

Characteristics of the RSC platform



(Royal Society of Chemistry) Publishing

Publisher Royal Society of Chemistry

Content 44 full-text current journals ([list of titles](#)) and 71 full-text archival journals ([list of titles](#)), in the field of chemistry and related science.

Journals can be searched and downloaded in the following licenced subject databases:

1. Analytical Abstracts
2. Chemical Hazards in Industry
3. Laboratory Hazards Bulletins
4. Natural Product Updates
5. Synthetic Reaction Updates

The databases contain information on: chemical analysis, catalysis, industrial chemistry, chromatography, laboratory chemistry, organic synthesis and mass spectrometry. Some of the materials are available only in the form of an abstract.

Chronological range 1998-up to date
Archive 1841-2019

Searching **Search** – by any keywords in the following fields: full text of the article, title, author, DOI number, ISSN number.

Advanced Search – according to any keywords and/or phrases using Boole`a operators (AND, OR, NOT) and/or excluding selected keywords, in the following fields: author, title, references, full text (searching one, several or all journal titles) and/or databases simultaneously.

You can limit your search to journals or book chapters.

Attention !

RSC Publishing as a part of the RSC feed service provides the ability to search for compounds and chemical structures. Chemicals are recognized through IUPAC and structures through Gene Ontology, Cell Ontology and Sequence Ontology.

The journals are available in enriched HTML format containing an abstract in graphic form, linking to ontological terms and a detailed description of chemical compounds (synonyms). In addition, it is possible to search for articles related to a specific topic and citing a selected journal.

Access [Online](#)

Additional information **The RSC platform allows access to the following licensed databases (Literature updating services) as a part of the 2020/2021 subscription:**

1. Analytical Abstracts – a database containing information about the latest achievements in the field of analytical sciences and covering a wide range of sources since 1980. The database allows you to search in general terms for analytes, matrices or techniques and to browse the content by topic or in chronological order, taking into account recently added articles. Moreover, the database permits users to create personalized alerts to receive information about the latest developments in the field of analytical sciences via email.

Access: [online](#)



2. Synthetic Reaction Updates – including access to:

- **Catalysts & Catalysed Reactions** (2002 - 2014)
- **Methods in Organic Synthesis** (1998 - 2014).

A website containing the latest literature reports in the field of synthesis methods and chemical reactions. Allows you to:

- search literature according to:
 - research topics in text fields such as: title, abstract, author name, journal name,
 - type of chemical reaction.
- create notifications to the e-mail address based on research interests,
- save the reaction scheme in the form of .tif or .cdx files,
- restrict the search to catalytic or stereoselective reactions only.

Access: [online](#)

3. Natural Product Updates

A website updating the literature on the latest achievements in the chemistry of natural products. The updates include the latest and most important articles in this field. The issues are searched according to the topic and type of relationship structure, configuring the search in different ways, with the possibility of saving it and creating an informative alert with a specified frequency on a topic.

Access: [online](#)

Free-access databases:

4. ChemSpider – a database of properties of chemical compounds (58 million chemical structures), containing information on the nomenclature of compounds, synonyms and their trade names, structure, physicochemical properties, spectrometric data, etc. The database also contains patent and bibliographic information on selected subjects. In addition, the database includes linking to the freely available [Crystallography Open Database](#). More information about the crystallographic base ([in the file](#)).

Access: [online](#)

5. ChemSpider Synthetic Pages – a database containing detailed information about the procedures and methods of synthesizing compounds (for registered users):

- adding your own synthesis routines,
- posting literature and comments, according to a elected method,
- adding links to other websites related to a given preparation,
- providing practical information from the point of view of laboratory preparation. It is also possible to generate the chemical structure of a compound in the form of a file.

Access: [online](#)

6. Table of chemical elements – a database containing detailed information on the physicochemical properties of elements, their electronic configuration, ionization energy, mass, density and individual isotope varieties.

Access: [online](#)

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