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Nota di contenuto	Intro -- Supervisor's Foreword -- Acknowledgments -- Contents -- Abbreviations -- 1 General Introduction -- 1.1 Selective Synthesis of Metal Complexes -- 1.2 Target Scope of Kinetically Controlled Stepwise Synthesis -- 1.3 Overview of This Study -- References -- 2 Heterometallic CuIINi3II Complex -- 2.1 Introduction -- 2.2 Step 1: Complexation with a Redox-Active Metal -- 2.3 Step 2: Site-Selective Oxidation -- 2.4 Step 3: Site-Selective Transmetalation -- 2.5 Step 4: Reduction -- 2.6 Comparison with Other Strategies -- 2.7 Conclusions -- 2.8 Experimental Section -- 2.8.1 Materials and Methods -- 2.8.2 Synthesis of Compounds -- 2.8.3 Miscellaneous Experiments -- 2.8.4 Single-Crystal XRD Analyses -- References -- 3 Tetrahedral Chiral-at-Metal ZnII Complex -- 3.1 Introduction -- 3.2 Molecular Design -- 3.3 Strategy for Enantioselective Synthesis -- 3.4 Step 1: Racemic Complexation -- 3.5 Step 2: Asymmetric Induction with a Chiral Ligand -- 3.6 Step 3: Replacement of the Chiral Ligand -- 3.7 Configurational Stability -- 3.8 Enantioselective Catalysis -- 3.9 Conclusions -- 3.10 Experimental Section -- 3.10.1 Materials and Methods -- 3.10.2 Synthesis of the Ligand -- 3.10.3 Syntheses of the Metal Complexes -- 3.10.4 Single-Crystal X-Ray Diffraction Analyses -- 3.10.5 Miscellaneous Experiments -- References -- 4 Conclusions -- 4.1 Conclusions -- Curriculum Vitae -- Education -- Appointment -- Research Interest -- Major Awards -- Fellowship.

