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LEVEL STRUCTURE AND DYNAMICS FROM DIATOMICS TO CLUSTERS*

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INDEPENDENT AND COLLECTIVE BEHAVIOR WITHIN ATOMS AND MOLECULES

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FLUCTUATIONS IN SPECTRAL INTENSITIES AND TRANSITION RATES

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SELF-CONSISTENT-FIELD METHODS FOR VIBRATIONAL EXCITATIONS IN POLYATOMIC SYSTEMS

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SPECTROSCOPY AND PHOTODYNAMICS OF RELATIVELY LARGE MOLECULES

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SOLVATION EFFECTS IN FOUR-WAVE MIXING AND SPONTANEOUS RAMAN AND FLUORESCENCE LINESHAPES OF POLYATOMIC MOLECULES

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ON THE STATISTICAL THEORY OF UNIMOLECULAR PROCESSES

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PICOSECOND TIME-RESOLVED DYNAMICS OF VIBRATIONAL-ENERGY REDISTRIBUTION AND COHERENCE IN BEAM-ISOLATED MOLECULES

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CHAOS AND REACTION DYNAMICS

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COHERENT PULSE SEQUENCE CONTROL OF PRODUCT FORMATION IN CHEMICAL REACTIONS

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