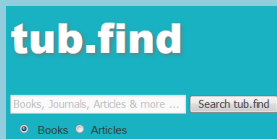




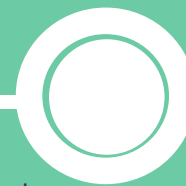
PROCESS ENGINEERING INFORMATION @ TUHH



General & Background Information



Practical & Useful Data



Detailed, Original Research

Encyclopedias
Dictionaries

Ullmann's Encyclopedia of
Industrial Chemistry - 2017 ed.

Comprehensive biotechnology
(2. ed., 2011)

Comprehensive Renewable
Energy (2013)

All online within TUHH intranet

Further printed reference works
in the reading rooms



Thomas Hapke, Subject Librarian, TUHH, hapke@tuhh.de

<https://www.tub.tuhh.de/en/process-and-chemical-engineering/>

Adopted from: Crystal Boyce. "Chemistry Lab Poster" Chemistry (2016)

Available at: http://works.bepress.com/crystal_boyce/12/

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Clipart from openclipart.org CC0 (PD).

Reference Texts
Books



Reading room areas:

CH Chemistry, VT Process Engineering,
BT Biotechnology, US Environmental
Engineering, GTF Hazardous Materials,
WK Materials Sciences

E-Books online within intranet

Selected from publishers like Springer,
Wiley, Elsevier (ScienceDirect), Hanser, De
Gruyter etc.

Safety Information
Regulations
Standards

Merkblätter Gefährliche
Arbeitsstoffe

Data on hazardous substances with
safety instructions and data sheets
<http://tinyurl.com/merkblaetter>

umwelt-online.de

Texts of German laws, regulations and
rules concerning health and safety,
hazardous substances etc.

German DIN Standards

Standards database Perinorm offers full
texts of German standards (DIN, VDI)

All above only within TUHH intranet!



Substance Property
Data

ChemSpider

Containing spectra as well as physical,
environmental data, basic property and
safety information etc. Searching by
names, substructures, CAS registry
numbers possible.

Aldrich Handbook

Free site by the company Sigma-Aldrich,
providing useful data for a wide range of
compounds.

NIST Chemistry WebBook

Containing high quality, critically
reviewed data compiled by the National
Institute of Standards and Technology
(NIST), predominantly organic.

Further printed sources

<https://www.tub.tuhh.de/en/substance-property-data/>

Journal Articles
Patents

Web of Science

Database indexing leading science and
engineering journals (Science Citation
Index), also social sciences & humanities,
featuring cited reference searching.
Coverage goes back to 1945.

TEMA® Technology and
Management

Containing references from German and
international technical literature, also
conference proceedings. Coverage goes
back to 1968.

SciFinder

Chemical Abstracts from the American
Chemical Society (ACS), extensive
coverage of all chemistry literature back
to 1907. Not available @TUHH.

Patents

<https://www.tub.tuhh.de/en/patents/>