

1. Record Nr.	UNINA9910138272103321
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Titolo	Advances in composite materials for medicine and nanotechnology
Pubbl/distr/stampa	IntechOpen, 2011 [Place of publication not identified] : , : IntechOpen, , 2011 ©2011
ISBN	953-51-5993-3
Descrizione fisica	1 online resource (664 pages)
Soggetti	TECHNOLOGY & ENGINEERING / Nanotechnology & MEMS
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Due to their good mechanical characteristics in terms of stiffness and strength coupled with mass-saving advantage and other attractive physico-chemical properties, composite materials are successfully used in medicine and nanotechnology fields. To this end, the chapters composing the book have been divided into the following sections: medicine, dental and pharmaceutical applications; nanocomposites for energy efficiency; characterization and fabrication, all of which provide an invaluable overview of this fascinating subject area. The book presents, in addition, some studies carried out in orthopedic and stomatological applications and others aiming to design and produce new devices using the latest advances in nanotechnology. This wide variety of theoretical, numerical and experimental results can help specialists involved in these disciplines to enhance competitiveness and innovation.</p>