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Cover

See Florian Glöcklhofer *et al.*, pp. 713–720.

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EDITORIAL

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Introduction to molecular engineering in MOFs: beyond reticular chemistry

Marco Taddei, Ashlee J. Howarth and Takashi Uemura

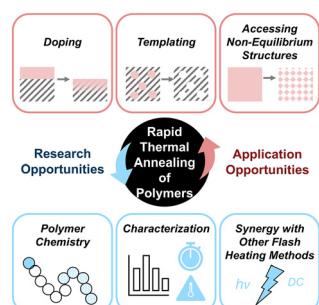


REVIEW

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Recent advances and emerging opportunities in rapid thermal annealing (RTA) of polymers

Reika Katsumata,* Claire Senger
and James Nicolas Pagaduan



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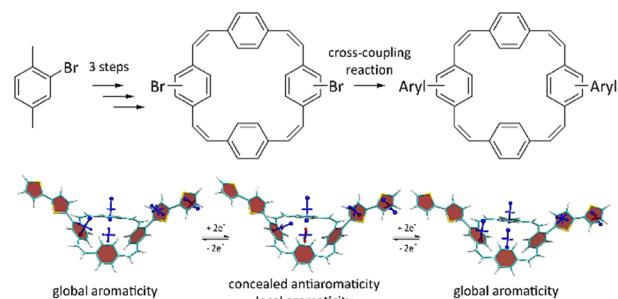


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Functionalisation of conjugated macrocycles with type I and II concealed antiaromaticity *via* cross-coupling reactions

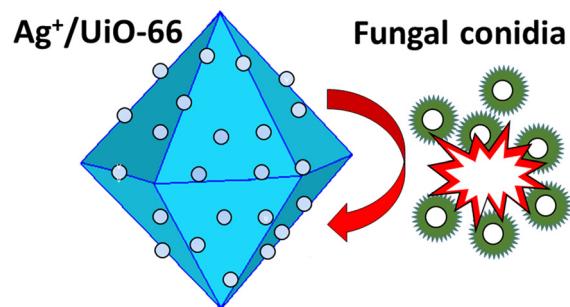
Troy L. R. Bennett, Adam V. Marsh, James M. Turner, Felix Plasser, Martin Heeney and Florian Glöcklhofer*



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Nanosilver-loaded metal-organic framework UiO-66 with strong fungicidal activity

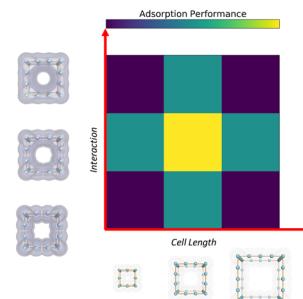
Carolina Chiericatti, Luis A. Lozano and Juan M. Zamaro*



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Molecular understanding of the impacts of structural characteristics on ethanol adsorption performance for adsorption heat pumps

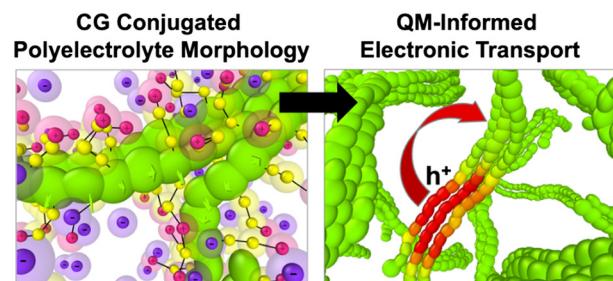
Wei Li, Zhilu Liu, Weixiong Wu and Song Li*



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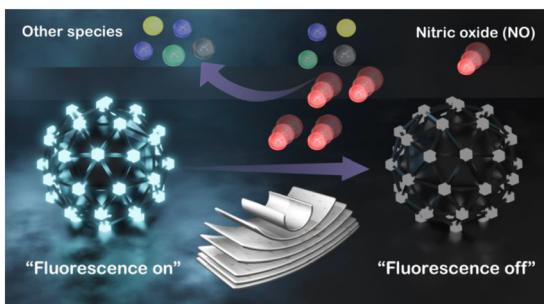
Electron and ion transport in semi-dilute conjugated polyelectrolytes: view from a coarse-grained tight binding model

David M. Friday and Nicholas E. Jackson*



PAPERS

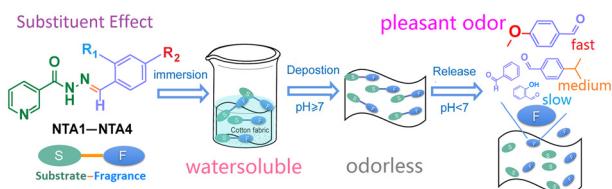
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Post engineering of a chemically stable MOF for selective and sensitive sensing of nitric oxide

Writakshi Mandal, Dipanjan Majumder, Sahel Fajal, Sumanta Let, Mandar M. Shirolkar and Sujit K. Ghosh*

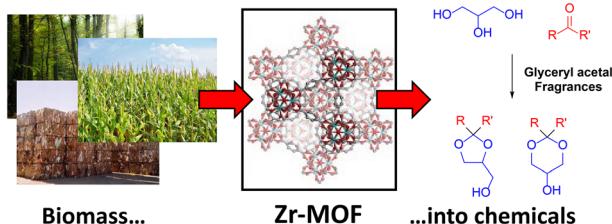
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Substituent effect on controlled release of fragrant aldehydes from pH-triggered nicotinoylhydrazone-based precursors

Zuobing Xiao, Chengjing Wu, Xinyu Lu,* Yunwei Niu, Peiran Yu and Xiaojie Ma

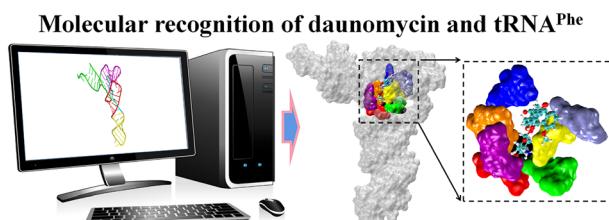
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Zr-containing UiO-66 metal-organic frameworks as efficient heterogeneous catalysts for glycerol valorization: synthesis of hyacinth and other glyceryl acetal fragrances

A. Rapeyko,* J. C. Díaz Infante and F. X. Llabrés i Xamena*

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***In silico* study of the binding of daunomycin and phenylalanine transfer RNA: probe molecular recognition for structure-based drug design**

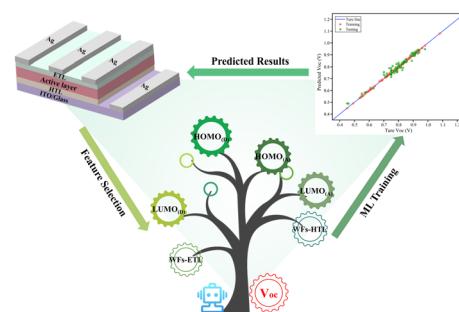
Gonghao Wu, Jipeng Li, Jianxin Yang* and Xingqing Xiao*



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Machine learning assisted identification of the matched energy level of materials for high open circuit voltage in binary organic solar cells

Kuo Wang, Chaorong Guo, Zhennan Li, Rui Zhang, Zhimin Feng, Gengkun Fang, Di Huang,* Jiaojiao Liang,* Ling Zhao* and Zichia Li



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Peripherally and non-peripherally carboxylic acid substituted Cu(II) phthalocyanine/reduced graphene oxide nanohybrids for hydrogen evolution reaction catalysts

Ekrem Kaplan, Tolga Karazehir, Selin Gümrükçü, Baran Sarac, A. Sezai Sarac and Esin Hamuryudan*

