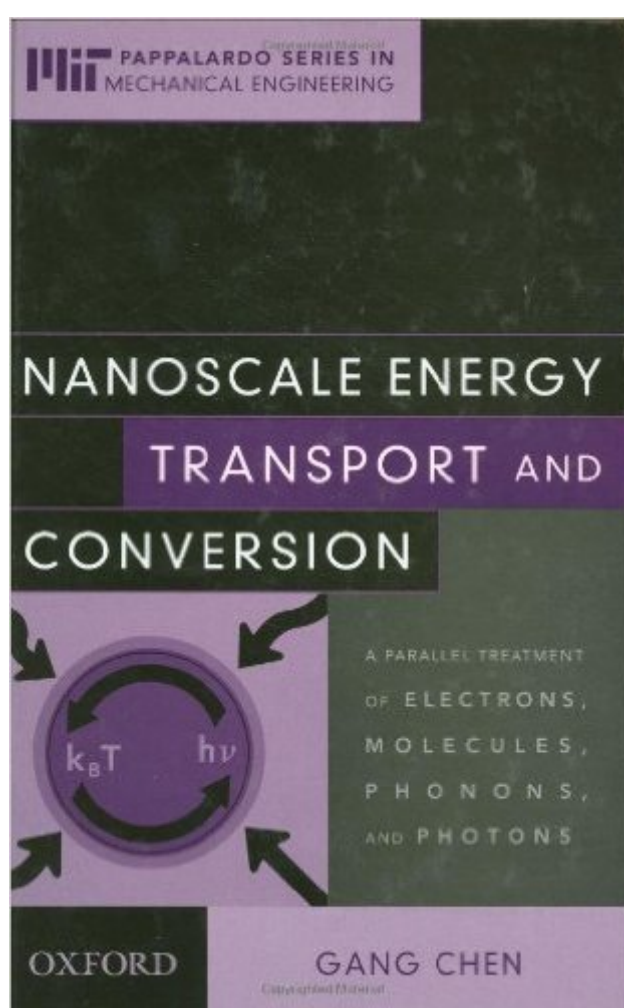


The book was found

# Nanoscale Energy Transport And Conversion: A Parallel Treatment Of Electrons, Molecules, Phonons, And Photons (MIT-Pappalardo Series In Mechanical Engineering)



## Synopsis

This is a graduate level textbook in nanoscale heat transfer and energy conversion that can also be used as a reference for researchers in the developing field of nanoengineering. It provides a comprehensive overview of microscale heat transfer, focusing on thermal energy storage and transport. Chen broadens the readership by incorporating results from related disciplines, from the point of view of thermal energy storage and transport, and presents related topics on the transport of electrons, phonons, photons, and molecules. This book is part of the MIT-Pappalardo Series in Mechanical Engineering.

## Book Information

Series: MIT-Pappalardo Series in Mechanical Engineering

Hardcover: 560 pages

Publisher: Oxford University Press; 1 edition (March 3, 2005)

Language: English

ISBN-10: 019515942X

ISBN-13: 978-0195159424

Product Dimensions: 9.3 x 1.3 x 6.4 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (4 customer reviews)

Best Sellers Rank: #562,255 in Books (See Top 100 in Books) #16 in [Books > Science & Math > Experiments, Instruments & Measurement > Electron Microscopes & Microscopy](#) #61 in [Books > Science & Math > Physics > Nuclear Physics > Atomic & Nuclear Physics](#) #71 in [Books > Science & Math > Physics > Nanostructures](#)

## Customer Reviews

Great book! It covers a wide range of topics in a naturally interconnected way. I'm studying material science, but the book is written in a way that would benefit EEs, MEs, chemists, physicist.... I'm reading it with Kittel's solid state physics, Sze's Semiconductor device and technology, and griffith's Electrodynamics. They complement each other well!

Best ever I've read. Very good for research graduate students in areas of materials of engineering and technology. Very helpful!

This book is very useful for my research work. Although the first few chapters are summaries of

what one learns in different courses, the "parallel treatment" is a good concept. And the last few chapters are getting deeper.

Great book to supplement a nanoscale heat transfer course. The text is laid out in a way that it is very readable and you are able to teach yourself the material.

[Download to continue reading...](#)

Nanoscale Energy Transport and Conversion: A Parallel Treatment of Electrons, Molecules, Phonons, and Photons (MIT-Pappalardo Series in Mechanical Engineering) Shocking Electrons: What a Second Grader Finds Interesting about Electrons, Atoms, and Molecules Energy Audit of Building Systems: An Engineering Approach, Second Edition (Mechanical and Aerospace Engineering Series) Practice Problems for the Mechanical Engineering PE Exam, 13th Ed (Comprehensive Practice for the Mechanical Pe Exam) Demystifying Opioid Conversion Calculations: A Guide for Effective Dosing (McPherson, Demystifying Opioid Conversion Calculations) ASTNA Patient Transport: Principles and Practice, 4e (Air & Surface Patient Transport: Principles and Practice) Master The Mechanical Aptitude and Spatial Relations Test (Mechanical Aptitude and Spatial Relations Tests) Principles And Practice of Mechanical Ventilation, Third Edition (Tobin, Principles and Practice of Mechanical Ventilation) Barron's Mechanical Aptitude and Spatial Relations Test, 3rd Edition (Barron's Mechanical Aptitude & Spatial Relations Test) The Crystal Lattice: Phonons, Solitons, Dislocations, Superlattices Applied Bohmian Mechanics: From Nanoscale Systems to Cosmology ITI Treatment Guide, Volume 3: Implant Placement in Post-Extraction Sites: Treatment Options (ITI Treatment Guides) Parallel Scientific Computing in C++ and MPI: A Seamless Approach to Parallel Algorithms and their Implementation Parallel Programming: Techniques and Applications Using Networked Workstations and Parallel Computers (2nd Edition) Introduction to Parallel Computing: Design and Analysis of Parallel Algorithms Short Stories in Spanish: New Penguin Parallel Text (New Penguin Parallel Texts) (Spanish and English Edition) Parallel Programming with Intel Parallel Studio XE Learn German: Parallel Text - Easy, Funny Stories (German - English) - Bilingual (Learning German with Parallel Text Book 1) Learn German III: Parallel Text - Easy Stories (German - English) Bilingual - Dual Language (Learning German with Parallel Text 3) (German Edition) Renewable Energy Made Easy: Free Energy from Solar, Wind, Hydropower, and Other Alternative Energy Sources

[Dmca](#)