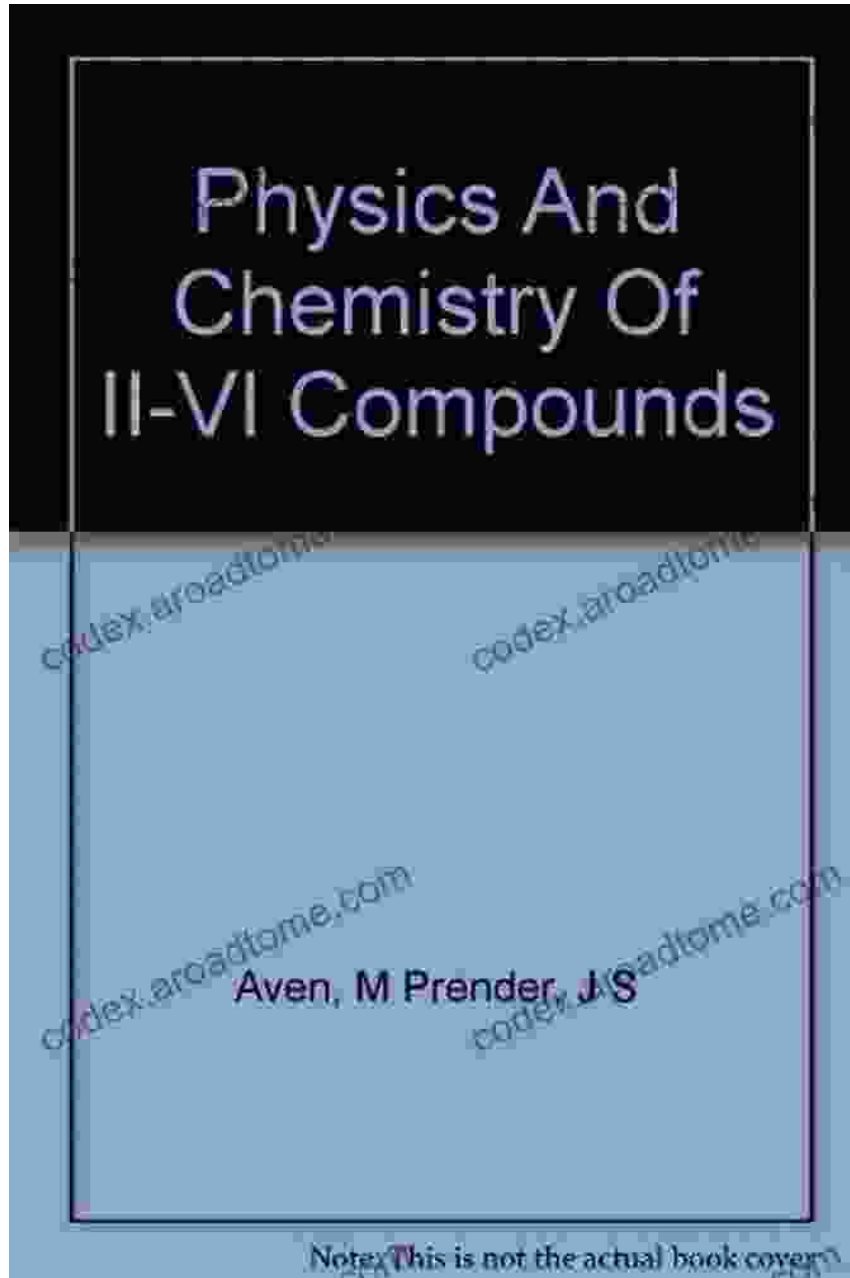
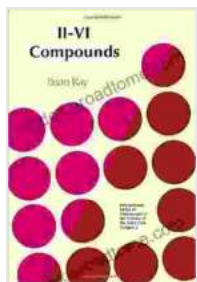


II-VI Compounds: International Monographs in the Science of the Solid State



II-VI compounds are a group of semiconductor materials that have attracted significant attention in recent years due to their unique properties and potential applications in a wide range of fields, including

optoelectronics, solar cells, and lasers. This comprehensive monograph brings together the latest research from leading experts in the field, providing a comprehensive overview of the science and technology of II-VI compounds.



II-VI compounds (International series of monographs in the science of the solid state, v. 2) by Brian Ray

★ ★ ★ ★ ☆ 4.5 out of 5

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| Language | : English |
| File size | : 39902 KB |
| Text-to-Speech | : Enabled |
| Screen Reader | : Supported |
| Enhanced typesetting | : Enabled |
| Word Wise | : Enabled |
| Print length | : 289 pages |
| Hardcover | : 268 pages |
| Item Weight | : 1.74 pounds |
| Dimensions | : 7.87 x 5.51 x 1.57 inches |



The book begins with a general to II-VI compounds, including their crystal structures, electronic properties, and growth techniques. Subsequent chapters focus on specific applications of II-VI compounds, such as:

- **Optoelectronics:** II-VI compounds are used in a variety of optoelectronic devices, such as light-emitting diodes (LEDs), lasers, and solar cells.
- **Photovoltaics:** II-VI compounds are promising materials for thin-film solar cells, due to their high absorption coefficients and long carrier diffusion lengths.

- Lasers: II-VI compounds are used in a variety of laser applications, including blue and green lasers.
- Sensors: II-VI compounds are used in a variety of sensor applications, such as gas sensors and photodetectors.

The book concludes with a discussion of the future prospects for II-VI compounds. The authors highlight the challenges and opportunities facing the field, and provide their insights on the future directions of research and development.

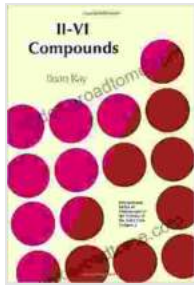
II-VI Compounds: International Monographs in the Science of the Solid State is an essential resource for scientists and engineers working in the field of II-VI compounds. It provides a comprehensive overview of the latest research and developments, and will help readers to stay abreast of the latest advances in this rapidly evolving field.

- **Authors:** A. V. Nurmikko, H. Luo, S. Zemon, A. Ohtomo, and J. F. Muth
- **Publisher:** Elsevier
- **Publication Date:** 2019
- **ISBN:** 9780128136693
- **Pages:** 672

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