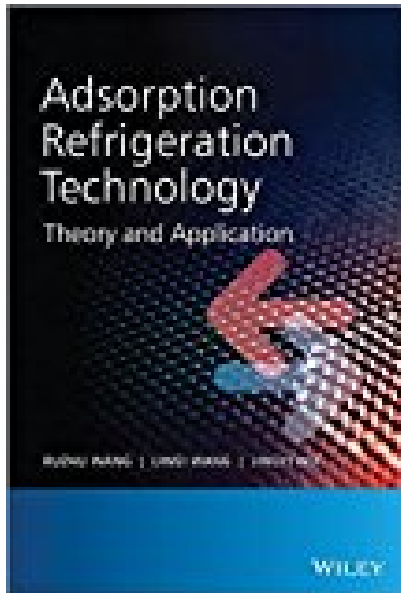


# Adsorption Refrigeration Technology Theory and Application

---



## BOOK DETAILS

- Author : Ruzhu Wang
- Pages : 550 Pages
- Publisher : Wiley
- Language : English
- ISBN : 1118197437

[↓ DOWNLOAD](#)

## **BOOK SYNOPSIS**

Gives readers a detailed understanding of adsorption refrigeration technology, with a focus on practical applications and environmental concerns. Systematically covering the technology of adsorption refrigeration, this book provides readers with a technical understanding of the topic as well as detailed information on the state-of-the-art from leading researchers in the field. Introducing readers to background on the development of adsorption refrigeration, the authors also cover the development of adsorbents, various thermodynamic theories, the design of adsorption systems and adsorption refrigeration cycles. The book guides readers through the research process, covering key aspects such as: the principle of adsorption refrigeration; choosing adsorbents according to different characteristics; thermodynamic equations; methods for the design of heat exchangers for adsorbents; and the advanced adsorption cycles needed. It is also valuable as a reference for professionals working in these areas. Covers state-of-the-art of adsorption research and technologies for relevant applications, working from adsorption working pairs through to the application of adsorption refrigeration technology for low grade heat recovery. Assesses sustainable alternatives to traditional refrigeration methods, such as the application of adsorption refrigeration systems for solar energy and waste heat. Includes a key chapter on the design of adsorption refrigeration systems as a tutorial for readers new to the topic; the calculation models for different components and working processes are also included. Takes real-world examples giving an insight into existing products and installations and enabling readers to apply the knowledge to their own work. Academics researching low grade energy utilization and refrigeration; Graduate students of refrigeration and low grade energy utilization; Experienced engineers wanting to renew knowledge of adsorption technology; Engineers working at companies developing adsorption chillers; Graduate students working on thermally driven systems; Advanced undergraduates for the Refrigeration Principle as a part of thermal driven refrigeration technology.

### **ADSORPTION REFRIGERATION TECHNOLOGY THEORY AND APPLICATION**

- Are you looking for Ebook Adsorption Refrigeration Technology Theory And Application? You will be glad to know that right now Adsorption Refrigeration Technology Theory And Application is available on our online library. With our online resources, you can find Applied Numerical Methods With Matlab Solution Manual 3rd Edition or just about any type of ebooks, for any type of product. Best of all, they are entirely free to find, use and download, so there is no cost or stress at all. Adsorption Refrigeration Technology Theory And Application may not make exciting reading, but Applied Numerical Methods With Matlab Solution Manual 3rd Edition is packed with valuable instructions, information and warnings. We also have many ebooks and user guide is also related with Adsorption Refrigeration Technology Theory And Application and many other ebooks. We have made it easy for you to find a PDF Ebooks without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with Adsorption Refrigeration Technology Theory And Application. To get started finding Adsorption Refrigeration Technology Theory And Application, you are right to find our website which has a comprehensive collection of manuals listed.