

# Using SpringerMaterials to Locate Your Landolt-Börnstein Volume and Chapter For University of California Libraries

*This method will work as long as searching SpringerMaterials remains freely available.*

SpringerMaterials is a searchable database of physical property data for chemicals and materials, including the New Series of Landolt-Börnstein (but not the Sixth Edition, so you will need to consult the print indexes for these volumes).

While Berkeley is the only UC library that currently licenses SpringerMaterials, *any UC user can still search the database to identify the Landolt volume they need, and then access that volume online through Portico*. Portico does not include the Landolt volumes published after 2008, and the other UC Libraries may or may not have access to the other resources that Springer has integrated into SpringerMaterials.

1. Go to <http://materials.springer.com/> and run your search. Searching for a compound and property will probably yield the best results. The “and” is assumed, so if you search *lead selenide* it will search as *lead AND selenide*. Use quotes (“lead selenide”) if you want to narrow the search.



2. Click the document title in the results. Most of the non-Landolt content is coming from other databases, but there might be a few titles that we can access. For example, VDI-Buch here is a reference to the book *VDI Heat Atlas*, which is available at the UC Libraries as an ebook.

Refine Your Search

**Data Source**

- Landolt-Börnstein 38

**Discipline**

- Advanced Technologies 1
- Biophysics 6
- Electromagnetism 4
- Geo- And Astrophysics 5
- Mechanics 1
- Molecules And Radicals 5
- Solid-State Physics 13
- Document title 37

**Properties**

- Acentric Factor 2
- Boiling Point 7
- Bond Type 1
- Chemical Diffusion 4
- Chemical Structure 1
- Clearing Parameter 1
- Critical Point 1
- Crystal-To-Crystal Transition 1
- Density 1
- Differential Scanning

38 Result(s) for 'enthalpy bromobenzene'

Page 1 of 2

VDI-Buch

**Subvolume title**

**D3 Properties of Pure Fluid Substances**

Landolt-Börnstein - Group IV Physical Chemistry

**Organic Compounds, C6**

This document is part of Subvolume A 'Enthalpies of Fusion and Transition of Organic Compounds' of Volume 8 'Thermodynamic Properties of Organic Compounds and Mixtures' of Landolt-Börnstein - Group IV Physic...

Landolt-Börnstein - Group IV Physical Chemistry

**Organic Compounds, C9 to C10**

This document is part of Subvolume A 'Enthalpies of Fusion and Transition of Organic Compounds' of Volume 8 'Thermodynamic Properties of Organic Compounds and Mixtures' of Landolt-Börnstein - Group IV Physic...

Landolt-Börnstein - Group IV Physical Chemistry

**4 Halogen Containing Organic Compounds, C5 to C6**

This document is part of Subvolume A 'Vapor Pressure and Antoine Constants for Hydrocarbons, and S, Se, Te, and Halogen Containing Organic Compounds' of Volume 20 'Vapor Pressure of Chemicals' of Landolt-Bör...

3. The abstract includes the information you need to locate the document in Portico: volume number and title, subvolume number and title, and group in the Landolt-Börnstein series. Only Berkeley users will be able to download the chapter or view the PDF on the page.

The screenshot shows a document page from Landolt-Börnstein - Group IV Physical Chemistry. The main title is "Organic Compounds, C6". Below it is the word "Abstract". The abstract text reads: "This document is part of Subvolume A 'Enthalpies of Fusion and Transition of Organic Compounds' of Volume 8 'Thermodynamic Properties of Organic Compounds and Mixtures' of Landolt-Börnstein - Group IV Physical Chemistry." There are four yellow callout boxes with arrows pointing to specific parts of the page: "Document title" points to the main title; "Volume 8A" points to "Subvolume A" in the abstract; "Subvolume title" points to "Enthalpies of Fusion and Transition of Organic Compounds"; and "Volume title" points to "Volume 8". At the bottom left is a blue button labeled "Download Chapter" with a lock icon. At the bottom right is an orange button labeled "View PDF" with a lock icon and a right-pointing arrow. A small thumbnail of the document cover is visible on the right side.

Some documents may have a subvolume number and a volume number/title, but no subvolume title. See the instructions at the end of this document for finding these since they are only listed in Portico as Subvolumes A, B and C.

The screenshot shows a document page titled "2.2.3 Sodium halides". Below the title is the word "Abstract". The abstract text reads: "This document is part of Subvolume A of Volume 23 'Electronic Structure of Solids: Photoemission Spectra and Related Data' of Landolt-Börnstein - Group III Condensed Matter." A yellow callout box labeled "Volume title, but no subvolume title" points to "Volume 23" in the abstract.

4. With this information, you can now go to the Landolt-Börnstein volumes in Portico to find the chapter you need. See the next page for instructions.
- Berkeley users should be able to view the chapters from SpringerMaterials without using Portico.
  - Volumes published after 2008 are not included in Portico, and users at the other Libraries should consult their librarians for further assistance. You may be able to get a copy of the document through interlibrary loan.

## Accessing the Online Landolt-Börnstein Volumes at the University of California Libraries

Go to <http://uclibs.org/PID/168793> to access the Landolt-Börnstein volumes archived in Portico. **Browse the alphabetical list of subvolumes to find the one you need.** The site is restricted to UC faculty, staff and students, so use whatever option your campus provides (Proxy and/or VPN) to access from off campus.

The screenshot shows the Portico website interface. At the top, there are navigation tabs for 'ELECTRONIC JOURNALS', 'ELECTRONIC BOOKS', and 'DIGITIZED COLLECTIONS'. Below these are search filters for 'All', '0-9', and letters 'A' through 'L'. The 'E' filter is selected. The search results list several subvolumes under the heading 'Title'. The first entry is 'Elements, Borides, Carbides, Hydrides' by K.-H. Hellwege, A. M. Hellwege (1988). A yellow box labeled 'Subvolume title' points to this entry. Below the title, there are links for 'Table of Contents', 'Additional Information', and 'PDFs'. Other entries include 'Energy Levels of Nuclei: A = 5 to A = 257' and 'Enthalpies of Fusion and Transition of Organic Compounds'.

Once you find the volume, click the **Table of Contents** link (not the PDFs link) link to bring up the list of chapters.

The screenshot shows the 'Table of Contents' page for the volume 'Enthalpies of Fusion and Transition of Organic Compounds'. The page includes the title, copyright information (© 1995 Springer-Verlag Berlin Heidelberg), and the editor's name (K. N. Marsh). Below this, there is a list of sections with their respective page ranges and available PDF links. A yellow box labeled 'Document title from SpringerMaterials' points to the title of the first section: '1: Title, Authors, Preface. Pages 1-6. Available Rendition(s) for Section: PDF'.

Find your document and click the **PDF** link.

cr	1	407.00 ± 0.20	25.38 ± 0.25	cm;cs	DSC	82-poe/fan
<b>1,4-Benzoquinone</b>						
		[106-51-4]	C <sub>6</sub> H <sub>4</sub> O <sub>2</sub>			MW = 108.10
cr	1	386.00 ± 0.30	18.45 ± 0.17	cm;sd,sb	drop	26-and/lyn
<b>Bromobenzene</b>						
		[108-86-1]	C <sub>6</sub> H <sub>5</sub> Br			MW = 157.01
cr	1	242.43 ± 0.20	10.63 ± 0.29	cm;fd; 99.9m%;ta	conduction	37-stu
cr	1	242.401 ± 0.010	10.702 ± 0.010	sx;fd,zr; 99.998m%	adiabatic	75-mas/sco
cr	1	242.41 ± 0.02	10.702 ± 0.010			Selected

Browse or search the PDF to find the information you need.

Landolt-Börnstein - Group III Condensed Matter

## 2.2.3 Sodium halides

### Abstract

Volume title, but no subvolume title

This document is part of Subvolume A of Volume 23 'Electronic Structure of Solids: Photoemission Spectra and Related Data' of Landolt-Börnstein - Group III Condensed Matter.

Note: Finding Documents in the  
“Subvolume” Titles in  
SpringerMaterials & Portico

There are some volumes in  
SpringerMaterials that are missing a  
subvolume title, and thus show up in  
Portico as Subvolume A, B or C.

**Subvolume A**  
unattributed(2003)  
Portico Content Set: Springer E-Books  
Portico Item ID: ark:/27927/pbb817cxn  
[Table of Contents](#) | [Additional Information](#) | [PDFs](#)

**Subvolume A**  
A. Goldmann, E.-E. Koch(1989)  
Portico Content Set: Springer E-Books  
Portico Item ID: ark:/27927/pbb6vdc60  
[Table of Contents](#) | [Additional Information](#) | [PDFs](#)

**Subvolume A**  
K. Fuchs, H. Soffel(1984)  
Portico Content Set: Springer E-Books  
Portico Item ID: ark:/27927/pbb7fbtrh  
[Table of Contents](#) | [Additional Information](#) | [PDFs](#)

**Subvolume B**  
H. Schopper(1988)

This is how they look in Portico, sorted as “Subvolume.”

Click “Additional Information” for each Subvolume A (or B  
or C) to see if you have the right one.

### Abstract

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### Summary

Group III, Volume 23, Subvolume A

This document is part of Subvolume A of Volume 23 'Electronic Structure of Solids: Photoemission Spectra and Related Data' of Landolt-Börnstein - Group III Condensed Matter.

Scroll down to the Summary to see if the  
Group and Volume match what you  
found in SpringerMaterials.