ChemComm

Chemical Communications

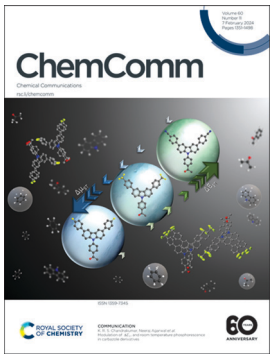
rsc.li/chemcomm

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

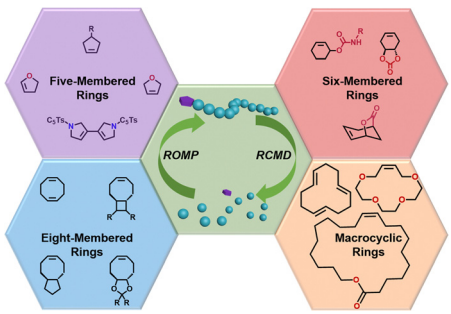
ISSN 1359–7345 CODEN CHCOFS 60(11) 1351–1498 (2024)

Cover
See Agnes H. H. Chang, Patrick Hemberger, Ralf I. Kaiser *et al.*, pp. 1404–1407.
Background image adapted from Judy Schmidt (distributed under a Creative Commons Attribution License 2.0 (CC BY): https://creativecommons.org/licenses/by/2.0/).
Image reproduced by permission of Shane J. Goettl from *Chem. Commun.*, 2024, **60**, 1404.

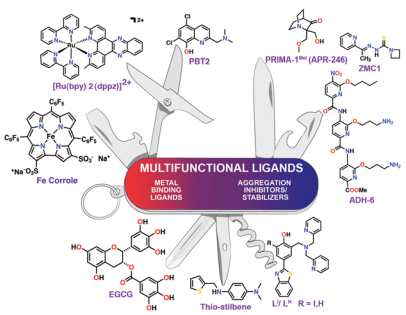


Inside cover
See K. R. S. Chandrakumar, Neeraj Agarwal *et al.*, pp. 1408–1411.
Image reproduced by permission of Neeraj Agarwal from *Chem. Commun.*, 2024, **60**, 1408.

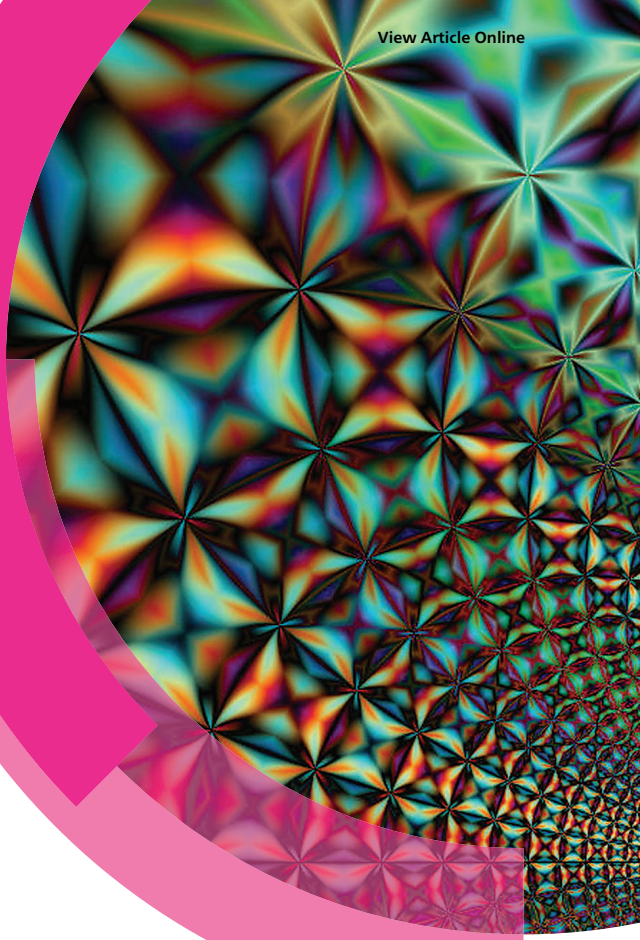
HIGHLIGHT



FEATURE ARTICLES



ROYAL SOCIETY OF CHEMISTRY



RSC Advances

At the heart of open access for the global chemistry community

Editor-in-chief

Russell J Cox
Leibniz Universität Hannover, Germany

We stand for:

Breadth We publish work in all areas of chemistry and reach a global readership

Affordability Low APCs, discounts and waivers make publishing open access achievable and sustainable

Quality Research to advance the chemical sciences undergoes rigorous peer review for a trusted, society-run journal

Community Led by active researchers, we publish quality work from scientists at every career stage, and all countries

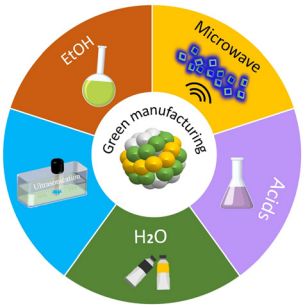
Submit your work now

rsc.li/rsc-advances

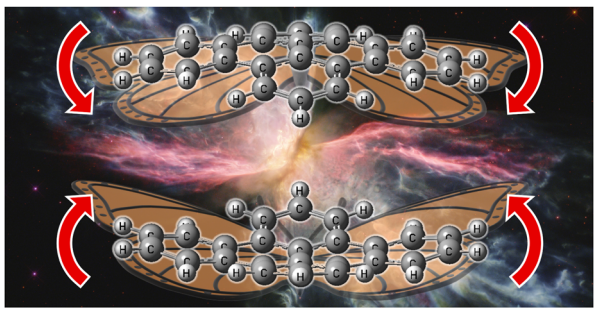
@RSC_Adv

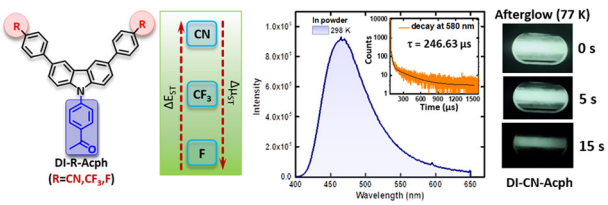
Registered charity number: 207890

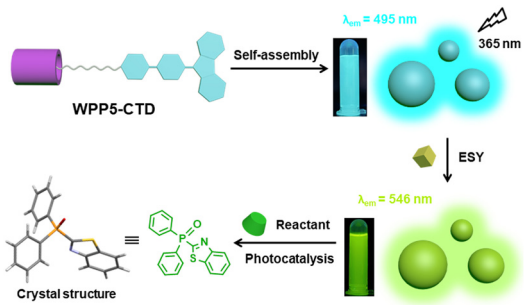
FEATURE ARTICLES



COMMUNICATIONS

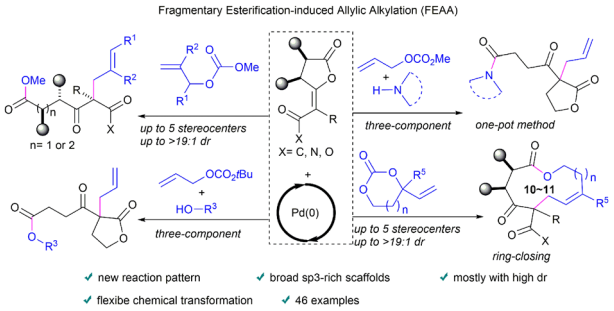






COMMUNICATIONS

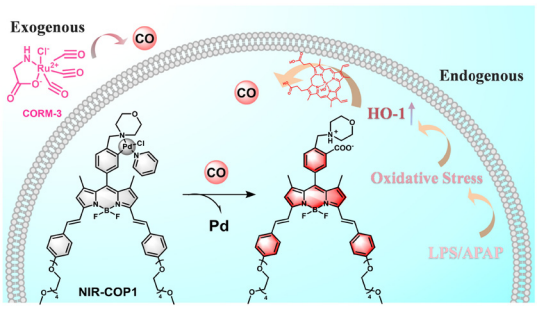
1416



Palladium-catalysed fragmentary esterification-induced allylic alkylation of allyl carbonates and cyclic vinylogous anhydrides

Shu-Yi Wu, Yang Li, Peng Shen, Xin-Han Yang and Guang-Yao Ran*

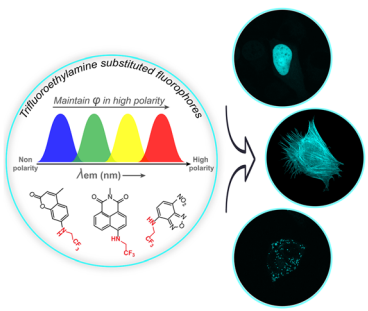
1420



Near-infrared fluorogenic imaging of carbon monoxide in live cells using palladium-mediated carbonylation

Zhi-Yi Xiao, Bing-Lun Tu, Shan-Hong Hua, Fenglin Wang,* Li-Juan Tang, Wan-Rong Dong* and Jian-Hui Jiang

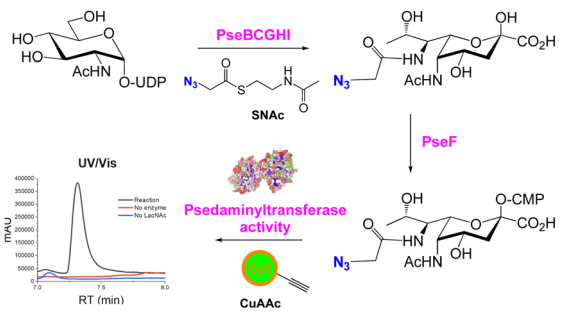
1424



Trifluoroethylamine-substituted solvatochromic fluorophores exhibit polarity-insensitive high brightness

Ning Xu, Qinglong Qiao,* Jie Chen, Yi Tao, Pengjun Bao, Yinchan Zhang, Jin Li and Zhaochao Xu*

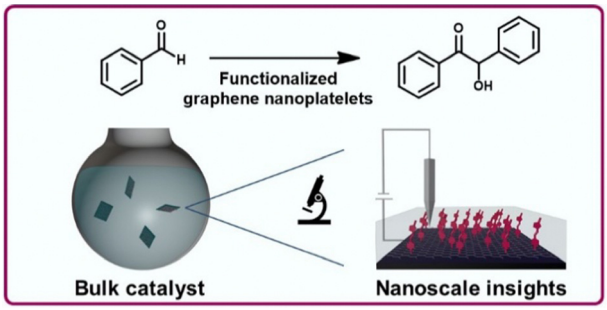
1428

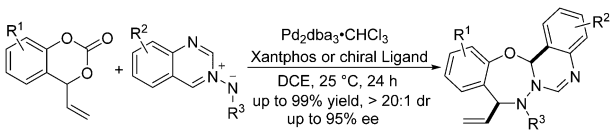


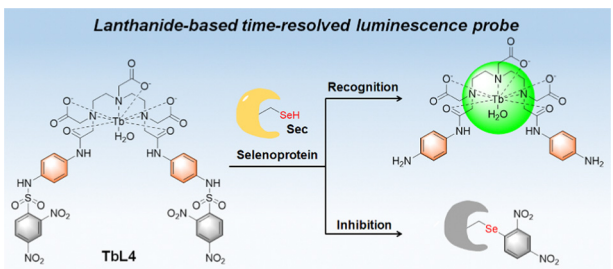
Co-factor prosthesis facilitates biosynthesis of azido-pseudaminic acid probes for use as glycosyltransferase reporters

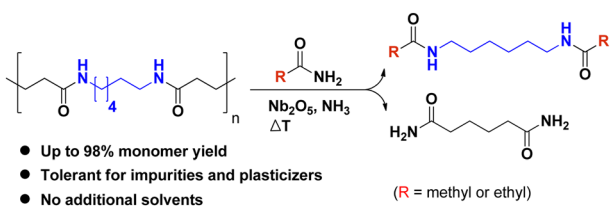
Tessa Keenan, Harriet S. Chidwick, Matthew Best, Emily K. P. Flack, Nicholas D. J. Yates, Natasha E. Hatton, Matthew E. Warnes and Martin A. Fascione*

COMMUNICATIONS



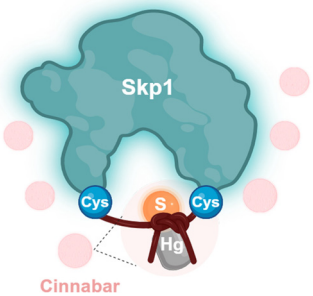


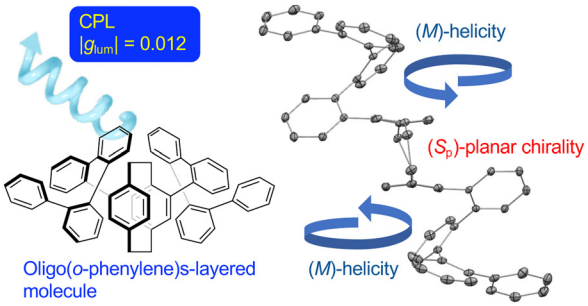


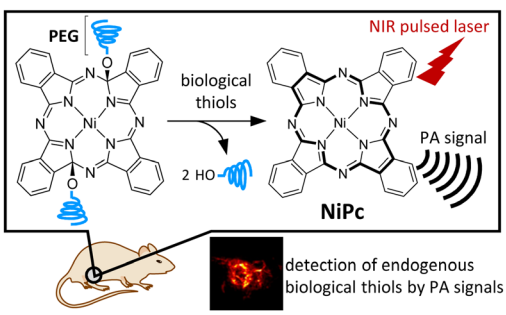


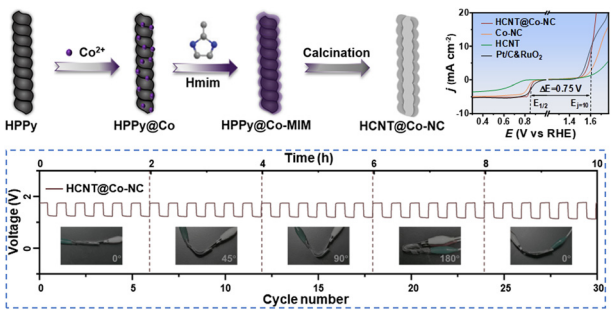
COMMUNICATIONS

COMMUNICATIONS









COMMUNICATIONS