

Наша компания объединила лучшие бренды
научного направления

SPRINGER NATURE



nature



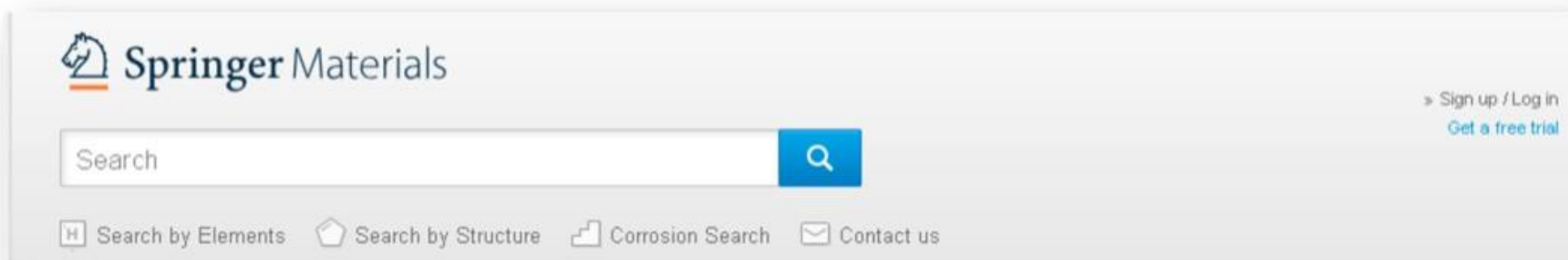
Apress®

SCIENTIFIC
AMERICAN

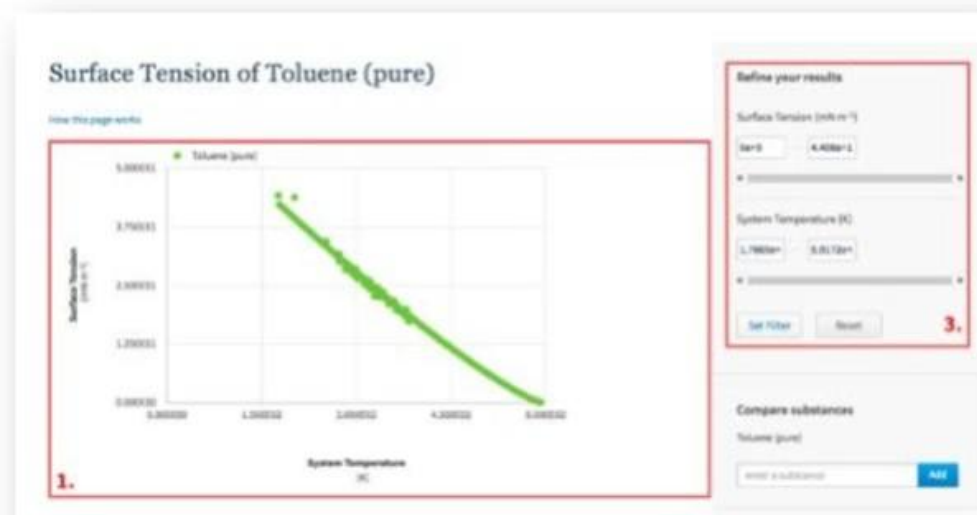
palgrave
macmillan

Springer Materials

<https://materials.springer.com/>



Платформа Springer Materials содержит самое полное собрание данных о материалах, их свойствах и характеристиках, а недавно интегрированный инструмент Springer Materials Interactive позволит ученым визуализировать данные и использовать полученные графики, таблицы и анимации в своих работах.



Springer Materials

Проверка наличия доступа: способ №1

Доступ есть

Если система распознала ваш IP-адрес, в самом низу страницы вы увидите название своей организации или название консорциума национальной подписки (*RFBR national consortium*).

Доступа нет

Если система не распознала ваш IP-адрес, в самом низу страницы вы увидите только свой IP-адрес и надпись *Not logged in*.

SPRINGER NATURE

© Springer Nature Switzerland AG, Part of [Springer Nature](#)

Not logged in 81.17.28.115

Springer Materials

Проверка наличия доступа: способ №2, поиск и скачивание

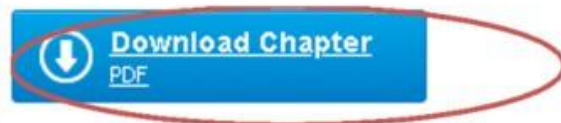
Если у вас есть доступ, вы можете без ограничений просматривать в браузере и скачивать в формате PDF ([Download Chapter PDF](#)) все результаты вашего поискового запроса.

Если доступа нет, платформа предложит зарегистрироваться или оформить подписку ([Get Access](#)).

доступ есть

Iron Systems, Part 1 · Introduction

metals, alloys, and composites. It contains the introduction to the volume.



доступа нет



 **Content available to subscribers**
To view content, please [Log in](#), [contact your Springer representative](#), or [get a free trial](#)

 [View PDF](#)

Springer Materials

Основные типы материалов



Основные классы свойств:



Основные источники данных:

- [SpringerMaterials](#) Interactive
- Classic [Landolt-Börnstein](#) series
- MSI Eureka
- Linus Pauling Files – Inorganic SolidPhases
- Polymer Thermodynamics Database (ATHAS)
- Dortmund Databank of Separation Technology
- Springer Handbooks (e.g., VDI HeatAtlas)
- Adsorption Database
- NIST CorrosionDatabase
- [SpringerMaterials](#) Fundamentals Handbooks

Browse by collection

Landolt-Börnstein

Inorganic Solid Phases

MSI Eureka

Metal foam

Polymer Thermodynamics

Substance Profile

Thermophysical Properties

Landolt-Börnstein bookshelf

SpringerMaterials Interactive

The research solution for identifying material properties

Fast and reliable insights accelerating materials science research

SpringerMaterials provides curated data and advanced functionalities to support research in materials science, physics, chemistry, engineering, and other related fields.

- **A comprehensive database** covering multiple material classes, property types, and applications
- **Enhanced data visualization** features display interactive crystal structures, data tables, and phase diagrams with export options for further analysis
- **Search functions optimized for materials science** like elemental composition or chemical structure searching to quickly find material property data
- **Trusted and curated resource** with thousands of materials science experts ensuring high data quality

[Learn more about how Springer Materials can benefit you](#)

^ Properties

- absorbance
- absorption coefficient
- absorption line
- absorption spectrum
- acceptor energy
- activation energy of resistivity
- adsorption
- angular frequency
- atomic defect properties
- atomic environment

^ Data collections

- Inorganic Solid Phases
- Landolt-Börnstein
- SpringerMaterials Interactive
- Substance Profiles

456 results for

Substance: znO

Search instead using the phrase: "ZnO"

Substance Profile
zinc oxide



Substance Profile
zinc dioxide



SpringerMaterials Interactive

297
155
2
2
Properties of ZnO

Custom results provided from a range of data sources, including the Landolt-Börnstein series, providing information on properties of ZnO

Interactive



SpringerMaterials Interactive

Nuclear Magnetic Resonance (NMR) Data for O-17 of ZnO

Custom results from the NMR data collection compiled by Helmut Duddleck & Bozhana Mikhova

Interactive



Inorganic Solid Phases

ZnO hp thermal expansion

Element system: O-Zn; Phase prototype: NaCl; Pearson symbol: cF8; Space group: 225; Data points: 1; Samples: 1; Journal references: 1



Inorganic Solid Phases

ZnO valence/charge transfer

Element system: O-Zn; Phase prototype: ZnO; Pearson symbol: hP4; Space group: 186; Data points: 6; Samples: 5;




ZnO



Elements search

Corrosion search

Video tutorial 

^ Properties

Search

Young's modulus

^ Data collections

Landolt-Börnstein

1

1 results for

Substance: zno

Filtered by: Young's modulus 

Search instead using the phrase: "ZnO"

Landolt-Börnstein

ZnO: Young's modulus

This document is part of Subvolume F 'New Data and Updates for several Semiconductors with Chalcopyrite Structure, for several II-VI Compounds and diluted magnetic IV-VI Compounds' of Volume 44 'Semiconducto...



ZnO: Young's modulus

Abstract

This document is part of Subvolume F 'New Data and Updates for several Semiconductors with Chalcopyrite Structure, for several II-VI Compounds and diluted magnetic IV-VI Compounds' of Volume 44 'Semiconductors' of Landolt-Börnstein - Group III 'Condensed Matter'.

[Download Chapter \(pdf\)](#)



[View PDF](#)

Substance Profile

Zinc oxide (ZnO)

CAS number(s): 1314-13-2, 8011-84-5, 8047-36-7, 8047-69-6, 8050-42-8, 8051-03-4, 56592-00-8, 57206-86-7, 185461-95-4

InChi Key: RNWHGQJWIACOKP-UHFFFAOYSA-N

Documents appearing with ZnO: 441

Element System: O-Zn

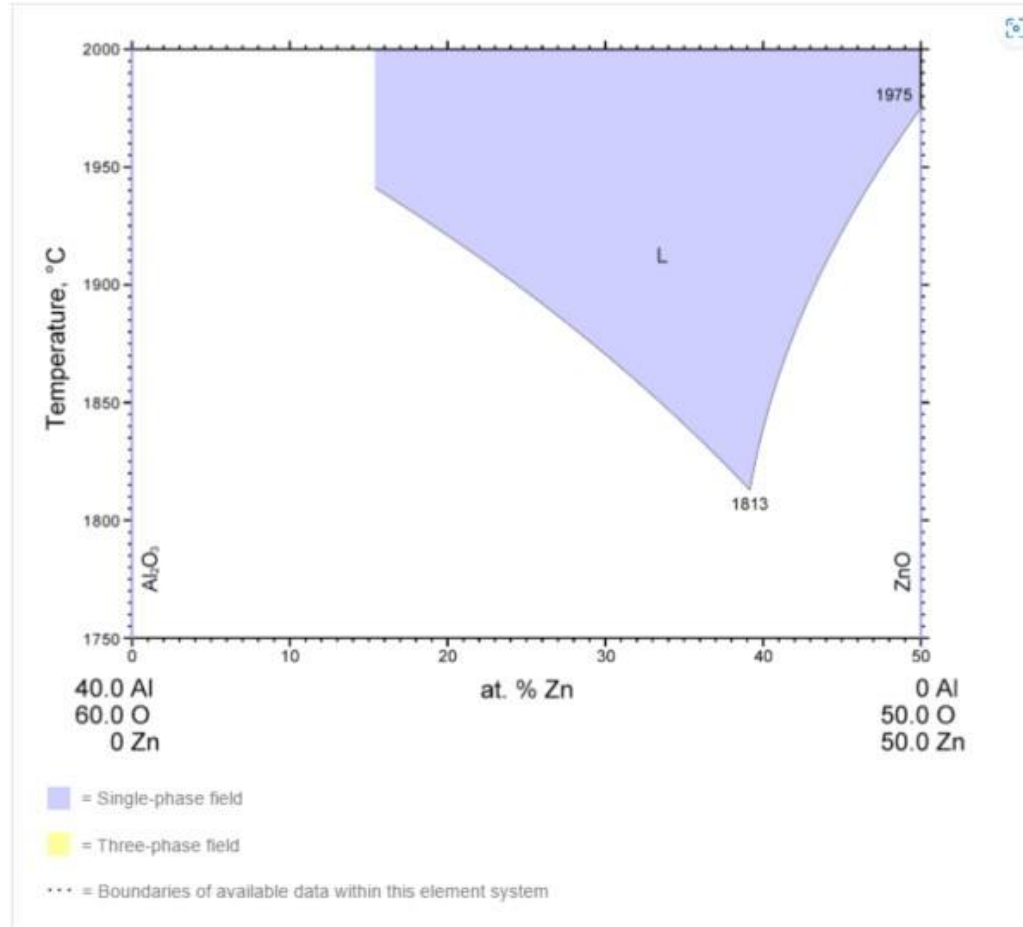
▼ Phase diagrams containing ZnO (40)

Showing 10 of 40 interactive phase diagram(s) for ZnO on SpringerMaterials

- » Al-O-Zn Vertical Section of Ternary Phase Diagram
- » As-O-Zn Vertical Section of Ternary Phase Diagram
- » B-O-Zn Vertical Section of Ternary Phase Diagram
- » B-O-Zn Vertical Section of Ternary Phase Diagram
- » B-O-Zn Vertical Section of Ternary Phase Diagram
- » Co-O-Zn Vertical Section of Ternary Phase Diagram
- » Co-O-Zn Vertical Section of Ternary Phase Diagram
- » Fe-O-Zn Isothermal Section of Ternary Phase Diagram
- » Fe-O-Zn Isothermal Section of Ternary Phase Diagram
- » Fe-O-Zn Isothermal Section of Ternary Phase Diagram

Show all 40 phase diagrams

Al-O-Zn Vertical Section of Ternary Phase Diagram



Спасибо за внимание!

Контакты: Дарья Савельева, представитель Springer Nature

E-mail: Daria.lovcheva@springernature.com

Контакты представителя в рамках централизованной подписки:

E-mail: support@database100k20.ru

Тел.: +7 495 120 50 60