DATABASE
IUPAC STANDARDS ONLINE
WHAT IS THE DATABASE ABOUT?

- IUPAC = International Union of Pure and Applied Chemistry (organization for chemists from industry and academia)
- IUPAC regularly publishes articles including standards and recommendations in the journal *Pure and Applied Chemistry*
- The database compiles all standards and recommendations ever published and makes them easily accessible
- Standards = definition of terms, standard procedures, standard values …
- Standards are internationally binding for scientists in industry and academia, toxicologists, environmental scientists, patent lawyers…
WHAT IS THE ADDED VALUE?

International organization of chemists from industry and academia

IUPAC regularly publishes articles including internationally binding standards and recommendations in the journal Pure and Applied Chemistry.

All relevant information on standards & recommendations is extracted from the articles and enriched with metadata

The database accumulates all standards & recommendations and makes them easily accessible
WHAT DOES IT INCLUDE?

- The database contains:
  - Over 1000 standards & recommendations extracted from 22,000 pages *Pure and Applied Chemistry*
  - All standards & recommendations published since 1960
- Yearly updates
  - Include all standards & recommendations published up to the previous year (extracted from *Pure and Applied Chemistry*)
  - Yearly amount depending on the No. of standards & recommendations published
WHAT ARE THE BENEFITS?

- All standards & recommendations in one place
- Quick and easy search and retrieval of standards & recommendations
- Short database entries = finding specific standards & recommendations in a quick, spoon-fed way
- Thesaurus: search directs user to the IUPAC conform term defined in the database
- Covering topics in:
  
COMPREHENSIVE SEARCH CRITERIA AND FILTER OPTIONS

- Extensive metadata for each entry allow a sophisticated and quick retrieval of the relevant information:
  - **12 search criteria**: full text, keyword, title, IUPAC Division, collaborative partner, author, year, article type, tables/figures, provisional, IUPAC project number, DOI
  - **6 text filters**: topics, IUPAC division, author, year, article type, provisional
  - **19 subject categories**
  - **172 subcategories**
1 SEARCH

SIMPLE SEARCH

ADVANCED SEARCH (MORE SEARCH OPTIONS)

Search in full text

Combine multiple search terms

Choose from 12 search criteria

IUPAC Standards Online is a unique compilation of chemistry and related fields created by the International Union of Pure and Applied Chemistry (IUPAC). These standards and recommendations, extracted worldwide by scientists in industry and academia, are designed to support a wide range of applications, including the formulation of materials and the development of new technologies. The database is updated annually, incorporating the latest developments in the field.
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
RESULT LIST

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
5 DOCUMENT DISPLAY: ADDITIONAL FUNCTIONALITIES

- A. PROPOSED CONVENTIONS FOR THE REPORTING OF MÖSSBAUER DATA
- B. MANUAL OF TERMINOLOGY, SYMBOLS, AND UNITS FOR MÖSSBAUER SPECTROSCOPY
- Membership of sponsoring bodies
- NOTES

Related Content
3. Section II some Properties of the Oriented Sheets by T.T. Jones (1976)
8. Section II the Degree of Orientation by T. T. Jones (1976)

Comments (0)
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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► Find more information about IUPAC Standards Online at www.degruyter.com/view/db/iupac