

Liquid crystals : materials design and self-assembly

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Abstrak

This book about fluorinated liquid crystals : design of soft nanostructures and increased complexity of self-assembly by perfluorinated segments, liquid crystalline crown ethers, star-shaped mesogens – hekates : the most basic star structure with three branches, DNA-based soft phases, phases made of bent-core mesogens, achiral symmetry breaking in liquid crystalline phases, and nanoparticles in liquid crystals and liquid crystalline nanoparticles, stimuli-responsive photoluminescent liquid crystals.