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Nota di contenuto	Cover; Contents; Preface; List of Contributors; List of Abbreviations; Chapter 1 General Ring-Closing Metathesis; 1.1 Introduction; 1.2 Carbocycles (Introduction); 1.2.1 Small-Sized Carbocycles; 1.2.2 Medium-Sized Carbocycles; 1.2.3 Spiro Carbocycles; 1.3 Synthesis of Bridged Bicycloalkenes; 1.4 Synthesis of Heterocycles Containing Si, P, S, or B; 1.4.1 Si-Heterocycles; 1.4.2 P-Heterocycles; 1.4.3 S- Heterocycles; 1.4.4 B-Heterocycles; 1.5 Synthesis of O-Heterocycles; 1.5.1 Small and Medium-Size Cyclic Ethers; 1.5.2 Polycyclic Ethers; 1.6 Synthesis of N-Heterocycles; 1.6.1 N-Heterocycles 1.6.2 Small and Medium-Sized Lactams 1.7 Synthesis of Cyclic Conjugated Dienes; 1.8 Alkyne Metathesis; 1.9 Enyne Metathesis; 1.9.1 General Enyne Metathesis; 1.9.2 Dienyne Metathesis; 1.10 Tandem Processes; 1.10.1 Tandem ROM/RCM; 1.10.2 Other Tandem RCMs; 1.11 Synthesis of Macrocycles; 1.11.1 Macrocycles; 1.11.2 Macrolactones; 1.11.3 Macrolactams; 1.12 RCM and Isomerization via Ru-H; 1.13 Relay RCM (RRCM); 1.14 Z-Selective RCM; 1.14.1 Substrate- Controlled Z-Selective RCM; 1.14.2 Catalyst-Controlled Z-Selective RCM; 1.15 Enantioselective RCM; 1.16 Conclusion; Acknowledgments; References

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Sommario/riassunto

The second edition of the "go-to" reference in this field is completely updated and features more than 80% new content, with emphasis on new developments in the field, especially in industrial applications. No other book covers the topic in such a comprehensive manner and in such high quality. Edited by the Nobel laureate R. H. Grubbs and D. J. O Leary, this volume 2 of the 3-volume work focusses on applications in organic synthesis. With a list of contributors that reads like a "Who's-Who" of metathesis, this is an indispensable one-stop reference for chemists in academia and industry.
