



Contribution ID: 320

Type: Poster

Porphyrin nanorods characterization for an artificial light harvesting and energy transfer system

Understanding growth mechanism of porphyrins nanorods by self assembly and molecular recognition is essential for their successful implementation in nanodevices. Optical spectroscopy and FTIR were used to investigate growth mechanism immediately after mixing and onwards. These porphyrins nanorods can be organized into structures performing essential light-harvesting and energy transfer roles.

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Track Classification: Track A - Condensed Matter Physics and Material Science