1. Record Nr. UNISA996334247703316

Titolo	Journal of pharmaceutical science and clinical research
Pubbl/distr/stampa	Surakarta, Indonesia : , : Universitas Sebelas Maret, Pharmacy Department : , : Indonesian Pharmacist Association, , [2016]-
ISSN	2503-331X
Descrizione fisica	1 online resource
Soggetti	Pharmacology - Indonesia Pharmacology Pharmacy - Indonesia Pharmacy Periodicals. Zeitschrift Indonesia
Lingua di pubblicazione	Indonesiano
Formato	Materiale a stampa
Livello bibliografico	Periodico

2. Record Nr. UNINA9910254152603321

Titolo	Submicron Porous Materials / / edited by Paolo Bettotti
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	9783319530352
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XII, 346 p. 152 illus., 115 illus. in color.)
Disciplina	620.115
Soggetti	Nanotechnology Engineering—Materials Fluid mechanics Biotechnology Materials Engineering Engineering Fluid Dynamics Microengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Structured and Surface-Modified Carbon Xerogel Electrodes for Capacitive Deionization -- Carbon Gels and Their Applications: A Review of Patents -- Robust Mesoporous Polymers Derived from Cross-linked Block Polymer Precursors -- Melt-stretching Polyolefin Microporous Membrane -- AAO Templates with Different Patterns and Channel Shapes -- Porous Thin Film from Sol-Gel -- Synthesis Strategies and Emerging Catalytic Applications of Siliceous Materials with Hierarchically Ordered Porosity -- Porous Silicon: From Optical Sensor to Drug Delivery System -- Modeling Thermal Transport in Nanoporous Semiconductors -- Scale transition for Mass Transport in Porous Structures -- Positron Beam-Based Ortho-Positronium Porosimetry.
Sommario/riassunto	This book covers the latest research on porous materials at the submicron scale and inspires readers to better understand the porosity of materials, as well as to develop innovative new materials. A comprehensive range of materials are covered, including carbon-based

and organic-based porous materials, porous anodic alumina, silica, and titania-based sol-gel materials. The fabrication, characterization, and applications of these materials are all explored, with applications ranging from sensors, thermoelectrics, catalysis, energy storage, to photovoltaics. Also of practical use for readers are chapters that describe the basics of porous silicon fabrication and its use in optical sensing and drug delivery applications; how thermal transport is affected in porous materials; how to model diffusion in porous materials; and a unique chapter on an innovative spectroscopic technique used to characterize materials' porosity. This is an ideal book for graduate students, researchers, and professionals who work with porous materials.