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Index Abstracts

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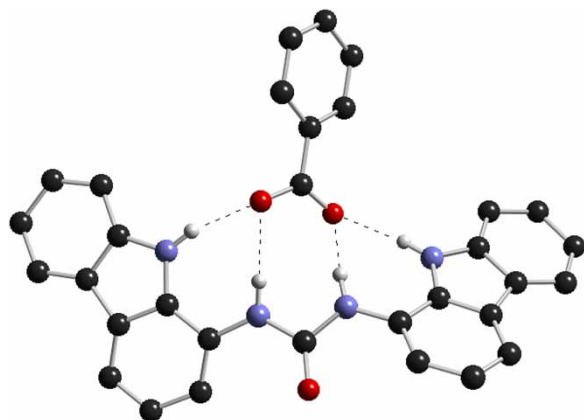
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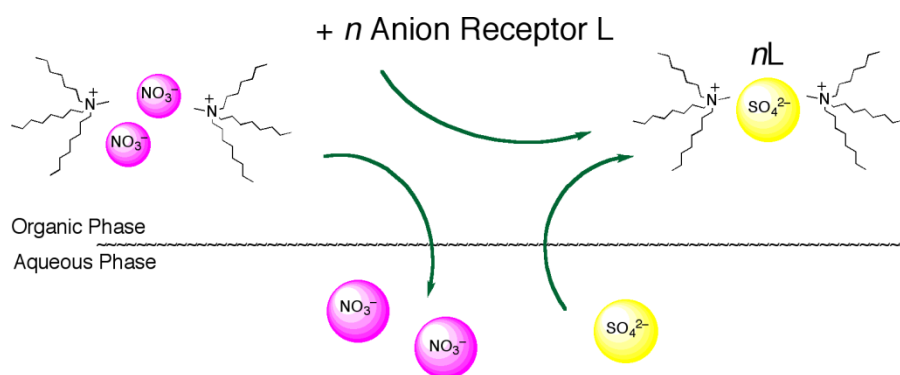
Index Abstracts



Jennifer R. Hiscock, Philip A. Gale,
Claudia Caltagirone, Michael B. Hursthouse
and Mark E. Light

Fluorescent carbazoylurea- and carbazo-
ylthiourea-based anion receptors and sensors

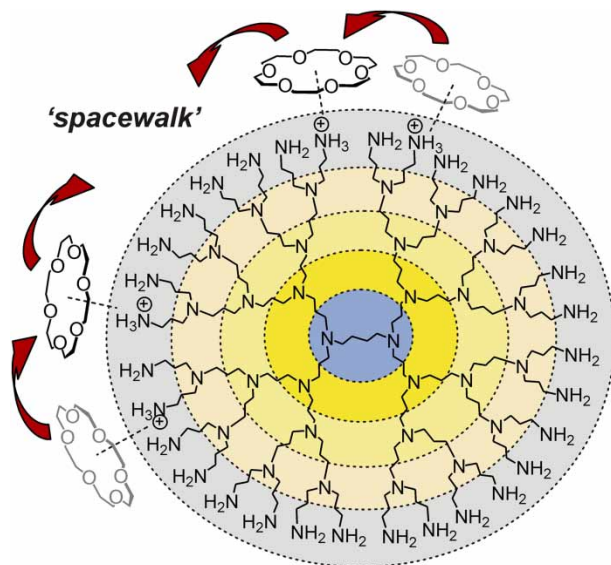
647–652



Bruce A. Moyer
Frederick V. Sloop Jr.
Christopher J. Fowler,
Tamara J. Haverlock
Hyun-Ah Kang, Lætitia
H. Delmau, Diadra M. Bau,
Md Alamgir Hossain,
Kristin Bowman-James,
James A. Shriver, Nathan L. Bill,
Dustin E. Gross, Manuel Marquez,
Vincent M. Lynch
and Jonathan L. Sessler

Enhanced liquid–liquid anion
exchange using macrocyclic
anion receptors: effect of receptor
structure on sulphate–nitrate
exchange selectivity

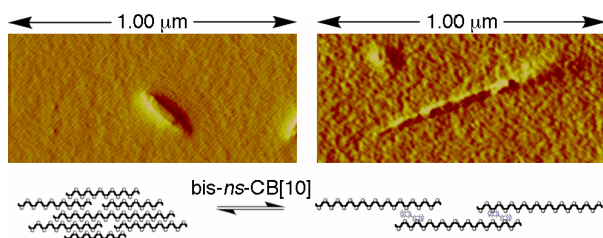
653–671



Zhenhui Qi and Christoph A. Schalley

Host-guest chemistry of dendrimers in the gas phase

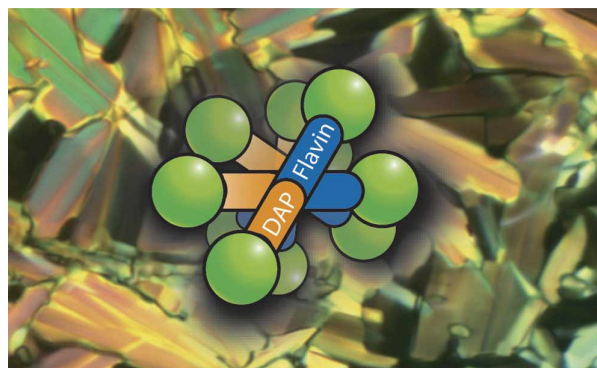
672-682



Regan Nally, Oren A. Scherman and Lyle Isaacs

Polymer deaggregation and assembly controlled by a double cavity cucurbituril

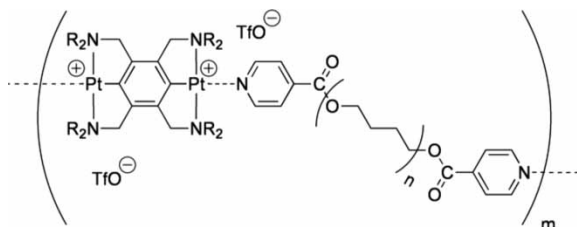
683-690



Hiroshi Nakade, Brian J. Jordan, Sudhanshu Srivastava, Hao Xu, Xi Yu, Michael A. Pollier, Graeme Cooke and Vincent M. Rotello

Molecular recognition-induced liquid crystals from complementary diaminopyridine and flavin dyads

691-696

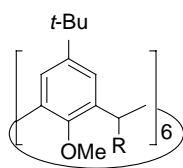


R = Me or Et: same properties in solution and solid state

Sung Lan Jeon, David M. Loveless and Stephen L. Craig

Main-chain dynamics in metallo-supramolecular polymers: from solution to elastomeric fibres

697-703

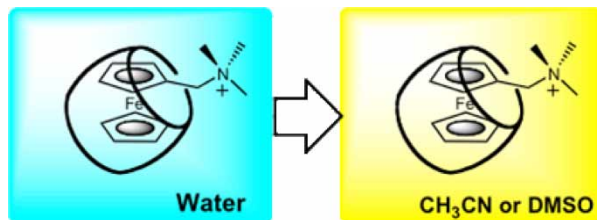


R = thymyl, triazolyl, F, etc.

Katerina Kogan, Norbert Itzhak
and Silvio E. Biali

Calix[6]arenes incorporating functionalised
substituents at the methylene bridges

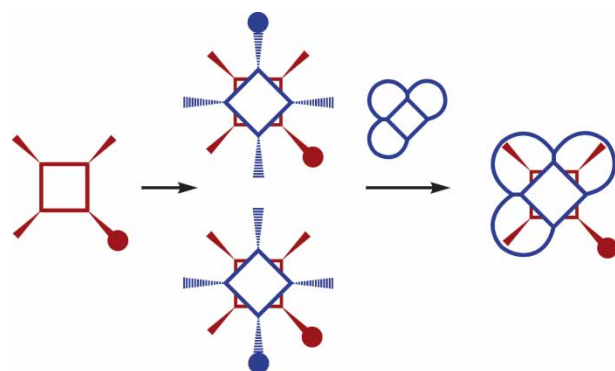
704–709



Wei Wang and Angel E. Kaifer

Transfer of cationic cucurbit[7]uril inclusion
complexes from water to non-aqueous solvents

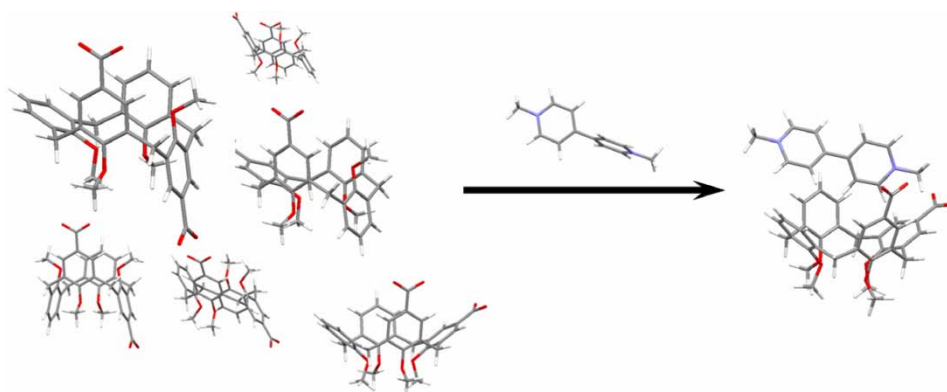
710–716



Yuliya Rudzevich, Valentin Rudzevich and
Volker Böhmer

Selective dimerisation of tetraurea calix[4]
arenes

717–725

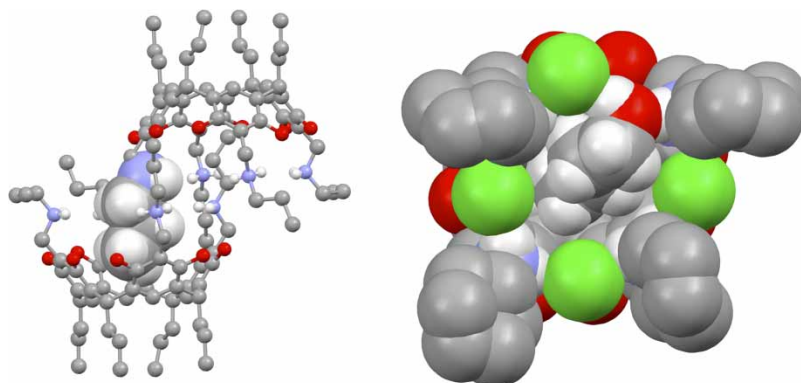


Teresa Pierro, Carmine Gaeta and Placido Neri

Paraquat guest-induced conformational templation of dicarboxylatocalixarenes

726–736

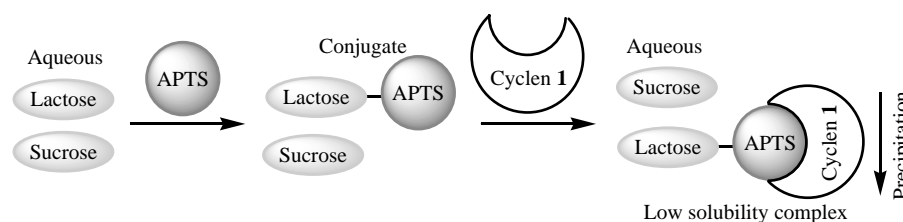
A family of hydrogen bond stabilised *N*-alkylammonium resorcinarene chloride and bromide cavitands exhibit interesting self-inclusion properties or small solvent molecule inclusion into the resorcinarene cavity in a 1:1 or 1:2 host:guest ratio.



N. Kodiah Beyeh,
Mario Cetina,
Miika Löfman,
Minna Luostarinen,
Alexander Shivanyuk
and Kari Rissanen

Hydrogen bond-stabilised
N-alkylammonium
resorcinarene
halide cavitands

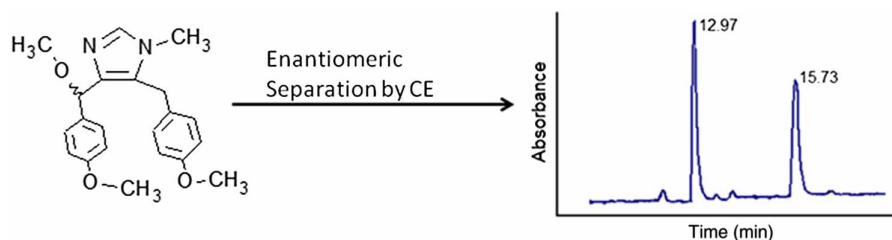
737–750



Vivek Kaushik, Nicole Cook, Ayie Y. Liang, Umesh R. Desai and Vladimir Sidorov

Chemoselective precipitation of lactose from a lactose/sucrose mixture: proof of concept for a new separation methodology

751–757



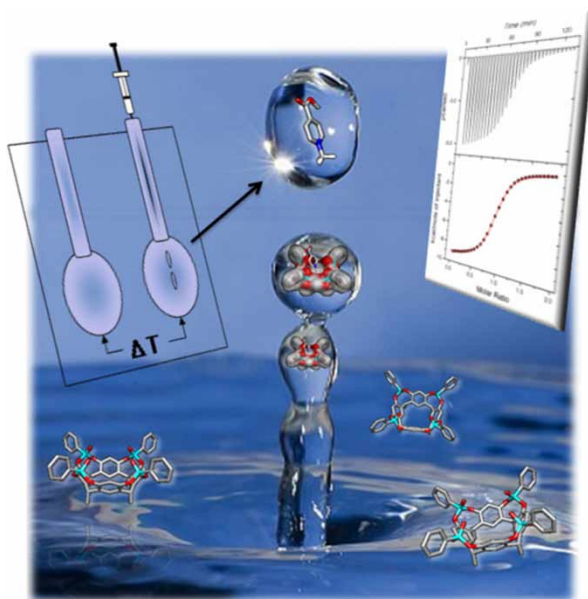
Enantioselective CE analysis of one 4,5-disubstituted imidazole using sulphated β -cyclodextrin as the chiral selector.

Zachary S. Breitbach, Qing Feng, Panduka B. Koswatta, Edra Dodbiba, Carl J. Lovely and Daniel W. Armstrong

The enantiomeric separation of 4,5-disubstituted imidazoles by HPLC and CE using cyclodextrin-based chiral selectors

758–767

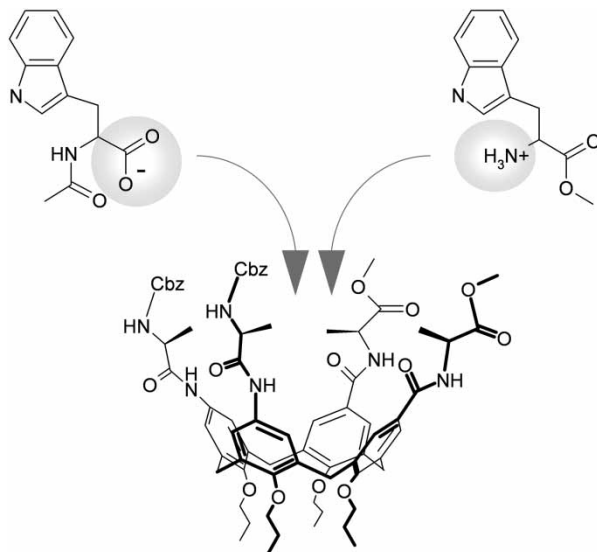
The role and relative importance of the cation–dipole and CH– π interactions in the binding of methylpyridinium guests by phosphonate cavitands has been elucidated via ITC measurements.



Daniela Menozzi, Elisa Biavardi, Chiara Massera, Franz-Peter Schmidtchen, Andrea Cornia and Enrico Dalcanale

Thermodynamics of host–guest interactions between methylpyridinium salts and phosphonate cavitands

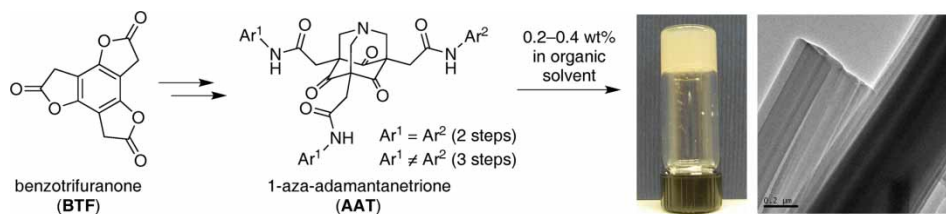
768–775



Laura Baldini, Francesco Sansone, Federico Scaravelli, Alessandro Casnati and Rocco Ungaro

Proximal and *distal* *N,C*-linked tetra-peptidocalix[4]arenes as bifunctional receptors: synthesis, conformation and preliminary binding studies

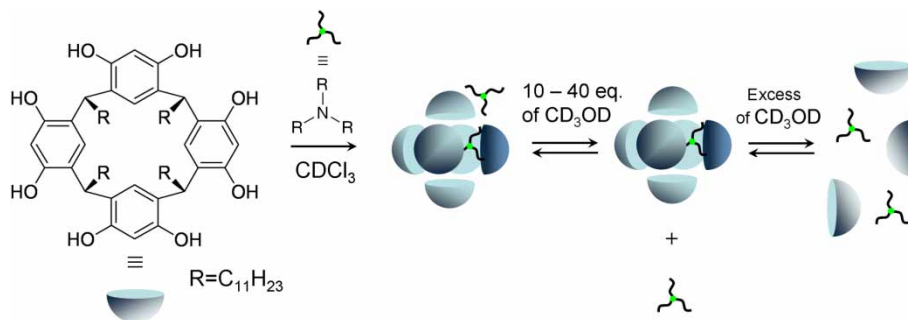
776–788



Matthew B. Baker, Ling Yuan, Christopher J. Marth, Yan Li and Ronald K. Castellano

Rapid access to C₃- and C_s-symmetric AAT organogelators via ring opening of a common benzotrifuranone precursor

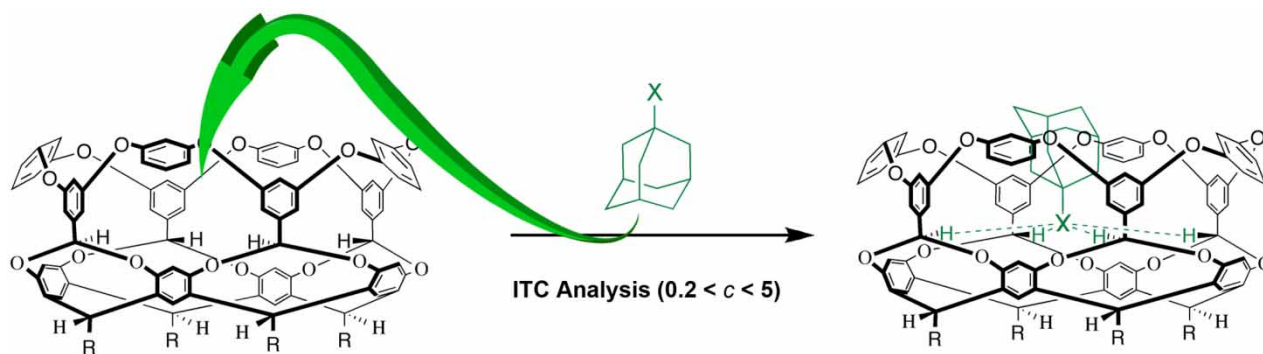
789–802



Sarit Slovak and Yoram Cohen

In–out interactions of different guests with the hexameric capsule of resorcin[4]arene

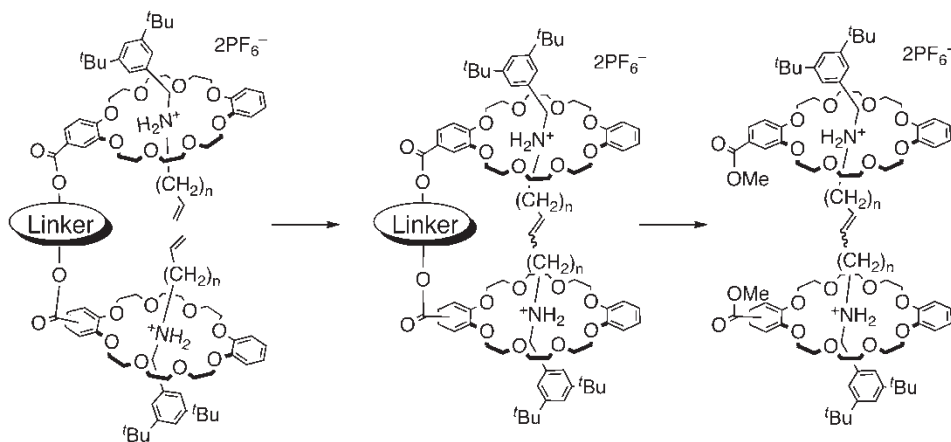
803–807



Haiying Gan and Bruce C. Gibb

ITC analysis of guest binding to a deep-cavity cavitand

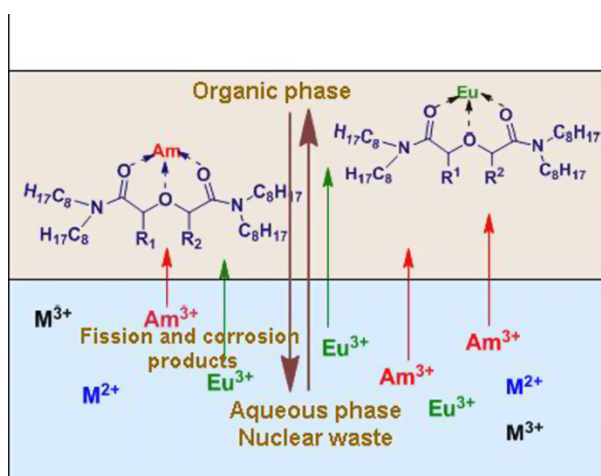
808–814



Hajime Iwamoto, Yukimi Yawata, Yoshimasa Fukazawa and Takeharu Haino

Highly efficient synthesis of [3]rotaxane assisted by preorganisation of pseudorotaxane using bis(crown ether)s

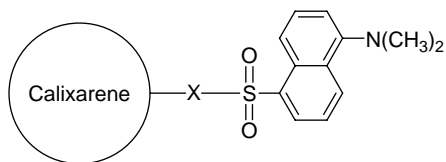
815–826



Mudassir Iqbal, Jurriaan Huskens, Willem Verboom, Michal Sypula and Giuseppe Modolo

Synthesis and Am/Eu extraction of novel TODGA derivatives

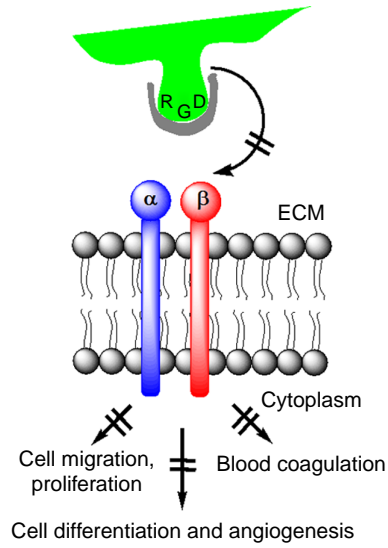
827–837



Galina G. Talanova and Vladimir S. Talanov

Dansyl-containing fluorogenic calixarenes as optical chemosensors of hazardous metal ions: a mini-review

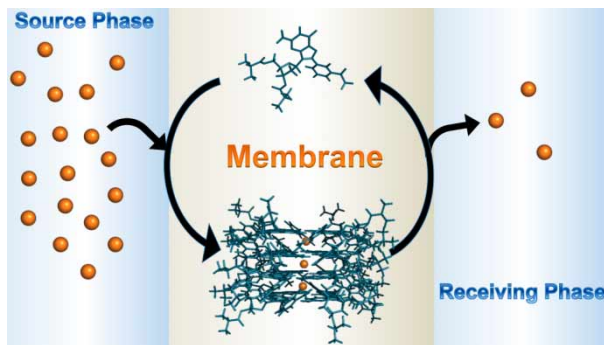
838–852



Thomas Gersthagen, Carsten Schmuck and Thomas Schrader

Artificial RGD receptor molecules

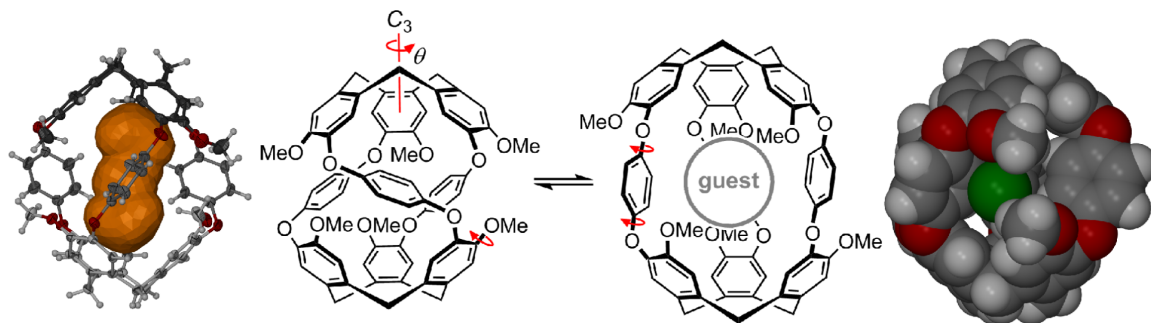
853–861



Mariana Martín-Hidalgo, Karla Camacho-Soto, Vladimir Gubala and José M. Rivera

Self-assembled cation transporters made from lipophilic 8-phenyl-2'-deoxyguanosine derivatives

862–869



Let's twist again. A series of deep cavity, $[(\eta^5\text{-C}_5\text{H}_5)\text{Fe}^{\text{II}}(\eta^6\text{-arene})]^+$ -functionalised cyclotriguaiacylenes form penetrated ion pairs with their counteranions in solution and in the solid state. One of these is 'capped' and photochemically demetalated to yield a pair of aryl-bridged cryptophanes, *syn-5* and (\pm) -*anti-5*. Single crystal structures of (\pm) -*anti-5* solvates, and the first crystallographically characterised example of an empty cryptophane, reveal host conformers that can be interpreted as being 'snapshots' of the molecular gating process.

K. Travis Holman, Stephen D. Drake, Jonathan W. Steed, G. William Orr and Jerry L. Atwood

Anion binding, aryl-extended cyclotriguaiacylenes and an aryl-bridged cryptophane that provides snapshots of a molecular gating mechanism

870–890