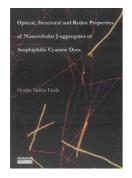
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Shaker Verlag Mai 2010, 2010. Taschenbuch. Condition: Neu. Neuware - This work addresses fundamental questions in the field of supramolecular nanoscale systems of self-assembled piconjugated molecules by presenting a comprehensive investigation of one particular supramolecular system: the double-walled nanotubular J-aggregates of amphiphilic cyanine dye 3,3' -bis(2-sulfopropyl)-5,5',6,6'-tetrachloro-1,1'-dioctylbenzimidacarbocyanine (C8S3). (i) It is shown that single tubular J-aggregates and bundles composed of several tubes can be distinguished by their unique optical spectra. The effects of the aggregation time, dye concentration, pH value, and...

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