Record Nr. UNINA9910143401403321 Reviews of reactive intermediate chemistry [[electronic resource] /] / **Titolo** edited by Matthew S. Platz, Robert A. Moss, Maitland Jones, Jr Pubbl/distr/stampa Hoboken, N.J.,: Wiley-Interscience, c2007 **ISBN** 1-280-82710-6 9786610827107 0-470-12082-7 0-470-12081-9 Descrizione fisica 1 online resource (492 p.) Altri autori (Persone) PlatzMatthew MossRobert A JonesMaitland <1937-> Disciplina 547.2 547/.2 Soggetti Intermediates (Chemistry) Chemistry, Organic Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. 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

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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