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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	section I. Small molecule gels -- section II. Natural silk fibrous materials -- section III. Smart fibers.
Sommario/riassunto	As one of the most important classes of soft materials, supramolecular materials are of a mixture of networks of molecular chains/fibrils and a liquid. These self-assembled fibrous/ molecular architectures exhibit various functionalities, ie. superhydrophobicity or superior mechanical strength, etc. and consist of the controllable structures. They can be functioned via micro/nano engineering, to have some particular added functions, ie. emission materials, tissue engineering scaffolds, bio imaging and sensing materials etc. They have therefore found broad applications in photogr