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### IN THIS ISSUE

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#### Cover

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2024, **60**, 8537.



#### Inside cover

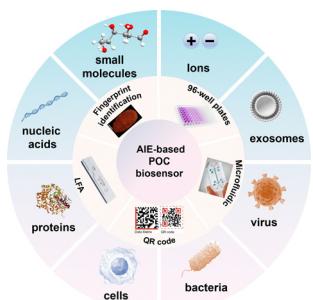
See Duraisamy Senthil Raja  
and De-Hao Tsai,  
pp. 8497–8515.  
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*Chem. Commun.*,  
2024, **60**, 8497.

### HIGHLIGHT

8484

#### Recent advances of aggregation-induced emission luminogens for point-of-care biosensing systems

Xiaoxia Jian, Guoyu Jiang and Jianguo Wang\*

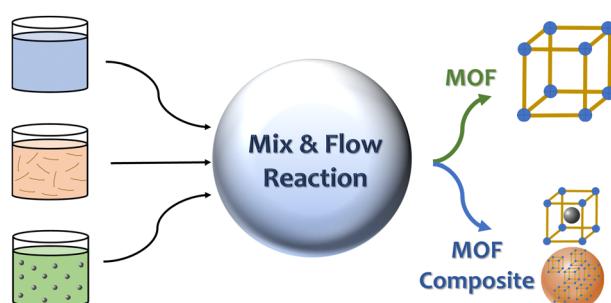


### FEATURE ARTICLES

8497

#### Recent advances in continuous flow synthesis of metal–organic frameworks and their composites

Duraisamy Senthil Raja and De-Hao Tsai\*





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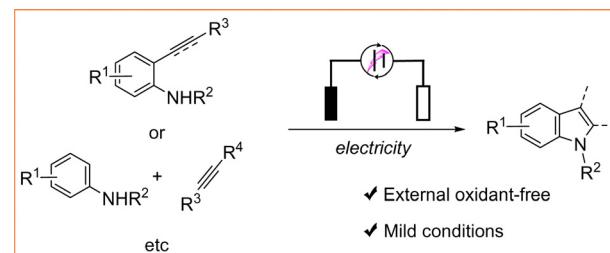


## FEATURE ARTICLES

8516

**Recent advances in electrochemically enabled construction of indoles from non-indole-based substrates**

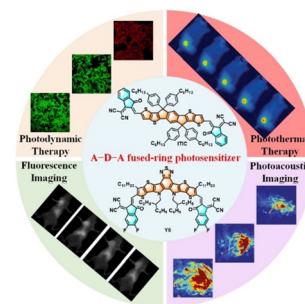
Yu Zheng,\* Chunxi Chen, Yanju Lu and Shenlin Huang\*



8526

**Emerging A-D-A fused-ring photosensitizers for tumor phototheranostics**

Jiachen Xia, Shaoqi Xie, Yuying Huang, Xin-Xing Wu\* and Bing Lu\*

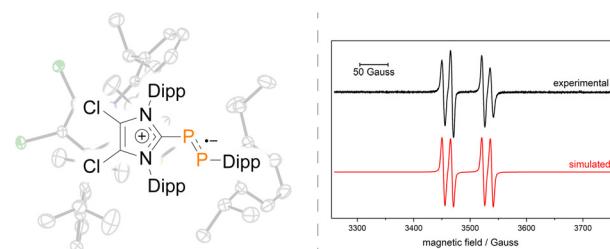


## COMMUNICATIONS

8537

**A neutral diphosphene radical: synthesis, electronic structure and white phosphorus activation**

Jan Haberstroh, Clemens Taube, Jannis Fidelius, Stephen Schulz, Noel Israel, Evgenia Dmitrieva, Rosa M. Gomila, Antonio Frontera, Robert Wolf, Kai Schwedtmann and Jan J. Weigand\*



8541

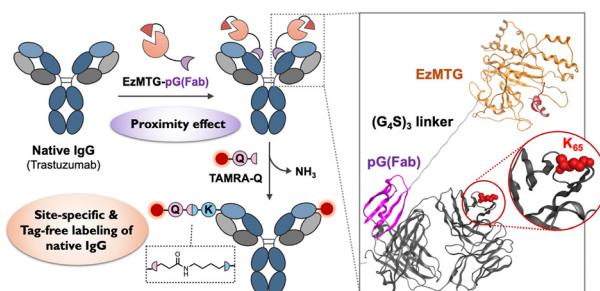
**Nitroso-azomethine(ene) reaction enabled annulations of nitrosoarenes, azomethines and alkenes**

Anisha Purkait, Surya Veer Singh Pal, Kaushik Soni, Kalishankar Bhattacharyya\* and Chandan K. Jana\*



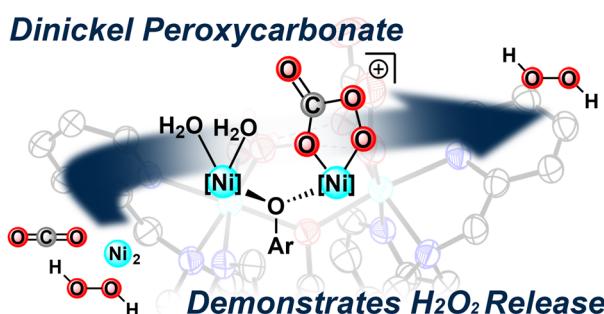
## COMMUNICATIONS

8545

**Transglutaminase-mediated proximity labeling of a specific Lys residue in a native IgG antibody**

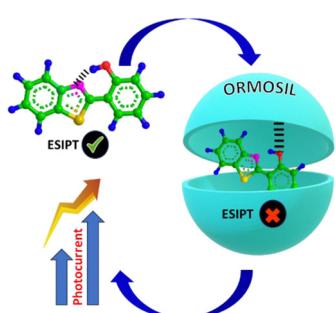
Riko Nishioka, Ryuya Iida, Kosuke Minamihata, Ryo Sato, Michio Kimura and Noriho Kamiya\*

8549

**A dinuclear nickel peroxy carbonate complex:  $CO_2$  addition promotes  $H_2O_2$  release**

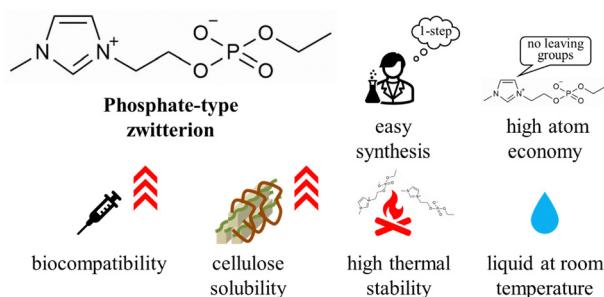
Hayley L. Lillo and Joshua A. Buss\*

8553

**Geometrically twisted intra-inter-molecular cooperative interactions for an enhanced photo-response in an ORMSIL-based host-guest system**

Moumita Chandra, Alpana Sahu, Nitul Kalita and Mohammad Qureshi\*

8557

**Phosphate-type zwitterionic liquid**

Tetsuo Komori, Ayumi Hachisu, Kazuaki Ninomiya, Kenji Takahashi and Kosuke Kuroda\*

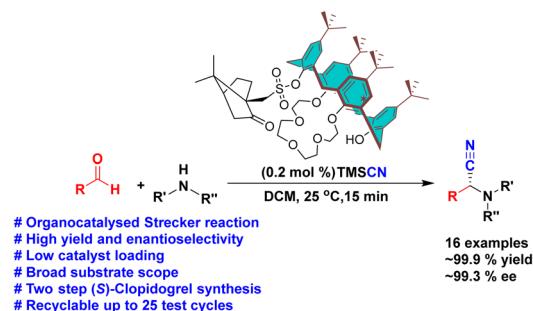


## COMMUNICATIONS

8561

**Scalable organocatalytic one pot asymmetric Strecker reaction via camphor sulfonyl functionalized crown-ether-tethered calix[4]arene**

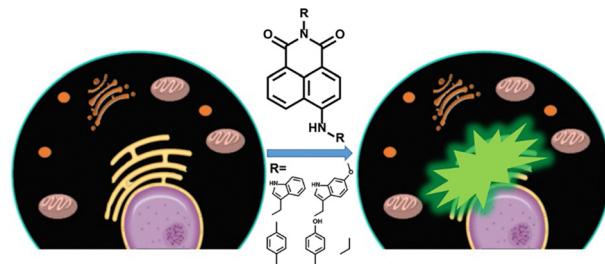
Apoorva Malik, Kirti Antil, Nikhil Singh, Pragati R. Sharma\* and Rakesh K. Sharma\*



8565

**A naphthalimide-based fluorescent platform for endoplasmic reticulum targeted imaging**

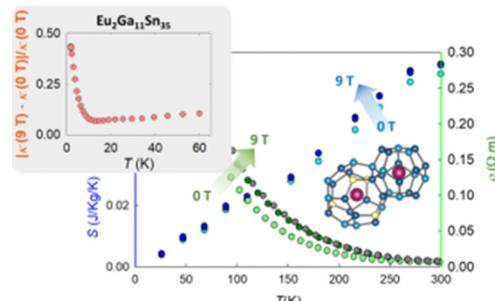
Yiwei Li, Nan Zhang, Yan Wang, Shanshan Lu, Jing Sheng, Xiangjun Liu,\* Yongbiao Wei and Dihua Shangguan\*



8569

**Dilute but significant: low cation concentration affects field dependent properties of Eu<sub>2</sub>Ga<sub>11</sub>Sn<sub>35</sub>**

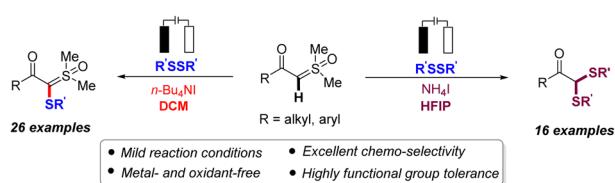
Wilarachchige D. C. B. Gunatilleke and George S. Nolas\*



8573

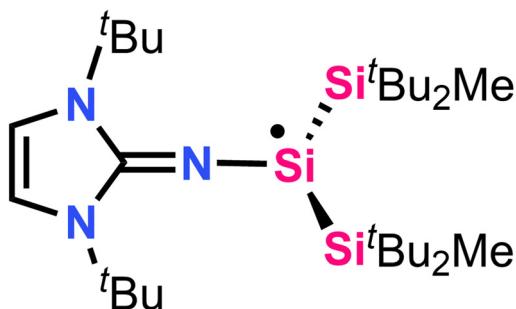
**Tunable electrochemical diverse sulfurization of sulfoxonium ylides with disulfides**

Xinwei Hu, Kaihui Zhong and Zhixiong Ruan\*



## COMMUNICATIONS

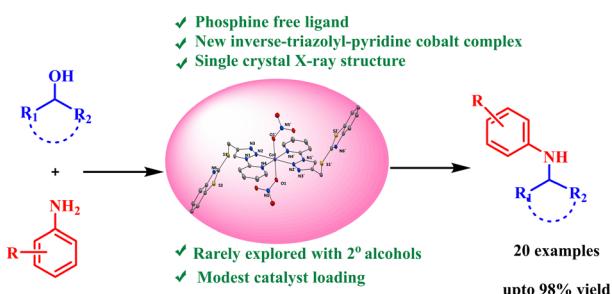
8577



## A neutral crystalline imino-substituted silyl radical

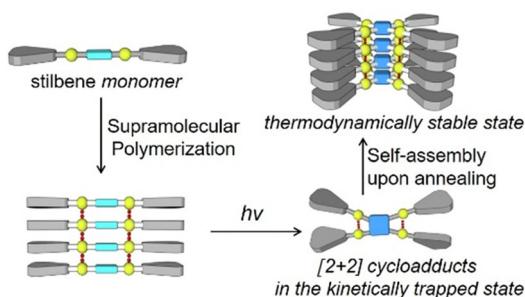
Fiona J. Kiefer, Arseni Kostenko, Richard Holzner and Shigeyoshi Inoue\*

8581

*N*-Alkylation of amines with primary/secondary alcohols using a novel cobalt(II) inverse triazolyl-pyridine complex

Bhawana Shekhawat, Puneet Singh Gahlaut, Deepak Gautam and Barun Jana\*

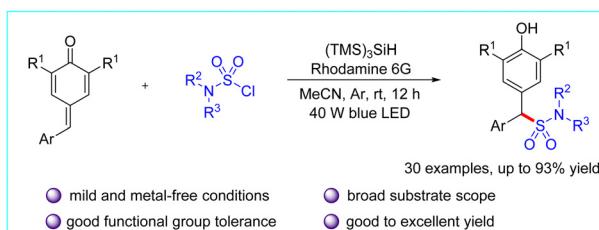
8585



## Light-triggered transformation of stilbene supramolecular polymers: thermodynamic versus kinetic control

Yi Lu, Rui long Zhang, Zhilong Hong, Pingping Liang,\* Rui Liao\* and Feng Wang\*

8589



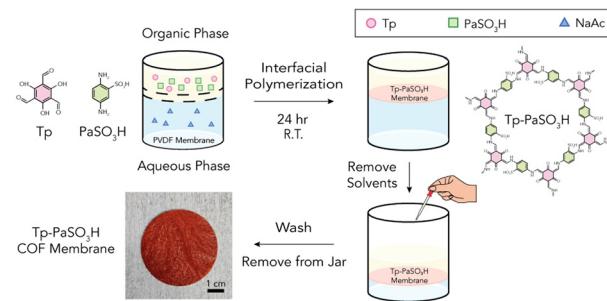
## Modular access to diarylmethyl sulfonamides via visible light-promoted cross-coupling reactions

Yu-Tong Mei, Hui Zhang, Yu Jiang, Yu-Jia Gu, Jiang-Lai Deng, Dan Yang,\* Lin-Hai Jing\* and Ming-Song Shi\*

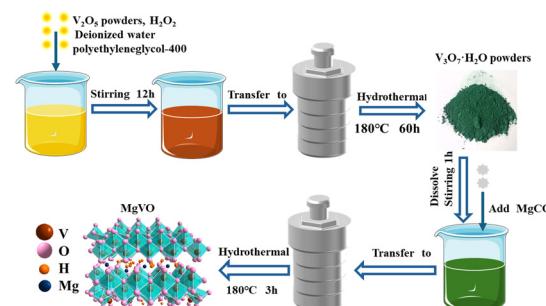


## COMMUNICATIONS

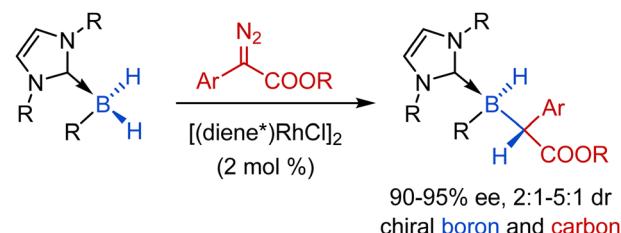
8593

**A continuous covalent organic framework membrane as an artificial solid electrolyte interphase for lithium metal anodes**Tae Jeong Kim, Xing Li, Fangzheng Chen and  
Yayuan Liu\*

8597

**Mg ions intercalated with V<sub>3</sub>O<sub>7</sub>·H<sub>2</sub>O to construct ultrastable cathode materials for aqueous zinc-ion batteries**Yaowen Shi, Bosi Yin, Ying Sun, Rongyuan Ge,  
Yingfang Hu, Jiazhuo Li, Hui Li, Siwen Zhang\* and  
Tianyi Ma\*

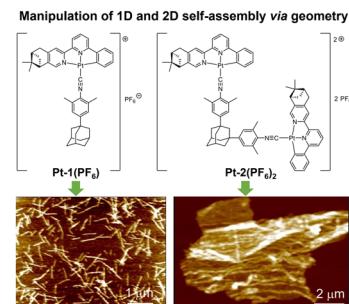
8601

**Synthesis of chiral boranes via asymmetric insertion of carbenes into B–H bonds catalyzed by the rhodium(I) diene complex**Nikita M. Ankudinov, Alina A. Komarova,  
Evgeniya S. Podyacheva, Denis A. Chusov,  
Anastasia A. Danshina and Dmitry S. Perekalin\*

8605

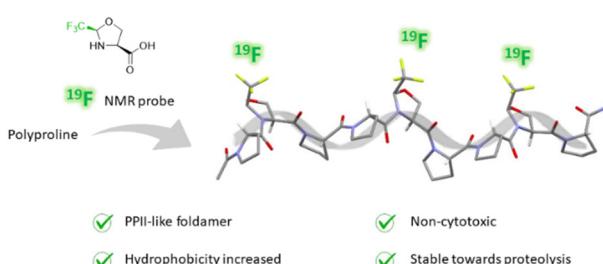
**Manipulation of 1D and 2D self-assembly via geometry modulation of adamantane isocyanide Pt(II) complexes**

Fang Yang, Heyang Li, Huijie Li and Xiaoming He\*



## COMMUNICATIONS

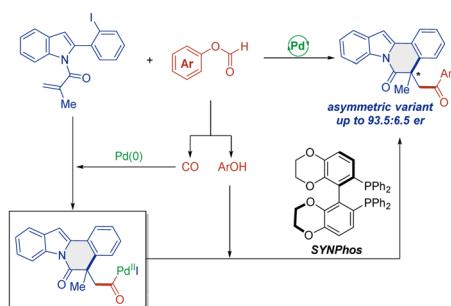
8609



### Incorporation of $\text{CF}_3$ -pseudoprolines into polyproline type II foldamers confers promising biophysical features

Chloé Cayrou, Astrid Walrant, Delphine Ravault, Karine Guitot, Sylvie Noinville, Sandrine Sagan, Thierry Brigaud, Simon Gonzalez,\* Sandrine Ongeri and Grégory Chaume\*

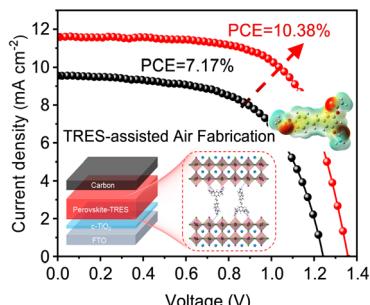
8613



### Pd-Catalyzed cascade Heck cyclization/carbonylation of indoles with aryl formates: enantioselective construction of indolo[2,1-a]isoquinolines

Dongmei Chi, Hongbo Qi, Leming Wang\* and Shufeng Chen\*

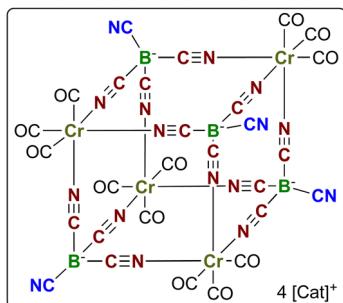
8617



### Air-fabricated $\text{CsPbIBr}_2$ perovskite film for efficient and stable solar cells by a triacetyl resveratrol additive

Jiabao Li, Ziting Qi, Peizhi Yang,\* Qunwei Tang\* and Jialong Duan\*

8621



### The tetracyanoborate anion as a building block for the heterocubane cluster cage $[\text{Cr}_4\{\text{B}(\text{CN})_4\}_4]^{4-}$

Martin S. Luff, Rüdiger Bertermann, Maik Finze\* and Udo Radius\*

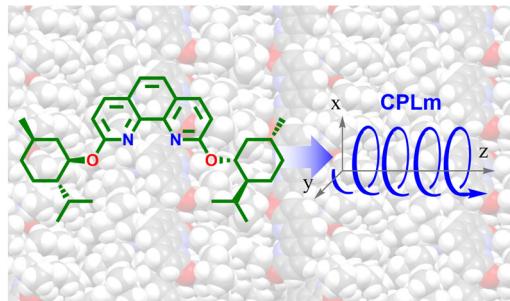


## COMMUNICATIONS

8625

**Molecular ordering-enhanced circularly polarized luminescence of chiral 1,10-phenanthroline derivatives**

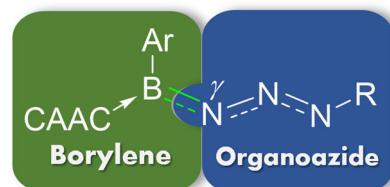
Masayoshi Bando, Mariagrazia Fortino, Adriana Pietropaolo, Yukatsu Shichibu, Katsuaki Konishi and Tamaki Nakano\*



8629

**Transition-metal-like coordination chemistry of dicoordinate borylenes with organic azides**

Robert Witte, Sourav Kar, Krzysztof Radacki, Marcel Härtelrich, Maximilian Rang, Maximilian Michel, Cornelius Mihm, Corinna Czernetzki, Tobias Brückner, Eva Beck, Sarah Lutz, Rian D. Dewhurst and Holger Braunschweig\*



- ✓ Synthesis and crystal structures
- ✓ Transition-metal-like chemistry of borylene
- ✓ Adduct formation through  $\gamma$ -N of organoazide

