
12.113
Articles Published
2,051
2014 Journal Citation Reports® by Thomson Reuters, 2015
ADVERTISEMENT
Articles ASAP
Just Accepted
Current Issue
Most Read
Articles ASAP (As Soon As Publishable)
ASAP articles are edited and published online ahead of issue. See all ASAP articles.
c&en | WEBINARS

被閱次數最多 推薦


Most Read Articles
Now showing 1-5
View All
Most Read articles are updated on a monthly basis and available as 1 month and 12 month lists. Below is a Top 5 excerpt from the 1 month list.
View Abstracts
Add to ACS ChemWorx
Download Citations
Be Critical but Fair
Wolfgang J. Parak, Warren C. W. Chan, Jason H. Hafner, Paula T. Hammond, Mark C. Hersam, Ali Javey, Ali Khademhosseini, Nicholas A. Kotov, Paul Mulvaney, Andre E. Nel, Peter J. Nordlander, Reginald M. Penner, Andrey L. Rogach, Raymond E. Schaak, Molly M. Stevens, Andrew T. S. Wee, C. Grant Willson, Paul S. Weiss
2013, 7 (10), pp 8313-8316
Publication Date (Web): October 22, 2013 (Editorial)
DOI: 10.1021/nn405306e
First Page
ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
PDF [1922K]
PDF w/ Links [241K]
Full Text HTML
Add to ACS ChemWorx
Browse the Journal
Articles ASAP
Current Issue
List of Issues
Current Issue
Just Accepted Manuscripts
Most Read Articles
Sample Issue
Author Index
Cover Art Gallery
Virtual Issues
MOST TRUSTED. MOST CITED. MOST READ.
Choose a timeframe:
1 Month
12 months
For Selected:
Just Accepted
Articles ASAP
Current Issue
Most Read
Articles ASAP (As Soon As Publishable)
ASAP articles are edited and published online ahead of print.
For Selected Content:
VIEW ABSTRACTS
DOWNLOAD CITATIONS
Sponsored Access
選擇一個月內或一年內
被閱次數最多的文章

摘要頁和HTML全文

Communication

‹ Previous Article | Next Article › | Table of Contents

Practical Ni-Catalyzed Aryl–Alkyl Cross-Coupling of Secondary Redox-Active Esters

Josep Cornella†, Jacob T. Edwards†, Tian Qin†, Shuhei Kawamura†, Jie Wang†, Chung-Mao Pan†, Ryan Gianatassio†, Michael Schmidt‡, Martin D. Eastgate‡, and Phil S. Baran*†

† Department of Chemistry, The Scripps Research Institute, 10550 North Torrey Pines Road, La Jolla, California 92037, United States

‡ Chemical Development, Bristol-Myers Squibb, One Squibb Drive, New Brunswick, New Jersey 08903, United States

J. Am. Chem. Soc., **2016**, *138* (7), pp 2174–2177
DOI: 10.1021/jacs.6b00250
Publication Date (Web): February 02, 2016

*pbaran@scripps.edu

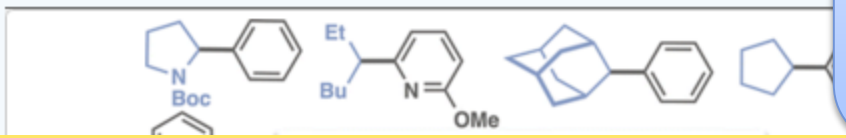
Article Options

ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView

Abstract
Supporting Info
Figures
References

PDF (1311 KB)

Abstract



Supporting Info>>跳轉至線上補充訊息的頁面

Figure>>彈出圖表視窗

Refercence QuickView>>彈出視窗瀏覽所有參考文獻訊息

iGroup 查看Reference来源

Article

Cooperative Binding of PhoB^{DBD} to Its Cognate DNA Sequence—A Combined Application of Single-Molecule and Ensemble Methods

Markus Ritzefeld †, Volker Walhorn ‡, Christin Kleineberg ‡, Adeline Bieker ‡, Klaus Kock §, Christian Herrmann §, Dario Anselmetti ‡, and Norbert Sewald *†

†Organic and Bioorganic Chemistry and ‡Experimental Biophysics, Bielefeld University, Universitaetsstrasse 25, 33615 Bielefeld, Germany

§ Physical Chemistry I, Ruhr University Bochum, Universitaetsstrasse 150, 44801 Bochum, Germany

Biochemistry, 2013, 52 (46), pp 8177-8186
DOI: 10.1021/bi400718r
Publication Date (Web): October 22, 2013

*Tel.: +49 521 106 2051, E-mail: Norbert.Sewald@uni-bielefeld

ACS ActiveView PDF
Hi-Res Print, Annotate, Reference
PDF [2144 KB]
PDF w/ Links[453
Full Text HTML
Abstract
Supporting Info ->
Figures
Reference QuickView
Add to ACS ChemWorx

Author Contributions

The manuscript was written through contributions of all the final version of the manuscript.

Funding Statement

This work was supported by the German Research Found National Academic Foundation (Studienstiftung des Deu Ritzefeld).

Conflict of Interest Statement

The authors declare no competing financial interest.

ACS Section: General Biochemistry

SciFinder® Reference QuickView

Close

Print Selected Reference | View Full Text Options

« Previous | Next »

1. The rise of fragment-based drug discovery
Murray, Christopher W.; Rees, David C.
Nature Chemistry (2009), 1 (3), 187-192 CODEN: NCAHBB; ISSN:1755-4330. (Nature Publishing Group)

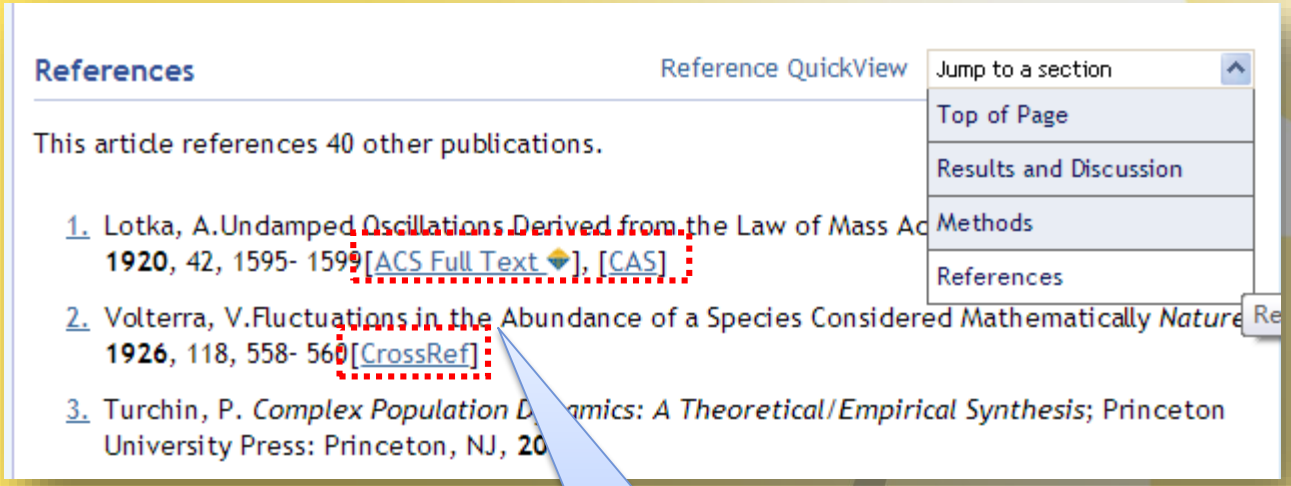
A review. The search for new drugs is plagued by high attrition rates at all stages in research and development. Chemists have an opportunity kle this problem because attrition can be traced back, in part, to the quality of the chem. leads. Fragment-based drug discovery (FBDD) is a new ap increasingly used in the pharmaceutical industry, for reducing attrition and providing leads for previously intractable biol. targets. FBDD i ow-mol.-wt. ligands (~150 Da) that bind to biol. important macromols. The three-dimensional exptl. binding mode of these fragments is detd. crystallog. or NMR spectroscopy, and is used to facilitate their optimization into potent mols. with drug-like properties. Compared with high-th ening, the fragment approach requires fewer compds. to be screened, and, despite the lower initial potency of the screening hits, offers mo fruitful optimization campaigns. Here, we review the rise of FBDD, including its application to discovering clin. candidates against targ er chem. approaches have struggled.
>> More from SciFinder®

1. Murray, C. W.; Rees, D. C.The rise of fragment-based
湘潭大學 openURL openURL Link S·F·X

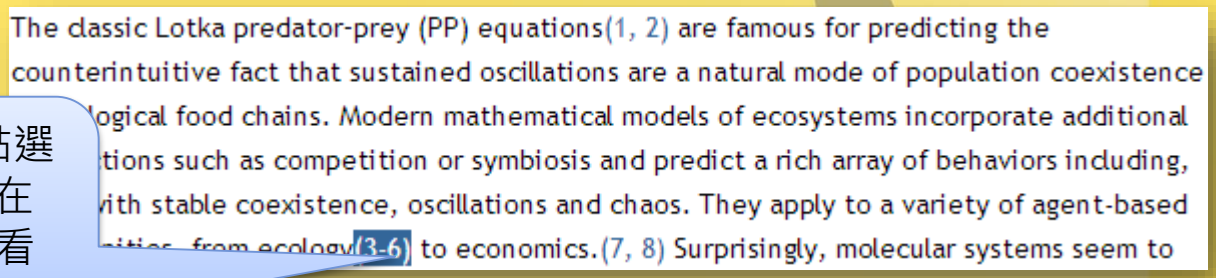
2. Howard, N.; Abell, C.; Blakemore, W.; Chessari, G.; C
R. L. M.Application of Fragment Screening and Fragme
1346- 1355[ACS Full Text], [PubMed], [CAS] SFX@

在Refercence QuickView浮窗可快速瀏覽所有參考文獻的訊息，包括来源和摘要

iGroup 查看Reference来源



連結到ACS及外部參考文獻



或直接於全文內點選參考文獻編號，在Scifinder浮窗查看

iGroup 四種全文瀏覽模式

Article

Prev

Cooperative Binding of PhoB^{DBD} to Its Cognate DNA Sequence—A Combined Application of Single-Molecule and Ensemble Methods

Markus Ritzefeld †, Volker Walhorn ‡, Christin Kleineberg ‡, Adeline Bieker ‡, Klaus Kock §, Christian Herrmann §, Dario Anselmetti ‡, and Norbert Sewald *†

†Organic and Bioorganic Chemistry and ‡Experimental Biophysics, Bielefeld University, Universitaetsstrasse 25, 33615 Bielefeld, Germany

§ Physical Chemistry I, Ruhr University Bochum, Universitaetsstrasse 150, 44801 Bochum, Germany

ACS ActiveView PDF

Hi-Res Print, Annotate, Reference

PDF [2144 KB]

PDF w/ Links[453

Full Text HTML

Abstract

Supporting Info ->

Figures

Reference QuickView

Add to ACS ChemWorx

Biochemistry, 2013, 52 (46), pp 8177-8186
DOI: 10.1021/bi400718r
Publication Date (Web): October 22, 2013

*Tel.: +49 521 106 2051, E-mail: Norbert.Sewald@uni-bielefeld.de.

Author Contributions

The manuscript was written through contributions of all authors. All authors have given approval to the final version of the manuscript.

Funding Statement

This work was supported by the German Research Foundation (DFG, SFB 613) and the German National Academic Foundation (Studienstiftung des Deutschen Volkes, PhD fellowship to Markus Ritzefeld).

Conflict of Interest Statement

The authors declare no competing financial interest.

Section: General Biochemistry

iGroup 四種全文瀏覽模式

可添加註解並收藏至雲端的PDF全文

高解析PDF全文

含外部鏈結的PDF w/Link全文

網頁HTML全文

ChemWorx功能：ACS專屬書目管理與投稿工具、社交平台

Browse the Journal:

每本期刊除了提供研究文章之外, 背後的專業科學編輯團隊會針對每本期刊提供額外的加值資訊, 豐富的內容與獨特性, 使得ACS每本期刊都像獨立的資料庫

舉例: ACS Nano

Virtual Video Issue:
2010 Most-Accessed Articles in *ACS Nano* and *Nano Letters*

NANO LETTERS ACSNANO

Virtual Issue

March 22, 2011

In This Virtual Video Issue

- ACS NANO
- NANO LETTERS

The authors of the most-accessed articles from *ACS Nano* and *Nano Letters* in 2010 were each invited to create a video highlighting their work. ACS Publications teamed up with SciVee TV to bring you these videos with added article synchronization. This virtual video issue features the author-created videos side-by-side with their related articles.

Editorial

Virtual Video Issue: A New Way To Look at the Most-Accessed Articles in *ACS Nano* and *Nano Letters*
Heather L. Tierney (Managing Editor) and Paul S. Weiss (Editor-in-Chief)
DOI: 10.1021/nn200834m

ACS Nano

View Video | View Article
Improved Synthesis of Graphene Oxide
Daniela C. Marcano, Dmitry V. Kosynkin, Jacob M. Berlin, Alexander Sinitskii, Zhengzong Sun, Alexander Slesarev, Lawrence B. Alemany, Wei Lu

View Video | View Article
Two-Dimensional Graphene Bridges Enhanced Photoinduced Charge Transport in Dye-Sensitized Solar Cells
Nailiang Yang, Jin Zhai, Dan Wang, Yongsheng Chen and

View Video | View Article
P25-Graphene Composite as a High Performance Photocatalyst
Hao Zhang, Xiaojun Lv, Yueming Li, Ying Wang and Jinghong Li
DOI: 10.1021/nn901221k

《ACS Nano》與《Nano Letters》提供作者自述視頻

舉例 JACS

Spotlights on Recent *JACS* Publications

JACS Spotlights are recent publications from *JACS* highlighted by the Editors. Brief summaries by science writers explain the impact and significance of the research findings. View translated issues to and listen to podcasts from the first Spotlights.

December 2013

November 2013
Issue 47

- Organic Molecules Form Honeycomb Nanostructures in Water
- A Cytochrome P450 in the Terpene Cyclase Business
- Catalysts in Action: A Dynamic Picture
- Computational NMR Approach Deciphers What Other Methods Cannot

Issue 46

- Metal-Metal Cooperativity Revives Catalytic Photochemical C-H Borylation
- A Magnetic Eye Spies the Protein Electric Fields
- Exciton Fission Just Got Cooler
- Carbon and Gold Make Valuable Bonds

Issue 45

- 2D π-Conjugated Polymers: Larger Size, Smaller Band Gap
- Shining a Light on Protein Dynamics
- New Class of Hydrogels Falls Apart with Light
- Breaking DNA, Twice

SPOTLIGHTS由科學作家重點解釋研究發現的影響、並提供專業的對應譯文及音頻

Spotlights

Chinese

原纤维的新功能

新方法排除聚合物泡囊形成中的猜测因素

NMR 方法确定膜蛋白质结合的性质

快速、实时细胞分泌物检测系统

SERS 漂浮仪器创造“气泡实验室”

新 RNA 模拟可确定折叠时机

含硼大环化合物显出光电学应用潜力

German

Eine neue Aufgabe für Fibrillen

2014 OPEN ACCESS

ACS Central Science

ACS Editors' Choice

ACS Author Rewards

ACS AuthorChoice

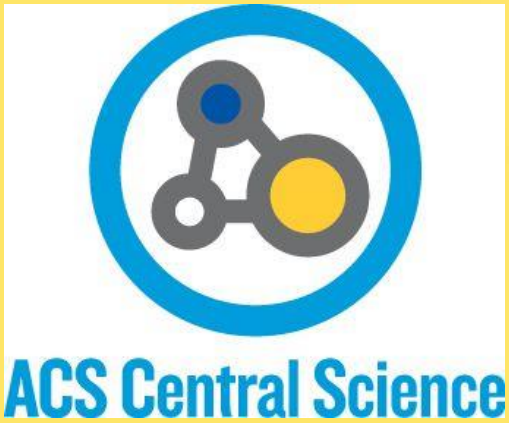
2014 OPEN ACCESS

ACS Central Science:
完全免費的一本期刊 (讀者可免費閱讀; 作者可免費投稿)

ACS Editors' Choice:
由各本期刊編輯選出的重要研究文獻 (永久免費獲取)

ACS Author Rewards:
ACS設置了六千萬(美金)回饋金給選擇讓文章open access的作者

ACS Author Choice:
從2014開始, 文章出版多了Open access的新選擇



Highly selective, peer-reviewed journal:

- 每年預估出版100-200篇文章
- 所有作者可免費投稿本open access 期刊

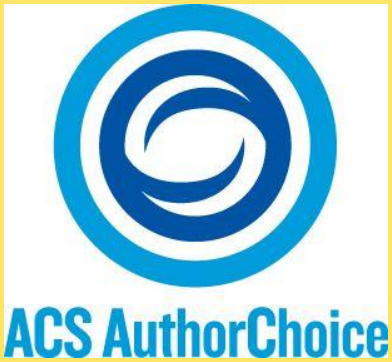
Covers the breadth of chemistry research, including:

- 計算化學
- 奈米科技
- 化學與合成生物學
- 化學工程
- 材料科學

本刊主導:

現役科學家、活躍的研究人與國際編輯群共同主導

- 每日精選一篇重要文章
- Begins January 1, 2014
- 文章會持續免費開放給所有使用者使用與閱讀



Note: 文章出版後12個月, 作者可無償擁有ACS版的最終稿件

- 始於2006年
- 作者可透過合理的費用將文章open access提供給所有讀者
- ACS提供額外的折扣給ACS All Pubs Collection單位訂戶及 ACS個人會員
- 2014: 配合專款或研究基金的時間點, 提供作者更多的open access時程選項

Q & A