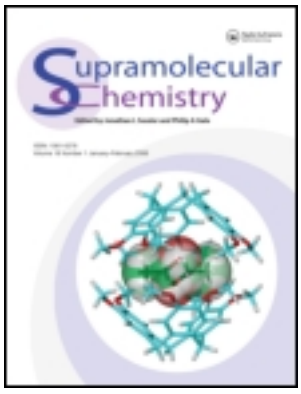


Supramolecular Chemistry
Publication details, including instructions for authors and subscription information:
http://www.tandfonline.com/loi/gsch20

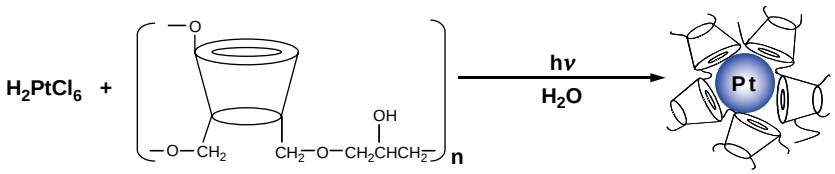
Index Abstracts

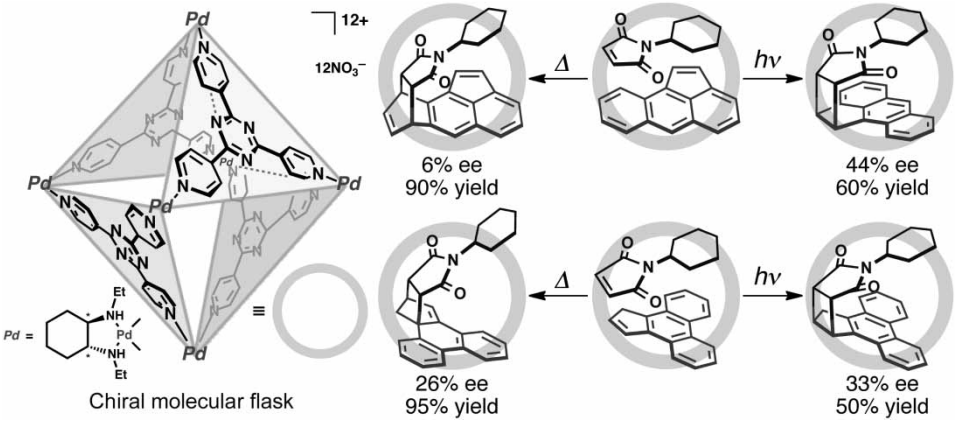
Available online: 13 Apr 2011

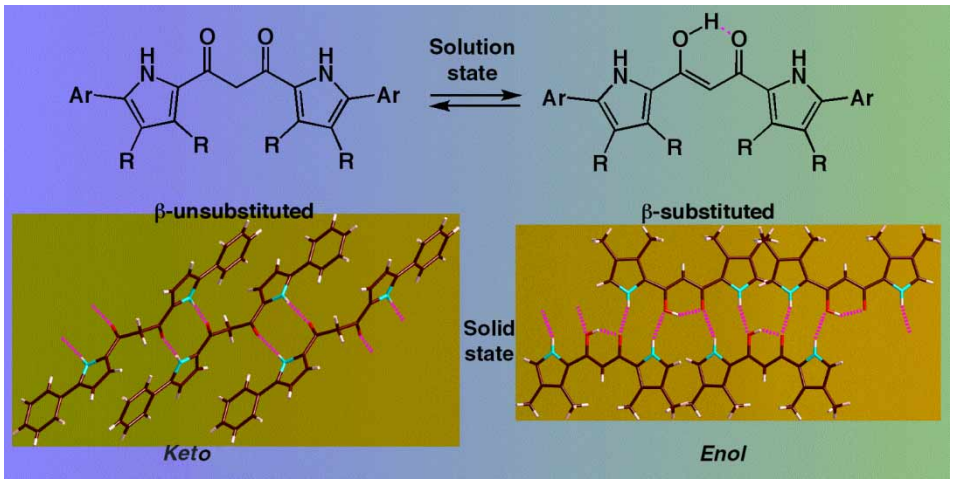
To cite this article: (2011): Index Abstracts, Supramolecular Chemistry, 23:03-04, v-xv

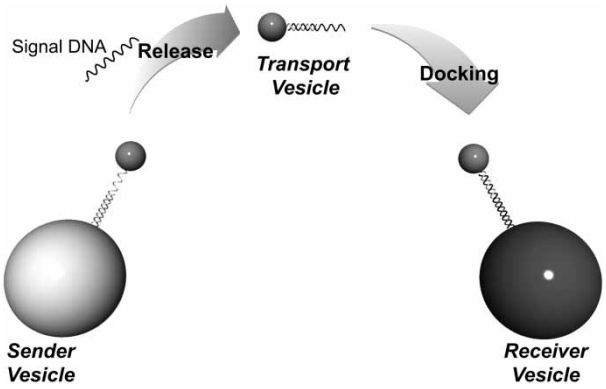
To link to this article: http://dx.doi.org/10.1080/10610278.2011.554636

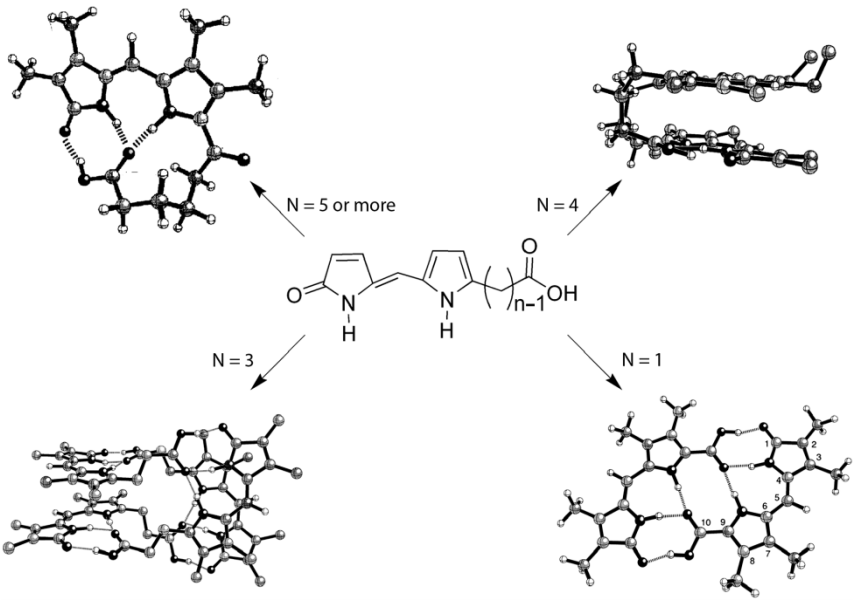
Index Abstracts

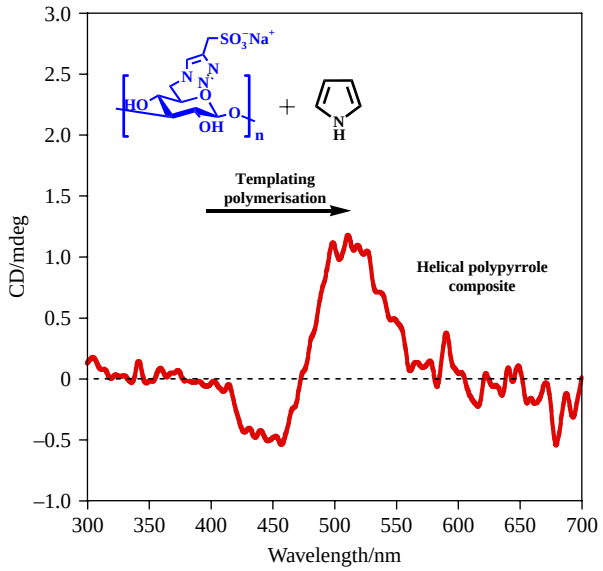


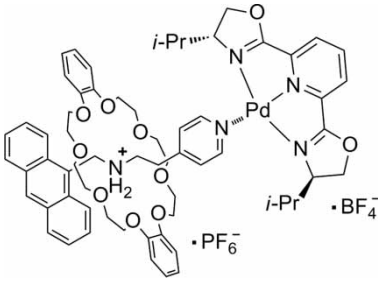


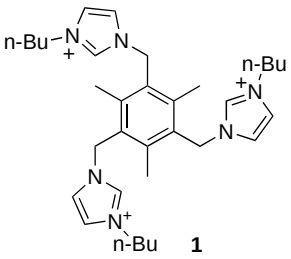












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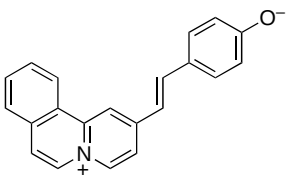

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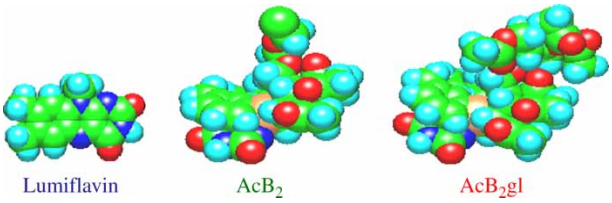
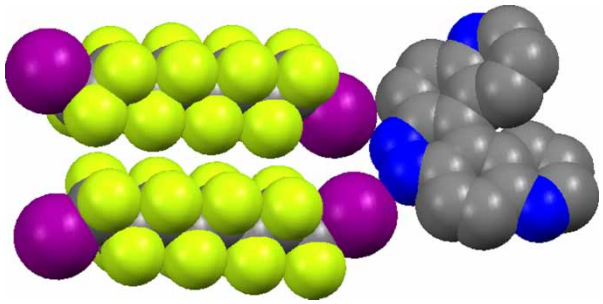
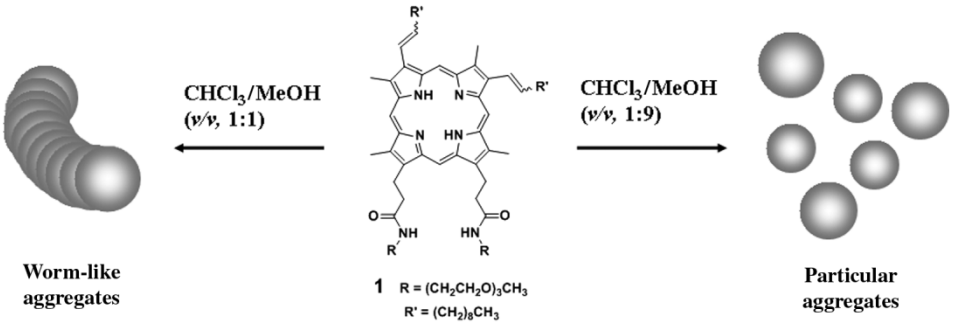




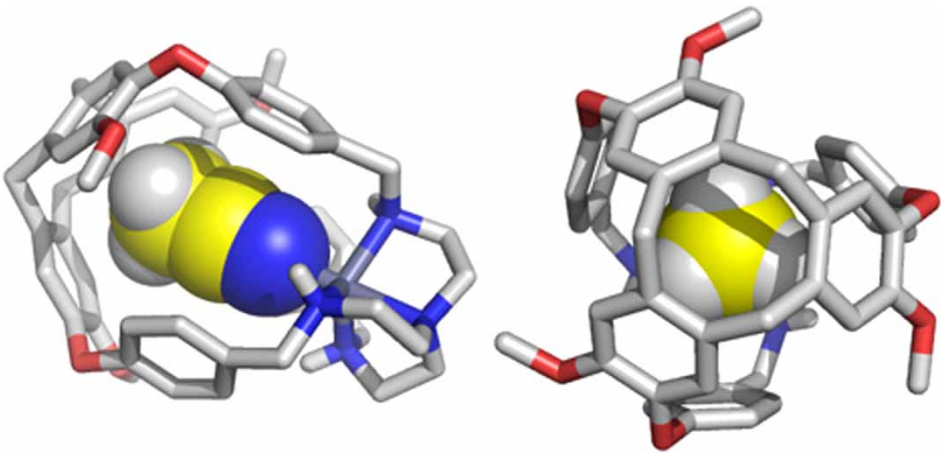
The self-assembly of 1,8-diiodoperfluorooctane with 4,7,8,11-tetraazahelicene revealed a site-selective pattern of halogen bonds in the solid state. In fact, the N···I—C bonding formation occurred selectively on the pyridazinic/cinnolinic nitrogen atoms of the tetraazahelicene unit, which were preferred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



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

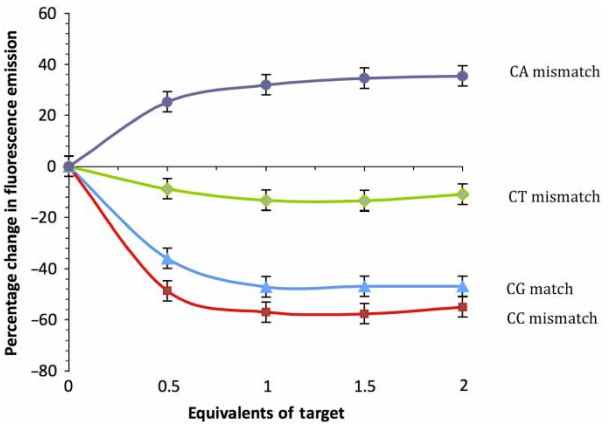
Sheshanath V. Bhosale, Mohan B. Kalyankar, Sidhanath V. Bhosale, Sudhakar G. Patil
Cecilia H. Lalander, Steven J. Langford and Santosh V. Nalage

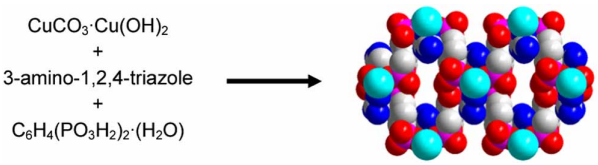
Supramolecular self-assembly of protoporphyrin IX amphiphiles into worm-like and particular aggregates

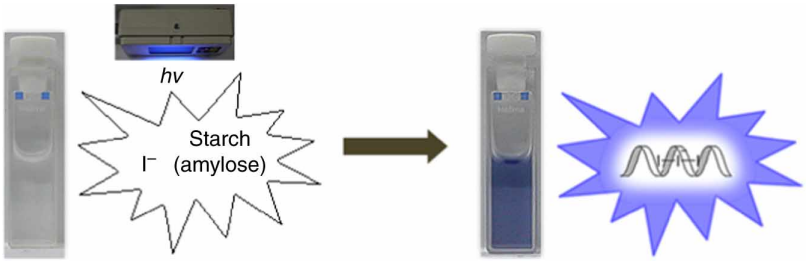


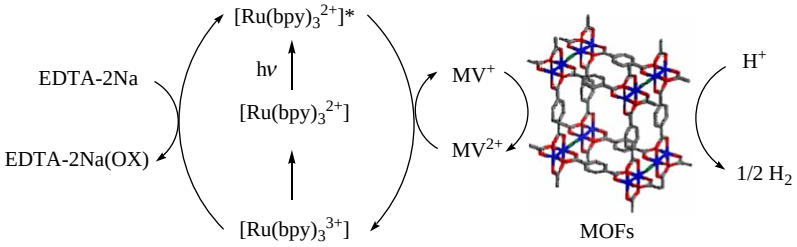
Yoshimasa Makita, Kazuya Sugimoto, Kenta Furuyoshi, Keisuke Ikeda, Tomoyuki Fujita
Shin-Ichi Fujiwara and Akiya Ogawa

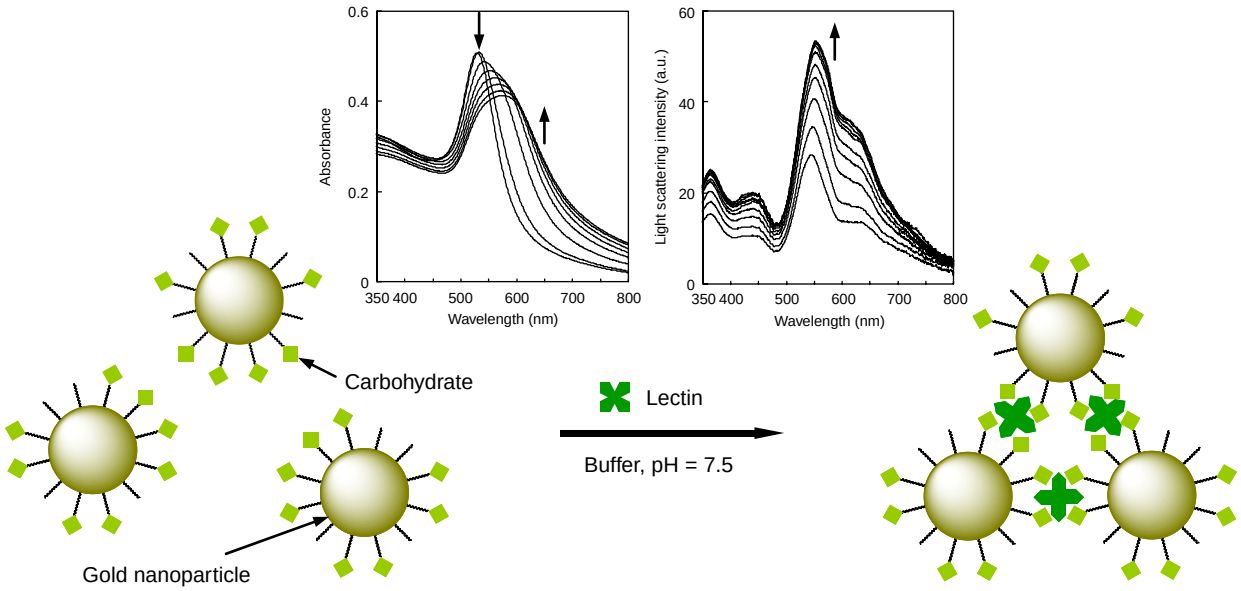
Zinc(II)-included hemicryptophane: coordination of an acetonitrile guest within the cavity

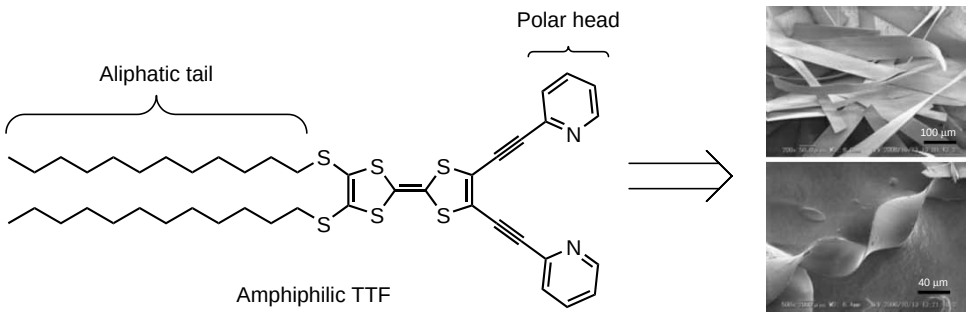


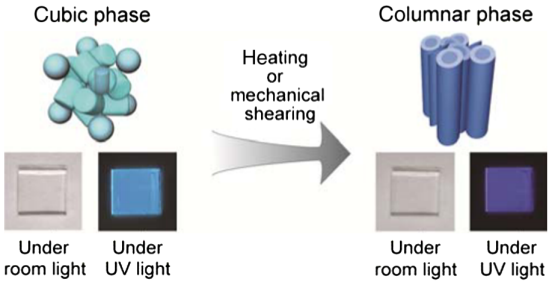




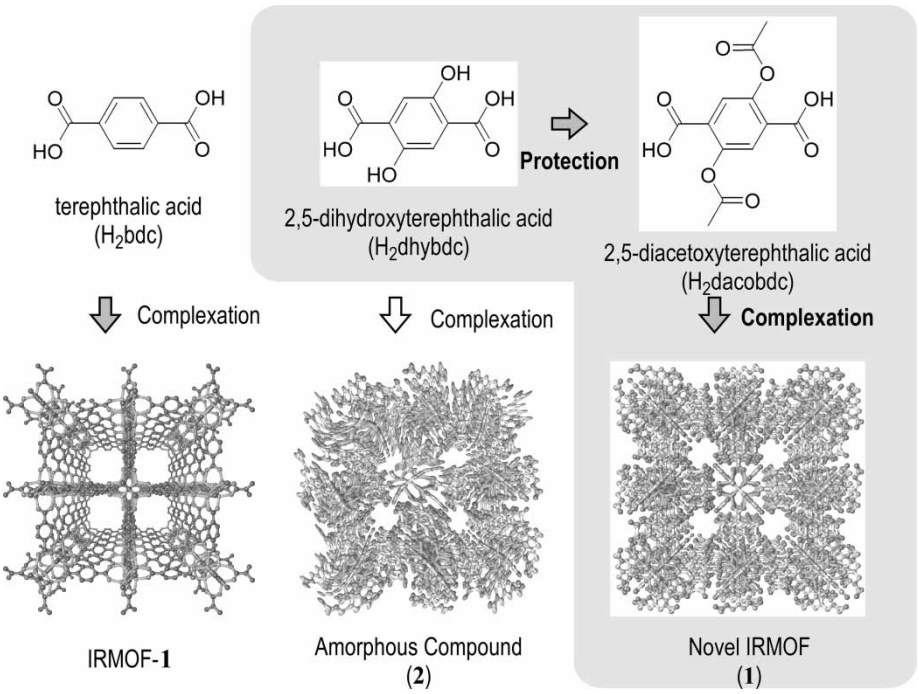






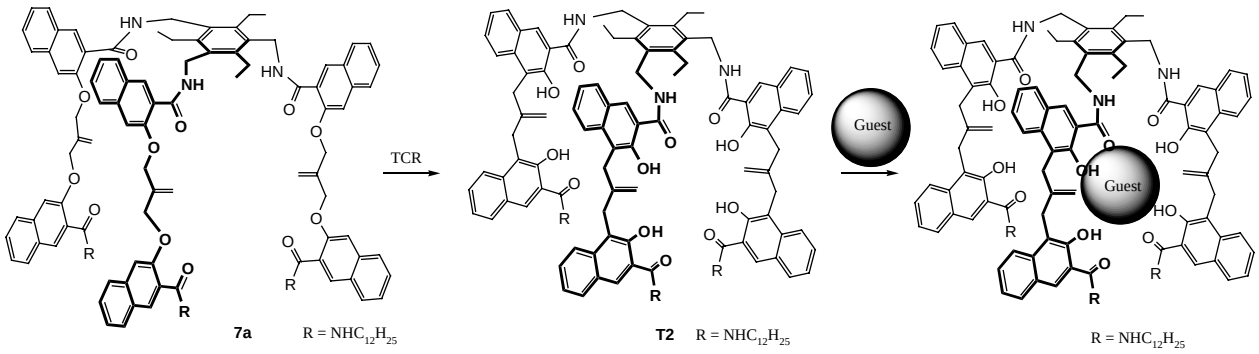


A liquid-crystalline 1,5-naphtharene derivative having dendritic moieties and amide groups has been prepared. The mechanical and thermal stimuli induce the phase transition of this compound from the cubic phase to the columnar phase, leading to the luminescent colour change from light blue to blue. This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



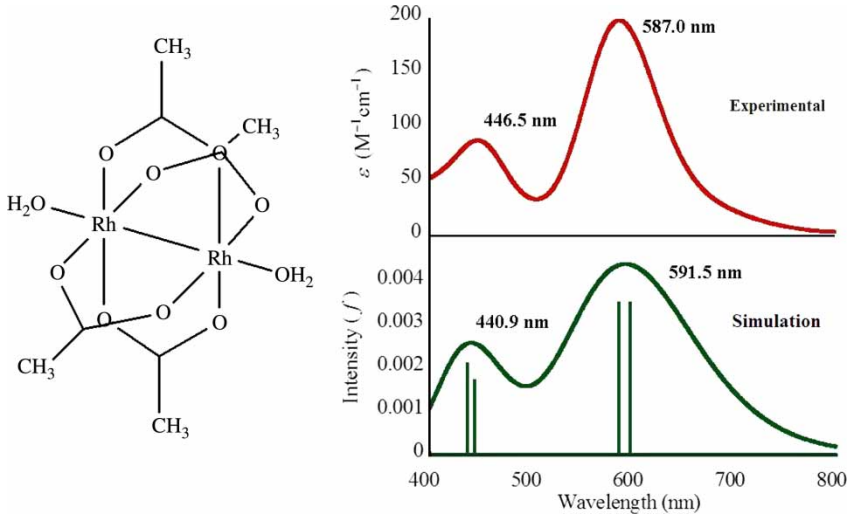
T. Yamada and H. Kitagawa

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



Jie Hao, Kazuhisa Hiratani, Naohiro Kameta and Toru Oba

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



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 tetracarboxylate complex $[Rh_2(CH_3COO)_4(H_2O)_2]$ in aqueous solution revisited