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## Supramolecular Chemistry

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## Index Abstracts

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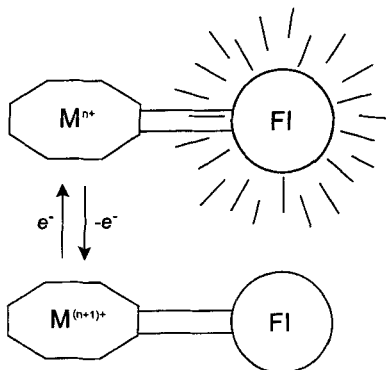
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## Index Abstracts

Multicomponent systems displaying a supramolecular function can be obtained by subunits which contain transition metal ions. The presence of one or more metal centres may induce inter-component processes related to their redox and electron transfer properties, which trigger the supramolecular function.



Luigi Fabbrizzi, Maurizio Licchelli, Piersandro Pallavicini and Donatella Sacchi

Supramolecular Functions Related to the Redox Activity of Transition Metals

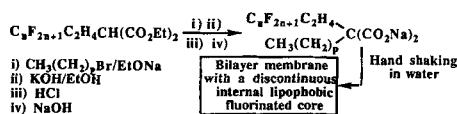
569–582

New di-anionic perfluoroalkylated amphiphiles have been synthesised. Some new amphiphiles self-assemble in stable vesicles at room temperature and were viewed by freeze-fracture electron microscopy. Their CMC's were determined by surface tension vs. concentration curves.

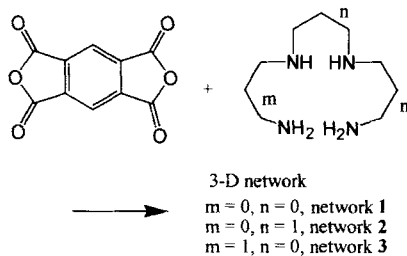
H. Trabelsi, S. Szönyi, P. Reuter, E. Wehrli and Geribaldi

Synthesis and Vesicle Formation of Ethyl 2-[2'-(F-alkyl)ethyl] 2-alkyl Malonic Acid Disodium Salts

583–591



Pyromellitic dianhydride with polyamine under mild conditions results in ammonium carboxylate salts. X-ray analysis indicates a 3-D network of  $N-H^+ \cdots O^- \cdots H$ . Porous spaces are filled with water molecules.

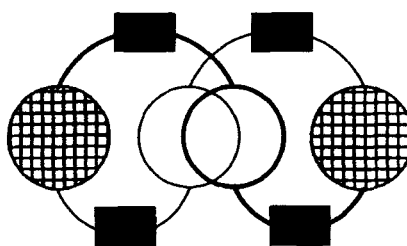


Xun-Cheng Su, Hua-Kuan Lin, Shou-Rong Zhu, Lin-Hong Weng, Xue-Bing Leng and Yun-Ti Chen

Novel 3-D Network: From the Reaction of Polyamine with Pyromellitic Dianhydride

593-600

Intramolecular hydrogen-bonding and  $\pi$ - $\pi$  interactions promote the isolation of, metal-free, 'figure-of-eight' (2+2) macrocycles in good yields. In contrast, cobalt ions template the formation of (1+1) macrocyclic complexes.

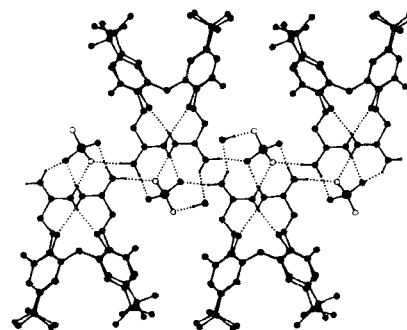


Sally Brooker, Geoffrey S. Dunbar and Thomas Weyhermüller

Figure-of-eight Shaped Metal-free Amide-containing Schiff-base Macrocycles and Two Dicobalt(III) Amide Complexes

601-612

A complex hydrogen bonded network is formed between a mono-deprotonated bis-amidinium calix[4]arene **1** and difluorophosphinate in the presence of methanol.

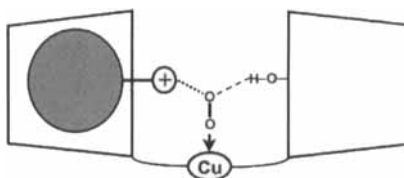


Salvatore Camiolo, Philip A. Gale, Mark E. Light and Michael B. Hursthouse

A New Bis-amidinium Calix[4]arene-difluorophosphinate Network: An Unexpected but not Unwelcome Guest

613-618

Copper(II) cyclodextrin-dithiocarbamates with included quaternary ammonium salts were used as SOD models.

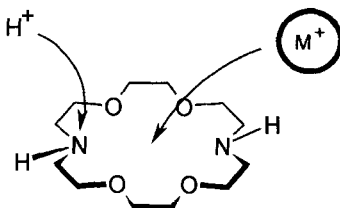


Alex Fragoso, Roberto Cao, Alicia Díaz, Ileana Sánchez and Leticia Sánchez

Influence of Electrostatic Interactions and Hydrogen Bonding on the Activity of Cyclodextrin-based Superoxide Dismutase Models

619–625

For selected macrocyclic bases the kinetics of deprotonation and protonation reactions in the presence of monovalent cations was studied using the temperature jump technique.



Krystian Eitner, Franz Bartl, Bogumił Brzezinski and Grzegorz Schroeder

Kinetics of the Protonation of Macrocyclic Amines in the Presence of Monovalent Cations in Aqueous Solution

627–635