

1. Record Nr.	UNINA9910819748103321
Titolo	Peptide materials : from nanostructures to applications // edited by Carlos Aleman and Alberto Bianco and Mariano Venanzi
Pubbl/distr/stampa	Chichester [England], : Wiley, 2013
ISBN	1-118-59241-7 1-118-59240-9 1-299-44994-8 1-118-59242-5
Edizione	[First edition.]
Descrizione fisica	1 online resource (494 p.)
Altri autori (Persone)	AlemanCarlos BiancoAlberto VenanziMariano
Disciplina	572.65
Soggetti	Peptides
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	pt. 1. Fundamentals of peptide materials -- pt. 2. Peptide nanostructures -- pt. 3. Peptide conjugates and hybrid materials -- pt. 4. Applications of peptide materials.
Sommario/riassunto	Peptides are the building blocks of the natural world; with varied sequences and structures, they enrich materials producing more complex shapes, scaffolds and chemical properties with tailorable functionality. Essentially based on self-assembly and self-organization and mimicking the strategies that occur in Nature, peptide materials have been developed to accomplish certain functions such as the creation of specific secondary structures (a- or 310-helices, b-turns, b-sheets, coiled coils) or biocompatible surfaces with predetermined properties. They also play a key role in the generation