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**DATABASE
IUPAC STANDARDS ONLINE**
IUPAC標準資料庫 (國際純化學和應用化學協會)



INTERNATIONAL UNION OF
PURE AND APPLIED CHEMISTRY

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什麼是IUPAC標準資料庫?

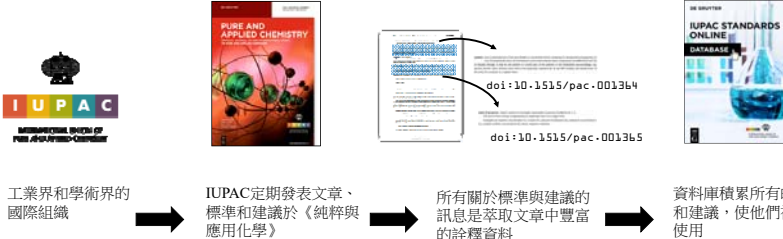


- ▶ IUPAC = 國際純化學和應用化學協會(化學學術界及產業組織)
- ▶ IUPAC定期發表文章、標準和建議於《純粹與應用化學》
- ▶ 資料庫編譯了所有的標準和建議，使它們易於訪問使用
- ▶ 標準=術語定義,標準程式,標準值的定義...
- ▶ 標準是國際上為結合工業界的科學家和學術界，毒理學，環境科學家，專利律師
- ▶ IUPAC治理全球化學知識，成為化學元素新發現及命名權的最終裁決法院，創立了國際認可的標準術語

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WHAT IS THE ADDED VALUE?




工業界和學術界的國際組織 → IUPAC定期發表文章、標準和建議於《純粹與應用化學》 → 所有關於標準與建議的訊息是萃取文章中豐富的詮釋資料 → 資料庫積累所有的標準和建議，使他們被方便使用

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IUPAC標準資料庫內容

- ▶ 資料庫包含:
 - ▶ 超過1000個標準和建議摘錄自22,000頁《純粹與應用化學》期刊文章
 - ▶ 標準和建議從1960開始
 - ▶ 年度更新
 - ▶ 更新前一年摘錄自《純粹與應用化學》刊登的標準和建議
 - ▶ 年度更新數量以刊登的標準和建議數為準




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IUPAC標準資料庫效能

- ▶ 所有標準和建議置於同一個地方
- ▶ 快速且易於檢索和查詢的標準
- ▶ Short database entries = 以快速，填鴨式的方式查找特定的標準和建議
- ▶ Thesaurus: search directs user to the IUPAC conform term defined in the database 引導用戶在資料庫搜索符合IUPAC術語定義內容
- ▶ 含蓋主題:
分析化學，生物化學，化學安全，數據管理，教育，環境化學，無機化學，材料，藥物化學，核化學，有機和物理化學

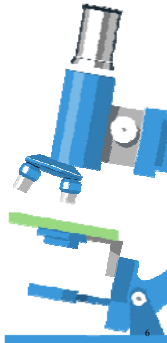


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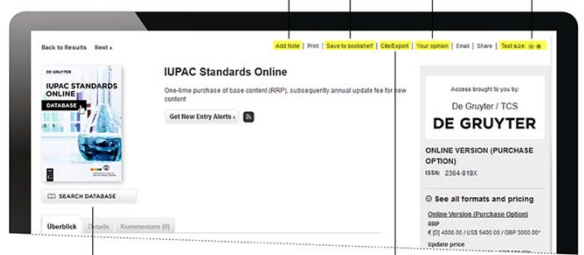
多元搜索標準和限定查詢選項

- ▶ Extensive metadata for each entry allow a sophisticated and quick retrieval of the relevant information 豐富的元數據允許條目優化快速檢索相關的信息:
- ▶ 12 個檢索條件設定: 全文，關鍵字，標題，IUPAC單位，合作夥伴，作者，年份，文章類型，表格/數字，IUPAC專案編號，DOI
- ▶ 6 個限定檢索: 主題，IUPAC單位，作者，年份，文章類型，臨時的
- ▶ 19 主題
- ▶ 172 次主題



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Add note to personal account
 Saving options for database entries
 Send feedback to De Gruyter
 Change text size for entry or result list

Opens the search function

Allows citation in MLA, APA, and Chicago styles, or export elements in RIS format

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SEARCH

1 SEARCH

SIMPLE SEARCH

ADVANCED SEARCH (MORE SEARCH OPTIONS)

Search in full text

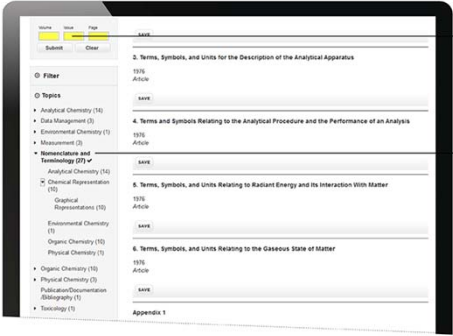
Combine multiple search terms

Choose from 12 search criteria

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2 ADDITIONAL SEARCH FUNCTIONALITIES



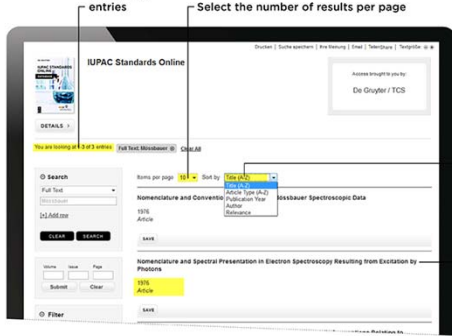
Search by referencing to the volume, issues, page of the original publication in *Pure and Applied Chemistry*

Search by filtering: 19 subject categories, 172 subcategories + 6 text filters

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3 RESULT LIST



Number of entries

Select the number of results per page

Results can be sorted

Clicking on the title opens document display

Additional information: Author, publication year, article type

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4 DOCUMENT DISPLAY: ARTICLE HEADER



Navigate between results

Change to "reading view"

Topical classification
DOI of the entry

Link to the original article in the database

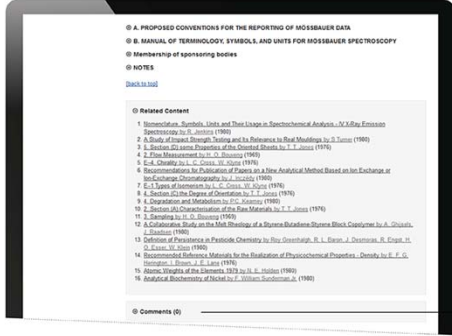
Original citation information from the journal *Pure and Applied Chemistry*

Keywords link to other relevant entries

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5 DOCUMENT DISPLAY: ADDITIONAL FUNCTIONALITIES



Link to other relevant entries

Possibility to leave a comment

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SUMMING UP...



- ▶ **Useful:** IUPAC's standards and recommendations easily discoverable
- ▶ **Extensive:** standard values and procedures, nomenclature, terminology and symbols, materials properties of elements,...
- ▶ **Smart:** topical structure, advanced search, cross linked articles

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