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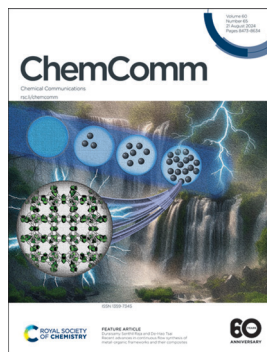
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ISSN 1359-7345 CODEN CHCOFS 60(65) 8473-8634 (2024)



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See Jan J. Weigand *et al.*, pp. 8537–8540.
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Inside cover

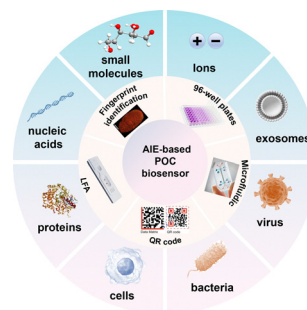
See Duraisamy Senthil Raja and De-Hao Tsai, pp. 8497–8515.
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HIGHLIGHT

8484

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

Xiaoxia Jian, Guoyu Jiang and Jianguo Wang*

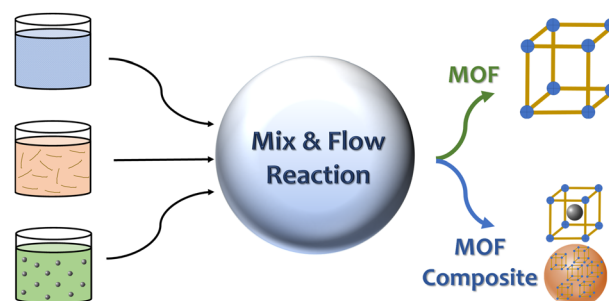


FEATURE ARTICLES

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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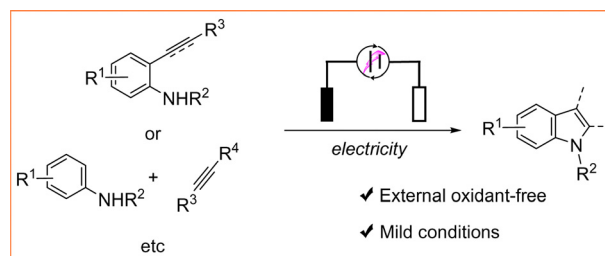


FEATURE ARTICLES

8516

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

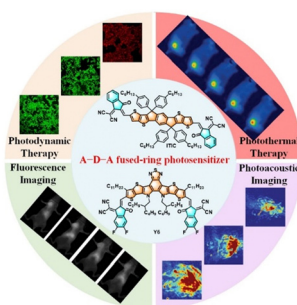
Yu Zheng,* Chunxi Chen, Yanju Lu and Shenlin Huang*



8526

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

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

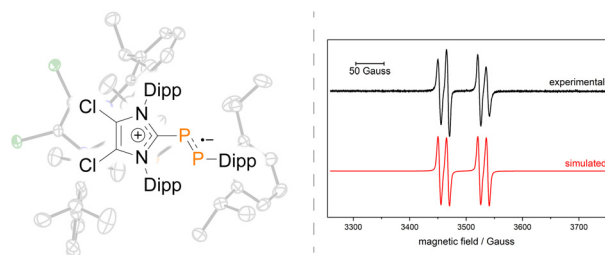


COMMUNICATIONS

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

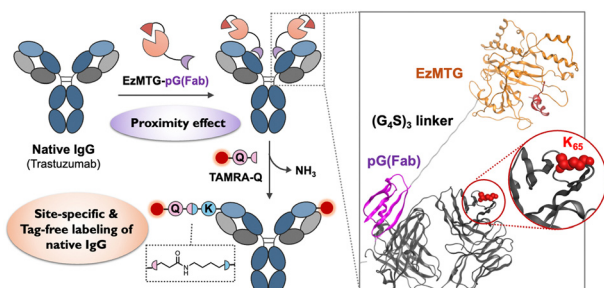
Nitroso-azomethine(ene) reaction enabled annulations of nitrosoarenes, azomethines and alkenes

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



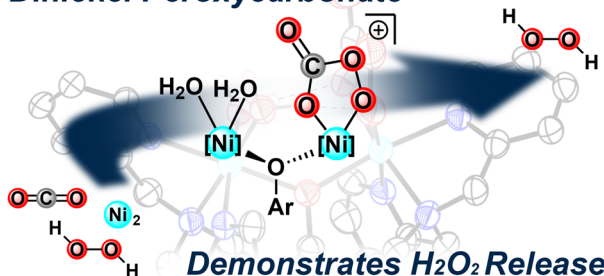
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8545

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

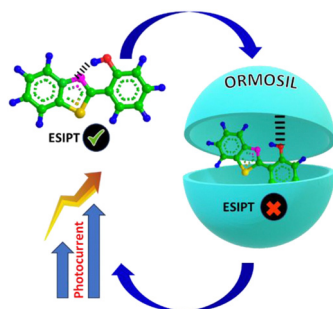
Riko Nishioka, Ryuya Iida, Kosuke Minamihata, Ryo Sato, Michio Kimura and Norihiro Kamiya*

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Dinickel Peroxycarbonate**A dinuclear nickel peroxycarbonate complex: CO₂ addition promotes H₂O₂ release**

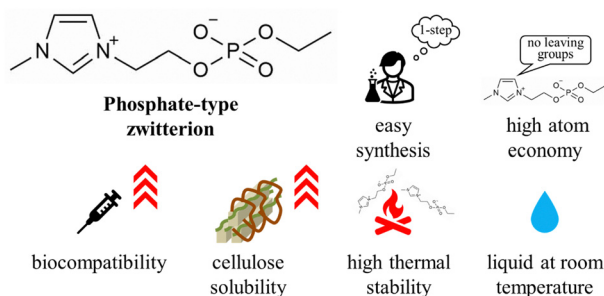
Hayley L. Lillo and Joshua A. Buss*

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**Geometrically twisted intra–inter-molecular cooperative interactions for an enhanced photo-response in an ORMOSIL-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*

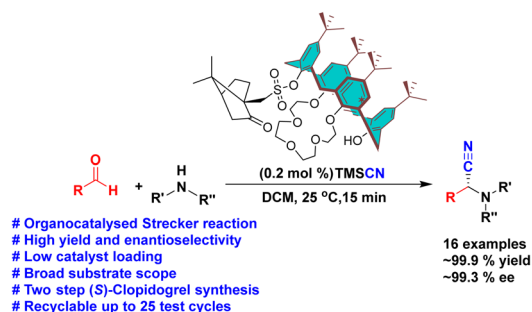


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Scalable organocatalytic one pot asymmetric Strecker reaction *via* camphor sulfonyl functionalized crown-ether-tethered calix[4]arene

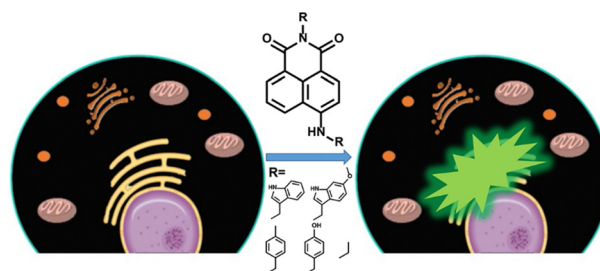
Apoorva Malik, Kirti Antil, Nikhil Singh, Pragati R. Sharma* and Rakesh K. Sharma*



8565

A naphthalimide-based fluorescent platform for endoplasmic reticulum targeted imaging

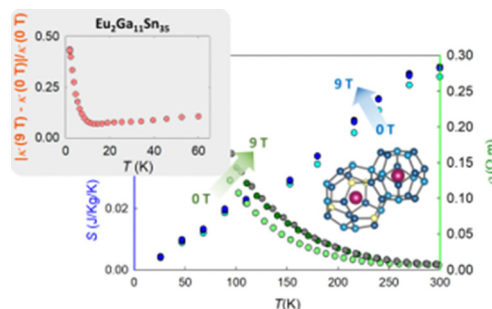
Yiwei Li, Nan Zhang, Yan Wang, Shanshan Lu, Jing Sheng, Xiangjun Liu,* Yongbiao Wei and Dihua Shangguan*



8569

Dilute but significant: low cation concentration affects field dependent properties of $\text{Eu}_2\text{Ga}_{11}\text{Sn}_{35}$

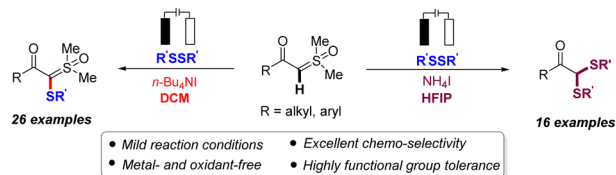
Wilarachchige D. C. B. Gunatilleke and George S. Nolas*



8573

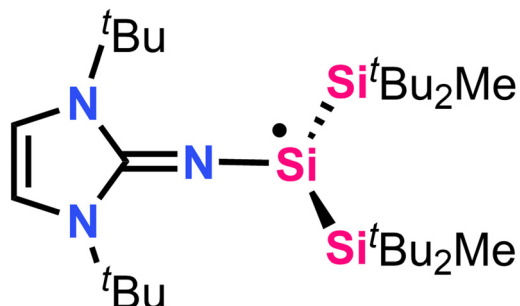
Tunable electrochemical diverse sulfurization of sulfoxonium ylides with disulfides

Xinwei Hu, Kaihui Zhong and Zhixiong Ruan*



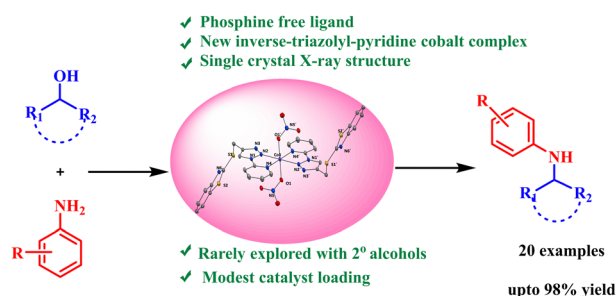
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**A neutral crystalline imino-substituted silyl radical**

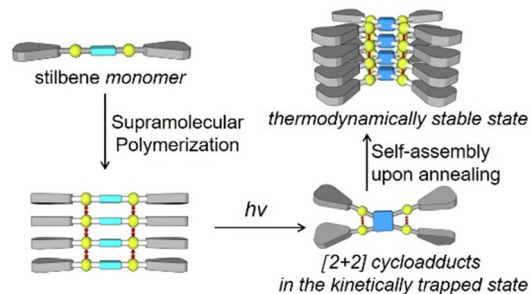
Fiona J. Kiefer, Arseni Kostenko, Richard Holzner and Shigeyoshi Inoue*

8581

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

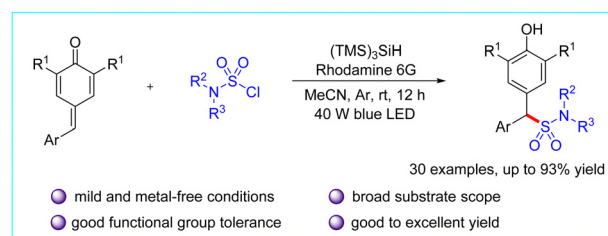
Bhawana Shekhawat, Puneet Singh Gahlaut, Deepak Gautam and Barun Jana*

8585

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

Yi Lu, Ruilong 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*

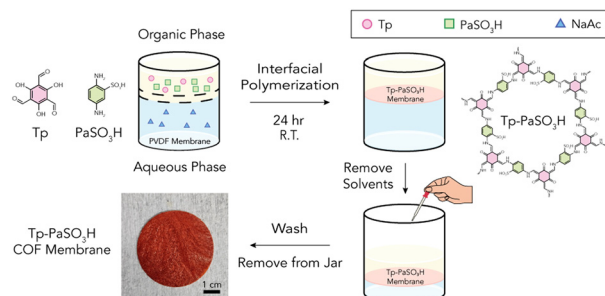


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A continuous covalent organic framework membrane as an artificial solid electrolyte interphase for lithium metal anodes

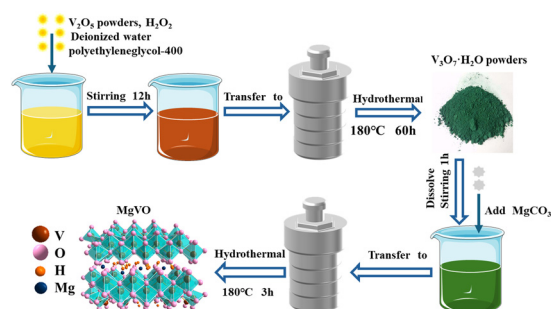
Tae Jeong Kim, Xing Li, Fangzheng Chen and Yayuan Liu*



8597

Mg ions intercalated with $V_3O_7 \cdot H_2O$ to construct ultrastable cathode materials for aqueous zinc-ion batteries

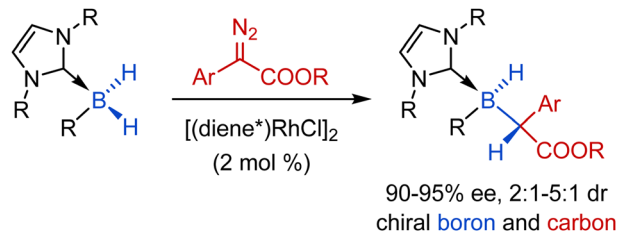
Yaowen Shi, Bosi Yin, Ying Sun, Rongyuan Ge, Yingfang Hu, Jiazhao Li, Hui Li, Siwen Zhang* and Tianyi Ma*



8601

Synthesis of chiral boranes via asymmetric insertion of carbenes into B–H bonds catalyzed by the rhodium(i) diene complex

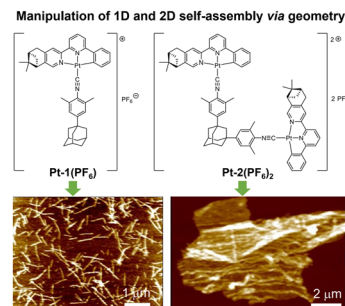
Nikita M. Ankudinov, Alina A. Komarova, Evgeniya S. Podyacheva, Denis A. Chusov, Anastasia A. Danshina and Dmitry S. Perekalin*



8605

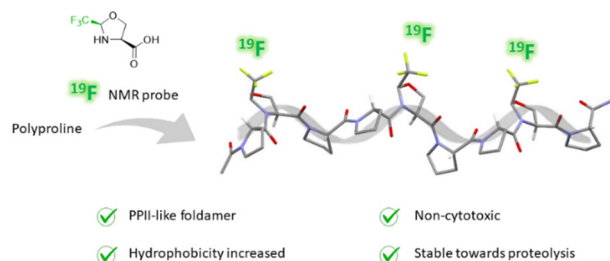
Manipulation of 1D and 2D self-assembly via geometry modulation of adamantane isocyanide Pt(II) complexes

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



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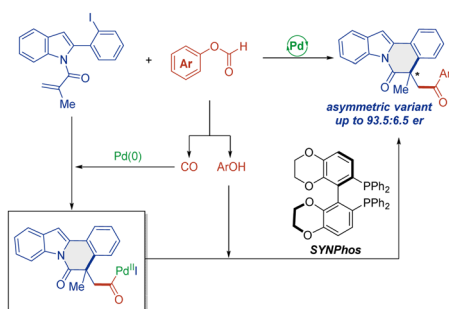
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Incorporation of CF₃-pseudoprolines into polypyrrolone type II foldamers confers promising biophysical features

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

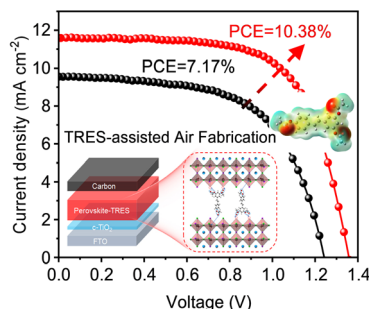
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Pd-Catalyzed cascade Heck cyclization/carbonylation of indoles with aryl formates: enantioselective construction of indolo[2,1-a]isoquinolines

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

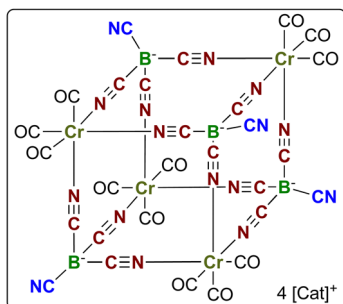
8617



Air-fabricated CsPbI₂Br₂ 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 [Cr₄{B(CN)₄}₄]⁴⁻

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

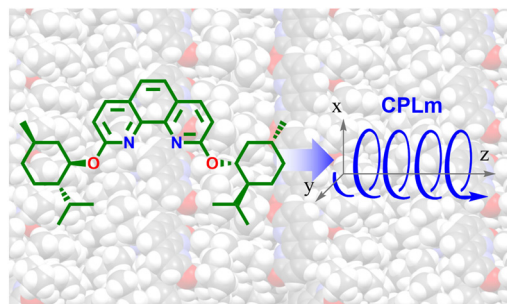


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Molecular ordering-enhanced circularly polarized luminescence of chiral 1,10-phenanthroline derivatives

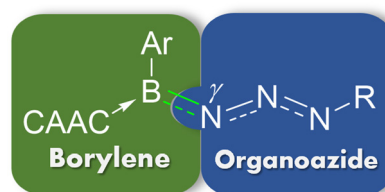
Masayoshi Bando, Mariagrazia Fortino, Adriana Pietropaolo, Yukatsu Shichibu, Katsuaki Konishi and Tamaki Nakano*



8629

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

Robert Witte, Sourav Kar, Krzysztof Radacki, Marcel Härterich, 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 γ -N of organoazide

