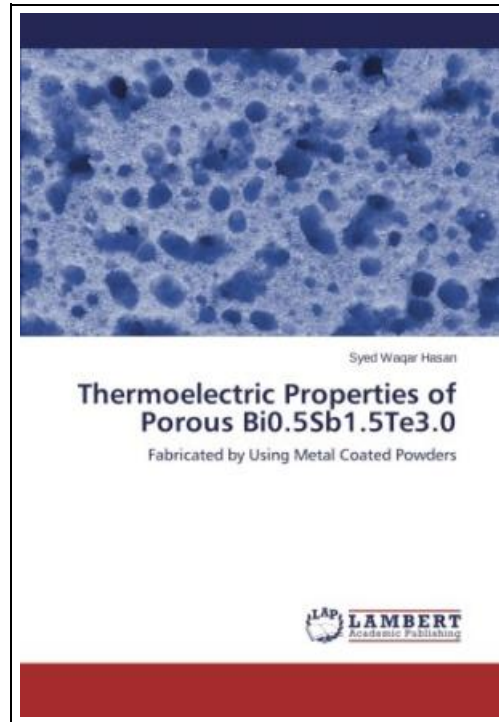


Thermoelectric Properties of Porous Bi0.5Sb1.5Te3.0



Filesize: 4.54 MB

Reviews

*It is just one of the most popular ebook. It usually fails to price an excessive amount of. You will not really feel monotony at any moment of your time (that's what catalogues are for about when you check with me).
(Matteo Torp)*

THERMOELECTRIC PROPERTIES OF POROUS Bi_{0.5}Sb_{1.5}Te_{3.0}



To read **Thermoelectric Properties of Porous Bi_{0.5}Sb_{1.5}Te_{3.0}** eBook, remember to follow the web link below and save the file or have access to additional information that are related to THERMOELECTRIC PROPERTIES OF POROUS Bi_{0.5}Sb_{1.5}Te_{3.0} book.

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Fabricated by Using Metal Coated Powders | This research presents a novel technique to enhance thermoelectric properties of p-type Bi_{0.5}Sb_{1.5}Te_{3.0} (BST) polycrystalline materials by producing nano-to-micro sized porous structures in bulk samples. We initially coated BST powder with Tellurium nanowires. Thus, we designed a fast and inexpensive technique to synthesize Tellurium Nanowires with diameters ranging from 10 150 nm. There is a huge possibility to generalize this technique for chalcogenide nanowires growth. Porosity was dispersed in the SPS-ed pellets by vacuum evaporation of the coated Tellurium. The prevailing challenge in Pore generation is to control pore dimensions. In this research micro-to-nano sized pores are reported. Thermoelectric properties were significantly enhanced by porosity. Pore-BST interfaces, proved to be efficient phonon scattering centers, reduce lattice thermal conductivity down to 0.1 0.2 W/m.K. The overall ZT was 18% higher than the reference samples. X-Ray Diffraction, Field Emission Scanning Electron Microscopy (FE-SEM) and Energy Dispersive X-Ray Spectroscopy were used to study the structural and morphological features of our samples. | Format: Paperback | Language/Sprache: english | 88 pp.



[Read Thermoelectric Properties of Porous Bi_{0.5}Sb_{1.5}Te_{3.0} Online](#)



[Download PDF Thermoelectric Properties of Porous Bi_{0.5}Sb_{1.5}Te_{3.0}](#)

You May Also Like



[PDF] **Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)**

Access the hyperlink under to read "Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)" file.

[Read Document »](#)



[PDF] **Becoming Barenaked: Leaving a Six Figure Career, Selling All of Our Crap, Pulling the Kids Out of School, and Buying an RV We Hit the Road in Search Our Own American Dream. Redefining What It Meant to Be a Family in America.**

Access the hyperlink under to read "Becoming Barenaked: Leaving a Six Figure Career, Selling All of Our Crap, Pulling the Kids Out of School, and Buying an RV We Hit the Road in Search Our Own American Dream. Redefining What It Meant to Be a Family in America." file.

[Read Document »](#)



[PDF] **No Friends?: How to Make Friends Fast and Keep Them**

Access the hyperlink under to read "No Friends?: How to Make Friends Fast and Keep Them" file.

[Read Document »](#)



[PDF] **Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade**

Access the hyperlink under to read "Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade" file.

[Read Document »](#)



[PDF] **Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Access the hyperlink under to read "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications ." file.

[Read Document »](#)



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

Access the hyperlink under to read "Read Write Inc. Phonics: Orange Set 4 Storybook 2 I Think I Want to be a Bee" file.

[Read Document »](#)