Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology)

Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology)

Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology)

This multi-authored book provides a comprehensive overview of the latest developments in porous CO_2 capture materials, including ionic liquid–derived carbonaceous adsorbents, porous carbons, metal-organic frameworks, porous aromatic frameworks, micro porous organic polymers. It also reviews the sorption techniques such as cyclic uptake and desorption reactions and membrane separations. In each category, the design and fabrication, the comprehensive characterization, the evaluation of CO_2 sorption/separation and the sorption/degradation mechanism are highlighted. In addition, the advantages and remaining challenges as well as future perspectives for each porous material are covered.

This book is aimed at scientists and graduate students in such fields as separation, carbon, polymer, chemistry, material science and technology, who will use and appreciate this information source in their research. Other specialists may consult specific chapters to find the latest, authoritative reviews.

Dr. An-Hui Lu is a Professor at the State Key Laboratory of Fine Chemicals, School of Chemical Engineering, Faculty of Chemical, Environmental and Biological Science and Technology, Dalian University of Technology, China.

Dr. Sheng Dai is a Corporate Fellow and Group Leader in the Chemical Sciences Division at Oak Ridge National Laboratory (ORNL) and a Professor of Chemistry at the University of Tennessee, USA.

Download and Read Free Online Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology)

From reader reviews:

Ethel Fung:

Have you spare time for any day? What do you do when you have a lot more or little spare time? Yes, you can choose the suitable activity for spend your time. Any person spent their spare time to take a wander, shopping, or went to the actual Mall. How about open or perhaps read a book called Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology)? Maybe it is to get best activity for you. You recognize beside you can spend your time along with your favorite's book, you can smarter than before. Do you agree with the opinion or you have different opinion?

Betty Walsh:

Now a day those who Living in the era everywhere everything reachable by connect to the internet and the resources in it can be true or not need people to be aware of each details they get. How many people to be smart in receiving any information nowadays? Of course the answer is reading a book. Reading through a book can help folks out of this uncertainty Information mainly this Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology) book because book offers you rich info and knowledge. Of course the data in this book hundred per cent guarantees there is no doubt in it as you know.

Alan Robert:

Reading a reserve can be one of a lot of activity that everyone in the world enjoys. Do you like reading book therefore. There are a lot of reasons why people love it. First reading a e-book will give you a lot of new data. When you read a publication you will get new information due to the fact book is one of a number of ways to share the information or perhaps their idea. Second, studying a book will make you actually more imaginative. When you reading through a book especially fictional works book the author will bring one to imagine the story how the personas do it anything. Third, you can share your knowledge to other folks. When you read this Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology), you could tells your family, friends and soon about yours e-book. Your knowledge can inspire the others, make them reading a e-book.

Janice Evans:

Don't be worry should you be afraid that this book will filled the space in your house, you can have it in e-book way, more simple and reachable. This particular Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology) can give you a lot of close friends because by you looking at this one book you have issue that they don't and make a person more like an interesting person. This particular book can be one of a step for you to get success. This e-book offer you information that perhaps your friend doesn't understand, by knowing more than some other make you to be great individuals. So , why hesitate? Let me have Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology).

Read Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology) for online ebook

Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology) Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology) books to read online.

Online Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology) ebook PDF download

Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology) Doc

Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology) Mobipocket

Porous Materials for Carbon Dioxide Capture (Green Chemistry and Sustainable Technology) EPub