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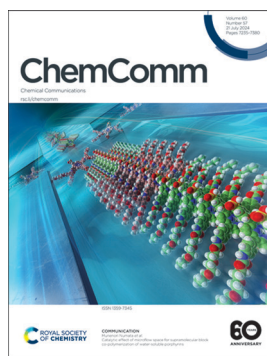
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ISSN 1359–7345 CODEN CHCOFS 60(57) 7235–7380 (2024)



Cover

See S. Hohloch *et al.*, pp. 7299–7302. Image reproduced by permission of Stephan Hohloch and Anna Pavun from *Chem. Commun.*, 2024, 60, 7299.



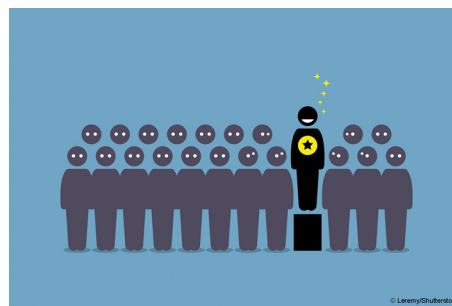
Inside cover

See Munenori Numata *et al.*, pp. 7303–7306. Image reproduced by permission of Munenori Numata from *Chem. Commun.*, 2024, 60, 7303.

EDITORIAL

7245

Outstanding Reviewers for *ChemComm* in 2023

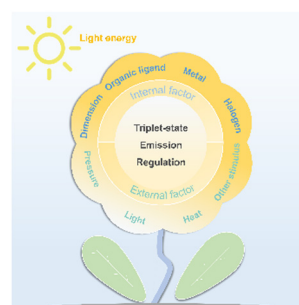


HIGHLIGHT

7246

Recent strategies for triplet-state emission regulation toward non-lead organic–inorganic metal halides

Zhaorui Hua, Lingyi Wang, Shuyan Gong, Yang Tian* and Hongbing Fu*



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Uncover new possibilities
with outstanding
preliminary research

Original discoveries, fuelling
every step of scientific progress

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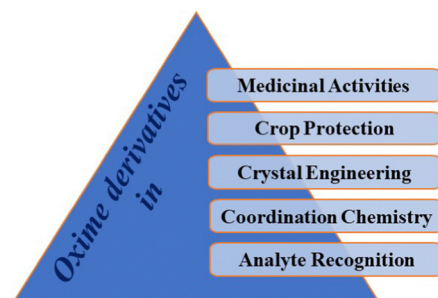
Fundamental questions
Elemental answers

FEATURE ARTICLES

7266

A review on oxime functionality: an ordinary functional group with significant impacts in supramolecular chemistry

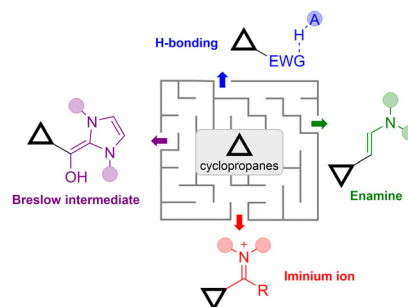
Arup Tarai* and Bhaskar Nath*



7288

Organocatalysis as an enabling tool for enantioselective ring-opening reactions of cyclopropanes

Efraim Reyes, Uxue Uria, Liher Prieto, Luisa Carrillo and Jose L. Vicario*

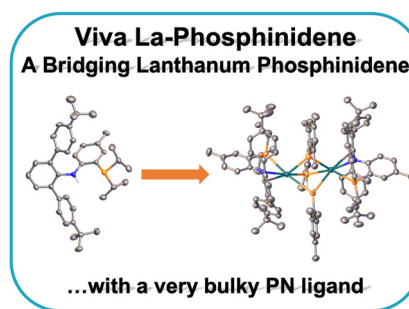


COMMUNICATIONS

7299

A bridging bis-phosphanido-phosphinidene complex of lanthanum supported by a sterically encumbering PN ligand

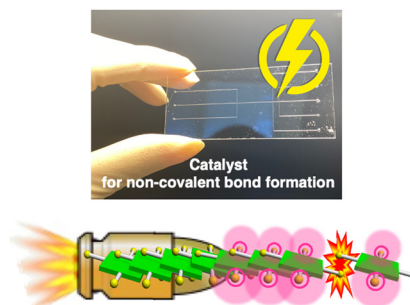
B. Wittwer, F. Heim, K. Wurst and S. Hohloch*



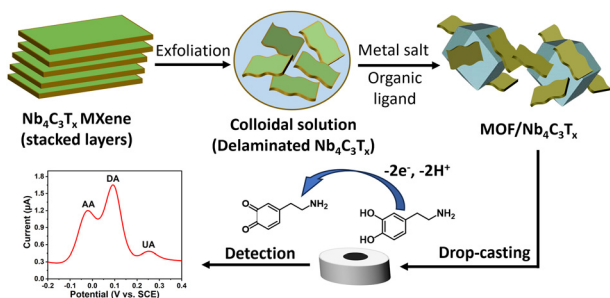
7303

Catalytic effect of microflow space for supramolecular block co-polymerization of water-soluble porphyrins

Haruna Takemori, Chisako Kanzaki, Shota Nomura, Takato Maeda and Munenori Numata*



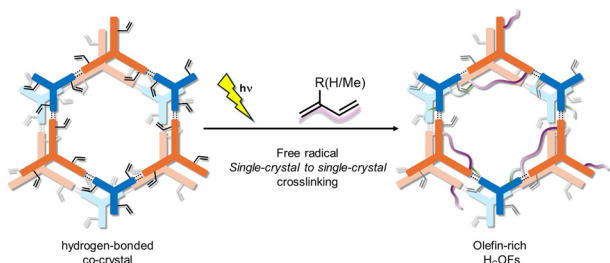
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Metal–organic framework/ $\text{Nb}_4\text{C}_3\text{T}_x$ MXene composites for ultrasensitive detection of dopamine

Purna K. Boruah, Nidhi Sharma, Manash R. Das, Ryo Ohtani, Benjamin Le Ouay* and Masaaki Ohba*

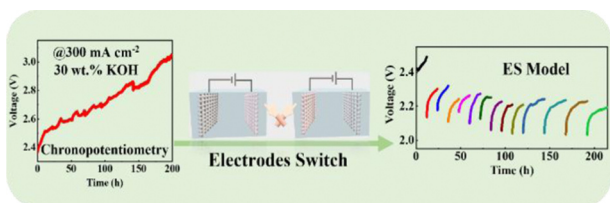
7311



Porous organic crystals crosslinked by free-radical reactions

Krishanu Samanta, Jiashan Mi, Albert D. Chen, Fangzhou Li, Richard J. Staples, Aaron J. Rossini and Chenfeng Ke*

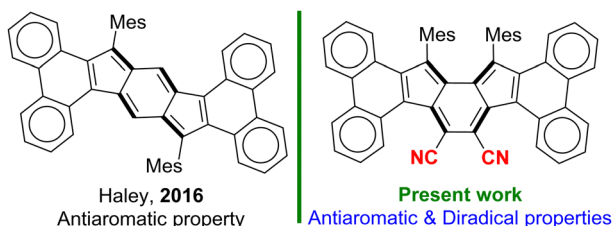
7315



Electrode switch—an efficient induced approach for self-activation of an electrode toward water splitting

Jin Kong, Zhihong Wang,* Chaoyue Liu, Shuo Wang, Yingshuang Guo, Honglei Chen, Jiepeng Wang and Zhe Lü

7319



Cyano disubstituted tetrabenzoindeno[2,1-a]-fluorene: open-shell or closed-shell?

Priyank Kumar Sharma, Palash Jana, Subhajit Bandyopadhyay and Soumyajit Das*

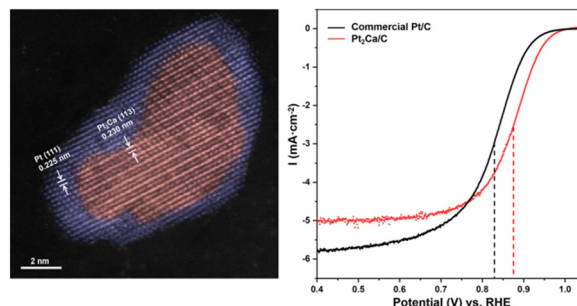


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7323

Solid state preparation of carbon-supported Pt₂Ca nanoparticles for the oxygen reduction reaction

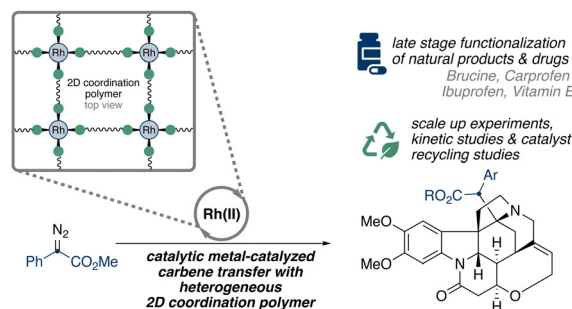
Rumei Jin, Zewei Xie, Kuerbangnisha Kadeer, Xingguo Li, Yawen Zhang* and Jie Zheng*



7327

Unlocking catalytic potential: a rhodium(II)-based coordination polymer for efficient carbene transfer reactions with donor/acceptor diazoalkanes

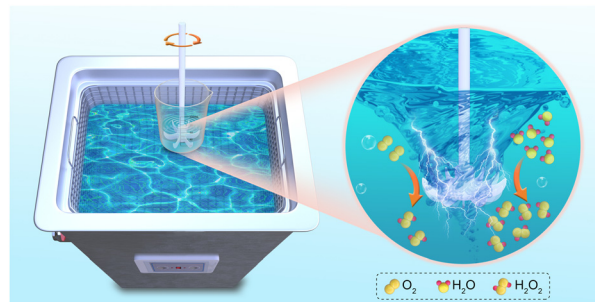
Claire Empel, Marcus N. A. Fetzer, Suman Sasmal, Till Strothmann, Christoph Janiak and Rene M. Koenigs*



7331

Catalyst-free contact-electro-catalytic H₂O₂ synthesis via simple combination of a poly(tetrafluoroethylene) stir bar and ultrasound

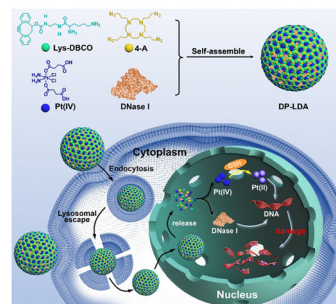
Yao Wang, Yanfeng Wang,* Baowei Hu, Muqing Qiu, Guandao Gao and Peiyun Wei*



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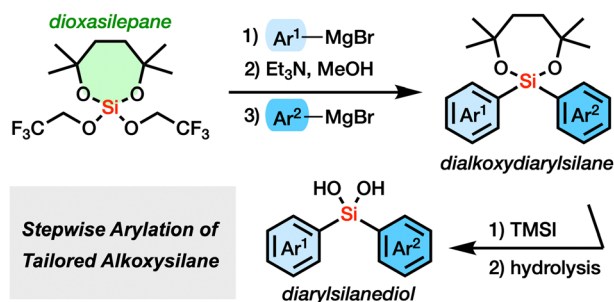
Self-assembly of enzymes and prodrugs with clickable amino acids for nucleus-targeted cancer therapy

Ye Liu, Rumeng Cao, Jieyu Yang, Hui Chen, Jiumeng Zhang* and Xuli Feng*



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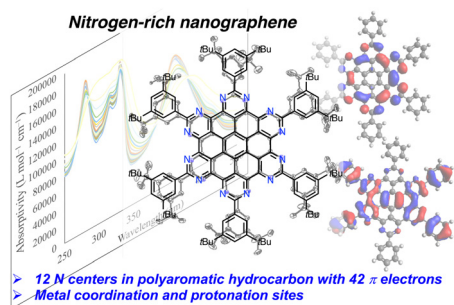
7339



Synthesis of unsymmetrical dialkoxydiarylsilanes and diarylsilane diols from tetraalkoxysilane having a dioxasilepane unit

Kenshiro Hitoshio, Hiroki Maeda, Kento Teranishi, Jun Shimokawa* and Hideki Yorimitsu*

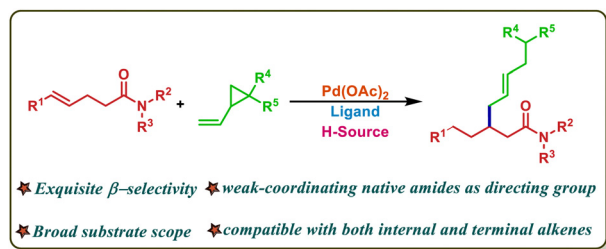
7343



Synthesis and electronic properties of nitrogen-rich nanographene

Gavin P. Heim, Masanari Hirahara, Vidhya M. Dev and Theodor Agapie*

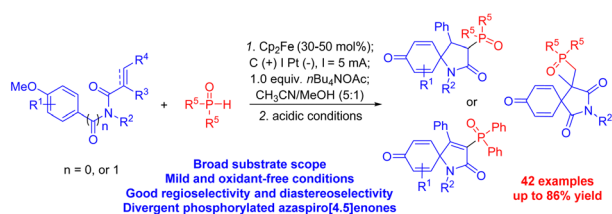
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Palladium-catalyzed site-selective functionalization of unactivated alkenes with vinylcyclopropanes aided by weakly coordinating native amides

Meledath Sudhakaran Keerthana and Masilamani Jegannathan*

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Electrochemical synthesis of phosphorylated azaspiro[4.5]di/trienones through dearomative spirocyclization

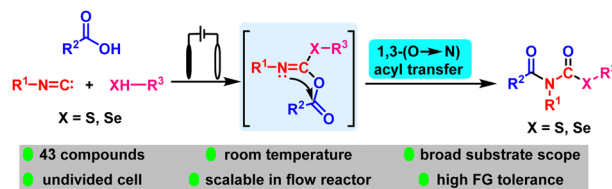
Xiaocong Zhou, Jian Wang, Dumei Ma,* Yirui Shen, Yufen Zhao and Ju Wu*



7355

Electrochemically-driven difunctionalization of the isocyanide and Mumm rearrangement cascade: expeditious synthesis of *N*-acyl-*N*-alkyl *S*-thiocarbamates

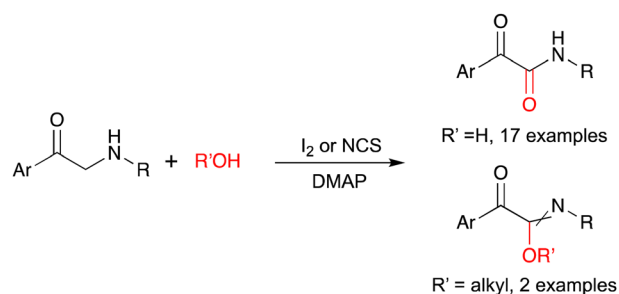
Kuldeep Singh Bhati and Siddharth Sharma*



7359

DMAP-promoted oxidative functionalization of α -amino ketones via oxygen delivery from water/alcohols

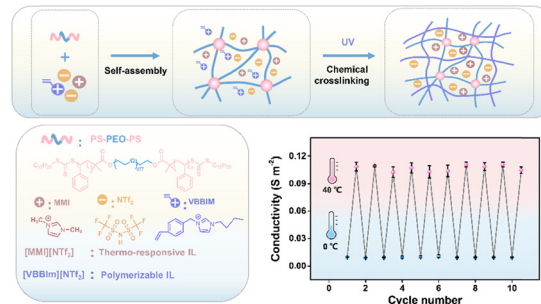
Ying-Wei Wang,* Xiao-Nan Liu, Jia Zheng, Jian Su, Qi-Jun Li, Xian-Rong Cai, Qiang Wang and Xing-Yong Liang*



7363

A processable ionogel with thermo-switchable conductivity

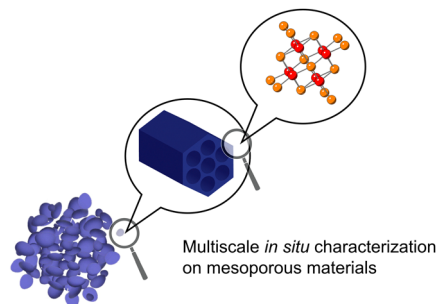
Shoujie Shen,* Jia Li, Qiyu Wu, Xingchao Chen, Chuao Ma, Chan Liu and Hongliang Liu*



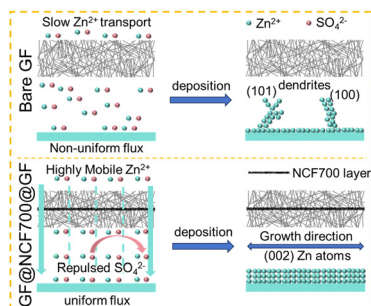
7366

Multiscale characterizations of structural evolution in mesoporous CeO_2

Tianyu Li and Efrain E. Rodriguez*



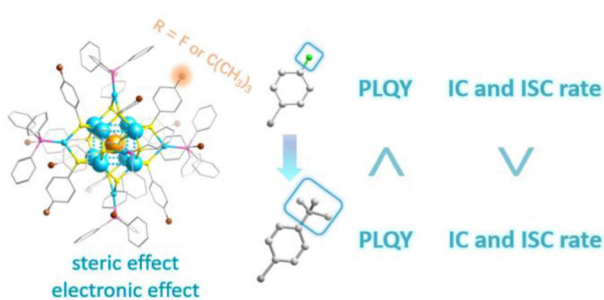
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A nitrogen-doped carbon fiber coating embedded in the separator for stable zinc batteries

Dingzhong Luo, Jiae Wu, Wentao Deng, Guoqiang Zou, Hongshuai Hou* and Xiaobo Ji

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Influence of the substituents of the thiol ligand on the optical properties of AuCu₁₄

Yu-Jing Zhao, Jin-Sen Yang, Jing Li, Yu-Bing Si, Lu-Yao Xiao, Zhao-Yang Wang, Jia-Hua Hu,* Xi-Yan Dong and Shuang-Quan Zang

