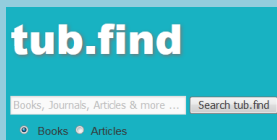




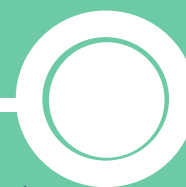
# PROCESS ENGINEERING INFORMATION @ TUHH



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/](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/>