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THE ROLE OF THE INTRAMOLECULAR MOTION IN THE PROPERTIES OF CRYSTALLINE ROTORS

The study and control of the internal motion is the ultimate goal in the field of molecular machines. We have focused on the development of new conjugated molecular rotors trying to understand the relationship of internal dynamics and other properties in the solid state, like fluorescence and adsorption. Studying these new crystalline materials where the rotary components have been designed to show ultrafast motion, we have uncovered some synergy between the dynamics and unexpected properties. In this presentation the synthesis, characterization and the intriguing properties of these rotors will be discussed.

Oct 23rd

11:00 AM-12:00 PM

Via ZOOM

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