

# ChemComm

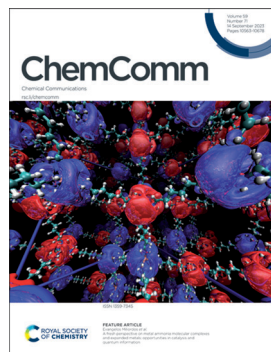
Chemical Communications

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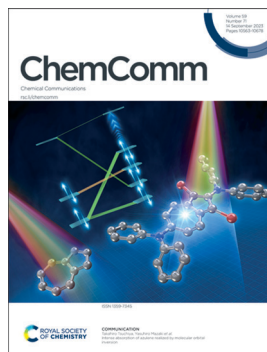
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ISSN 1359-7345 CODEN CHCOFS 59(71) 10563–10678 (2023)



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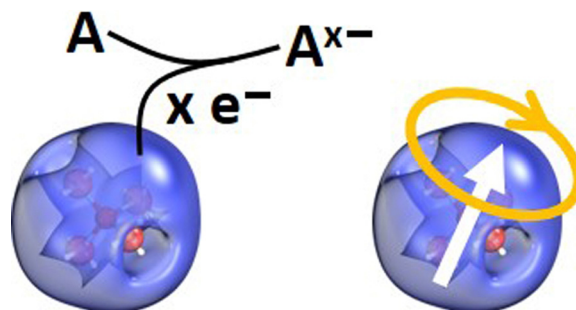
See Takahiro Tsuchiya, Yasuhiro Mazaki *et al.*, pp. 10604–10607. Image reproduced by permission of Takahiro Tsuchiya from *Chem. Commun.*, 2023, 59, 10604.

## FEATURE ARTICLES

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### A fresh perspective on metal ammonia molecular complexes and expanded metals: opportunities in catalysis and quantum information

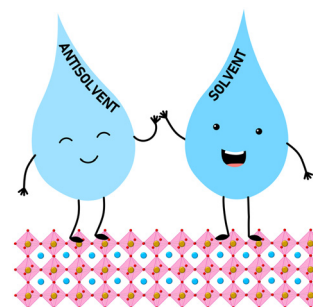
Benjamin A. Jackson, Shahriar N. Khan and Evangelos Miliordos\*



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Jose Roberto Bautista-Quijano, Oscar Telschow, Fabian Paulus and Yana Vaynzof\*



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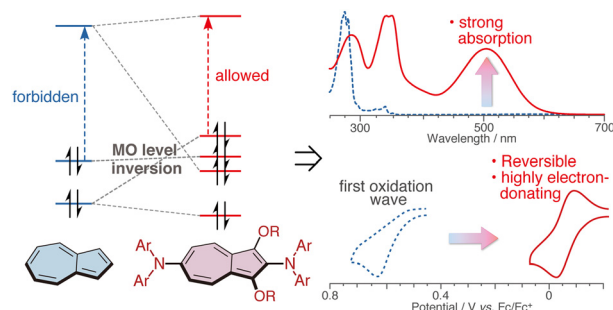


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**Intense absorption of azulene realized by molecular orbital inversion**

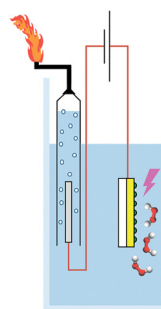
Takahiro Tsuchiya,\* Tomohiro Hamano, Masahiro Inoue, Tomoya Nakamura, Atsushi Wakamiya and Yasuhiro Mazaki\*



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**Towards the quantification of the chemical mechanism of light-driven water splitting on GaN photoelectrodes**

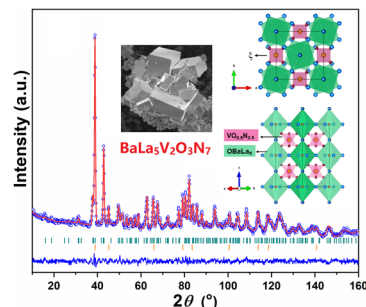
Artem Shushanian, Daisuke Iida, Yu Han and Kazuhiro Ohkawa\*



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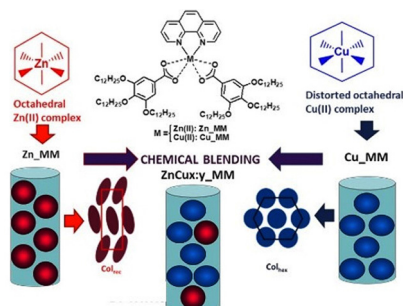
Shi-Rui Zhang, Xiao-Ming Wang,\* Lei-Ming Fang, Jia-Chen Li, Ying-Ying Xu, Zi-Han Ren, Zu-Pei Yang, Xiao-Jun Kuang\* and Huan Jiao\*



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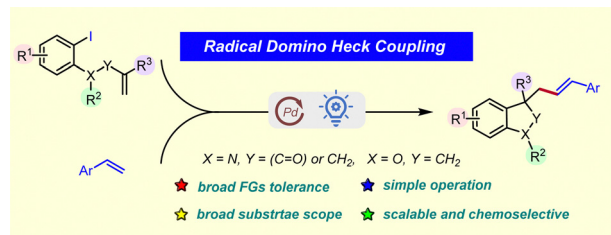
**Bimetallic liquid crystal blends based on structurally related 3d-metal coordination complexes**

Carmen Cretu, Evelyn Popa, Giuseppe Di Maio, Angela Candrea, Ildiko Buta, Alexandru Visan, Massimo La Deda, Bertrand Donnio\* and Elisabeta I. Szerb\*



## COMMUNICATIONS

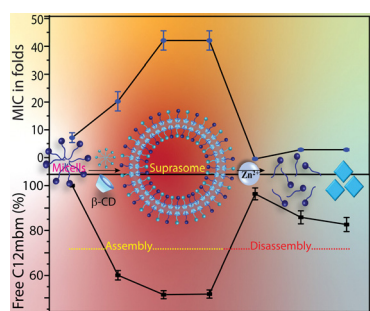
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**Photoinduced radical cascade domino Heck coupling of *N*-aryl acrylamide with vinyl arenes enabled by palladium catalysis**

Pei-shang Li, Qiao-qiao Teng\* and Ming Chen\*

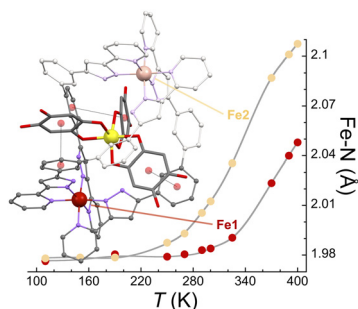
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**Stimuli-responsive assembly and disassembly of anionic suprasomes with tunable antibacterial activity**

Biswa Mohan Prusty, Rama Karn, Anjali Patel, Priyanka Mazumder, Sachin Kumar and Debasis Manna\*

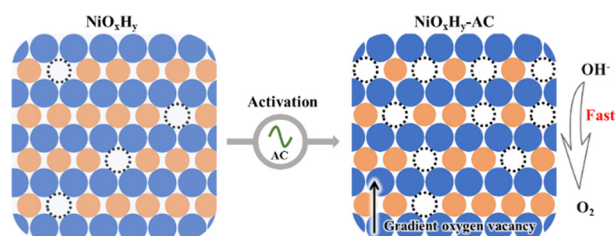
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**A supramolecular helicate with two independent Fe(II) switchable centres and a  $[Fe(anilate)_3]^{3-}$  guest**

Leoní A. Barrios\*, Simon. J. Teat, Olivier Roubeau\* and Guillem Aromí\*

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**Symmetrical-waveform alternating current-promoted NiO<sub>x</sub>H<sub>y</sub> electrocatalysis for the oxygen evolution reaction**

Zhihao Qi, Jinwei Zhuang, Wantong Yang, Yonggang Yang, Ling Wang, Chenyang Cai, Zhilin Zhang, Yutao Hua, Dilnur Abdirazik, Longhua Li, Weidong Shi\* and Jinhui Hao\*

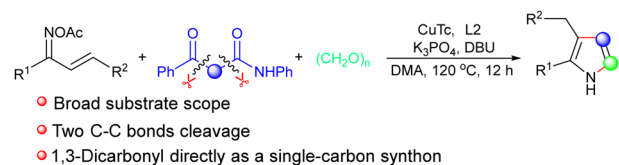


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## Copper-catalyzed three-component annulation toward pyrroles via the cleavage of two C–C bonds in 1,3-dicarbonyls

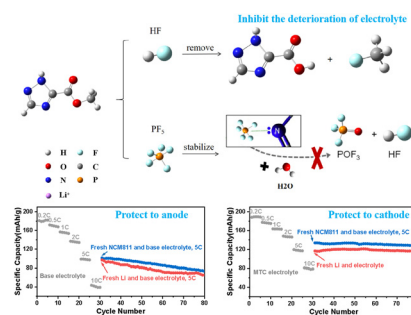
Gaochen Xu, Luchao Li, Binyan Xu, Zheng Fang, Jindian Duan\* and Kai Guo



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## Multifunctional electrolyte additive for realizing high-temperature and high-voltage lithium metal batteries

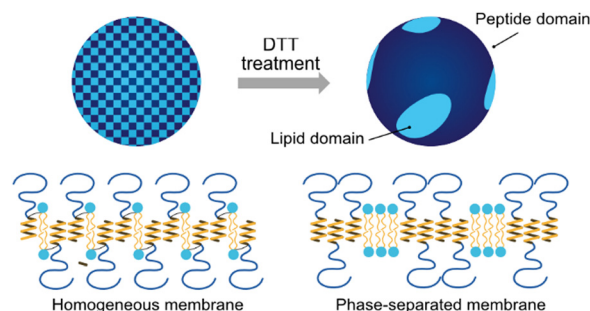
Erlei Zhang, Huijie Tian, Meng Li, Shiru Le, Lijun Wu, Bingjiang Li, Lishuang Fan\* and Naiqing Zhang\*



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## Peptide–lipid hybrid vesicles with stimuli-responsive phase separation for controlled membrane functions

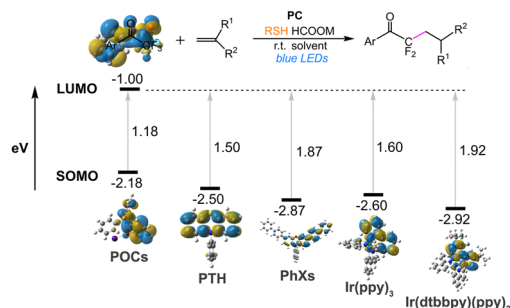
Avanashiappan Nandakumar, Yoshihiro Ito and Motoki Ueda\*



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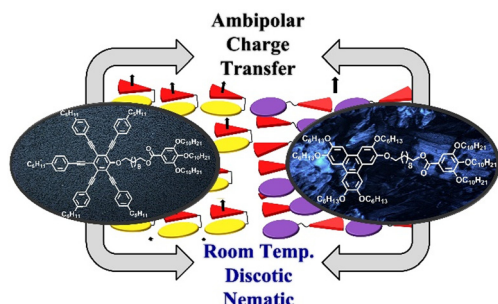
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Rongrong Li, Xinzheng Yang\* and Wei Guan\*





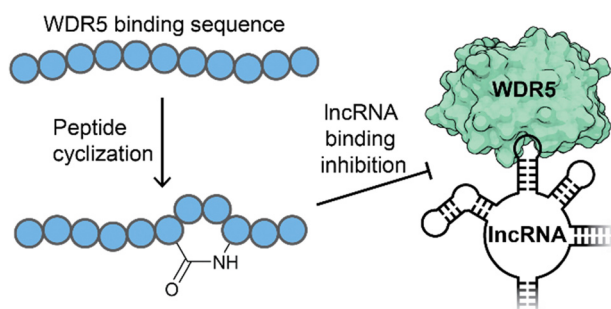
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### First examples of room-temperature discotic nematic liquid crystals exhibiting ambipolar charge carrier mobilities

Monika Gupta,\* Abhinand Krishna KM, Simran Sony, Shallu Dhingra, Asmita Shah and Dharmendra Pratap Singh

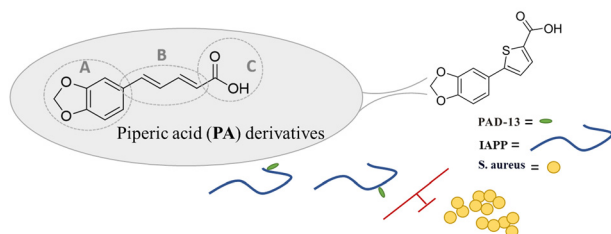
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### Macrocyclic peptides as inhibitors of WDR5–lncRNA interactions

Jen-Yao Chang, Cora Neugebauer, Stefan Schmeing, Gulshan Amrahova and Peter 't Hart\*

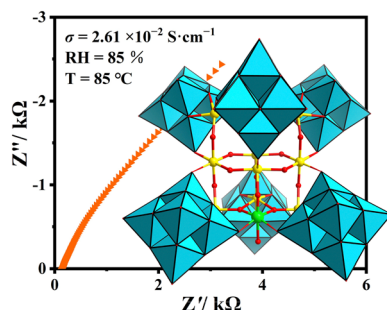
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### Piperic acid derivative as a molecular modulator to accelerate the IAPP aggregation process and alter its antimicrobial activity

Ai-Ci Chan, Pei-Ya Shan, Men-Hsin Wu, Pin-Han Lin, Chang-Shun Tsai, Chia-Chien Hsu, Ting-Hsiang Chiu, Ting-Wei Hsu, Yi-Cheun Yeh, Yun-Ju Lai,\* Wei-Min Liu\* and Ling-Hsien Tu\*

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### Hexameric polyoxotantalate with proton conduction properties

Hanhan Chen, Mingyang Zhang, Yuyan Li, Pengtao Ma, Jingping Wang\* and Jingyang Niu\*

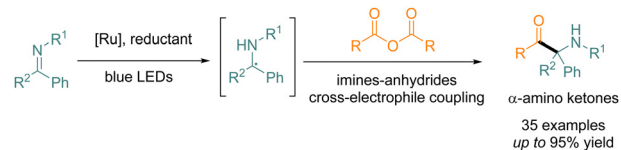


## COMMUNICATIONS

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**Visible-light induced cross-electrophile coupling of imines and anhydrides to synthesize  $\alpha$ -amino ketones**

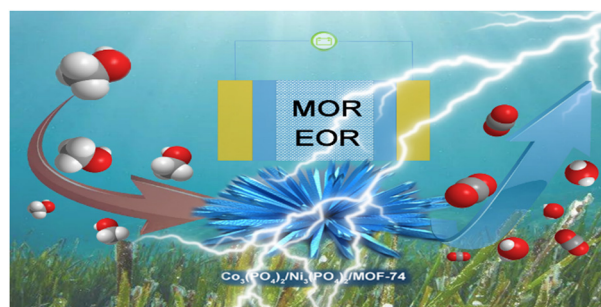
Renxu Cao, Yu Liu, Xiaoxin Shi\* and Jun Zheng\*



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**Seaweed-like phosphates/MOF heterostructures as a synergistic electrocatalyst for alcohol oxidation**

Ya-Ya Sun, Jia-Yang Luo, Xue-Qian Wu,\* Ya-Pan Wu, Shuang Li, Ya-Meng Yin, Hui-Juan Ma, Ruan Chi and Dong-Sheng Li\*



## RETRACTION

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**Retraction: Achieving near-Pt hydrogen production on defect nanocarbon *via* the synergy between carbon defects and heteroatoms**

Hao Wu\* and Yuting Luan

