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Sommario/riassunto	The use of organoselenium reagents as catalysts is a common thread that runs through the chapters of this book, introducing important aspects of the modern organoselenium chemistry: organocatalysis, green chemistry, bioinspiration, antioxidant activity. The eBook covers the most recent developments in the classical synthetic application of organoselenium reagents such as electrophilic, nucleophilic and free radical reagents. The volume also features a discussion on the synthesis and the synthetic applications of some emerging classes of selenium compounds such as hypervalent selenium species a