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Altri autori (Persone)	AlemanCarlos BiancoAlberto VenanziMariano
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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