

1. Record Nr.	UNINA9910437815403321
Titolo	Industrial and technological applications of transport in porous materials // J. M. P. Q. Delgado, editor
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, 2013
ISBN	9783642374692 3642374697
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (viii, 281 pages) : illustrations (some color)
Collana	Advanced structured materials, , 1869-8433 ; ; v. 36
Altri autori (Persone)	DelgadoJoao M. P. Q
Disciplina	620.116 621.4021
Soggetti	Porous materials - Industrial applications Transport theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"ISSN: 1869-8433."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	From the Contents: Air drying technologies applied to buildings treatment -- Cyclone: Their Characteristics and Drying Technological Applications -- Mass transport in growing porous media -- Filtration Processes and Design in Filters -- Infrared Thermography in Buildings -- A Review -- Heat transfer behaviours of thermal energy storages for high temperature solar systems -- Recycling polyurethane foam and its use as a filler in thermal insulating mortar.
Sommario/riassunto	The purpose of this book, Industrial and Technological Applications of Transport in Porous Materials, is to provide a collection of recent contributions in the field of heat and mass transfer in porous media and their industrial and technological applications. The main benefit of the book is that it discusses some of the most important topics related to transport phenomenon in engineering and their future applications. It includes a set of new technological applications in the field of heat and mass transfer phenomena in a porous medium domain, such as, drying technology, filtration, infrared thermography, energy, recycling, etc. At the same time, these topics will be going to the encounter of a variety of scientific and engineering disciplines, such as chemical, civil, agricultural, mechanical engineering, etc. The book is divided in several chapters that intend to be a resume of the current state of knowledge

for benefit of professional colleagues.

---