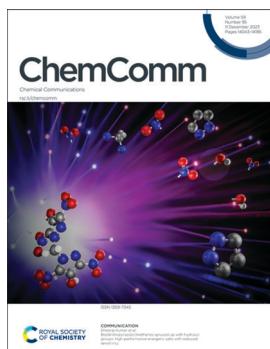


### IN THIS ISSUE

ISSN 1359-7345 CODEN CHCOFS 59(95) 14043–14186 (2023)



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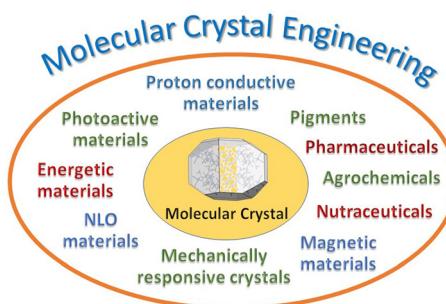
See Dheeraj Kumar et al.,  
pp. 14110–14113.  
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*Chem. Commun.*,  
2023, 59, 14110.

### HIGHLIGHT

14052

#### Crystal engineering: from promise to delivery

Dario Braga

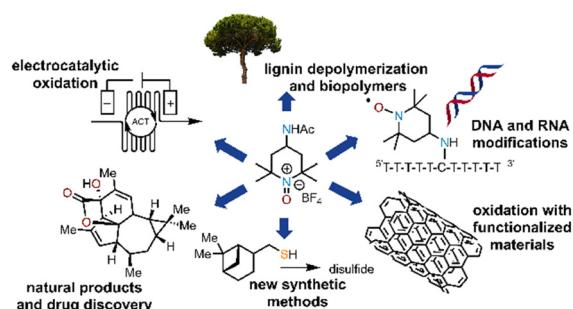


### FEATURE ARTICLES

14063

#### Recent advancements in the use of Bobbitt's salt and 4-acetamidoTEMPO

Jean M. Bray, Shannon M. Stephens,  
Shayne M. Weierbach, Karen Vargas and  
Kyle M. Lambert\*



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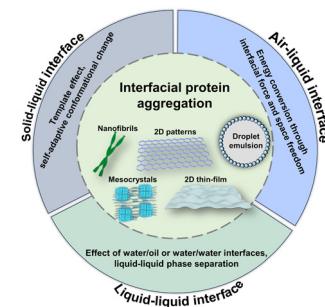


## FEATURE ARTICLES

14093

## Interface-mediated protein aggregation

Fei Tao, Qian Han and Peng Yang\*

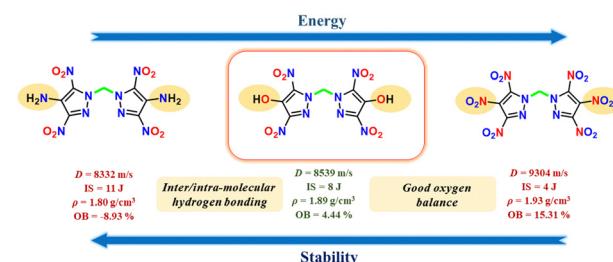


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14110

## Bis(dinitropyrazolyl)methanes spruced up with hydroxyl groups: high performance energetic salts with reduced sensitivity

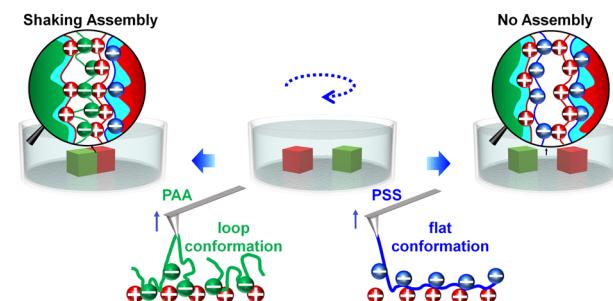
Prachi Bhatia, Krishna Pandey, Priyanka Das and Dheeraj Kumar\*



14114

## Polyelectrolyte chain conformation matters in macroscopic supramolecular self-assembly

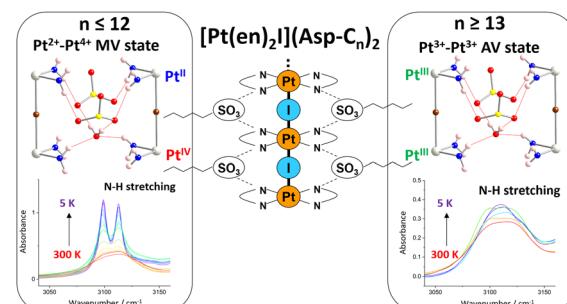
Qian Zhang, Cuiling lin, Chen Chen, Liqun Zhang, Feng Shi\* and Mengjiao Cheng\*



14118

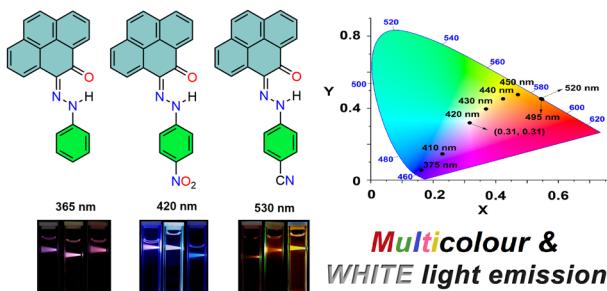
Chemical pressure-induced Pt<sup>III</sup>–I Mott–Hubbard nanowire, [Pt(en)<sub>2</sub>I](Asp-C<sub>n</sub>)<sub>2</sub>·H<sub>2</sub>O (13 ≤ n), detected via polarized infrared spectroscopy

Shohei Kumagai, Takefumi Yoshida, Hiroaki Iguchi, Masanori Wakizaka, Nobuto Funakoshi, Masahiro Yamashita\* and Shinya Takaishi\*



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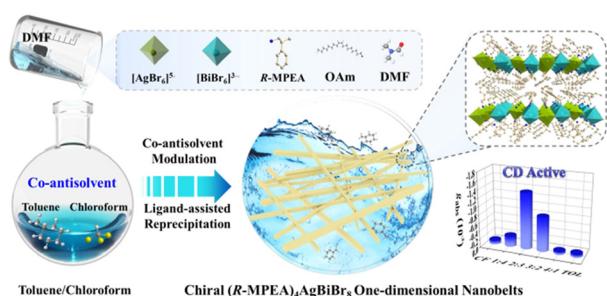
14122



**Excitation wavelength-dependent multi-coloured and white-light emissive pyrene-based hydrazones: suppression of Kasha's rule**

Naveen Kumar M, Deikrishna Lyngdoh Lyngkhoi, Sudhakar Gaikwad, Jayanta Samanta, Rafiq Ahamed, Snehadri Narayan Khatua\* and Susnata Pramanik\*

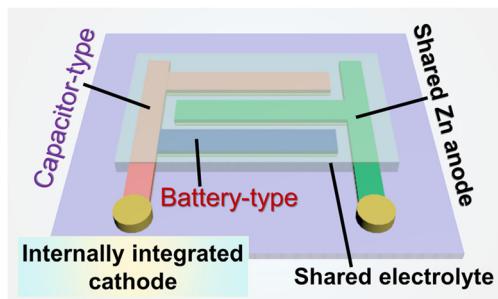
14126



**Two-dimensional lead-free silver-bismuth double perovskite nanobelts with intrinsic chirality *via* co-antisolvent modulation strategy**

Xuexia Yu, Rong Lu, Pengfei Zhang, Shun Wang, Yihuang Chen\* and Shuang Pan\*

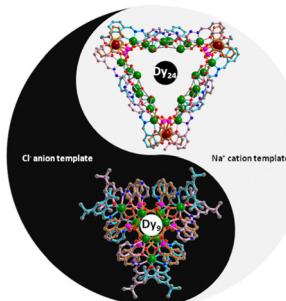
14130



**Design of internally integrated in-plane electrodes for superior flexible hybrid zinc-ion capacitor devices**

Simiao Zhao, Haojie Li, Jiaxuan Bai, Hui Ma, Yifan Dong and Xiaocong Tian\*

14134



**Double-stranded metallo-triangles: from anion-templated nonanuclear to cation-templated tetraicosanuclear dysprosium clusters**

Yanan Liu, Xiao Sun, Peiqiong Chen, Xiaojuan Li, Fu-Ping Huang,\* Hou-Ting Liu\* and Haiquan Tian\*

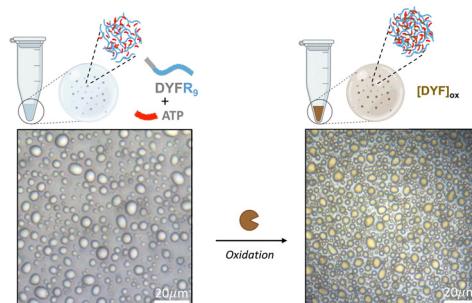


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14138

**Localized and regulated peptide pigment formation inside liquid droplets through confined enzymatic oxidation**

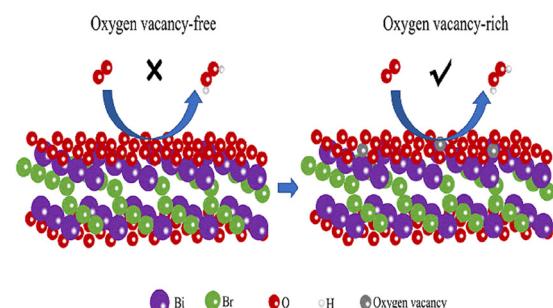
Kenny Barriales, Salma Kassem, Deborah Sementa, Alfredo Vidal Ceballos, Tong Wang, Shadman Khandaker, Rinat R. Abzalimov, Ankit Jain, Shana Elbaum-Garfinkle and Rein V. Ulijn\*



14142

**Oxygen vacancy-promoted photocatalytic  $\text{H}_2\text{O}_2$  production over bismuth oxybromide nanosheets**

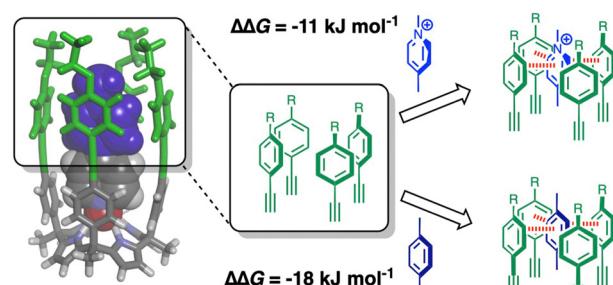
Hongxiang Chu, Ruofan Li, Di Zeng, Wenjing Wang, Bingkun Cui, Taikang Jia, Ling Zhang\* and Wenzhong Wang\*



14146

**Solvation rules: aromatic interactions outcompete cation–π interactions in synthetic host–guest complexes in water**

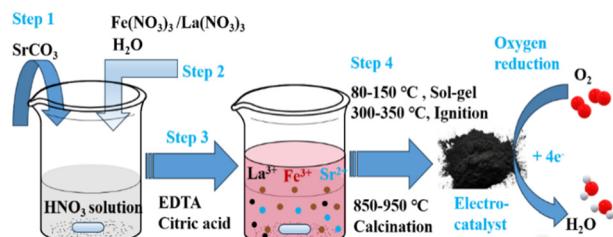
Gloria Tobajas-Curiel, Qingqing Sun, Jeremy K. M. Sanders, Pablo Ballester\* and Christopher A. Hunter\*



14149

**A facile mixed complex synthesis method for perovskite oxides toward electrocatalytic oxygen reduction**

Hui Lu,\* Danyang Wu, Yue Gu, Wenxin Sun, Xiaojian Yang, Wenzuan Li, Honglei Shuai and Xinsheng Zhao\*

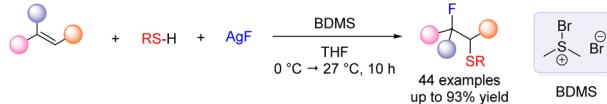


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14153

## 1,2-Fluorosulfonylation of unactivated alkenes with thiols and a fluoride source promoted by bromodimethylsulfonium bromide

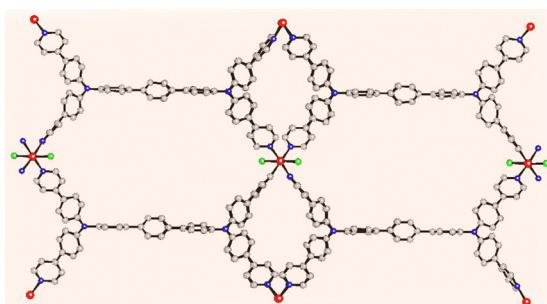
Zihui Yang, Jia Liu and Lan-Gui Xie\*



14157

## Exploring redox properties of a 3D Co-based framework with bis(triarylamine) terphenyl as a redox-active linker

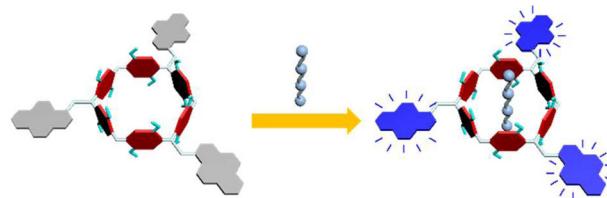
Chin-May Ngue, Yong-Yun Zhang and Man-kit Leung\*



14161

## Water-soluble pillar[6]arene bearing pyrene on alternating methylene bridges for direct spermine sensing

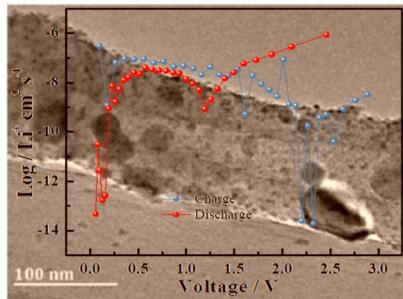
Li Ling, Zizhen Zhao, Lijun Mao, Shuyi Wang and Da Ma\*



14165

Promoted kinetics and capacity on the  $\text{Li}_2\text{CuTi}_3\text{O}_8/\text{C}$  anode by constructing a one dimensional hybrid structure for superior performance lithium ion batteries

Yakun Tang, Jian Liu, Yue Zhang, Wenjie Ma, Lang Liu,\*, Biao Zhang and Sen Dong

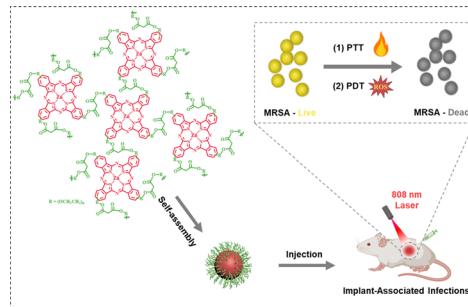


## COMMUNICATIONS

14169

**Hyperbranched polyphthalocyanine micelles with dual PTT/PDT functions for bacteria eradication under an NIR window**

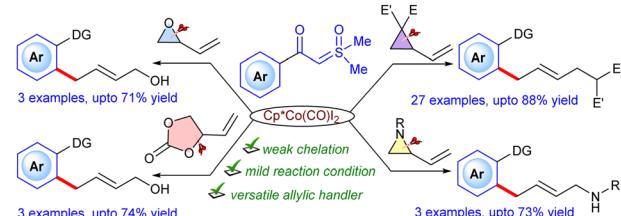
Ying Du, Guangyu Chu, Rui Yu, Rui Cui, Yuling Wang, Yiyong Mai, Ming Guan,\* Fugui Xu\* and Yongfeng Zhou\*



14173

**Expedient C–H allylation of sulfoxonium ylides: merging C–H and C–C/C–het bond activation**

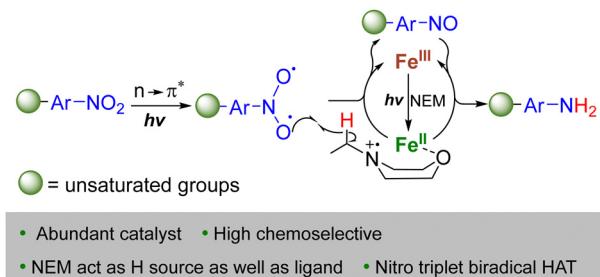
Sharajit Saha, Hemanga Bhattacharyya, Pallab Karjee, Bijoy Debnath, Kshitiz Verma and Tharmalingam Punniyamurthy\*



14177

**Visible-light-induced iron-catalyzed reduction of nitroarenes to anilines**

Shilei Yang, Min He, Yi Wang, Ming Bao and Xiaoqiang Yu\*



14181

**Rapid construction of Co/CoO/CoCH nanowire core/shell arrays for highly efficient hydrogen evolution reaction**

Sihan Liu, Runwei Song, Shuai Wang, Weiye Shi, Qin Zhou, Yan Zhang, Chunqing Huo,\* Shengjue Deng\* and Shiwei Lin\*

