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Nota di contenuto	Frontmatter -- Preface -- Contents -- List of contributing authors -- Chapter 1 Novel photoinitiating systems for 3D printing -- Chapter 2 New free radical and cationic photoinitiators for two-photon 3D printing -- Chapter 3 Functional dyes in light-induced 3D printing -- Chapter 4 Resin design in stereolithography 3D printing for microfluidic applications -- Chapter 5 3D printing of biomaterials -- Chapter 6 Photopolymerization and its application in 3D printing of customized objects -- Chapter 7 Dual wavelength systems in 3D printing -- Chapter 8 Functional 3D nanoprinting via femtosecond laser nonlinear lithography -- Chapter 9 3D printing mediated by photoRAFT polymerization process -- Chapter 10 Main challenges in 3D printing: Printing speed and biomedical applications -- Index
Sommario/riassunto	The book introduces fundamentals of 3D printing with light, photoinitiating system for 3D printing as well as resins. Plenty of applications, trends and prospects are also discussed, which make the book an essential reference for both scientists and industrial engineers in the research fields of photochemistry, polymer chemistry, rapid prototyping and photopolymerization.