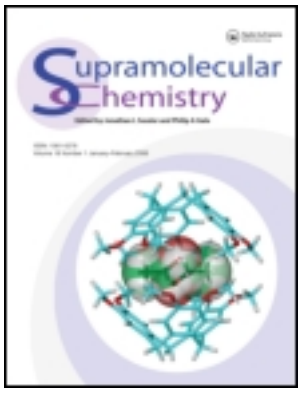

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Index Abstracts

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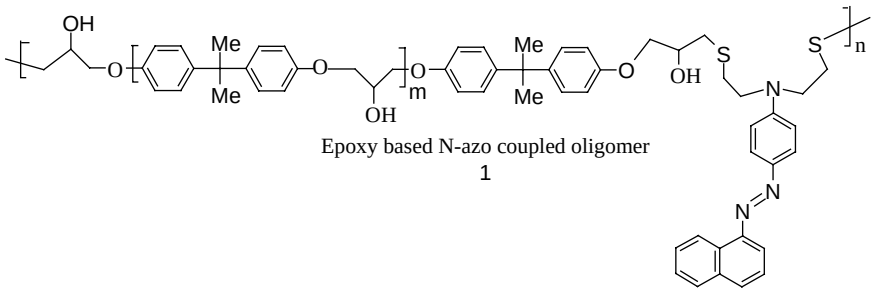
Index Abstracts



Epoxy based N-azo coupled oligomer

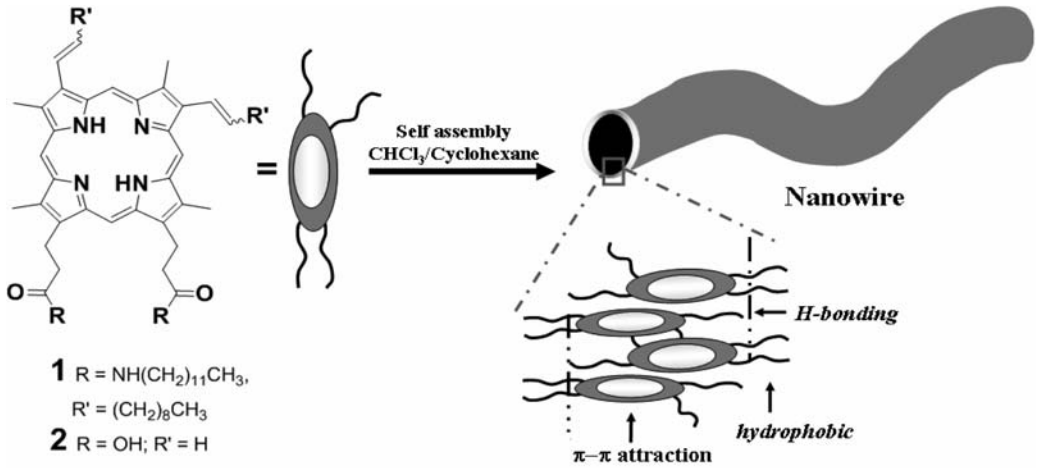
1

A simple epoxy-based oligomer **1** containing naphthylazobenzene-appended dithia-aza moieties was prepared. In UV–vis measurements, the proposed oligomer showed the ion-sensing ability to Hg^{2+} and Cu^{2+} ions. The discrimination between two differently responding Hg^{2+} and Cu^{2+} ions was also realised from 'ON–OFF' type fluorescence responses of **1**.

Samaresh Ghosh and Rajkumar Manna

Epoxy-based oligomer containing dithia-aza-based naphthylazobenzene pendant: a chemosensor for Hg^{2+} and Cu^{2+} ions

558–562

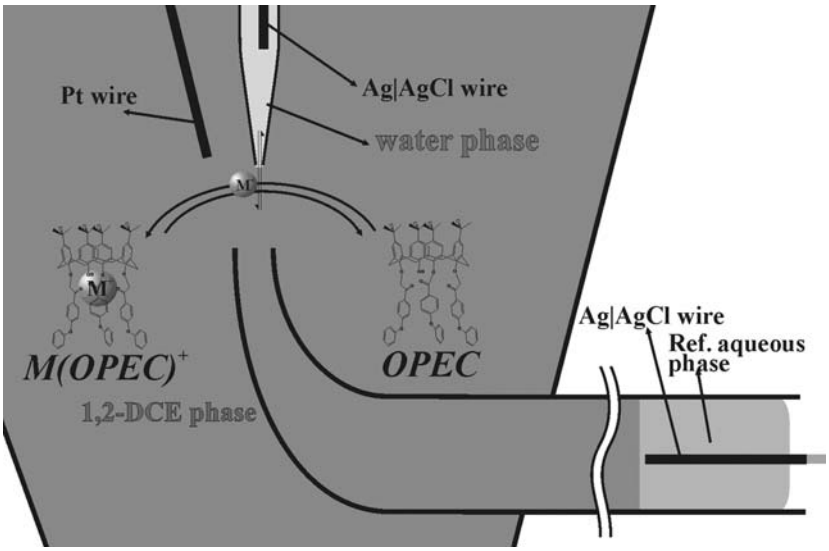


Supramolecular self-assembly of novel tetraalkyl-substituted protoporphyrin **1** into wire-like nanostructure is explored in $CHCl_3$/cyclohexane solvent mixes. Hydrogen bonding, van der Waals forces, $\pi-\pi$ attraction and hydrophobic interactions play important role in the formation of these nanostructures.

Sheshanath V. Bhosale, Mohan B. Kalyankar, Santosh V. Nalage, Sidhanath V. Bhosale, Cecilia H. Lalander and Steven J. Langford

Supramolecular self-assembled nanowires by the aggregation of a protoporphyrin derivative in low-polarity solvents

563–569



Ferhat Kaykal, Haluk Bingol, Ahmet B. Sariguney, Ahmet Coskun and Emine G. Akgemci

Synthesis and electrochemical properties of a novel calix[4]arene derivative for facilitated transfer of alkali metal ions across water/1,2-dichloroethane micro-interface

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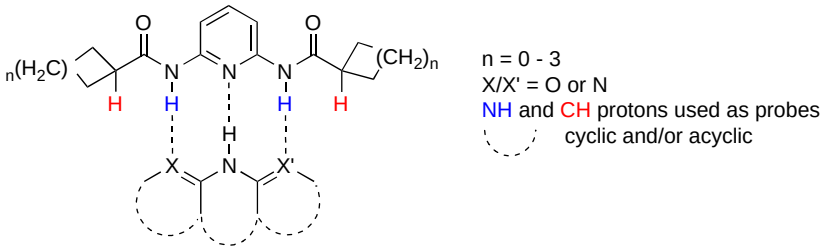

Borys Ośmiałowski, Erkki Kolehmainen, Reijo Kauppinen and Magdalena Kowalska

Tuning the hydrogen-bonding strength in 2,6-bis(cycloalkylcarbonylamino)pyridine assemblies by variable flexibility. Association constants measured by hydrogen-bonded vs. non-hydrogen-bonded protons

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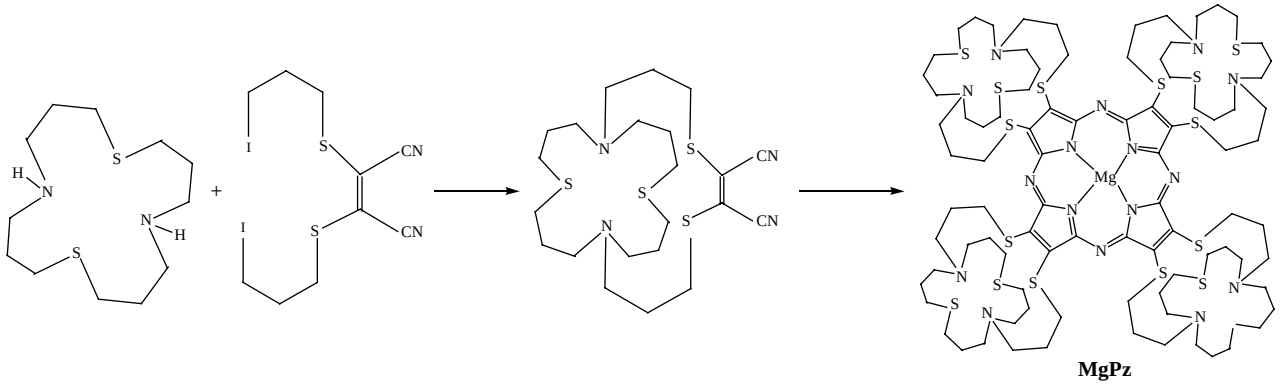
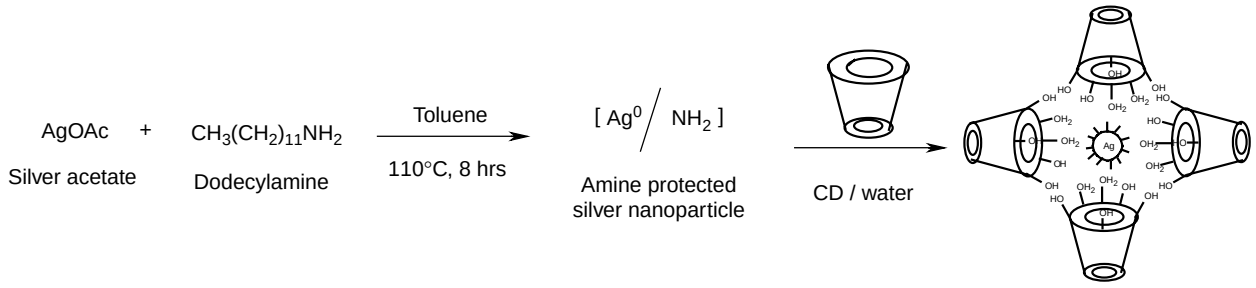


New magnesium porphyrazine (MgPz) containing four peripheral mixed donor macrobicyclic moieties has been prepared by a cyclotetramerisation reaction of macrobicyclic dinitrile (**9**)

Nilgün Kabay and Yaşar Gök

Synthesis and characterisation of new porphyrazinato magnesium containing macrobicyclic moieties



This paper describes the method for the phase transfer of silver nanoparticle from organic to aqueous phase and the antifungal activity of silver nanoparticles encapsulated cyclodextrin.

Cincy George, Sunny Kuriakose, Shibumon George and Tessymol Mathew

Antifungal activity of silver nanoparticle-encapsulated β-cyclodextrin against human opportunistic pathogens