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Nota di contenuto	Designing Dendrimers; CONTENTS; Preface; List of Contributors; 1 Dendrimers as quantized nano-modules in the nanotechnology field; 2 Novel methods for dendrimer synthesis; 3 Designer monomers to tailored dendrimers; 4 Dendronized polymers: state of the art in Zurich; 5 Shape persistent polyphenylene-based dendrimers; 6 Dendrimer chemistry with fullerenes; 7 Redox and fluorescent open core dendrimers; 8 Redox-active organometallic dendrimers as electrochemical sensors; 9 Shape-persistent conjugated dendrimers for organic electronics; 10 Fine-controlled metal assembly in dendrimers 11 Enlightening structure and properties of dendrimers by fluorescence depolarization12 Single-molecule spectroscopy of dendrimer systems; 13 Degradable dendrimers; 14 Porphyrin dendrimers as biological oxygen sensors; 15 Peptide dendrimers as artificial proteins; 16 Phosphorus-containing dendritic architectures: synthesis and applications; Index; Color Plates
Sommario/riassunto	Research on dendrimers has exploded in the last 15 years, moving

from the establishment of synthetic methodologies, particularly in the early years up to the end of nineties, towards sophisticated and wide-ranging applications. Dendrimers play an important role in many different areas, spanning from basic synthetic approaches to artificial photosynthesis, to medicine, to catalysis. The great potential of dendrimers is well-recognized by the hundreds of papers in the field and the increasing number of patents, and stimulated developments in other areas of knowledge, including new characterizati