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Index Abstracts

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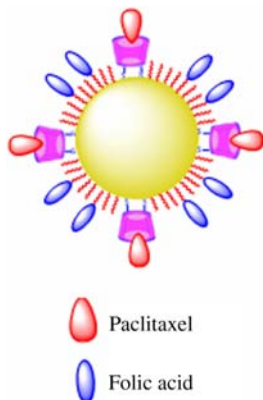
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Index Abstracts

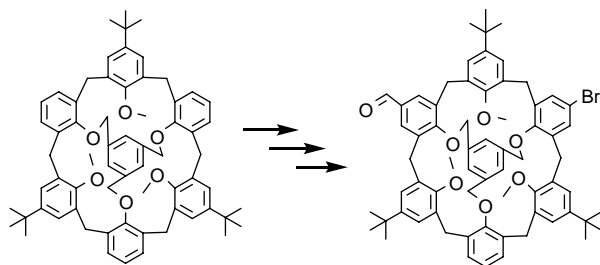
Cyclodextrin was conjugated onto the surface of quantum dots as a co-capping agent in order to confer the host-guest properties in these nanomaterials. Resulted QDs were able to transport anti-cancer drugs and antibodies such as paclitaxel and folic acid.



Mohsen Adeli, Farahman Hakimpour, Massoumeh Sagvand, Mahmoud R. Jaafari, Roya Kabiri and Zahra Moshari

Supramolecular hybrid nanomaterials as drug delivery systems

411–418

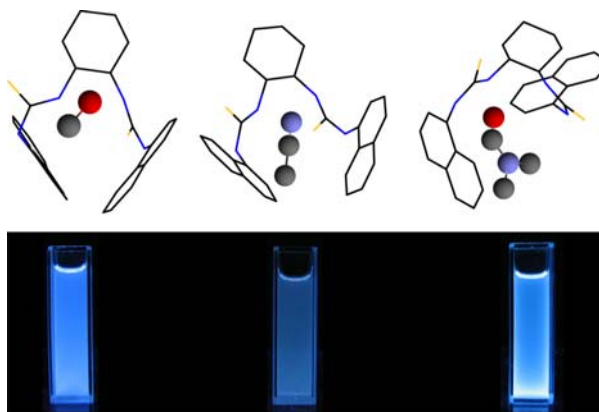


Jun-Min Liu, Jian-Ying Shi, Yao-Wei Xu, Cheng-Yong Su and Shao-Yong Li

Synthesis of inherently chiral wide rim ABC substituted calix[6]arene derivatives

419–424

Pseudo-polymorphism of *trans*-1,2-*bis*-3-(naphthalen-1-yl) thiourido cyclohexane has been reported. A systematic conformational analysis of this compound was carried out by X-ray diffraction technique. Long-range polarity influences the supramolecular interactions in different solvated systems, which significantly affects the crystal morphology in the solid phase and fluorescence properties in the solution phase.

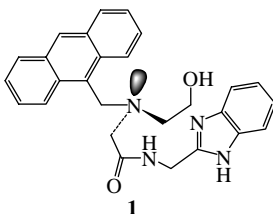


Avijit Pramanik and Gopal Das

Interplay of solvent in flexible behaviour of cyclohexane dinaphthyl *bis*-thiourea system: conformational aspects

425–434

A new and an easy-to-make simple tripodal shaped chemosensor **1** has been designed and synthesised for Cu(II). In CH₃CN containing 0.04% DMSO, upon excitation at 370 nm, chemosensor **1** exhibited structured emission centred at 418 nm, which increased to a significant extent upon complexation of Cu(II). The other metal ions except Zn²⁺ and Hg²⁺ examined in this study did not exhibit any marked change in emission of **1** under a similar condition. Although Cu²⁺ ion showed strong interaction with **1**, Zn²⁺ and Hg²⁺ ions exhibited moderate binding.

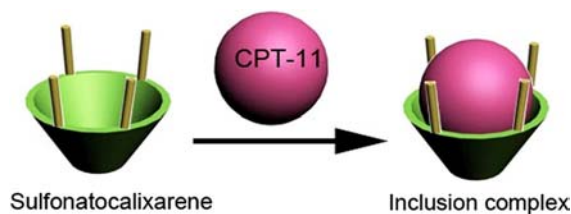


Kumares Ghosh and Tanmay Sarkar

Selective sensing of Cu(II) by a simple anthracene-based tripodal chemosensor

435–440

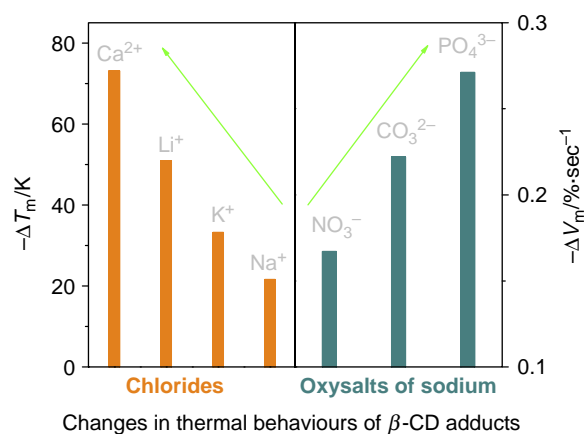
Inclusion complex of an anti-tumour drug irinotecan with water-soluble sulphonatocalixarene was prepared, the formation of the complex led to solubilisation of irinotecan and increased the antiproliferative activity of irinotecan.



Guo-Song Wang,
Heng-Yi Zhang, Dong Li,
Pu-Yue Wang and Yu Liu

Characterisation and antiproliferative activity of irinotecan and sulphonatocalixarene inclusion complex

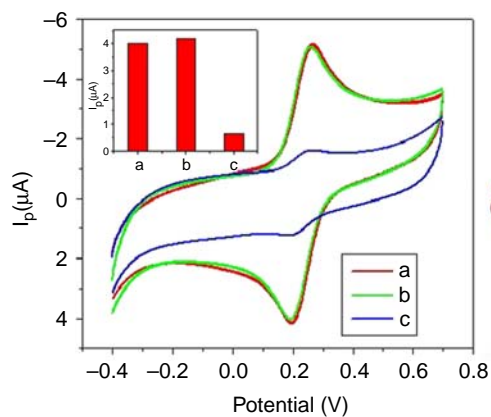
441–446



Le Xin Song, Shu Zhen Pan, Lei Bai, Zheng Dang,
Fang Yun Du and Jie Chen

Functional significance of molecule–ion interactions between a series of inorganic salts and β-cyclodextrin

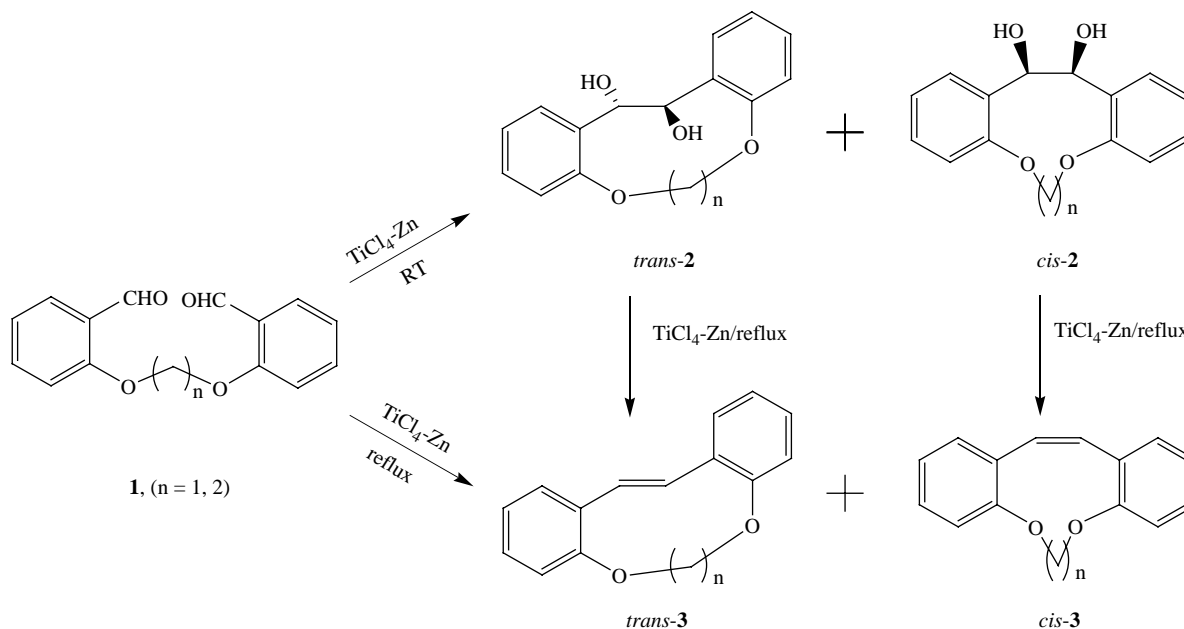
447–454



Yinghui Bian, Guifen Zhang, Xian Zhong, Demei Tian and Haibing Li

Enantioselective recognition of electrochemically inactive phenylalanine by thiolated-cyclodextrin/ferrocene-coated gold nanoparticles

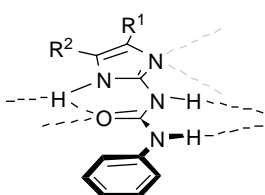
455–461



Hossein Reza Darabi, Mohammad Hashemi Karouei, Mohammad Jafar Tehrani, Kiomars Aghapoor, Mitra Ghasemzadeh and Bernhard Neumüller

Synthesis, physico-chemical, structure and supramolecular properties of pinacolophanes: versatile synthetic precursors to stilbenophanes

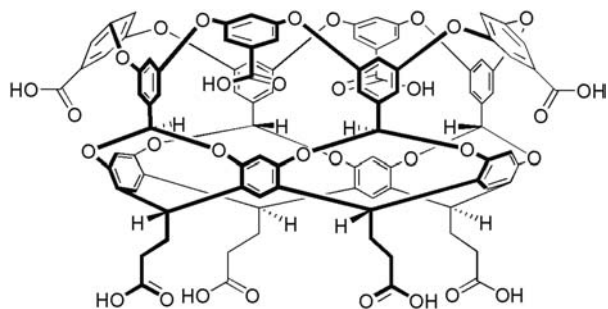
462–469



Andrea M. McGhee, Jeffrey P. Plante, Colin A. Kilner and Andrew J. Wilson

Solid-state structures of ureidoimidazoles

470–479



Simin Liu, Sarah E. Whisenhunt-Ioup, Corinne L.D. Gibb
and Bruce C. Gibb

An improved synthesis of 'octa-acid' deep-cavity
cavitand

480-485
