

SOME MOLECULE -BASED MATERIALS LOW DIMENSION NANOSTRUCTURES

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Molecule based materials nanoarchitectures have been employed as important nanoscale building blocks for advanced materials and smart miniature devices to fulfill the increasing needs of high materials usage efficiency. Different dimension molecule based materials based nanoarchitectures, especially low dimension nanostructures, attract significant attention due to its fascinating controlled structure and functionality-easy tailoring with excellent semi-conductive properties and stability. In this report, we discuss the some molecule based materials self-assembled oriented functional nanoarchitectures by coordinated inducing. The molecular material building blocks, aggregate structures and their properties in optical, electrical and photoelectrical properties were shown.

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