



Carbon-Based Superconductors: Towards high-TC Superconductivity (Hardback)

By-

Pan Stanford Publishing Pte Ltd, Singapore, 2014. Hardback. Book Condition: New. 226 x 154 mm. Language: English . Brand New Book. Superconductors (SCs) are attractive materials in all respects for any community. They provide a deep insight into the physical properties of the condensed matters and also have useful applications as ultra-low-power-dissipation systems that can help resolve the present energy problems. In particular, the recent advancement of carbon-based new superconductors (CNSCs) is significant. Before 2004, the superconducting transition temperature (Tc) of carbon-based SCs was below 1 K, except in fullerene clusters. However, in 2004, a Russian group discovered that diamond highly doped with boron could be an SC at Tc = 4 K. The following year, a group from Cambridge found that calcium-intercalated graphite could be an SC with Tc = 11.5 K. In 2006 and 2008, the editor s group from Japan also discovered that carbon nanotubes could be SCs at Tc = 12 K. Since then, research on CNSCs has increased notably. A small mass of carbon can produce high phonon frequency and high Debye temperature. Combining these with other specified properties of CNSCs (such as one-dimensional electronic states) is highly expected to open doors to high-Tc superconductivity...



Reviews

It becomes an amazing pdf which i actually have at any time read through. This can be for all those who statte there had not been a worthy of reading through. You wont sense monotony at anytime of your own time (that's what catalogues are for relating to should you check with me).

-- Claud Kris

If you need to adding benefit, a must buy book. It is writter in easy words and phrases and not difficult to understand. Your daily life span is going to be transform when you complete reading this article publication.

-- Ricky Leannon

Relevant Books



Penelope s English Experiences (Dodo Press) (Paperback)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 226 x 148 mm. Language: English . Brand New Book ***** Print on Demand *****. Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She was born in Philadelphia,...



Polly Oliver's Problem: A Story for Girls (Paperback)

The Wildhern Press, United Kingdom, 2008. Paperback. Book Condition: New. 226 x 152 mm. Language: English. Brand New Book ***** Print on Demand *****. Kate Douglas Wiggin was an American children's author and educator. She was born in Philadelphia of Welsh...



Mother Carey s Chickens (Dodo Press) (Paperback)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 228 x 154 mm. Language: English . Brand New Book ***** Print on Demand *****. Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She was born in Philadelphia,...



From Kristallnacht to Israel: A Holocaust Survivor s Journey (Paperback)

Dog Ear Publishing, United States, 2009. Paperback. Book Condition: New. 226 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. In the 1930s, as evil begins to envelope Europe, Karl Rothstein is born in Austria. As his life...



Children's Rights (Dodo Press) (Paperback)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 226 x 150 mm. Language: English . Brand New Book ***** Print on Demand *****. Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She was born in Philadelphia,...



Meet Trouble: Slipcase (Paperback)

Penguin Putnam Inc, United States, 2013. Paperback. Book Condition: New. 230 x 154 mm. Language: English . Brand New Book. A brand-new series for brand-new readers!Introducing a new series for brand-new readers! Each slipcase includes two 16-page paperback books, both on an...