

1. Record Nr.	UNINA9910462345003321
Titolo	Functional nanofibres and their applications [[electronic resource] /] / edited by Qufu Wei
Pubbl/distr/stampa	Oxford ; ; Philadelphia, : Woodhead Pub. Ltd., c2012
ISBN	1-62870-064-5 0-85709-564-1
Descrizione fisica	1 online resource (447 p.)
Collana	Woodhead Publishing series in textiles, , 2042-0803 ; ; no. 134
Altri autori (Persone)	WeiQ (Qufu)
Disciplina	620.1 620.1/127
Soggetti	Nanofibers Nanostructured materials Nanotechnology Textile fabrics Textile industry Nanoelectronics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"The Textile Institute."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Types and processing -- pt. 2. Applications.
Sommario/riassunto	Nanofibers are a flexible material with a huge range of potential applications in such areas as technical textiles. Functional nanofibers and their applications summarises key trends in the processing and applications of these exciting materials. Part one focuses on the types and processing of nanofibers. Beginning with an overview of the principles and techniques involved in their production, it goes on to review core-shell, aligned, porous and gradient nanofibers. The processing and application of composite functional nanofibers, carbon and polymer nanofiber reinforcements in polymer