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Alkenes; 21. Selective Reactions of Alkenes; Alkene and Alkyne Metathesis; 22. Developments in Alkene Metathesis; 23. Developments in Alkene and Alkyne Metathesis; 24. Advances in Alkene and Alkyne Metathesis; 25. Developments in Alkene Metathesis; 26. Alkene Metathesis: Synthesis of Kainic Acid, Pladienolide B and Amphidinolide Y; 27. Alkene and Alkyne Metathesis: Phaseolinic Acid (Selvakumar), Methyl 7-Dihydro-trioxacarcinocide B (Koert), Argabin (Reiser) and Amphidinolide V (Furstner)
28. Alkene Metathesis: Synthesis of Panaxytriol (Lee), Isofagomine (Imahori and Takahata), Elatol (Stoltz), 5-F[Sub(2t)]-Isoprostane (Snapper), and Ottelione B (Clive)
29. Total Synthesis by Alkene Metathesis: Amphidinolide X (Urpi/Vilarrasa), Dactylolide (Jennings), Cytotrienin A (Hayashi), Lepadine B (Charette), Blumiolide C (Altmann);
Enantioselective Construction of Acyclic Stereogenic Centers; 30. Enantioselective Assembly of Oxygenated Stereogenic Centers; 31. Enantioselective Assembly of Aminated Stereogenic Centers; 32. Enantioselective Preparation of Secondary Alcohols and Amines
33. Enantioselective Preparation of Alcohols and Amines
34. Enantioselective Synthesis of Alcohols and Amines; 35. Enantioselective Assembly of Alkylated Stereogenic Centers; 36. Enantioselective Construction of Alkylated Stereogenic Centers; 37. Enantioselective Construction of Alkylated Centers; 38. Enantioselective Construction of Alkylated Stereogenic Centers; 39. Stereocontrolled Construction of Arrays of Stereogenic Centers; 40. Enantioselective Construction of Arrays of Stereogenic Centers; 41. Stereocontrolled Construction of Arrays of Stereogenic Centers
42. Practical Enantioselective Construction of Arrays of Stereogenic Centers: The Jørgensen Synthesis of the Autoregulator IM-2

Sommario/riassunto

Organic synthesis is a vibrant and rapidly evolving field; we can now cyclize amines directly onto alkenes. Like the first two books in this series, this reference leads readers quickly to the most important recent developments.
