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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Dynamics of photochemical reactions of organic carbonyls and their clusters -- Photoinduced bond cleavage as a probe of mode specificity and intramolecular dynamics in rovibrationally excited triatomic to 10 atom molecules -- Controlling quantum dynamics with assisted adiabatic processes -- From coherent to incoherent dynamical control of open quantum systems - Piecewise adiabatic passage in polarization optics: an achromatic polarization rotator -- Ultrafast and efficient control of coherent electron dynamics via SPODS -- Toward coherent control around the quantum-classical boundary -- Effects of electromagnetic fields on molecular scattering -- Quantum dynamics by partitioning technique -- Laser control of ultrafast molecular rotation.