Adsorption Science And Technology Prodeedings Of The Second Pacific Basin Conference On Adsorption

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Biomass, a Growth Opportunity in Green Energy and Value-added Products : Proceedings of the 4th Biomass Conference of the Americas - R. P. Overend 1999

Proceedings of the Japan Academy - Nihon Gakushiin 2001

Proceedings ... A & WMA Annual Meeting - Air & Waste Management Association. Meeting 1992

Proceedings of the Third Pacific Basin Conference on Adsorption Science and Technology, Kyongju, Korea, May 25-29, 2003 - Chang-Ha Lee 2003
This book presents the latest research on adsorption science and technology. It serves as an excellent reference for research in areas such as fundamentals of adsorption and ion exchange (equilibria and kinetics), new materials, adsorption characterization, novel processes, energy and environmental processes.
Directory of Published Proceedings - 2002

Proceedings, the Third Russian-Korean International Symposium on Science and Technology - 1999

Proceedings - 1996

Adsorption: Science and Technology - A.E. Rodrigues 2011-10-05
Proceedings of the NATO Advanced Study Institute, Vimeiro, Portugal, July 17-29, 1988
Advances in Vacuum Science and Technology - Émile Thomas 1960

Proceedings from the Ninth International Zeolite Conference, Montreal, 1992 - Roland von Ballmoos 1992

Acid-Base Interactions - Kashmiri Lal Mittal 1991-12
This book chronicles the proceedings of the Symposium on Acid-Base Interactions: Relevance to Adhesion Science and Technology held on the occasion of the 75th birthday of Professor Frederick M. Fowkes as a part of the 64th Colloid and Surface Science Symposium held at Lehigh University, June 18--20, 1990. The book contains 22 papers which are divided into three sections. Topics covered include: Acid-base concepts: historical account, current status, and prospects for the future; quantum-mechanical approach to understanding acid-base interactions at metal-polymer interfaces; assessment of acidbase interactions at solid-liquid

interfaces; quantitative characterization of the acid-base properties of solvents, polymers and inorganic surfaces (overview by Professor Fowkes); acid-base characteristics of a variety of solid materials (clay minerals, carbon fibers, glass fibers, silicas, metals, polymers); acid-base interactions in wetting; applications of acid-base interactions in a variety of situations, e.g. in the adhesion of polymers to metallic and ceramic substrates, mechanical properties of wood, properties of filled polymers, and behavior of fiber-reinforced polymer composites.

Zeolites: Science and Technology - C. Naccache 1984-01-31

Proceedings of the NATO Advanced Study Institute on Zeolites: Science and Technology, Alcabideche, Portugal, May 1-12, 1983

IRC-SET 2020 - Huaqun Guo 2021-05-11

This book highlights leading-edge research in multi-disciplinary areas in Physics, Engineering, Medicine, and Health care, from the 6th IRC Conference on Science, Engineering and Technology (IRC-SET 2020) held in July 2020 at Singapore. The papers were shortlisted after extensive rounds of reviews by a panel of esteemed individuals who are pioneers in their domains. The book also contains excerpts of the speeches by eminent personalities who graced the occasion, thereby providing written documentation of the event.

First International Congress on Adhesion Science And Technology---invited Papers - W. J. Van Ooij 1998-12

This Festschrift documents the Proceedings of the First International Congress on Adhesion Science and Technology, held in honor of Dr. Kash Mittal on the occasion of his 50 birthday, in Amsterdam, The Netherlands, October 16-20, 1995. It contains the full accounts of the plenary and invited lectures, which are divided into the following seven parts: Part 1: Fundamental aspects of adhesion and general topics; Part 2: Contact angle, wettability and surface energetics; Part 3: Surface modification: Relevance to adhesion; Part 4: Adhesives and adhesive joints; Part 5: Adhesion aspects of polymeric coatings, and polymer-polymer interphase; Part 6: Metal-polymer and metal-ceramic adhesion; and Part 7: General papers. The topics covered include many different aspects of adhesion science and technology, and both fundamental and applied issues are addressed. The final section of this volume gives a listing of titles, authors and affiliations of the other 185 papers which were included in the technical program of the conference.

Proceedings of the 3rd International Conference on Separation Technology - Muhammad Abbas Ahmad Zaini 2021-05-24

This book contains papers presented in the 3rd International Conference on Separation Technology 2020 (ICoST 2020) held from 15 to 16th August 2020 at Johor, Malaysia. This proceeding contains papers presented by academics and industrial practitioners showcasing the latest advancements and findings in field of separation technology. The papers are categorized under the following tracks and topics of research: Environment Engineering Biotechnology Absorption and Adsorption Technology Wastewater Treatment ICoST 2020 covers multidisciplinary perspectives on separation research and aims to promote scientific information interchange between academics, researchers, graduates and industry professionals worldwide. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

Proceedings of 2014 International Conference on Material Science and Engineering - Ping Chen 2014-10-01

Volume is indexed by Thomson Reuters CPCI-S (WoS). Collection of selected, peer reviewed papers from the 2014 International Conference on Material Science and Engineering, 8-9 August, 2014, Xi□an, Shanxi, China. The 97 papers are grouped as follows: Chapter 1: Energy, Environment Materials and Carbon-based materials, Chapter 2: Structural Materials and Functional Materials, Chapter 3: Nano-scale Materials Science, Chapter 4: Electrical Material Science and Technologies, Chapter 5: Optical, Magnetic and Spintronic Materials and Technologies.

Carbon Nanomaterials for Gas Adsorption - Maria Letizia Terranova 2012-11-27

Research in adsorption of gases by carbon nanomaterials has experienced considerable growth in recent years, with increasing

interest for practical applications. Many research groups are now producing or using such materials for gas adsorption, storage, purification, and sensing. This book provides a selected overview of some of the most interesting scientific results regarding the outstanding properties of carbon nanomaterials for gas adsorption and of interest both for basic research and technological applications. Topics receiving special attention in this book include storage of H, purification of H, storage of rare gases, adsorption of organic vapors, gas trapping and separation, and metrology of gas adsorption.

Adsorption Analysis: Equilibria And Kinetics (With Cd Containing Computer Matlab Programs) - Duong D Do 1998-09-22

This book covers topics of equilibria and kinetics of adsorption in porous media. Fundamental equilibria and kinetics are dealt with for homogeneous as well as heterogeneous particles. Five chapters of the book deal with equilibria and eight chapters deal with kinetics. Single component as well as multicomponent systems are discussed. In kinetics analysis, we deal with the various mass transport processes and their interactions inside a porous particle. Conventional approaches as well as the new approach using Maxwell-Stefan equations are presented. Various methods to measure diffusivity, such as the Differential Adsorption Bed (DAB), the time lag, the diffusion cell, chromatography, and the batch adsorber methods are also covered by the book. It can be used by lecturers and engineers who wish to carry out research in adsorption. A number of programming codes written in MatLab language are included so that readers can use them directly to better understand the behavior of single and multicomponent adsorption systems.

Adsorption Technology and Design - W John Thomas, FEng 1998-04-27

The aim of this book is to provide all those involved in designing and running adsorption processes with a guide to adsorption technology and design.

Publications in Engineering - 2000

Proceedings ... Eastern Regional Conference and Exhibition - Society of Petroleum Engineers (U.S.) Eastern Regional Conference and Exhibition 1994

Adsorption Science and Technology - D. Do Duong 2000

This book is the proceedings of the second Pacific Basin Conference on Adsorption Science and Technology that was held May 14-18, 2000 in Brisbane, Australia.

Fundamentals of Adsorption - M. Douglas LeVan 2012-12-06

Fundamentals of Adsorption is the proceedings of the fifth International Conference on the Fundamentals of Adsorption, which was held on May 13-18, 1995 at the Asilomar Conference Center, Pacific Grove, California. This conference was organized completely under the auspices of the International Adsorption Society. It was attended by 196 participants from 24 countries. Members of the Scientific Advisory Board, together with the Conference Committee, selected papers for presentation from a large number of proposals involving an especially high level of international participation. The fundamental aspects of adsorption is a subject which has grown rapidly in recent years, drawing researchers from many disciplines including materials science, chemistry, physics, biochemistry and biotechnology, and chemical, civil, mechanical and environmental engineering. Fundamentals of Adsorption serves as an excellent reference and may be used as a primary text for a graduate level course on adsorption research or as a secondary text for a course on any of the disciplines mentioned above.

Water Pollution Research and Control, Brighton : Proceedings of the Fourteenth Biennial Conference of the International Association on Water Pollution Research and Control, Held in Brighton, U.K., 18-21 July, 1988 - International Association of Water Pollution Research and Control. Conference 1989

Proceedings of the Symposium on Advances in Science and Technology of Mineral Benefication in India, Bhabha Atomic Research Centre, ORE Dressing Section, AMD Complex, Hyderabad, December 3-5, 1981 - 1981

Proceedings of the 25th International Conference on the Physics

of Semiconductors Part I - Norio MIURA 2001-05-17
As the proceedings of the most important and prestigious conference in the field of semiconductor physics, this book contains the latest information on the progress of semiconductor physics. Almost 1000 contributed papers address the full range of current topics. The special symposium deals with the interface between the fundamentals and device applications and tries to predict the developments in semiconductor physics, semiconductor materials and device applications in the 21st century. A wide range of contributions represent the forefront of academic and industrial research.
Cumulative Book Index - 1996
A world list of books in the English language.
Proceedings of the ASME Advanced Energy Systems Division - American Society of Mechanical Engineers. Advanced Energy Systems Division 2004

Proceedings of the Conference on Petroleum Hydrocarbons and Organic Chemicals in Ground Water--Prevention, Detection, and Restoration, November 9-11, 1988, the Westin Galleria, Houston, Texas - 1988

Adsorption Science and Technology - Duong D Do 2000-04-06
This book presents the latest research on adsorption science and technology. It covers various aspects of materials, solid characterization, equilibria, kinetics determination and new processes. Contents:Cluster Mediated Filling of Water and Alcohol on Microporous Carbon Alloys (K Kaneko et al.)Direct Measurement of Transient Concentration Profiles in Molecular Sieve Particles and Columns by MRI (N Karsten-Bär et al.)Computer Simulation Studies of Wetting on Heterogeneous Surfaces (S Curtarolo et al.)New Adsorbents for Gas Separation by Weak Chemical Bonds (R T Yang)Measurement of Adsorbate Density Profiles in Activated Carbon with the Aid of 1H-MRI (F B Aarden et al.)Interaction Between Adsorption and Condensation Processes in a Pore-Relation Between Condensation Pressure and Pore Width (C Aharoni)Isosteric Heat: A Criterion for Equilibrium Model Selection (A Ahmadpour & D D Do)Adsorption Characteristics and Isotherm Relationships of Activated Carbons Developed from Lignite and Peat (S J Allen et al.)and other papers Readership: Engineers and scientists working in adsorption and separation science and engineering, as well as research students in chemical engineering and physical chemistry. Keywords:
Handbook of Porous Solids - Ferdi Schüth 2002

Recent Advances in the Science and Technology of Zeolites and Related Materials - 2004-12-18
Recent Advances in the Science and Technology of Zeolites and Related Materials
Proceedings of the XIX International Mineral Processing Congress - 1995

Proceedings of the Sixth International Zeolite Conference - David Olson 1984

Fundamentals of Adsorption - M Suzuki 1993-12-23
Fundamentals of Adsorption contains 2 plenary lectures and 96 selected papers from the IVth International Conference, Kyoto, May, 1992. The topics cover a wide range of studies from fundamentals to applications: characterization of porous adsorbents, molecular simulation, adsorption isotherms, diffusion in adsorbents, breakthrough detection, chromatography, pressure swing operation, etc. Model studies on adsorption, surface characterization, microporosimetry, molecular simulations of equilibrium and diffusion, computer simulation of adsorption beds, and many theoretical studies are also included. Special attention is given to: bulk gas separation and purification, solvent recovery, bioproduct separation, environmental pollution control, methane storage, adsorption cooling and resources recovery.
Proceedings of the Industrial Waste Conference - 1997

Advances in Particulate Technology - 1986

Index of Conference Proceedings - British Library. Document Supply Centre 2001

Proceedings of the ASCE Environmental Engineering Division Specialty Conference - 1982

Adsorption on Ordered Surfaces of Ionic Solids and Thin Films - Hans-Joachim Freund 2013-03-07
Adsorption on Ordered Surfaces of Ionic Solids and Thin Films introduces to a new and topical field of surface science for which rather little experience is available at present. It reviews the recent results of the employed analytical methods comprising all modern surface techniques including scanning tunneling microscopy and various kinds of electron spectroscopies. The present status of this new, clearly defined field of surface science is nearly completely overviewed by contributions from most of the research groups active in this field. The book is meant as a basis for the expected rapid development in this area with applications in catalysis, thin-film and semiconductor technology, sensors, electrochemistry, controlled preparation of ultrathin epitaxial surfaces, and interfaces of insultors as well as future molecular electronics.