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Index Abstracts

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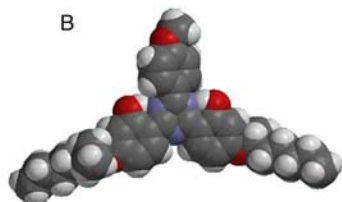
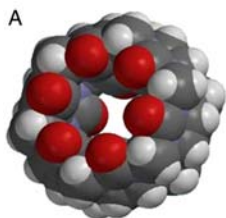
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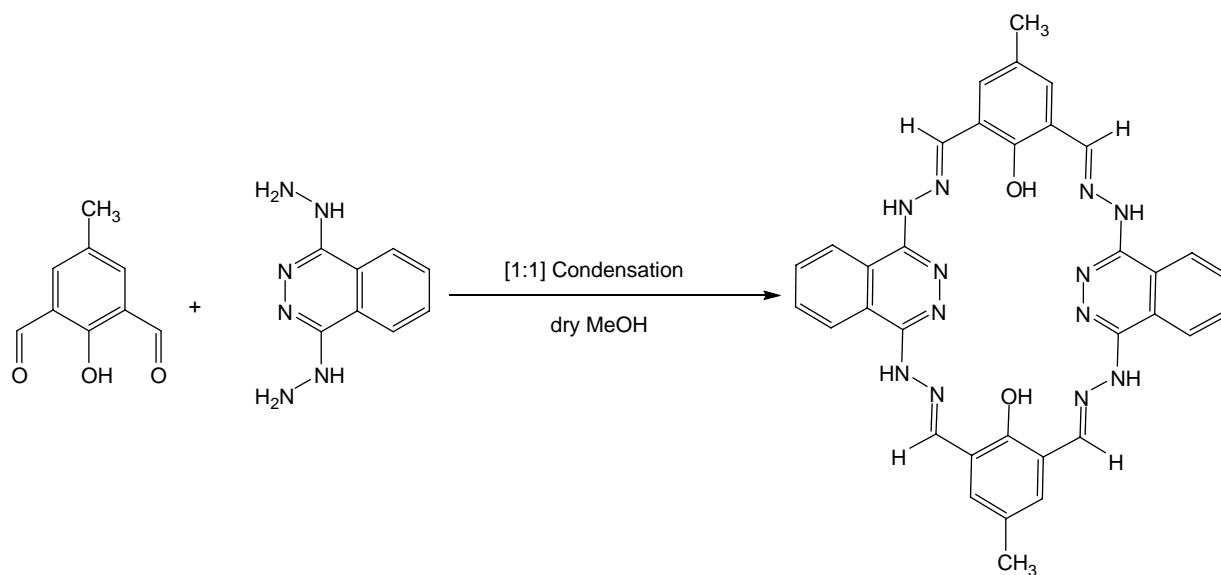
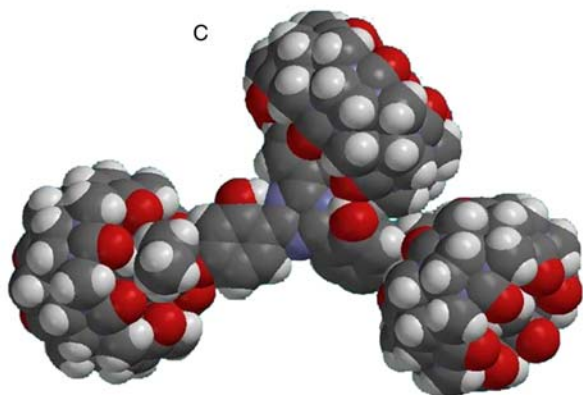
Index Abstracts



Sung Ho Kim, Dipen Debnath and Kurt E. Geckeler

Nanopumpkins and a sunscreen agent: the inclusion complex of cucurbituril and Tinosorb S

337–341

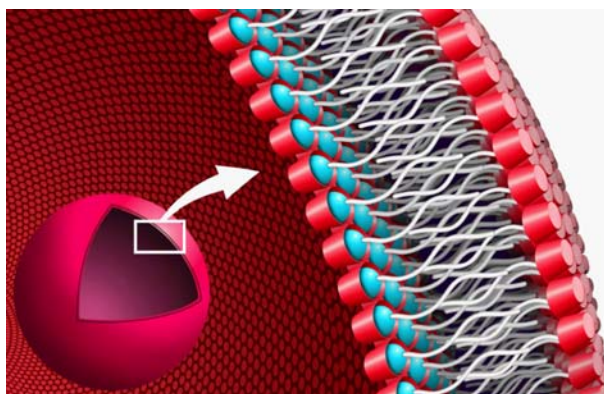


M.P. Sathisha, Naveen V. Kulkarni, Srinivasa Budagumpi, B.N. Kirasur and Vidyanand K. Revankar

Coordination chemistry of a new tetranucleating 26-membered polyaza macropolycyclic ligand and a novel phenolate/phthalazine-bridged copper(II) and zinc(II) complexes

342–350

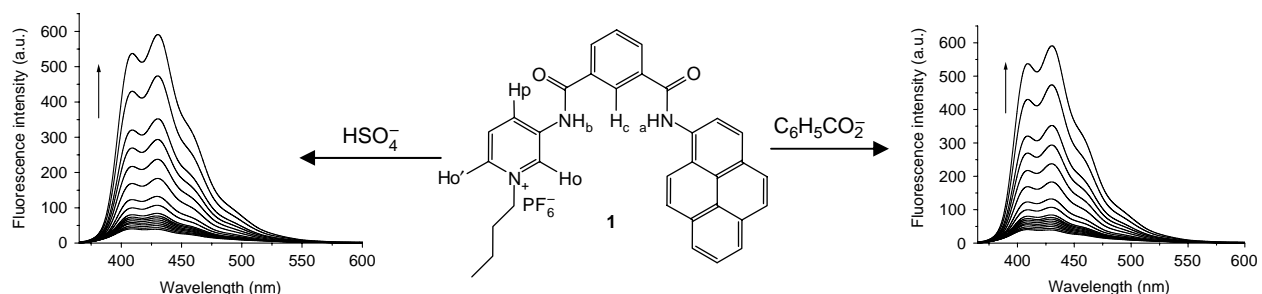
Self-assembly fluorescent vesicles were designed and prepared based on the supramolecular interaction of β -cyclodextrin and *N*-alkylamino-L-anthraquinone. The vesicles were applied in staining the living cells based on the sensitive and multi-responsive properties.



Tao Sun, Huacheng Zhang, Hui Yan, Jianye Li, Guanghui Cheng, Aiyao Hao, Hongwei Qiao and Feifei Xin

Sensitive fluorescent vesicles based on the supramolecular inclusion of β -cyclodextrins with *N*-alkylamino-L-anthraquinone

351–364

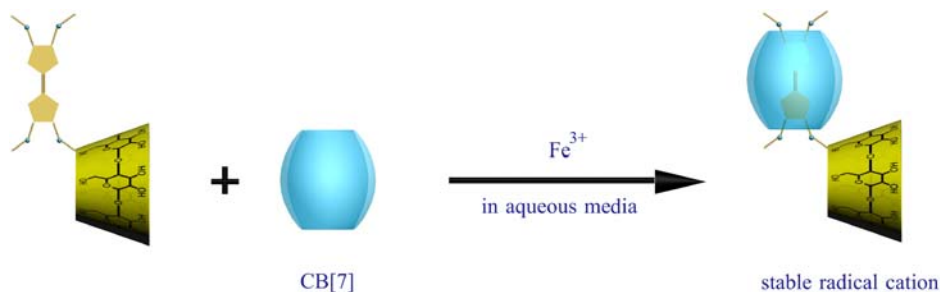


A new pyrene-based hetero bis amide pyridinium salt **1** has been designed and synthesised. The hetero bis amide salt **1** selectively recognises benzoate over a range of aliphatic monocarboxylates in CHCl_3 containing 2% CH_3CN by showing concomitant increase in the emission of pyrene. The flexible cleft of **1** also showed selective sensing of tetrahedral-shaped HSO_4^- ion over H_2PO_4^- ion.

Kumaresh Ghosh and Avik Ranjan Sarkar

Pyrene-based simple new hetero bis amide pyridinium salt for selective sensing of benzoate and hydrogen sulphate

365–371

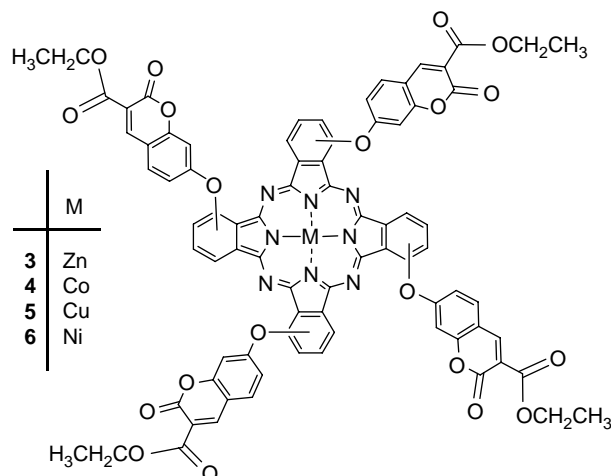


Ying-Ming Zhang, Yong Chen, Rui-Jie Zhuang and Yu Liu

Construction and radical cation stabilisation of a supramolecular dyad by tetrathiafulvalene-modified β -cyclodextrin and cucurbit[7]uril

372–378

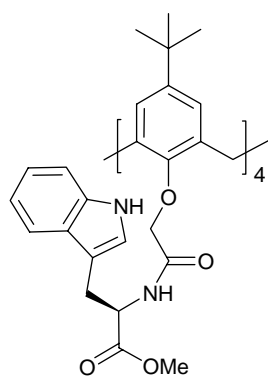
Novel α -tetra-substituted metallophthalocyanines have been synthesised by cyclotetramerisation of a novel ligand, ethyl 7-(2,3-dicyanophenoxy)coumarin-3-carboxylate, with the relevant metal acetates. In addition, two derivatives of **3** were prepared by its reaction with HCl (37%) and heating with ethyl 3-piperidinecarboxylate. The redox behaviour of **3–6** was also investigated by voltammetry and *in situ* spectroelectrochemistry.



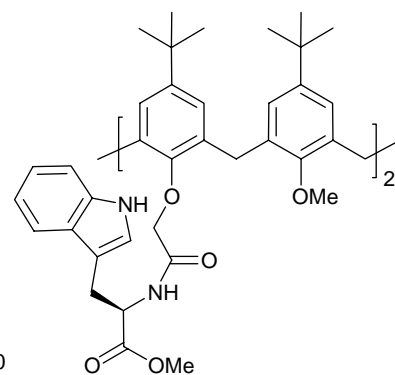
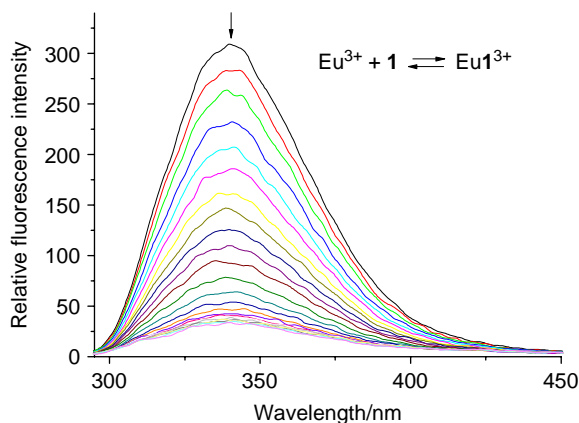
Eyüp Dur,
Ali Rıza Özkaya
and Mustafa Bulut

Synthesis, characterisation and electrochemistry of derivatisable novel α -tetra 7-oxycoumarin-3-carboxylate-substituted metallophthalocyanines

379–388



1



2

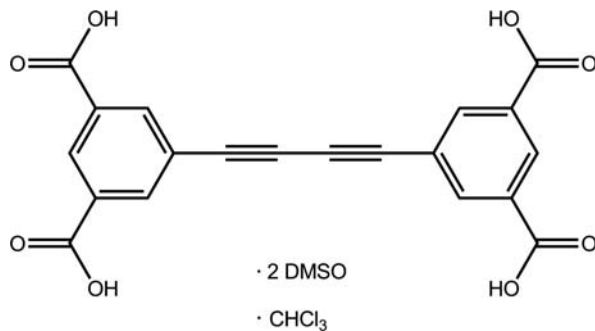
The novel fluorescent calix[4]arene derivatives were synthesised, and their coordination reactions with Eu(III) and alkali metal cations were studied by spectroscopic and electrochemical methods.

Nives Galić, Nataša Burić, Renato Tomaš, Leo Frkanec and Vladislav Tomišić

Synthesis and cation binding properties of fluorescent calix[4]arene derivatives bearing tryptophan units at the lower rim

389–397

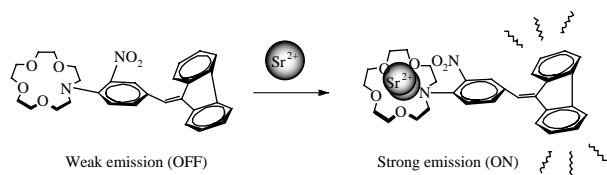
Synthesis of a new geometrically defined tetracarboxylic acid molecule is described and the crystalline framework structure of its mixed solvent complex with DMSO and chloroform is discussed.



Ines M. Hauptvogel,
Wilhelm Seichter and Edwin Weber

Unusual mixed solvent supramolecular crystal framework formed of a new tecton-like tetracarboxylic building block

398–406



Jing Cao, Jun Xiang Feng, Yong Xiang Wu,
Xue Qun Pei, Jiao Jiao Yan, Yang Liu,
Wen Jie Qin and Xiao Bin Zhang

An ion-responsive fluorescent compound based
on NO-photoisomerisation styryl derivative
linked to monoaza-15-crown-5

407–410