

Molecular spectroscopy : a quantum chemistry approach

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Molecular Spectroscopy: A Quantum Chemistry Approach examines the recent progress made in the field of molecular spectroscopy; the state of the art of quantum chemistry for molecular spectroscopy; and more. It offers multiple chapters covering the application of quantum chemistry to: visible absorption and fluorescence, Raman spectroscopy, infrared spectroscopy, near-infrared spectroscopy, terahertz spectroscopy, and far-ultraviolet spectroscopy. It presents readers with hydrogen bonding studies by vibrational spectroscopy and quantum chemistry, as well as vibrational spectroscopy and quantum chemistry studies on both biological systems and nano science. The book also looks at vibrational anharmonicity and overtones, and nonlinear and time-resolved spectroscopy.

Słowa kluczowe

molecular spectroscopy, quantum chemistry

Adres publiczny

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