

IN THIS ISSUE

ISSN 2058-9689 CODEN MSDEBG 11(4) 319-394 (2026)



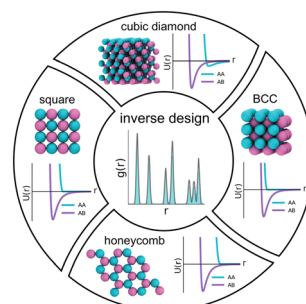
Cover
See Michael P. Howard, Jeetain Mittal *et al.*, pp. 324-335.
Image reproduced by permission of Hsiao-Yen Beth Wei and Jeetain Mittal from *Mol. Syst. Des. Eng.*, 2026, **11**, 324.

PAPERS

324

Design of simple interactions to assemble complex crystals from binary mixtures of colloidal particles

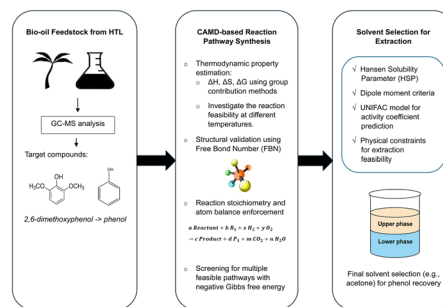
Beth Hsiao-Yen Wei, C. Levi Petix, Qizan Chen, Michael P. Howard* and Jeetain Mittal*



336

Reaction pathway identification through computer-aided molecular design to enhance phenol production from bio-oil

Yen Qin Lee, Suchithra Thangalazhy-Gopakumar and Nishanth G. Chemmangattuvalappil*





Advance your career in science

with professional recognition that showcases your **experience, expertise and dedication**

Stand out from the crowd

Prove your commitment to attaining excellence in your field

Gain the recognition you deserve

Achieve a professional qualification that inspires confidence and trust

Unlock your career potential

Apply for our professional registers (RSci, RSciTech) or chartered status (CChem, CSci, CEnv)

Apply now

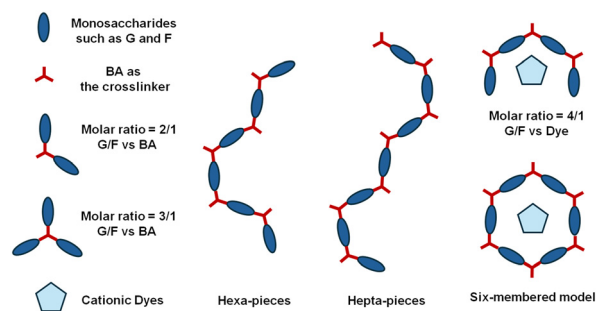
rsc.li/professional-development



351

Glucose/fructose-based boric acid-bridged *in situ* generated macrocyclic polymers and their behaviors in capturing dyes

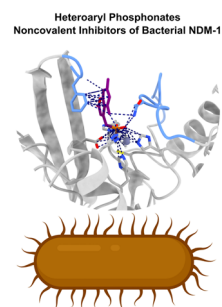
Zhaona Liu, Make Li, Yangyang Zheng and Huacheng Zhang*



364

Multiscale design principles for noncovalent heteroaryl phosphonate inhibitors targeting NDM-1

Alessandra Moraes Balieiro, Thavendran Govender, Hendrik G. Kruger, Tricia Naicker, Jerônimo Lameira and José Rogério A. Silva*



379

Molecular insight into the occurrence characteristics of confined shale oil with associated gas

Qingyang Hu, Dong Liang, Zichang Wang, Huaxiao Xie, Lixia Zhou, Jun Zhang and Youguo Yan*

