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IN THIS ISSUE

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Cover

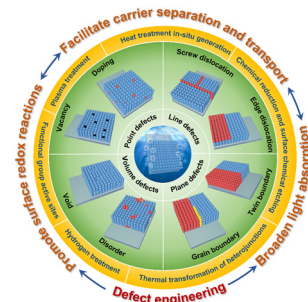
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2023, 59, 10101.

HIGHLIGHT

10044

Imperfect makes perfect: defect engineering of photoelectrodes towards efficient photoelectrochemical water splitting

Xin Wang, Siqing Ma, Boyan Liu, Songcan Wang* and Wei Huang*

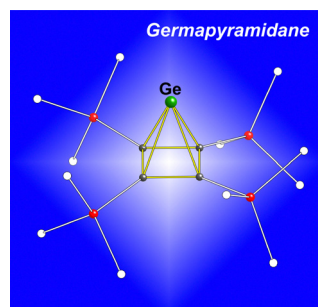


FEATURE ARTICLES

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Pyramidanes: newcomers to the anti-van't Hoff–Le Bel family

Vladimir Ya. Lee* and Olga A. Gapurenko



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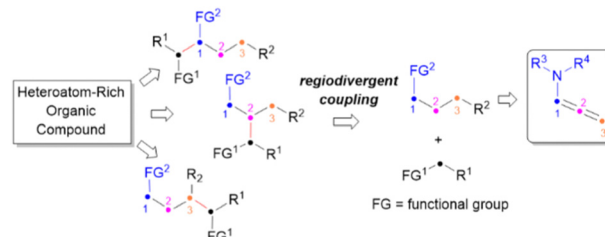


FEATURE ARTICLES

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Development of regiodivergent asymmetric reductive coupling reactions of allenamides to access heteroatom-rich organic compounds

Stephen Collins and Joshua D. Sieber*

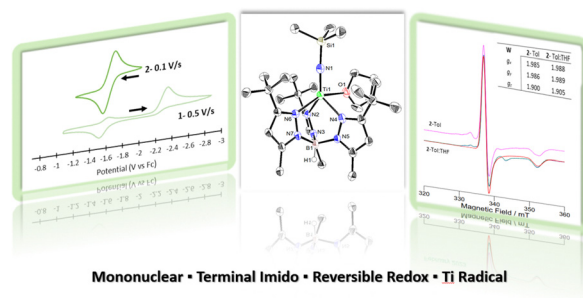


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A mononuclear, terminal titanium(III) imido

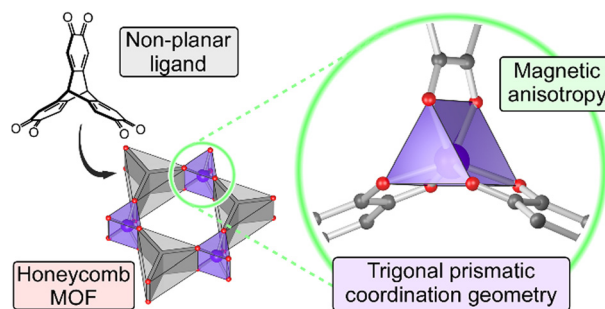
Jacob S. Mohar, Anders Reinholdt, Taylor M. Keller, Patrick J. Carroll, Joshua Telser* and Daniel J. Mindiola*



10105

Ideal trigonal prismatic coordination geometry of Co(II) in a honeycomb MOF with a triptycene-based ligand

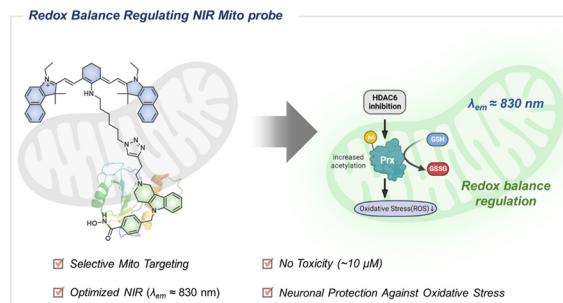
Yoshiaki Shuku, Rie Suizu, Masahisa Tsuchiizu* and Kunio Awaga*



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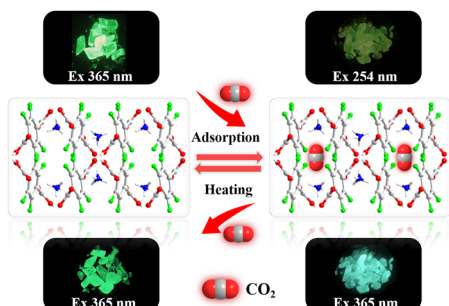
Mitochondrial NIR imaging probe mitigating oxidative damage by targeting HDAC6

Jungryun Kim, Paramesh Jangili*, Jeongah Kim, Stephani Edwina Lucia, Jae Ryun Ryu, Renuka Prasad, Soyu Zi, Pilhan Kim*, Woong Sun* and Jong Seung Kim*



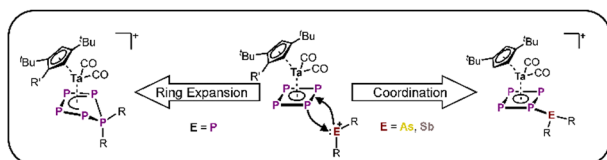
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**CO₂-responsive tunable persistent luminescence in a hydrogen-bond organized two-component ionic crystal**

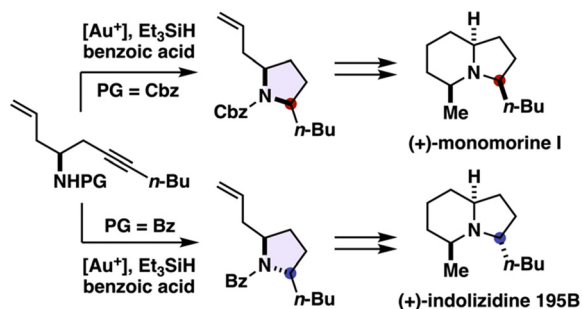
Guowei Xiao, Yu-Juan Ma, Xiaoyu Fang, Changhai Xu* and Dongpeng Yan*

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**Ring expansion vs. addition – reactivity of a cyclo-P₄ complex towards pnicogenium cations**

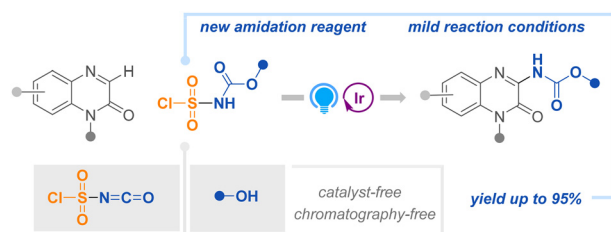
Christoph Riesinger, Alexander Erhard and Manfred Scheer*

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**Au-catalyzed stereodivergent synthesis of 2,5-disubstituted pyrrolidines: total synthesis of (+)-monomorine I and (+)-indolizidine 195B**

Hayato Nakagawa and Haruhiko Fuwa*

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**N-Chlorosulfonyl carbamate-enabled, photoinduced amidation of quinoxalin-2(1H)-ones**

Chu-Ping Yuan, Zhen-Zhen Xie, Yu Zheng, Jun-Tao He, Jian-Ping Guan, Hong-Bin Chen, Hao-Yue Xiang, Kai Chen* and Hua Yang*

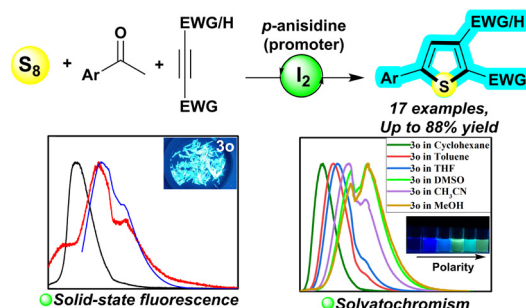


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Iodine-catalyzed three-component annulation: access to highly fluorescent trisubstituted thiophenes

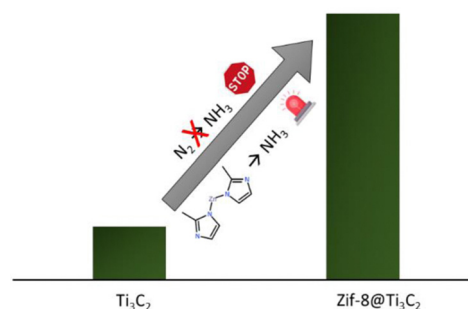
Deepan Babu Rajkumar, Karthiyayini Gnanaoli, Arulmozhi Puhazhendhi, Tamilselvi Arunachalam, Subbiah Nagarajan, Vellaisamy Sridharan, Soumya Sivalingam and C. Uma Maheswari*



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Reactivity of nitrogen atoms from Zif-8 structure deposited over Ti_3C_2 MXene in the electrochemical nitrogen reduction reaction

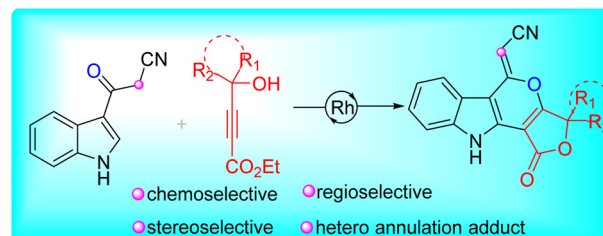
André L. A. Marinho,* Clément Comminges, Aurélien Habrioux, Stéphane Célrier, Nicolas Bion and Cláudia Morais



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Rh-catalyzed chemo-, stereo- and regioselective C–H cascade annulation of indolyloxopropane-nitriles for pyranoindoles

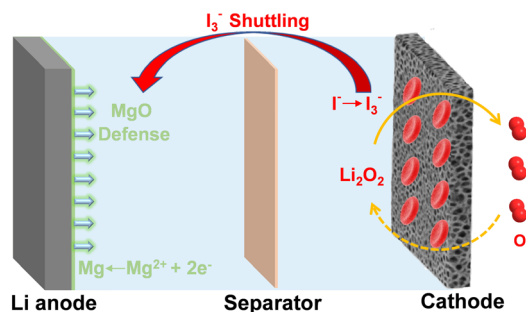
Ramesh Kotipalli, Undamatla Suri Babu, Jagadeesh Babu Nanubolu and Maddi Sridhar Reddy*



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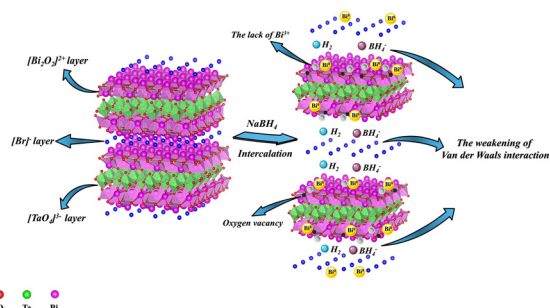
Bifunctional electrolyte additive MgI_2 for improving cycle life in high-efficiency redox-mediated Li– O_2 batteries

Wei Li, Chuanchao Sheng, Lei Wang, Xinyi Sun, Xiaowei Mu, Ping He* and Haoshen Zhou



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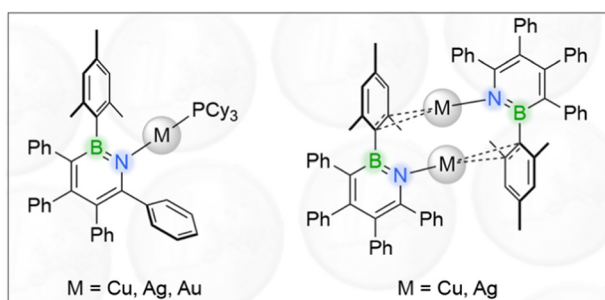
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Wet-chemical intercalation of $\text{Bi}_4\text{TaO}_8\text{Br}$ with self-adaptive structural deformation for enhanced photocatalytic performance

Ke Sa, Xiaorui Zhang, Zikang Zeng, Yujun Liang and Chuang Han*

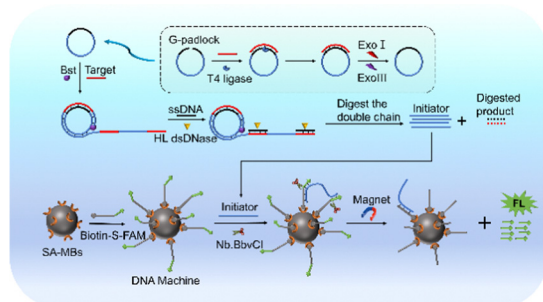
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Coinage metal complexes of BN analogues of *m*-terphenyl ligands

Anna Lamprecht, Felix Lindl, Lukas Endres, Ivo Krummenacher and Holger Braunschweig*

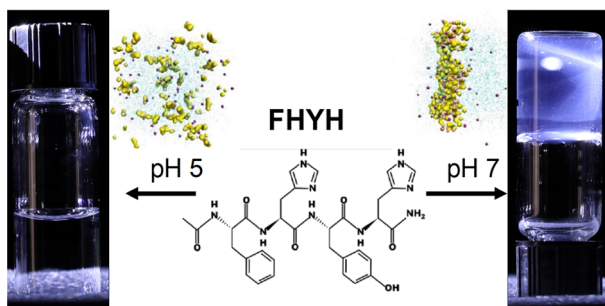
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A specific and low background nucleic acids sensing strategy based on rolling circle amplification coupled with a magnetic DNA machine

Xiangde Lai, Xuan Zhao, Yanan Peng, Rui Zhang, Huajie Pang, Zhijun Gao, Dongxia Li, Peipei Cao, Qiumei Pu, Bin Qiao,* Hua Pei* and Qiang Wu*

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Unbiased *in silico* design of pH-sensitive tetrapeptides

Yue Hu, Federica Rigoldi, Hui Sun, Alfonso Gautieri* and Benedetto Marelli*

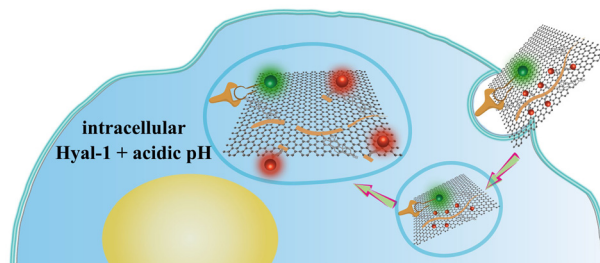


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Real-time tracking of the intracellular delivery of a 2D nanosystem using a progressively activatable fluorescence platform for cancer diagnosis

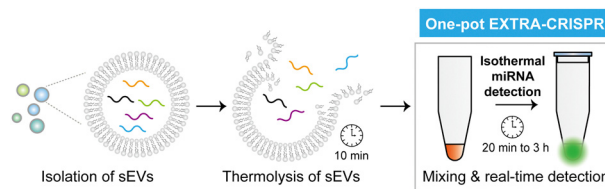
Xianghua Zhong, Qin Fu, Xinchao Liu and Peng Shi*



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Extraction-free, one-pot CRISPR/Cas12a detection of microRNAs directly from extracellular vesicles

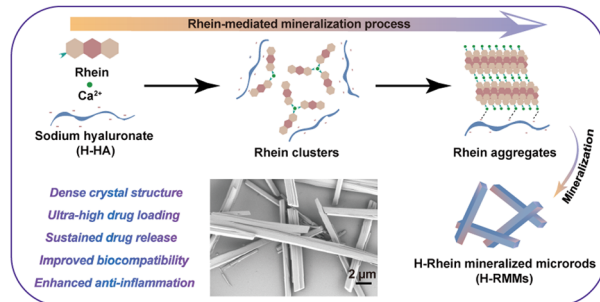
He Yan, Song Han, Steven Hughes and Yong Zeng*



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Microrod crystals formed via Rhein-mediated mineralization

Jiaying Liu, Zhenyan Zhang, Yu Yan, Xiaonong Zhang, Chunsheng Xiao* and Xuesi Chen*



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Regulation of the surface activity of carbon anodes for rationalization of potassium storage

Xiaozhi Yuan, Yuli Xiong, Yu Liu, Xijun Wei,* Feng Wei,* Menglei Wang, Yang Cao, Gang Tao, Qingchun Zhang, Qi Wan and Yingze Song*

