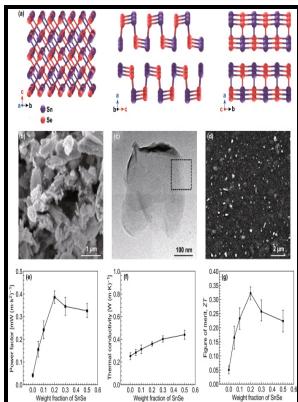


# Thermoelectric properties of Si-based two dimensional structures

typescript - Phys. Rev. B 53, 6605 (1996)



Description: -

- Thermoelectric properties of Si-based two dimensional structures

- Thermoelectric properties of Si-based two dimensional structures

Notes: Thesis (Ph.D.) - University of Warwick, 2000.

This edition was published in 2000



Filesize: 67.83 MB

Tags: #Abstract: #(Invited) #The #Thermoelectric #Properties #of #Ge/SiGe #Based #Superlattices: #from #Materials #to #Energy #Harvesting #Modules #(2014 #ECS and #SMEQ #Joint #International #Meeting #(October #5

## Thermoelectric Properties of Ce0.09Fe0.67Co3.33Sb12/FeSb2Te Multi

The structural, mechanical, electronic, thermoelectric efficiency, and optical properties of XSb monolayers are studied.

## Recent Progress of Two

In all cases the Ref. We demonstrate that the lattice thermal conductivity can be effectively modulated by applying tensile strain.

**Abstract: (Invited) The Thermoelectric Properties of Ge/SiGe Based Superlattices: from Materials to Energy Harvesting Modules (2014 ECS and SMEQ Joint International Meeting (October 5**

Murgatroyd, Theory of space-charge-limited current enhanced by Frenkel effect.

## Bulk and Monolayer ZrS3 as Promising Anisotropic Thermoelectric Materials: A Comparative Study

In this article, we review recent advances in the study of the thermoelectric properties of 2D TMDs.

## Enhanced thermoelectric properties of two

The Seebeck coefficient of the bulk pellet pressed by the obtained In<sub>2</sub>Te<sub>3</sub> samples exhibits a remarkable enhancement about 43% over that of the reported corresponding thin film at room temperature.

## Thermoelectric and phonon transport properties of two

The lattice thermal conductivity K l relevant to phonon transport property plays an important role to determine the thermoelectric performance.

## **Solvothermal synthesis and thermoelectric properties of indium telluride nanostring**

A large Seebeck coefficient, large electrical conductivity, and low thermal conductivity are needed for high thermoelectric performance, but a low amount of charge carrier is required to improve the Seebeck coefficient, which reduces the electrical conductivity.

**Phys. Rev. Materials 4, 124007 (2020)**

Tinselenidene: a Two-dimensional Auxetic Material with Ultralow Lattice Thermal Conductivity and Ultrahigh Hole Mobility. Disordered zinc in Zn<sub>4</sub>Sb<sub>3</sub> with phonon-glass and electron-crystal thermoelectric properties.

## Related Books

- [Remarkable Beatrix Potter](#)
- [18 horas con Tejero](#)
- [Charles II to Lord Taaffe - letters in exile](#)
- [Just one pot - over 320 simple and delicious recipes, from hearty stews to tasty tagines](#)
- [Sea angling.](#)