1. Record Nr. UNINA990000388780403321

Titolo	TECHNIQUES of Chemistry. Vol. 11 : Contemporary Liquid Chromatography / Edited by R.P.W. Scott
Pubbl/distr/stampa	New York : Wiley Interscience, 1976
Descrizione fisica	35 voll., ill., 24 cm
Locazione	DINCH
Collocazione	04 080-47/11
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910350323703321

Titolo	Nanomaterials for Healthcare, Energy and Environment / / edited by Aamir Hussain Bhat, Imran Khan, Mohammad Jawaid, Fakhreldin O. Suliman, Haider Al-Lawati, Salma Muhamed Al-Kindy
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-9833-X
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (238 pages)
Collana	Advanced Structured Materials, , 1869-8441 ; ; 118
Disciplina	620.5
Soggetti	Nanotechnology Microtechnology Microelectromechanical systems Nanoscience Nanochemistry Microsystems and MEMS Nanophysics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto	Green/Biogenic Synthesis of nanoparticles -- Nanomaterials for photo-responsive materials -- Noble metal nanoparticles as energy storage materials -- Nanomaterials for fuel cell application -- Non-Invasive Analytics based System for Disease Monitoring -- Nanomaterials for oil & gas industry -- Nanomaterials for Food stability -- Antifungal property of biosynthesized nanoparticles -- Nano enhanced techniques for removal of dyes and metals -- Monitoring and detection of Microbes -- Nanomaterials in Environmental Analysis -- Nanodroplets and their Applications -- Green Nanofluids for Lubrication Applications -- Nanomaterials for Drug Delivery -- Supramolecules for Nanomaterial production.
Sommario/riassunto	This book highlights the various types of nanomaterials currently available and their applications in three major sectors: energy, health, and the environment. It addresses a range of aspects based on the fact that these materials' structure can be tailored at extremely small scales to achieve specific properties, thus greatly expanding the materials science toolkit. Further, the book pursues a holistic approach to nanomaterial applications by taking into consideration the various stakeholders who use them. It explores several applications that could potentially be used to improve the environment and to more efficiently and cost-effectively produce energy, e.g. by reducing pollutant production during the manufacture of materials, producing solar cells that generate electricity at a competitive cost, cleaning up organic chemicals that pollute groundwater, removing volatile organic compounds (VOCs) from the air, and so on. Given its scope, the book offersa valuable asset for a broad readership, including professionals, students, and researchers from materials science/engineering, polymer science, composite technology, nanotechnology, and biotechnology whose work involves nanomaterials and nanocomposites.