



Dynamics of Adsorptive Systems for Heat Transformation

By Alessio Sapienza

Springer-Verlag GmbH Mrz 2018, 2018. Buch. Condition: Neu. Neuware - This book investigates the adsorption dynamics of water, methanol, ethanol, and ammonia vapor on loose and consolidated adsorbent beds, as well as the impact of this aspect on the overall performance of adsorption systems for heat transformation. In particular, it presents the results of kinetic measurements made using the large temperature jump (LTJ) method, the most efficient way to study adsorption dynamics under realistic operating conditions for adsorptive heat transformers. The information provided is especially beneficial for all those working on the development of novel adsorbent materials and advanced adsorbents for heating and cooling applications. Today, technologies and systems based on adsorption heat transformation (AHT) processes offer a fascinating option for meeting the growing worldwide demand for air conditioning and space heating. Nevertheless, considerable efforts must still be made in order to enhance performance so as to effectively compete with commonly used electrical compression and absorption machines. For this purpose, intelligent design for adsorption units should above all focus on finding a convenient choice of adsorbent material by means of a comprehensive analysis that takes into account both thermodynamic and dynamic aspects. While the thermodynamic properties of the AHT cycle have...



READ ONLINE
[8.21 MB]

Reviews

Completely essential read through publication. It normally does not expense excessive. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Morris Cruickshank**

A brand new e book with a brand new standpoint. I have read through and that i am certain that i am going to gonna go through again once more in the future. Its been developed in an remarkably simple way in fact it is merely right after i finished reading through this book in which basically modified me, modify the way in my opinion.

-- **Prof. Llewellyn Thiel**

You May Also Like



A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half

Createspace, United States, 2014. Paperback. Book Condition: New. 251 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.The ultimate learn-by-doing approachWritten for beginners, useful for experienced developers who want to sharpen their skills and don't mind...



A Smarter Way to Learn JQuery: Learn It Faster. Remember It Longer.

Createspace Independent Publishing Platform, United States, 2016. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.You're going to get the hang of jQuery in less time than you might expect. And the...



Super Easy Storytelling The fast, simple way to tell fun stories with children

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 24 pages. Dimensions: 9.9in. x 8.0in. x 0.2in. Instantly start telling stories with kids. Great for spontaneous storytelling or for creative writing lessons. Super simple storytelling formula and...



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)

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Getting Your FREE Bonus Download this book, read it to the end and see BONUS: Your FREE Gift chapter after...



California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package

Pearson, United States, 2015. Loose-leaf. Book Condition: New. 10th. 249 x 201 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for...



Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package

Pearson, United States, 2015. Book. Book Condition: New. 10th. 250 x 189 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for...