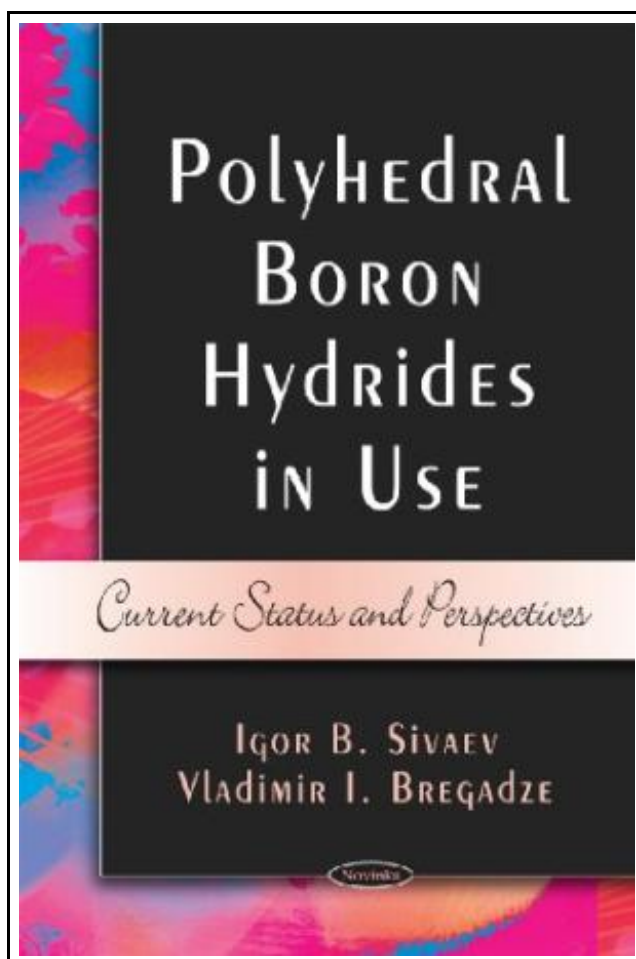


Polyhedral Boron Hybrides in Use: Current Status and Perspectives



Filesize: 6.18 MB

Reviews

I just started off reading this article pdf. It is probably the most remarkable ebook we have go through. It is extremely difficult to leave it before concluding, once you begin to read the book.
(Jeanette Kreiger)

POLYHEDRAL BORON HYBRIDES IN USE: CURRENT STATUS AND PERSPECTIVES



To save **Polyhedral Boron Hybrides in Use: Current Status and Perspectives** PDF, remember to follow the button beneath and save the file or gain access to other information that are have conjunction with POLYHEDRAL BORON HYBRIDES IN USE: CURRENT STATUS AND PERSPECTIVES ebook.

Nova Science Publishers Inc. Paperback. Book Condition: new. BRAND NEW, Polyhedral Boron Hybrides in Use: Current Status and Perspectives, Igor B. Sivaev, Vladimir I. Bregadze, This book is designed to highlight the current status and perspectives of application of polyhedral boron compounds and their metal complexes. The main attention is paid to application of polyhedral boron hydrides in medicine including boron neutron capture therapy for cancer, radionuclide diagnostics and therapy, as well as anti-tumour activity of some metal derivatives of carboranes. Boron neutron capture therapy - a binary cancer treatment based upon the interaction of two relatively harmless species, a ^{10}B nucleus and a thermal neutron, which results in the formation of the highly energetic ^4He and ^7Li as products. These fission products have an effective range of ~ 10 μm in tissue, thus, effectively limiting the extent of cellular damage to approximately one cell diameter. Therefore, the selective concentration of boron compounds within the tumour cells, followed by their capturing of thermal neutrons, should result in localised destruction of the malignant cells in the presence of the normal cells. Another possible medical application of polyhedral boron hydrides is radionuclide diagnostics and therapy of cancer, where these compounds can be used for attachment of radionuclide labels to various cancer-targeting biomolecules. Other fields of potential application of polyhedral boron hydrides and their metal complexes are synthesis of new materials (liquid crystals, NLO materials, magnets, semiconductors, etcetera), radionuclide extraction from nuclear wastes, ion-selective electrodes, production of thermally stable polymers and high burning composite propellants, development of new catalysts for organic synthesis.



[Read Polyhedral Boron Hybrides in Use: Current Status and Perspectives Online](#)



[Download PDF Polyhedral Boron Hybrides in Use: Current Status and Perspectives](#)



[Download ePub Polyhedral Boron Hybrides in Use: Current Status and Perspectives](#)

Other eBooks



[PDF] If I Were You (Science Fiction & Fantasy Short Stories Collection) (English and English Edition)

Follow the link under to download and read "If I Were You (Science Fiction & Fantasy Short Stories Collection) (English and English Edition)" PDF document.

[Read Book »](#)



[PDF] Read Write Inc. Phonics: Orange Set 4 Storybook 2 I Think I Want to be a Bee

Follow the link under to download and read "Read Write Inc. Phonics: Orange Set 4 Storybook 2 I Think I Want to be a Bee" PDF document.

[Read Book »](#)



[PDF] Read Write Inc. Phonics: Grey Set 7 Storybook 3 I Dare You

Follow the link under to download and read "Read Write Inc. Phonics: Grey Set 7 Storybook 3 I Dare You" PDF document.

[Read Book »](#)



[PDF] Read Write Inc. Phonics: Green Set 1 Non-Fiction 4 What am I?

Follow the link under to download and read "Read Write Inc. Phonics: Green Set 1 Non-Fiction 4 What am I?" PDF document.

[Read Book »](#)



[PDF] What is in My Net? (Pink B) NF

Follow the link under to download and read "What is in My Net? (Pink B) NF" PDF document.

[Read Book »](#)



[PDF] I Learn, I Speak: Basic Skills for Preschool Learners of English and Chinese

Follow the link under to download and read "I Learn, I Speak: Basic Skills for Preschool Learners of English and Chinese" PDF document.

[Read Book »](#)

**[PDF] Where Is My Mommy?: Children s Book**

Access the web link under to read "Where Is My Mommy?: Children s Book" PDF file.

[Save eBook »](#)

**[PDF] I Wonder Why Columbus Crossed Ocean and Other Questions About Explorers**

Access the web link under to read "I Wonder Why Columbus Crossed Ocean and Other Questions About Explorers" PDF file.

[Save eBook »](#)

**[PDF] I Want to Thank My Brain for Remembering Me: A Memoir**

Access the web link under to read "I Want to Thank My Brain for Remembering Me: A Memoir" PDF file.

[Save eBook »](#)

**[PDF] Help! I'm a Granny**

Access the web link under to read "Help! I'm a Granny" PDF file.

[Save eBook »](#)

**[PDF] Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 2: I am Kipper (Hardback)**

Access the web link under to read "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 2: I am Kipper (Hardback)" PDF file.

[Save eBook »](#)

**[PDF] I m Thankful For.: A Book about Being Grateful!**

Access the web link under to read "I m Thankful For.: A Book about Being Grateful!" PDF file.

[Save eBook »](#)