

1. Record Nr.	UNINA9910462803803321
Titolo	Smart textiles for protection // edited by R.A. Chapman
Pubbl/distr/stampa	Cambridge, UK : , : Woodhead Publishing Limited, , 2013
ISBN	0-85709-762-8
Descrizione fisica	1 online resource (414 p.)
Collana	Woodhead Publishing series in textiles, , 2042-0803 ; ; number 133
Altri autori (Persone)	ChapmanR. A
Disciplina	687.162
Soggetti	Protective clothing Smart materials Textile fabrics Textile fabrics - Technological innovations Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	part I. Smart materials and technologies -- part II. Applications of smart textiles for protection.
Sommario/riassunto	Smart textiles are materials and structures that sense and react to environmental conditions or stimuli, and their integration into protective clothing has led to the development of products with greatly enhanced protective capabilities in hazardous situations. Smart textiles for protection provides a comprehensive analysis of smart materials used in producing protective textiles, and explores a wide range of end-use protective applications. Part one reviews smart materials and technologies. Beginning with an overview of smart textiles for protection, this section goes on to discuss typ