



# SPRINGER MATERIALS: THE SEMICONDUCTOR RESEARCH SOLUTION

SpringerMaterials helps researchers & engineers  
discover vital semiconductor material and property data

[springernature.com/springermaterials](https://springernature.com/springermaterials)

## The most comprehensive semiconductor and electronic materials database in the world

SpringerMaterials provides vital semiconductor material and property data to ensure that the best materials are utilized in the complex semiconductor manufacturing process, reducing R&D spend, and boosting manufacturing efficiency.

**Trusted data:** Compiled by subject matter experts, SpringerMaterials offers high-quality content from multiple, critically evaluated sources

**Advanced tools:** Enhanced digitization efforts offer multiple ways of interacting with data – opening up new ways of thinking about a research problem

**Data comparison:** Visualize and compare multiple materials on a single graph, facilitating further research

**Comprehensive data:** In addition to theoretical data, SpringerMaterials is proud to offer experimental data - a feature not usually available on other open source databases

**Downloading options:** Multiple ways to download and export data

### The SpringerMaterials semiconductor collection contains:

- 645 unique material-property combinations with interactive functionality covering 54 semiconductor properties
- 16 [Landolt-Börnstein \(LB\) volumes](#) on semiconductors covering over 2400 unique substances and over 600 properties.
- Experimental & theoretical materials data
- Inorganic Solid Phases module which includes:
  - 300,000+ crystal structures
  - ~ 40,000 phase diagrams
  - ~ 150,000 physical properties data sets




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Browse the Landolt-Börnstein bookshelf [here](#).

To find out more or request a trial visit:

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\*The semiconductor collection is currently included as a part of the SpringerMaterials platform but will soon be available for purchase separately.