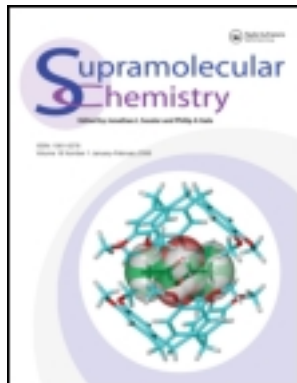


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Index Abstracts

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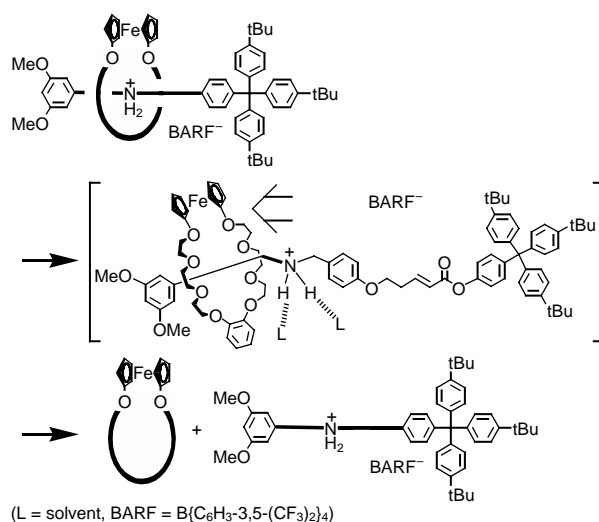
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Index Abstracts

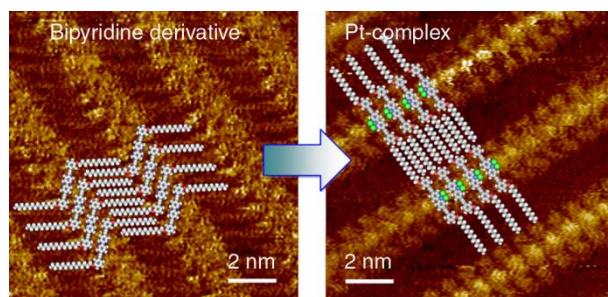


Rotaxane-like complex of an octaoxa[22]ferrocenophane with dialkylammonium undergoes dethreading reaction to form the component molecules in polar solvents.

Yuji Suzuki, Atsuko Takagi, Eriko Chihara and Kohtao Osakada

Synthesis and dethreading reaction of a rotaxane-like complex of an octaoxa[22]ferrocenophane with dialkylammonium

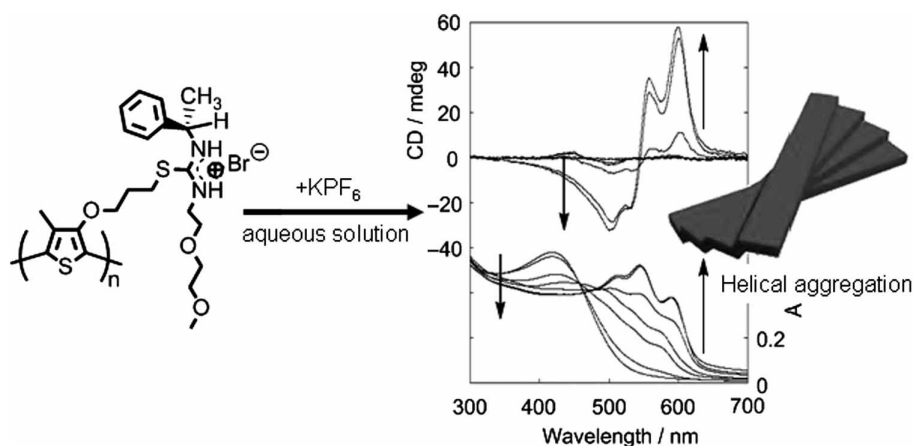
2-8



Yoshihiro Kikkawa, Emiko Koyama, Masaru Aoyagi, Nathanaëlle Schneider, Mayuko Takahashi, Kyoko Fujiwara and Masatoshi Kanesato

Metallation of bipyridine derivatives substituted at meta position by alkyl chains: effects on the 2D structures

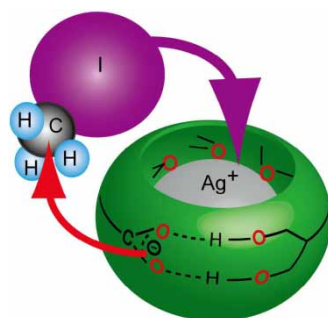
9-12



Tsuyoshi Minami and
Yuji Kubo

Selective anion-induced
helical aggregation of
chiral amphiphilic
polythiophenes
with isothiuronium-
appended pendants

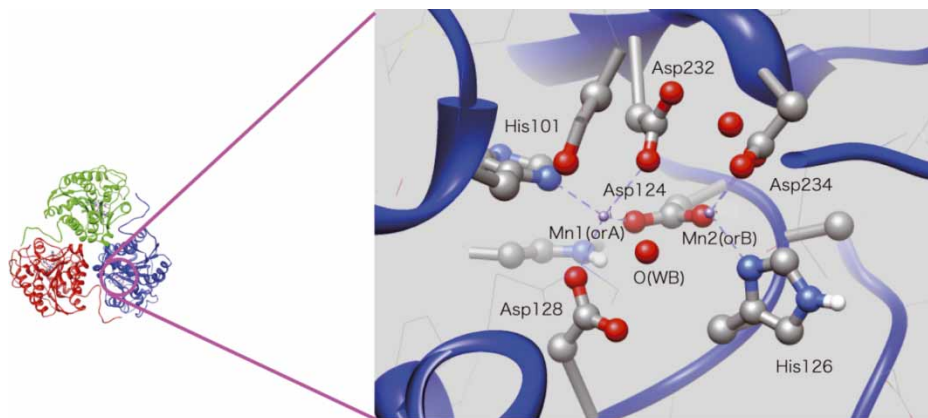
13–18



Yoshio Inagaki and Tadao Shishido

Reaction of monensin silver salt with
methyl iodide: smooth alkylation of a tightly
hydrogen-bonded carboxylate

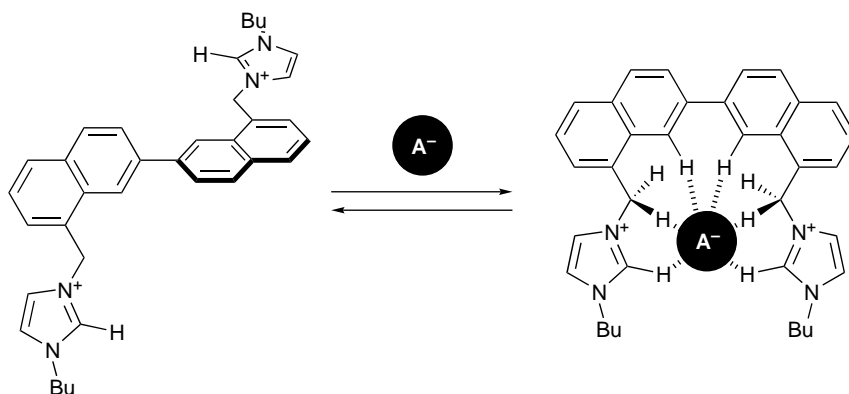
19–21



Toru Saito,
Yusuke Kataoka,
Yasuyuki Nakanishi,
Yasutaka Kitagawa,
Takashi Kawakami,
Shusuke Yamanaka,
Mitsutaka Okumura and
Kizashi Yamaguchi

Theoretical studies on
the structural and
magnetic property of
arginase active site

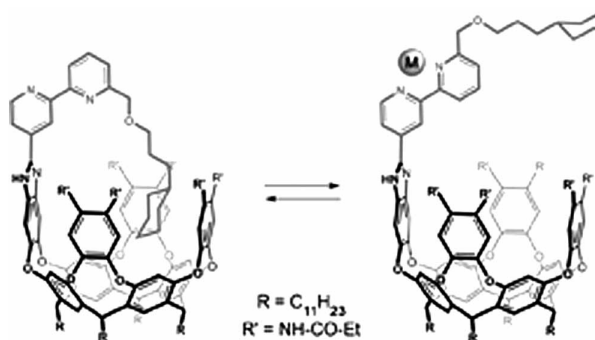
22–28



Shin-ichi Kondo

Anion recognition by 2,2'-binaphthalene bearing imidazolium groups in MeCN

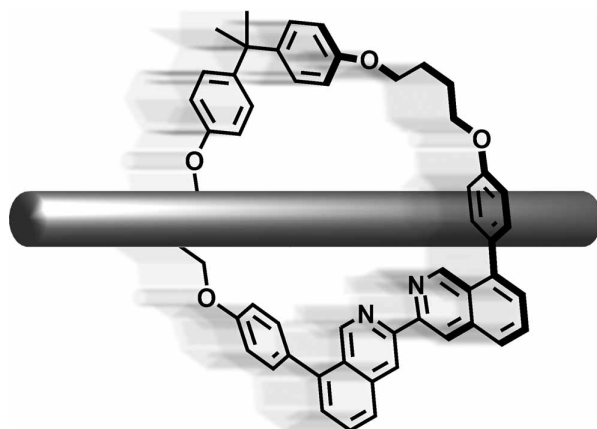
29–36



Fabien Durola, Henry Dube, Dariush Ajami and Julius Rebek Jr

Control of nanospaces with molecular devices

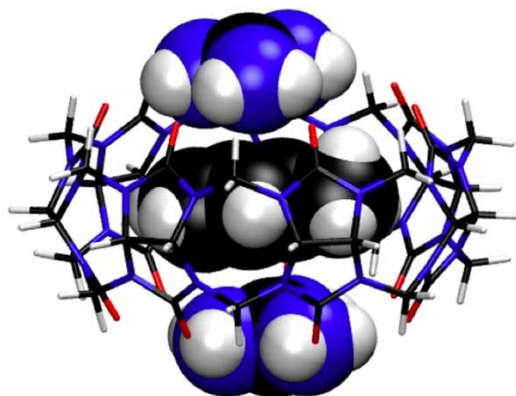
37–41



Fabien Durola, Jacques Lux
Jean-Pierre Sauvage and Oliver S. Wenger

Bigger, better, faster: molecular shuttles with sterically non-hindering biisoquinoline chelates

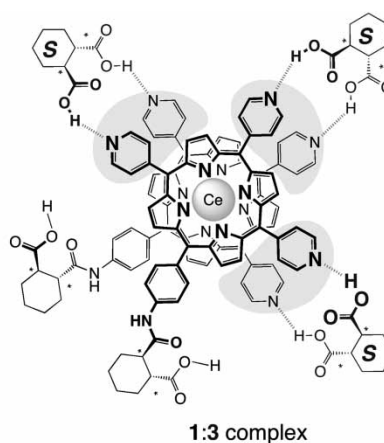
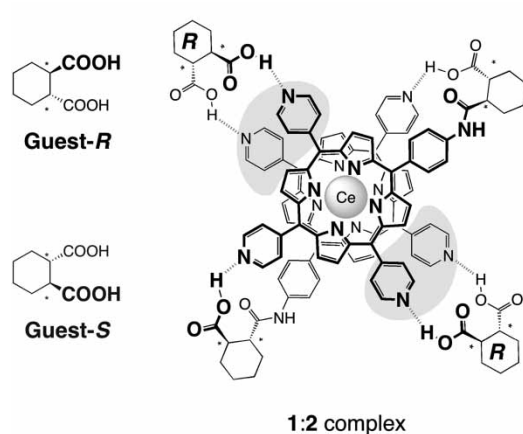
42–52



Fan Yang and David V. Dearden

Guanidinium-capped cucurbit[7]uril
molecular cages in the gas phase

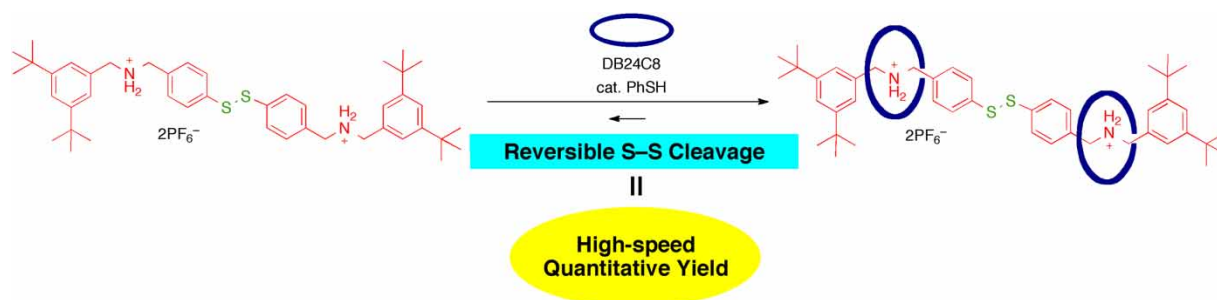
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Tomohiro Ikeda,
Kazuki Sada,
Seiji Shinkai and
Masayuki Takeuchi

Enantioselective recognition of dicarboxylic acid guests based on an allosteric effect of a chiral double-decker porphyrin which changes the stoichiometry upon the guest binding

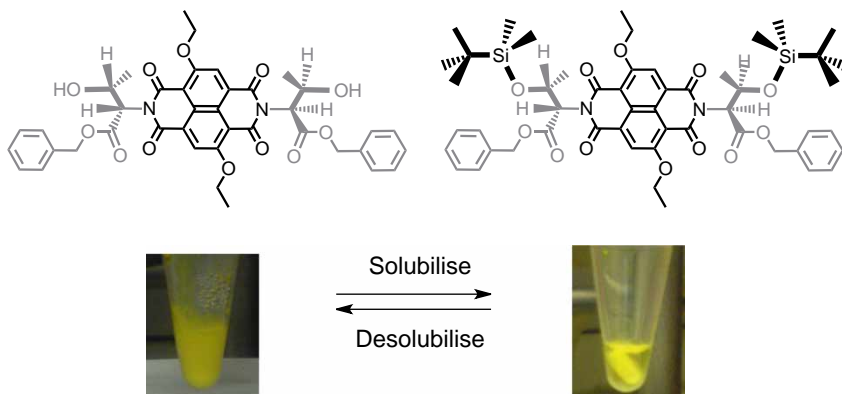
59–64



Takahiro Yoshii, Yasuhiro Kohsaka, Taichi Moriyama, Takao Suzuki, Yasuhito Koyama and Toshikazu Takata

An efficient synthetic entry to rotaxanes utilising reversible cleavage of aromatic disulphide bonds

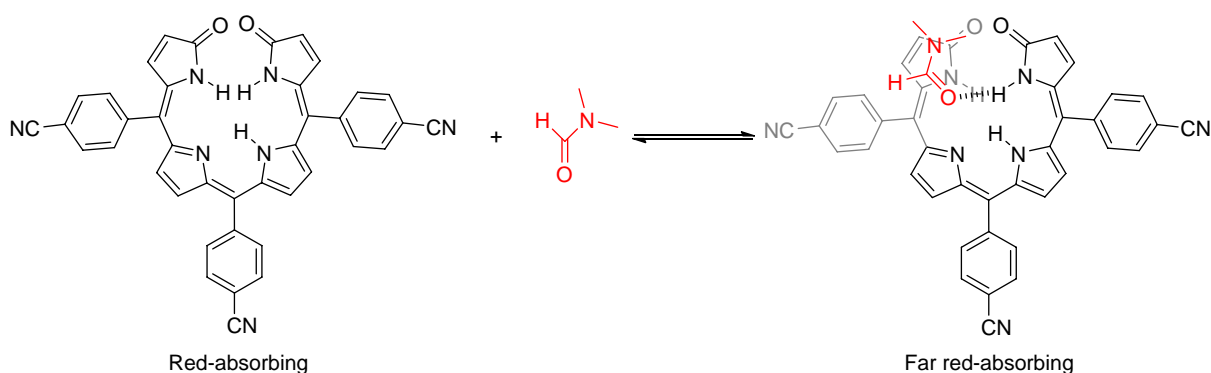
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Velayutham Ravikumar,
Andrea Fin, Naomi Sakai and
Stefan Matile

Solubilising groups: a concep-
tual equivalent of protecting
groups in organic synthesis

69–73

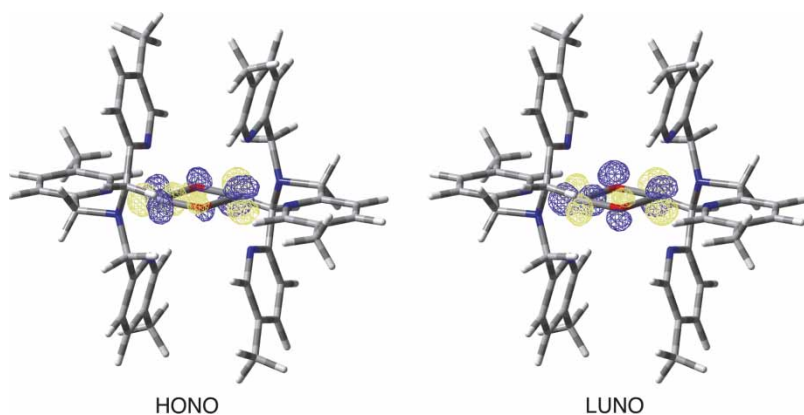


Triaryl bilindiones absorbed red light in protic solvents and apolar solvents, while they absorbed far-red light in aprotic amides. The spectral changes shed light on the photochromism of phytochromes.

Nao Furuta and Tadashi Mizutani

Solvatochromism of triaryl bilindiones: far-red-absorbing bilindiones formed in aprotic amides and amines

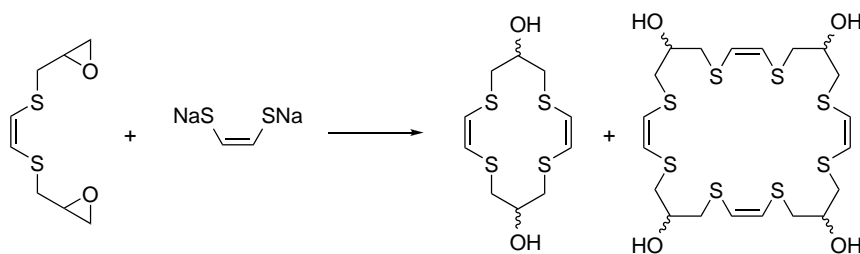
74–82



Toru Saito, Yusuke Kataoka,
Yasuyuki Nakanishi,
Yasutaka Kitagawa, Takashi Kawakami,
Shusuke Yamanaka, Mitsutaka Okumura
and Kizashi Yamaguchi

Theoretical studies on the electronic
structure of the synthetic complex of
soluble methanemonooxygenase
intermediate Q

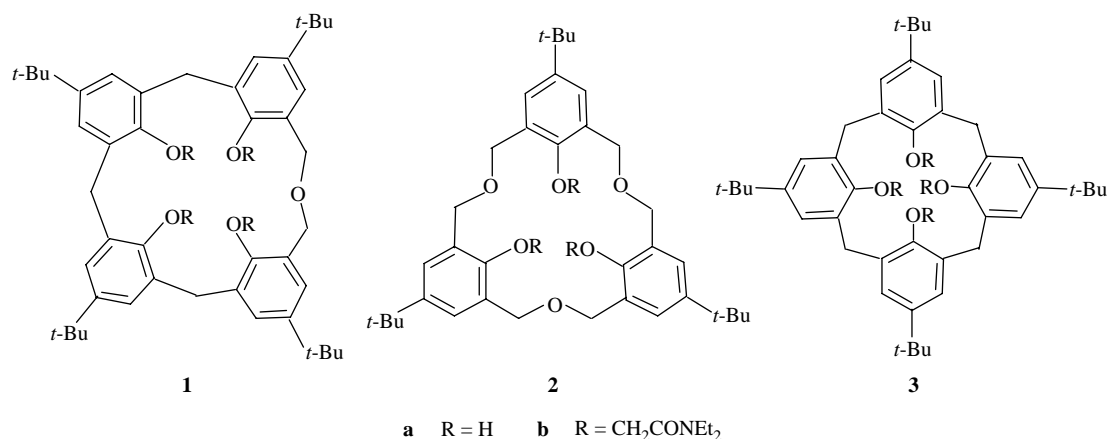
83–87



Toshio Shimizu,
Junryo Kuwahara,
Satoru Komatsuzaki and
Kazunori Hirabayashi

Synthesis and structures of
partially unsaturated thia-
crown ethers with hydroxyl
groups

88–92

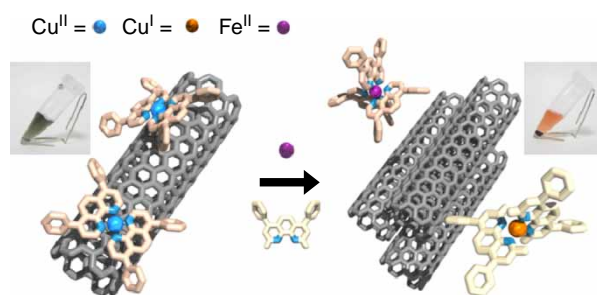


The binding properties of **1b**, **2b** and **3b** towards lanthanide cations were assessed by stability constant measurements in methanol and also by extraction, proton NMR and microcalorimetric studies.

Paula M. Marcos, José R. Ascenso, Manuel A.P. Segurado, Peter J. Cragg, Sylvia Michel, Véronique Hubscher-Bruder and Françoise Arnaud-Neu

Lanthanide cation binding properties of homooxalixarene diethylamide derivatives

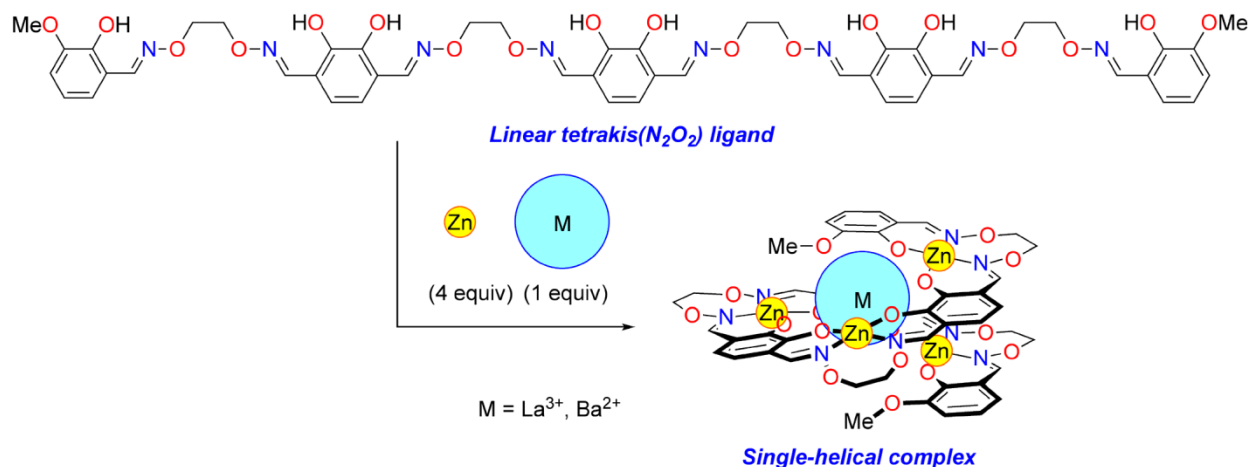
93–101



Kazuyuki Nobusawa, Atsushi Ikeda and
Jun-ichi Kikuchi

Self-assembly control of water-solubilised
single-walled carbon nanotubes by combination
of reduction and ligand exchange reactions of
transition metal complexes

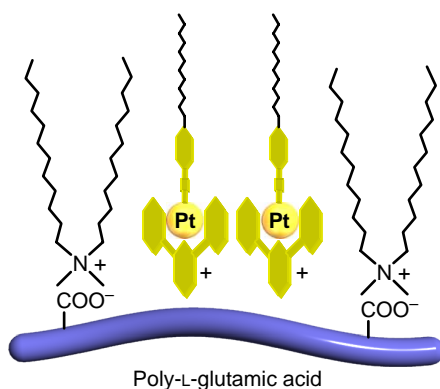
102–105



Shigehisa Akine, Takashi Matsumoto, Shiho Sairenji and Tatsuya Nabeshima

Synthesis of acyclic tetrakis- and pentakis(N_2O_2) ligands for single-helical heterometallic complexes with a greater number of winding turns

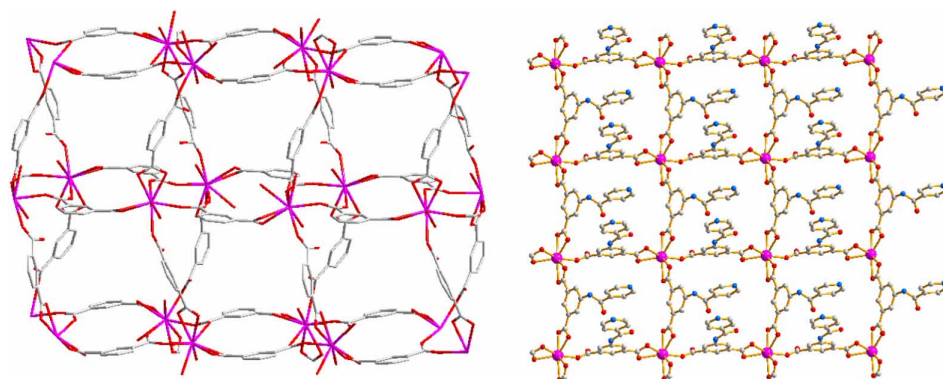
106–112



Toshiyuki Moriuchi, Masahiro Yamada,
Kazuki Yoshii, Satoshi D. Ohmura and
Toshikazu Hirao

Emission properties of platinum(II) terpyridyl
complexes with hydrophobic poly-L-glutamic
acid

113–116



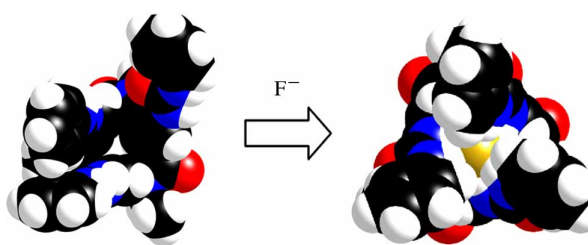
Six new heterometallic coordination polymers have been synthesised by reactions of a pyridyl- and carboxylate-containing ligand 5-(isonicotinamido)phthalic acid with Cu(II)/Co(II) and Ln(III) salts. Complexes **1–3** display twofold interpenetrated 3D structure, while **4–6** display non-interpenetrated 3D network. The luminescent and magnetic properties of the complexes are investigated.

Man-Sheng Chen, Yue Zhao, Taka-Aki Okamura, Zhi Su, Wei-Yin Sun and Norikazu Ueyama

Three-dimensional 3d-4f heterometallic coordination polymers: syntheses, structures and properties

117–124

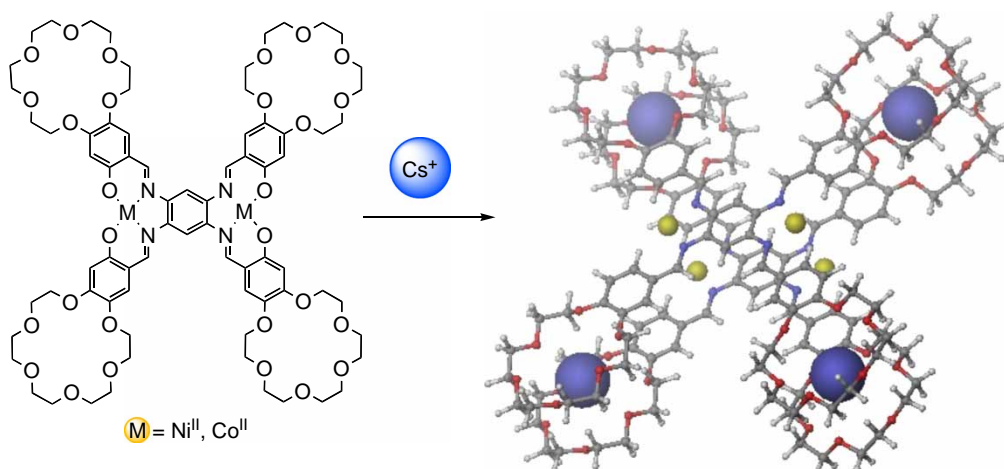
Tris-phenylurea-substituted calix[3]amides (**3a**, **3b**) and tris-phenylthiourea-substituted calix[3]amides (**4a**, **4b**) were synthesised by the reaction of amine with isocyanates and thioisocyanate, respectively. Single crystal X-ray analysis revealed that the cyclic trimers adopt a *syn* conformation with all the urea groups in the same direction. The abilities of these compounds to form complexes with anions were measured using ^1H NMR titrations in DMF- d_7 , DMSO or CDCl_3 . Each receptor bound the halogen anions in a 1:1 stoichiometry and exclusively through H-bond interactions. The anion selectivity was in the order $\text{F}^- > \text{Cl}^- \gg \text{Br}^- > \text{I}^-$. DFT calculations revealed that the halogen anions were anchored in the centre of the six N–H hydrogen atoms through $\text{H}\cdots\text{F}$ interactions and formed a twisted structure.



Kosuke Katagiri,
Taniyuki Furuyama,
Hyuma Masu,
Takako Kato,
Mio Matsumura,
Masanobu Uchiyama,
Aya Tanatani,
Masahide Tominaga
Hiroyuki, Kagechika
Kentaro, Yamaguchi
and Isao Azumaya

Calix[3]amide-based
anion receptors: high
affinity for fluoride
ions and a twisted
binding model

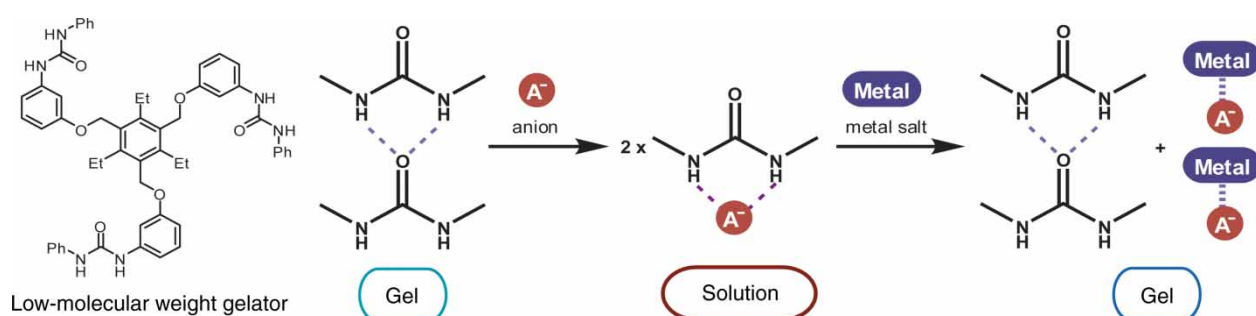
125–130



Hisashi Shimakoshi, Daisuke Maeda and Yoshio Hisaeda

Supramolecular assemblies of crown-substituted dinickel and dicobalt complexes with guest cation binding

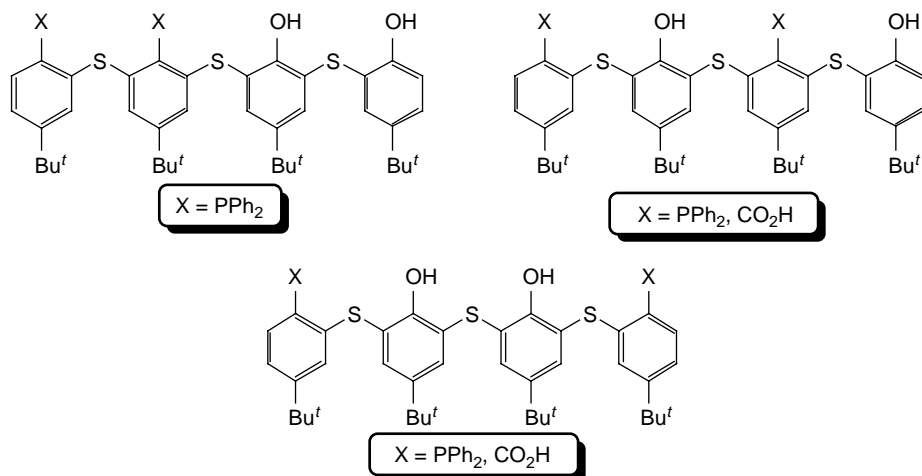
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Ryohei Aoyama, Mawo Amakatsu and Masamichi Yamanaka

Metal salt-induced regulation of acetone solutions of tris-urea low-molecular weight gelator and anions

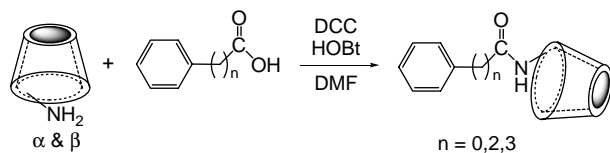
140–143



Yuki Akahira, Kazutoshi Nagata, Naoya Morohashi and Tetsutaro Hattori

Synthesis of novel dihydroxydiphosphines and dihydroxydicarboxylic acids having a tetra(thio-1,3-phenylene-2-yl) backbone

144–155

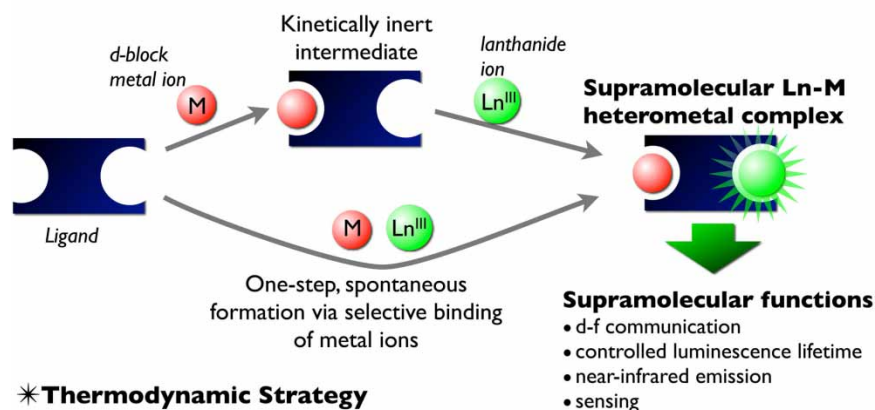


Shoji Fujiwara and Keiko Takahashi

Molecular properties of mono guest-modified cyclodextrins on the secondary site

156–159

***Kinetic Strategy**



***Thermodynamic Strategy**

Nobuhiko Iki

Designing strategies for supramolecular luminescent complex of lanthanide–heterometal assembly

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