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| Nota di contenuto | Modern Terpyridine Chemistry; Preface; Contents; 1 Introduction; References; 2 Syntheses of Functionalized 2,2 :6 ,2 -Terpyridines; 2.1 Introduction; 2.2 Basic Synthetic Strategies; 2.2.1 Ring Assembly; 2.2.2 Cross-Coupling Procedures; 2.3 Synthesis of 2,2 :6 ,2 -Terpyridine Derivatives; 2.3.1 4 -Substituted-2,2 :6 ,2 -Terpyridinoxy Derivatives; 2.3.2 4 -Aryl-Substituted 2,2 :6 ,2 -Terpyridines; 2.3.3 Other 4 -Functionalized 2,2 :6 2 -Terpyridines; 2.3.4 Unsymmetrically Terminally Substituted 2,2 :6 ,2 -Terpyridines; 2.3.5 Symmetrically Terminally Substituted 2,2 :6 ,2 -Terpyridines 2.3.6 Uniform All-Ring Substituted 2,2 :6 ,2 -Terpyridines 2.3.7 Multifunctional 2,2 :6 ,2 -Terpyridines with Variable Substituents; 2.4 Summary and Outlook; References; 3 Chemistry and Properties of Terpyridine Metal Complexes; 3.1 Introduction; 3.2 Synthetic Strategies; 3.2.1 Metal Complexes; 3.2.1.1 Ruthenium Complexes; 3.2.1.2 Other Luminescent Metal Complexes; 3.3 Mononuclear Bisterpyridine Ruthenium Complexes; 3.4 Chiral Complexes; References; 4 Metallo-Supramolecular Terpyridine Architectures; 4.1 |

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4.3 Supramolecular Assemblies 4.3.1 Grids and Racks; 4.3.2 Helicates;
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Sommario/riassunto

The first book to didactically illustrate this particular, prominent class of supramolecular building-blocks covers topics ranging from terpyridine syntheses, via their chemistry and properties, supramolecular structures, and multinuclear metal complexes, right up to functionalized polymers, 3D-architectures, and surfaces. Invaluable for students and lecturers in chemistry and biochemistry, materials scientists, as well as polymer, complex and physicochemists.
