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Titolo	Dendrimers : towards catalytic, material, and biomedical uses // Anne-Marie Caminade ... [et al.]
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Edizione	[1st ed.]
Descrizione fisica	1 online resource (558 p.) : ill
Altri autori (Persone)	CaminadeAnne-Marie
Disciplina	668.92
Soggetti	Dendrimers
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	Introduction : what are dendrimers and dendrons? -- Syntheses of poly(propyleneimine) dendrimers (PPI) -- Synthesis of poly(amidoamine) dendrimers (PAMAM) -- Syntheses of poly(ether) dendrimers -- Syntheses of poly(ester) dendrimers -- Synthesis of poly(lysine) dendrimers -- Syntheses of silicon-containing dendrimers -- Syntheses of phosphorus-containing dendrimers -- Syntheses of carbon-based dendrimers -- Syntheses of dendrimers constituted of nitrogen heterocycles -- Syntheses by self-assembly -- Accelerated syntheses.
Sommario/riassunto	This book will be mainly focussed on the properties and uses of dendrimers and dendrons. The aim of this book is to be the reference book about dendrimers applications. It will not describe all details, but it will give the reader a unique overview of what has currently been done with dendrimers, with numerous references and illustrations. It will be divided in four main parts: Part 1) Generalities, syntheses, characterizations and properties; Part 2) Applications in catalysis; Part 3) Applications for the elaboration or modification of materials; and Part 4) Applic

