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Nota di contenuto	; Pt. 1. Reactive intermediates. Tetrahedral intermediates derived from carbonyl compounds, pentacoordinate intermediates derived from phosphoryl and sulfonyl compounds, and concerted paths which avoid them / J. P. Guthrie ; Silicon-, germanium-, and tin-centered cations, radicals, and anions / V. Y. Lee ; and A. Sekiguchi. -- ; Pt. 2. Methods and applications. An introduction to time-resolved resonance Raman spectroscopy and its application to reactive intermediates / D. L. Phillips, W. M. Kwok, ; and C. Ma ; Time-resolved infrared (TRIR) studies of organic reactive intermediates / J. P. Toscano ; Studies of the thermochemical properties of reactive intermediates by mass spectrometric methods / P. G. Wenthold ; Reactive intermediates in combustion / J. K. Merle ; and C. M. Hadad ; Reactive intermediates in crystals: form and function / L. M. Campos ; and M. A. Garcia-Garibay ; The chemical reactions of DNA damage and degradation / K. S. Gates ; Conical intersection species as reactive intermediates / M. J. Bearpark ; and M. A. Robb ; Quantum mechanical tunneling in organic reactive

intermediates / R. S. Sheridan.

Sommario/riassunto

The chemistry of reactive intermediates is central to a modern mechanistic and quantitative understanding of organic chemistry. Moreover, it underlies a significant portion of modern synthetic chemistry and is integral to a molecular view of biological chemistry. *Reviews in Reactive Intermediate Chemistry* presents an up-to-date, authoritative guide to this fundamental topic. Although it follows *Reactive Intermediate Chemistry* by the same authors, it serves as a free-standing resource for the entire chemical and biochemical community. The book includes: Relevant, practical appli
