

This article was downloaded by: [Pontificia Universidad Javeria]

On: 24 August 2011, At: 13:23

Publisher: Taylor & Francis

Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



Supramolecular Chemistry

Publication details, including instructions for authors and subscription information:

<http://www.tandfonline.com/loi/gsch20>

Index Abstracts

Available online: 13 Apr 2011

To cite this article: (2011): Index Abstracts, Supramolecular Chemistry, 23:03-04, v-xv

To link to this article: <http://dx.doi.org/10.1080/10610278.2011.554636>

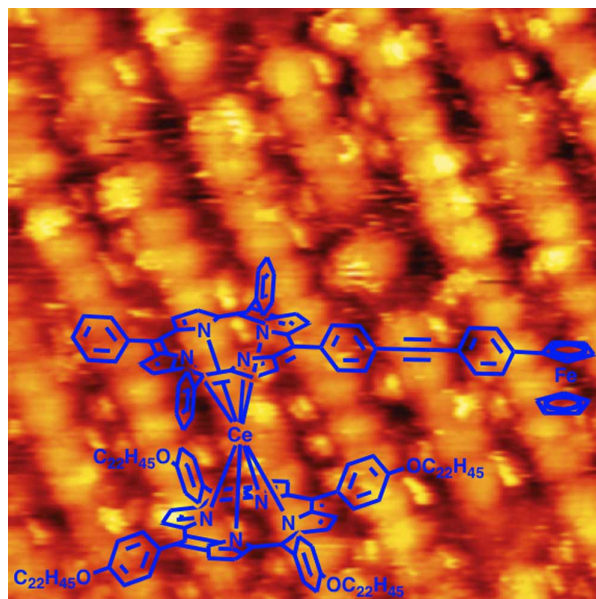
PLEASE SCROLL DOWN FOR ARTICLE

Full terms and conditions of use: <http://www.tandfonline.com/page/terms-and-conditions>

This article may be used for research, teaching and private study purposes. Any substantial or systematic reproduction, re-distribution, re-selling, loan, sub-licensing, systematic supply or distribution in any form to anyone is expressly forbidden.

The publisher does not give any warranty express or implied or make any representation that the contents will be complete or accurate or up to date. The accuracy of any instructions, formulae and drug doses should be independently verified with primary sources. The publisher shall not be liable for any loss, actions, claims, proceedings, demand or costs or damages whatsoever or howsoever caused arising directly or indirectly in connection with or arising out of the use of this material.

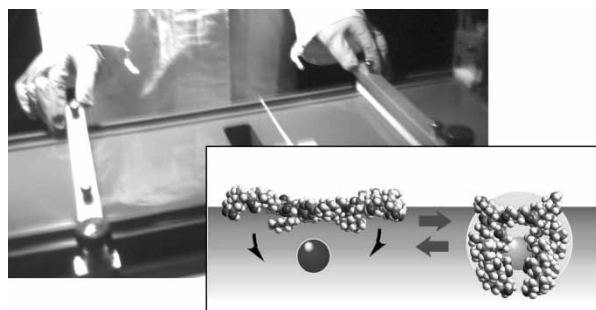
Index Abstracts



Joe Otsuki

STM studies on double- and triple-decker porphyrin and phthalocyanine complexes

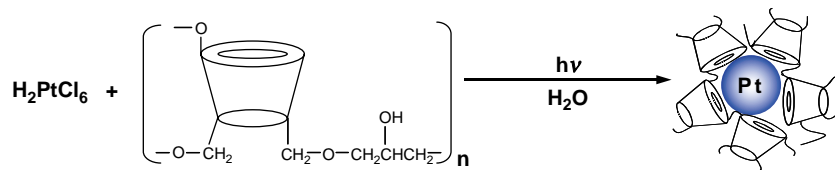
169–182



Katsuhiko Ariga, Keita Sakakibara,
Gary J. Richards and Jonathan P. Hill

Dynamic supramolecular systems at interfaces

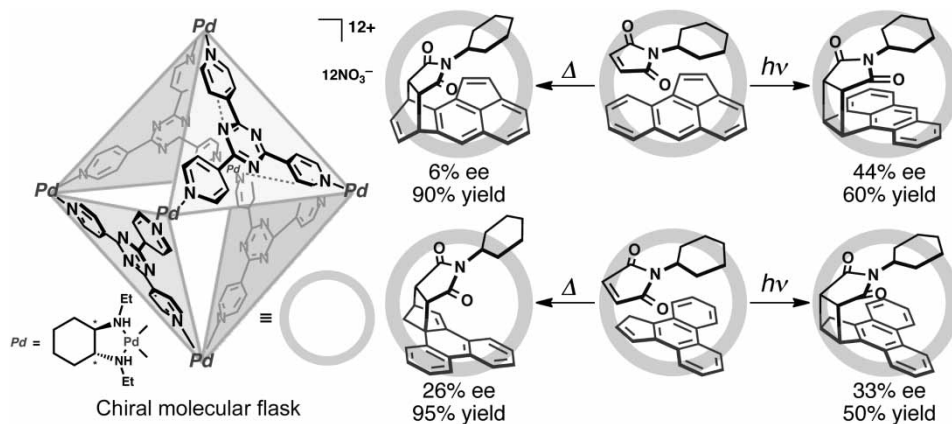
183–194



Yukihide Shiraishi, Miki Hashimura, Momoko Nakao, Tomoyo Ishizu, Masashi Kazita, Yusei Miyamoto and Naoki Toshima

Syntheses of poly(cyclodextrin)-stabilised metal nanoparticles and their quenching abilities of active oxygen species

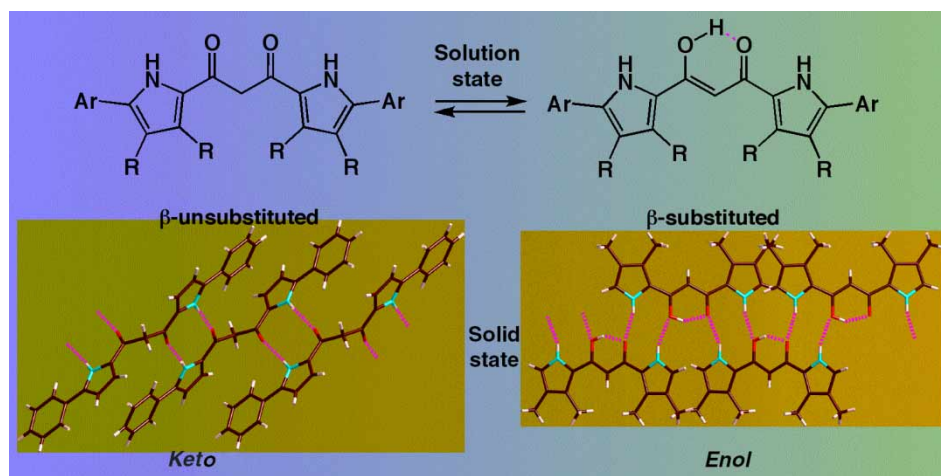
195–198



Takashi Murase, Stéphane Peschard, Shinnosuke Horiuchi, Yuki Nishioka and Makoto Fujita

Remote chiral transfer into [2 + 2] and [2 + 4] cycloadditions within self-assembled molecular flasks

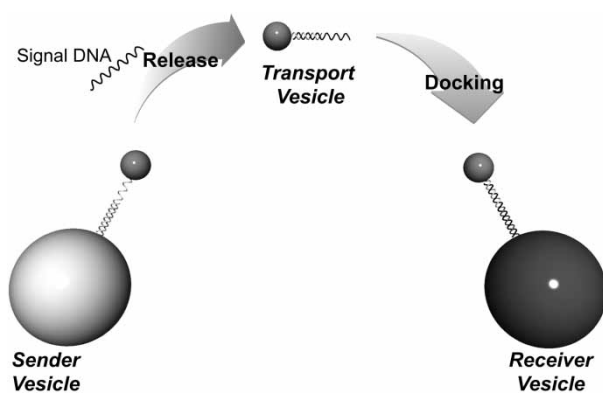
199–208



Yohei Haketa, Nazuki Eifuku, Yuya Bando, Ippei Yamada, Ayano Hagihara and Hiromitsu Maeda

Solid-state hydrogen-bonding self-assemblies and keto–enol tautomerism of 1,3-dipyrrolyl-1,3-propanediones

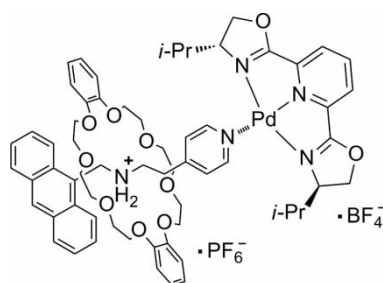
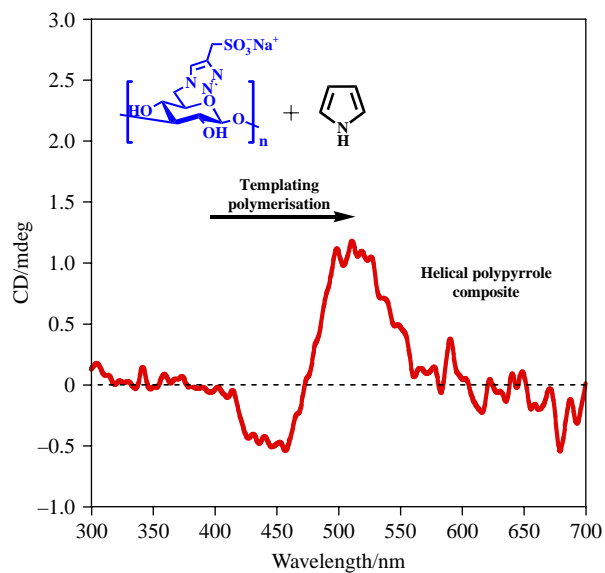
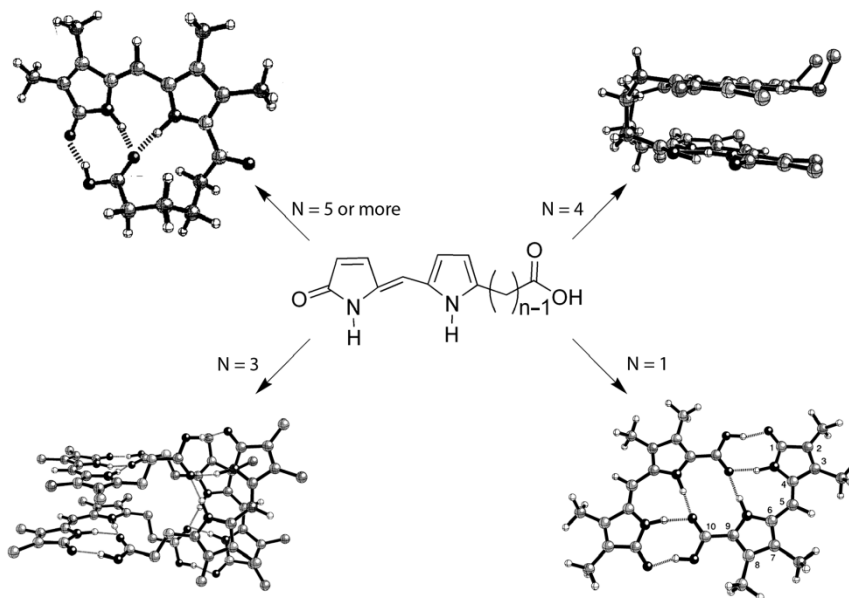
209–217

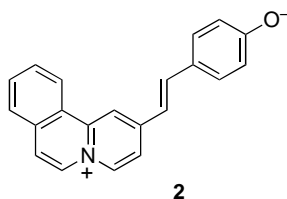
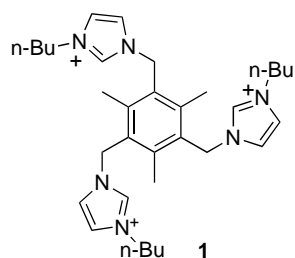


Kazuma Yasuhara, Zhong-Hua Wang, Takahiro Ishikawa, Jun-Ichi Kikuchi, Yoshihiro Sasaki, Satoshi Hiyama, Yuki Moritani and Tatsuya Suda

Specific delivery of transport vesicles mediated by complementary recognition of DNA signals with membrane-bound oligonucleotide lipids

218–225

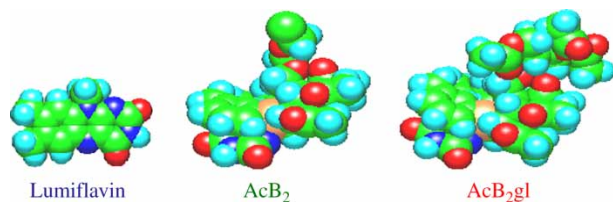




Kiyoshi Sato, Yuko Okabe, Tomomi Onitake,
Motowo Yamaguchi, Sadao Arai and
Takamichi Yamagishi

A colorimetric anion sensing system utilising
competitive C—H···X[−] hydrogen bonding

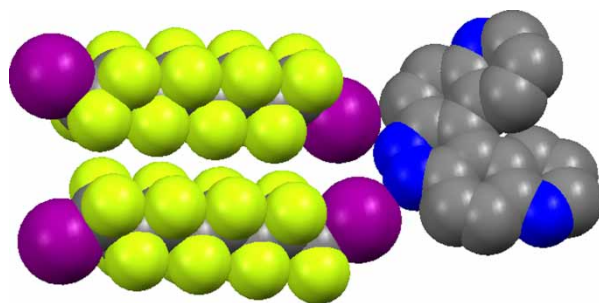
249–251



Keiko Takahashi, Hiroshi Odajima, Saori Nuiya
and Yasushi Hasebe

Redox reaction between *m*-thiocresol and
riboflavin glycosides with 2:1 complex for-
mation; regulation by the steric effect of sugar
in the side chain

252–255

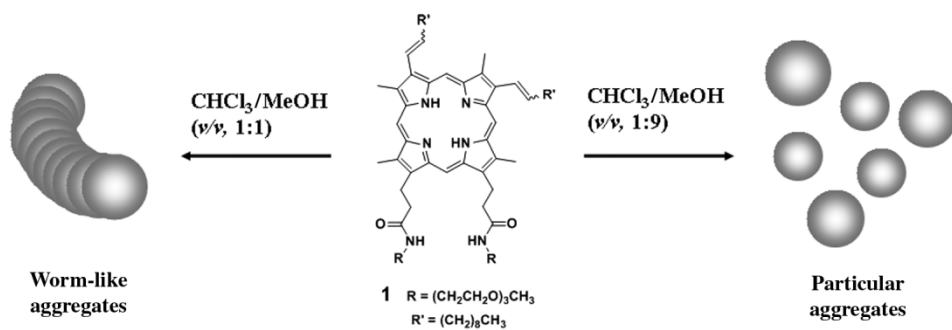


The self-assembly of 1,8-diiodoperfluorooctane with 4,7,8,11-tetraazahelicene revealed a site-selective pattern of halogen bonds in the solid state. In fact, the N···I—C bonding formation occurred selectively on the pyridazinic/cinnolinic nitrogen atoms of the tetraazahelicene unit, which were preferred over the pyridinic/quinolinic ones. DFT calculations predicted and explained well this site-selective halogen bonding formation.

Serena Biella, Massimo Cametti, Tullio Caronna, Gabriella Cavallo, Alessandra Forni,
Pierangelo Metrangolo, Tullio Pilati, Giuseppe Resnati and Giancarlo Terraneo

Site-selective assembly between 1,8-diiodoperfluorooctane and 4,7,8,11-tetraazahelicene
driven by halogen bonding

256–262

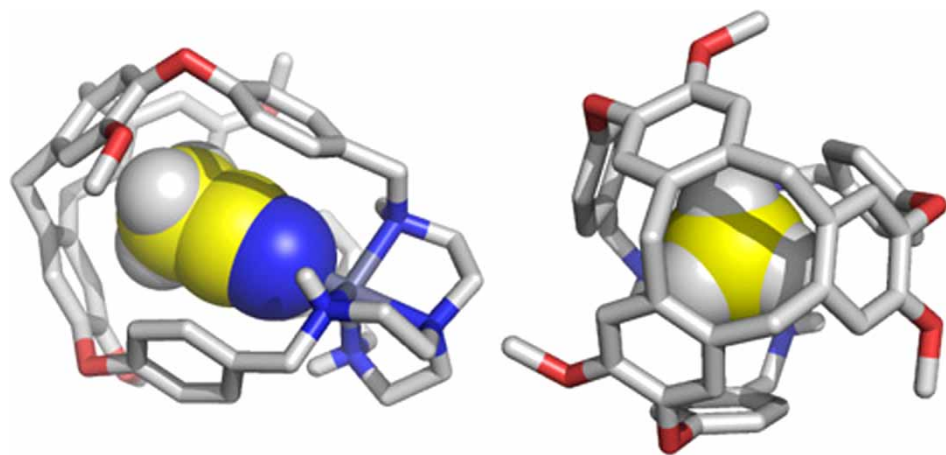


Controlled aggregation of novel alkyl- and TEG-substituted protoporphyrin derivative **1** was studied in $\text{CHCl}_3/\text{MeOH}$. Protoporphyrins **1** self-assembled into the worm-like and particular aggregates in varying concentration of MeOH in CHCl_3 .

Sheshanath V. Bhosale, Mohan B. Kalyankar, Sidhanath V. Bhosale, Sudhakar G. Patil
Cecilia H. Lalander, Steven J. Langford and Santosh V. Nalage

Supramolecular self-assembly of protoporphyrin IX amphiphiles into worm-like and particular aggregates

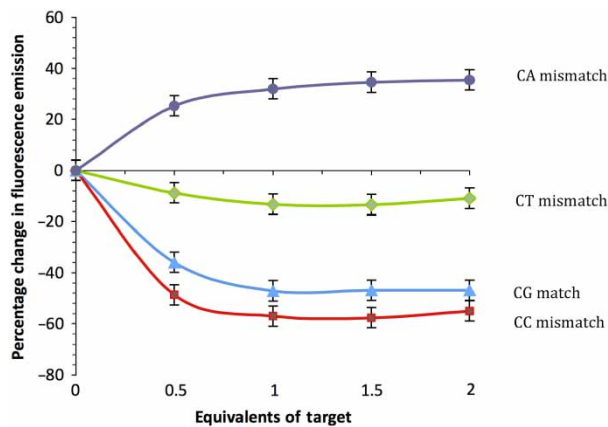
263–268



Yoshimasa Makita, Kazuya Sugimoto, Kenta Furuyoshi, Keisuke Ikeda, Tomoyuki Fujita
Shin-Ichi Fujiwara and Akiya Ogawa

Zinc(II)-included hemicryptophane: coordination of an acetonitrile guest within the cavity

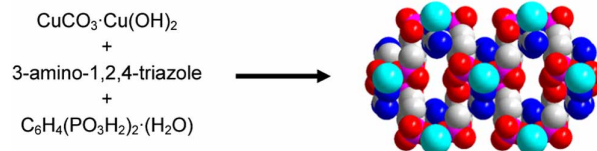
269–272



Jean-Louis H.A. Duprey, Dario M. Bassani, Eva I. Hyde, Christian Ludwig, Alison Rodger, Joseph S. Vyle, John Wilkie, Zheng-Yun Zhao and James H.R. Tucker

Anthracene-modified oligonucleotides as fluorescent DNA mismatch sensors: discrimination between various base-pair mismatches

273–277

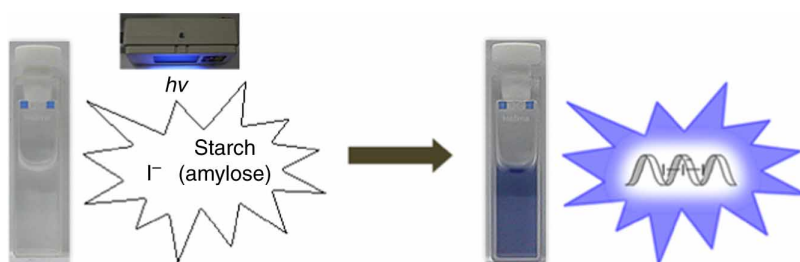


The dense Cu(1,4-benzenedihydrogenphosphonate) structure can be interspersed with a neutral N-heterocycle to yield a potential route to amine-lined micropores in coordination polymers.

Ramanathan Vaidhyathan, Junmei Liang, Simon S. Iremonger and George K.H. Shimizu

A route to functionalised pores in coordination polymers via mixed phosphonate and amino-triazole linkers

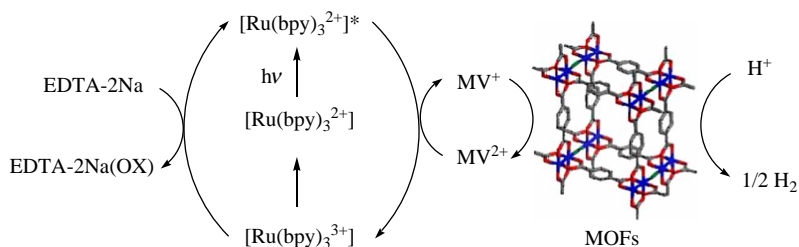
278–282



Jung-Hwa Choi, In-Ho Ahn, Jonathan L. Sessler and Dong-Gyu Cho

Colorimetric iodide detection in water: a new photo-activated indicator system

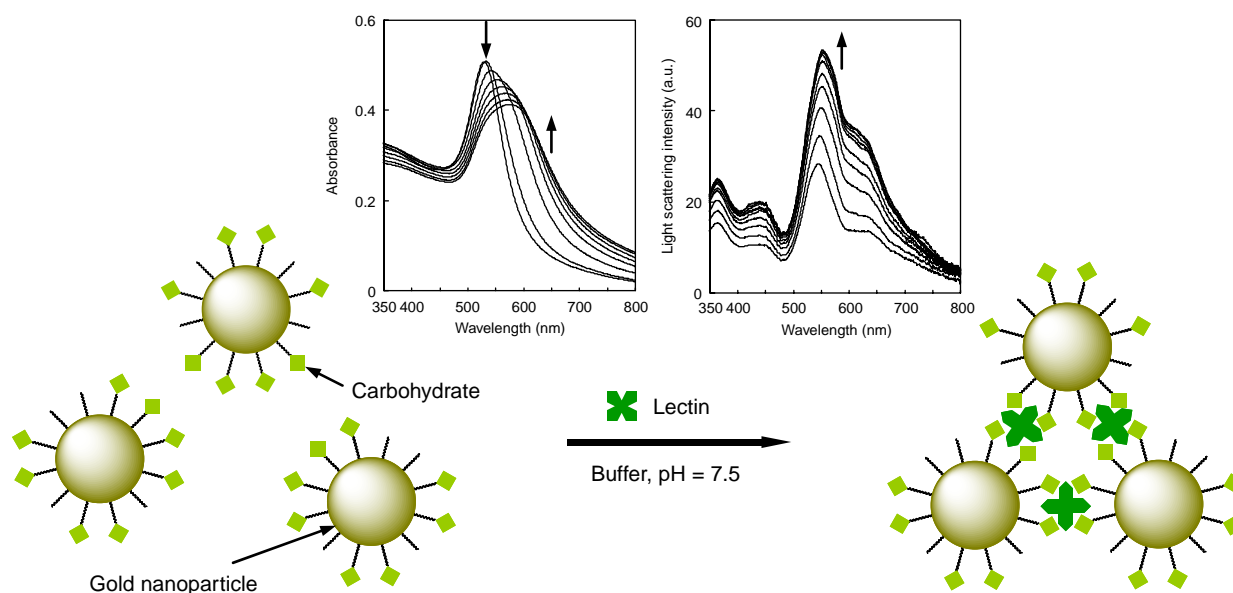
283–286



Yusuke Kataoka, Yuhei Miyazaki, Konomi Sato, Toru Saito, Yasuyuki Nakanishi, Yasutaka Kiatagawa, Takashi Kawakami, Mitsutaka Okumura, Kizashi Yamaguchi and Wasuke Mori

Modification of MOF catalysts by manipulation of counter-ions: experimental and theoretical studies of photochemical hydrogen production from water over microporous diruthenium (II, III) coordination polymers

287–296

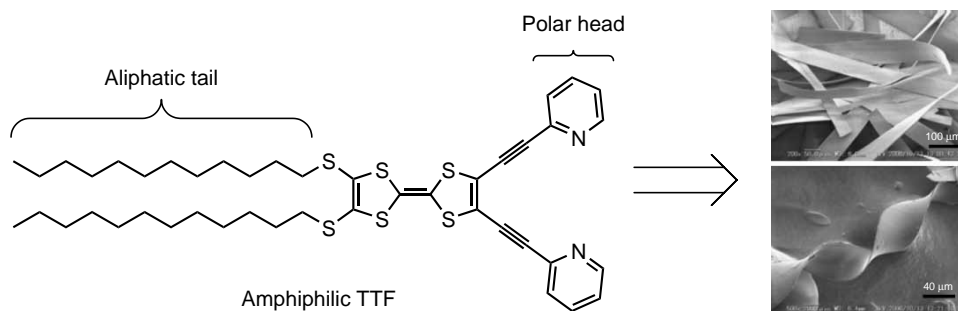


Glycoconjugated gold nanoparticle aggregation was induced by protein–carbohydrate interaction, which shifted the plasmon absorption to longer wavelengths and increased the intensity of plasmon light scattering.

Shigeru Watanabe, Shuji Yamamoto, Kazuma Yoshida, Keitaro Shinkawa, Daisuke Kumagawa and Hideki Seguchi

Surface plasmon resonance scattering and absorption sensing of Concanavalin A using glycoconjugated gold

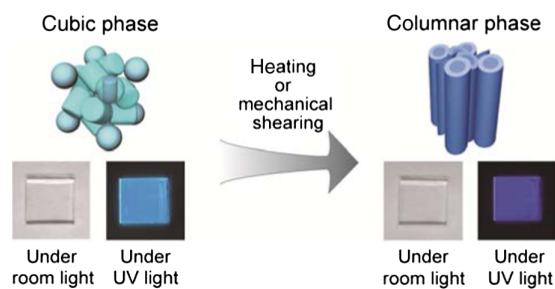
297–303



Eigo Isomura, Tohru Nishinaga and Masahiko Iyoda

Self-assembly and nanostructure formation of amphiphilic 4,5-bis(2-pyridylethynyl)tetra-thiafulvalenes

304–309

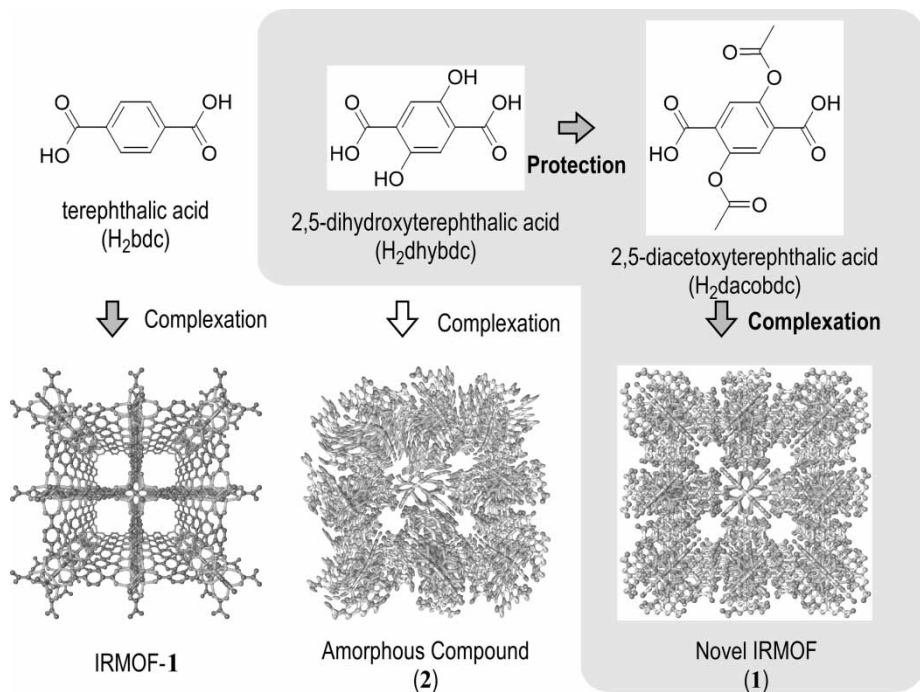


A liquid-crystalline 1,5-naphtharene derivative having dendritic moieties and amide groups has been prepared. The mechanical and thermal stimuli induce the phase transition of this compound from the cubic phase to the columnar phase, leading to the luminescent colour change from light blue to blue. This material is colourless due to little absorption in the visible region.

Yoshimitsu Sagara and Takashi Kato

A mechanical and thermal responsive luminescent liquid crystal forming a colourless film under room light

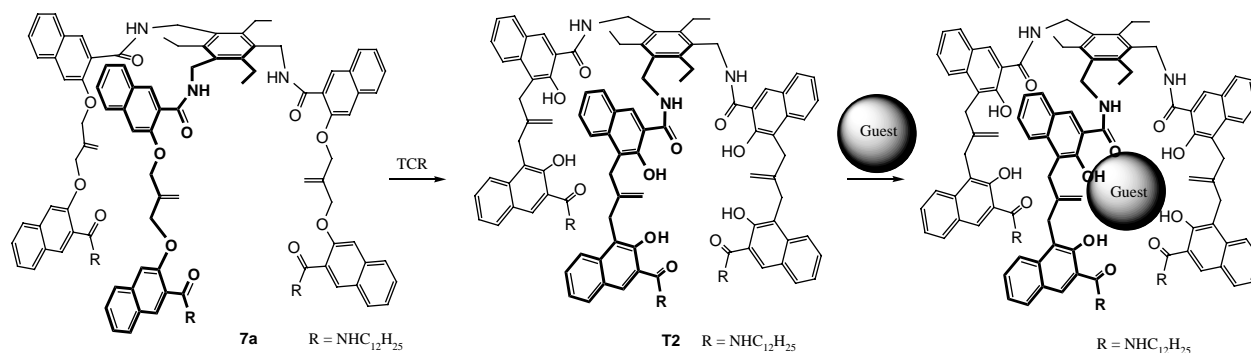
310–314



T. Yamada and H. Kitagawa

Synthesis of a novel iso-reticular metal–organic framework by protection and complexation of 2,5-dihydroxyterephthalic acid

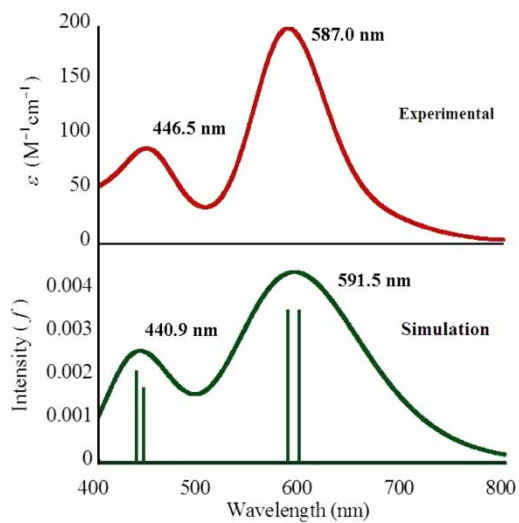
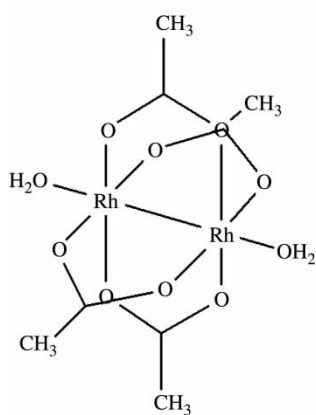
315–318



Jie Hao, Kazuhisa Hiratani, Naohiro Kameta and Toru Oba

Synthesis of tripodands with multiple hydroxyl and amide groups exhibiting fluorescent anion sensing

319–328



Yusuke Kataoka,
Yasutaka Kitagawa, Toru Saito,
Yasuyuki Nakanishi,
Konomi Sato, Yuhei Miyazaki,
Takashi Kawakami,
Mitsutaka Okumura,
Wasuke Mori and
Kizashi Yamaguchi

Theoretical study of absorption
spectrum of dirhodium tetracar-
boxylate complex
[Rh₂(CH₃COO)₄(H₂O)₂] in
aqueous solution revisited

329–336