

ChemComm

Chemical Communications

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Cover

See Seung Bum Park *et al.*, pp. 12525–12528. Image reproduced by permission of Seung Bum Park from *Chem. Commun.*, 2024, 60, 12525.



Inside cover

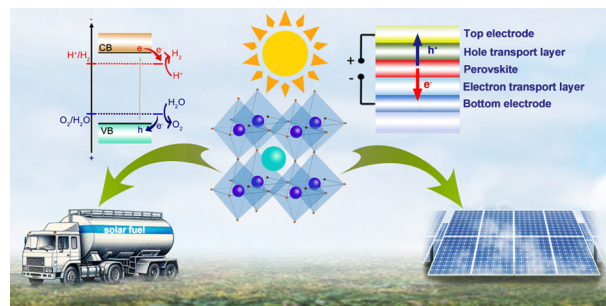
See Julia L. Brumaghim *et al.*, pp. 12529–12532. Image generated via Adobe Firefly. Image reproduced by permission of Julia L. Brumaghim from *Chem. Commun.*, 2024, 60, 12529.

COMMENTARY

12471

Advances in perovskite-based photovoltaics and photocatalysis: a journey fueled by *ChemComm*

Haoxin Mai* and Rachel A. Caruso*

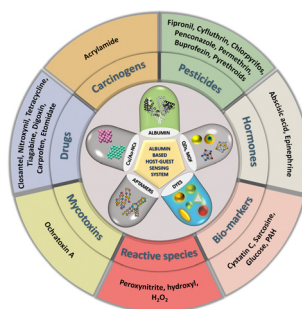


HIGHLIGHTS

12474

Albumin host for supramolecular fluorescence recognition

Immanuel David Charles, Lei Wang, Yu Chen* and Bin Liu*



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Fundamental questions
Elemental answers

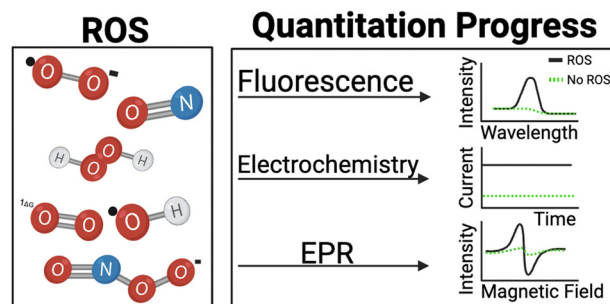


HIGHLIGHTS

12487

Progress and limitations in reactive oxygen species quantitation

Eleni M. Spanolios, Riley E. Lewis, Rhea N. Caldwell, Safia Z. Jilani and Christy L. Haynes*

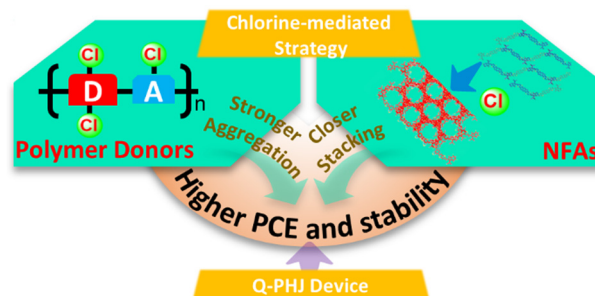


FEATURE ARTICLES

12502

Chlorine-mediated strategy for organic photovoltaics

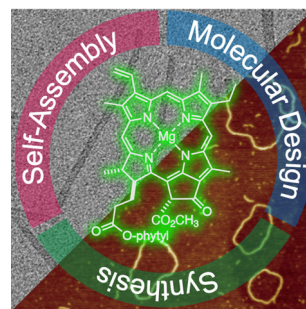
Dongsheng Qiu, Mingrui Pu and Feng He*



12513

Biomimetic light-harvesting antennas via the self-assembly of chemically programmed chlorophylls

Shogo Matsubara,* Sunao Shoji and Hitoshi Tamiaki

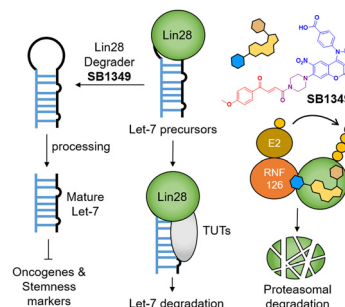


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12525

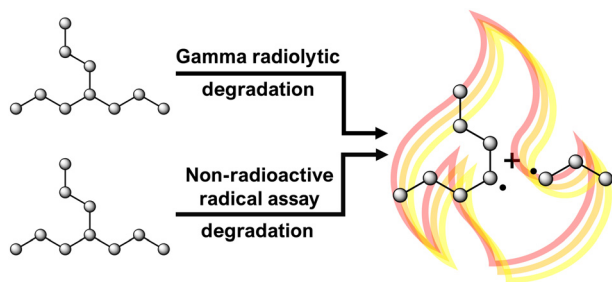
Development of a molecular glue-based Lin28 degrader to regulate cellular proliferation and stemness

Minha Lee, Wan Gi Byun, Sumin Son and Seung Bum Park*



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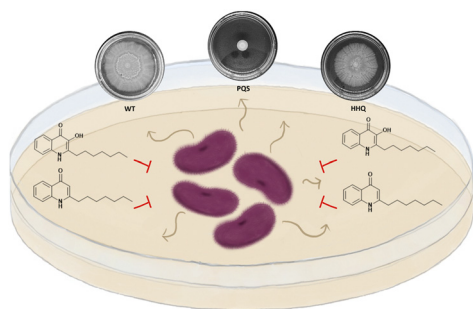
12529



Developing non-radioactive, radical methods to screen for radiolytic stability

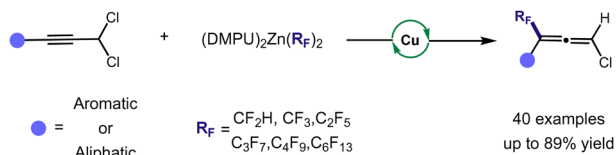
Brandon G. Wackerle, Madison R. Vicente, Fatema Tuz Zohara, Dean R. Peterman, Modi Wetzler and Julia L. Brumaghim*

12533

Inhibition of *Acinetobacter nosocomialis* twitching motility by quinolones produced by *Pseudomonas aeruginosa*

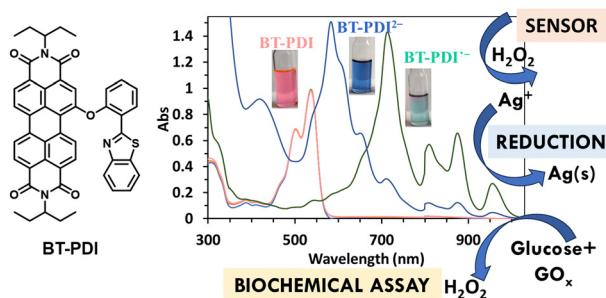
Nadeem Alatawneh, Manikandan Thangaraj and Michael M. Meijler*

12537

Copper-catalyzed perfluoroalkylation of propargyl *gem*-dichlorides

Bosheng Liu, Jinxu Dong, Qi Zhu, Jundong Zhang, Jian Huang, Shiwen Liu and Xiaojun Zeng*

12541



Perylene diimide–hydroxyphenyl benzothiazole–based new class of radical anions/dianions: biochemical assay for glucose detection

Sanjeev Kumar, Poonam Sharma, Siyu Liu, Kapil Kumar, Junsheng Chen and Prabhpreet Singh*

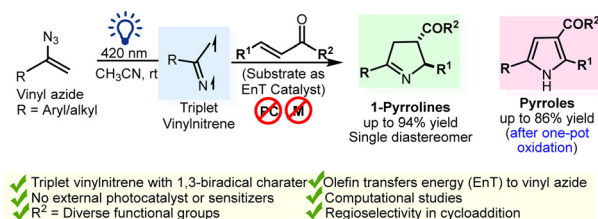


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External photocatalyst-free photocycloaddition between triplet vinylnitrenes with 1,3-biradical character and activated olefins under 420 nm LEDs

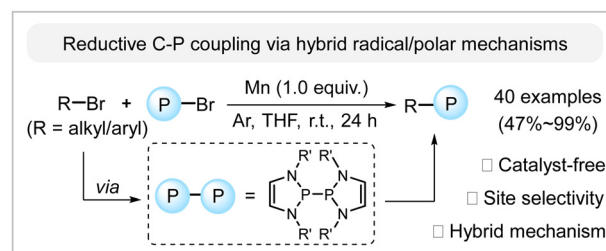
Sidhartha Malo, Supriyo Santra, Jayanta Saha, Debashree Ghosh* and Indrajit Das*



12549

Phosphination of aryl/alkyl bromides via Mn-mediated reductive C–P coupling

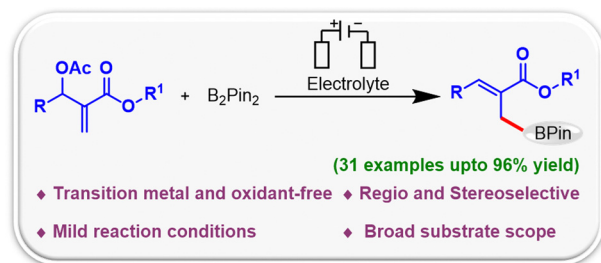
Likun Dong, Bing Zhong, Yu-Shan Zhang, Jin-Dong Yang* and Jin-Pei Cheng



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Electrochemical stereoselective borylation of Morita–Baylis–Hillman adducts to functionalized allylic boronates

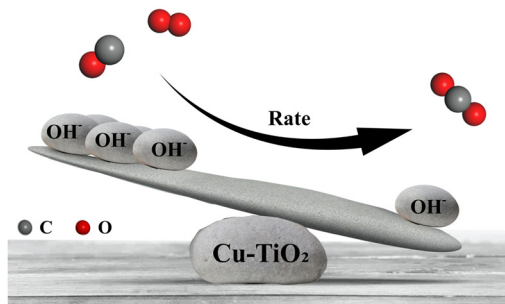
Jagadeesh Reddy Thondur, Duddu S. Sharada* and Gedu Satyanarayana*



12557

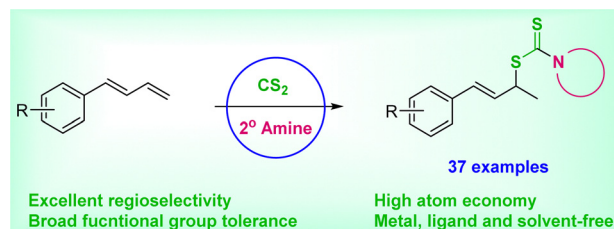
A local hydroxyl group-modified copper site directs the oxidation of carbon monoxide

Guoqiang Cao and Nan Yi*

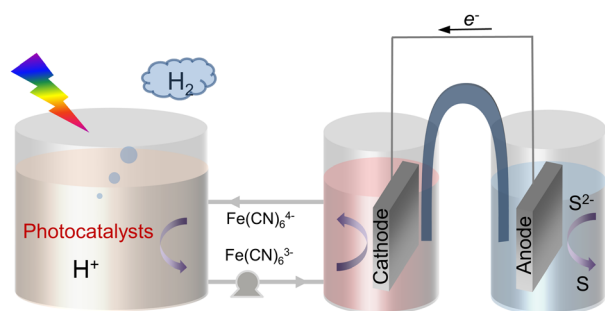


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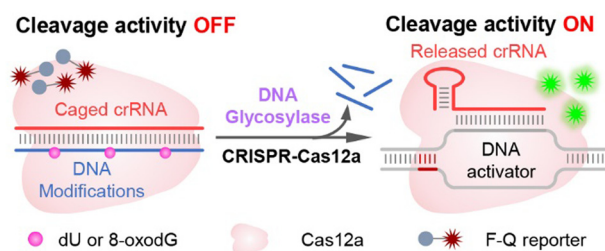
12561



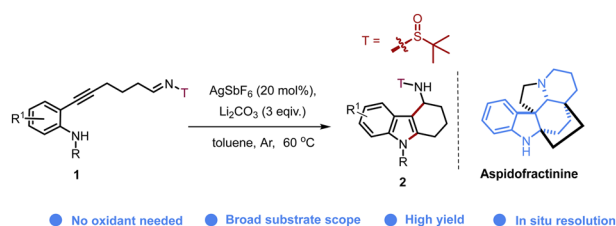
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12573

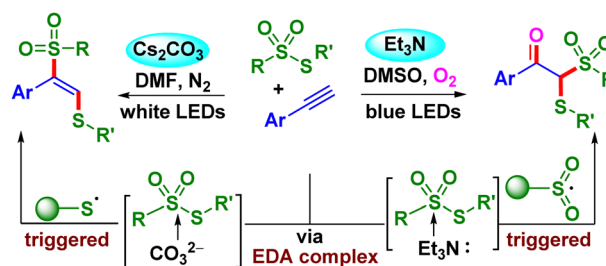


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Electron-donor–acceptor (EDA) complex-driven regioselective vicinal and oxidative geminal functionalization of alkynes

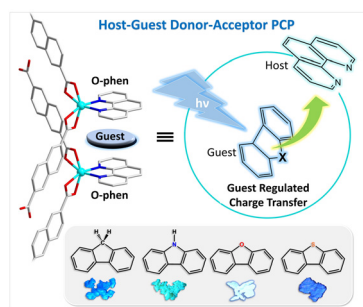
Dinabandhu Barik, Nikita Chakraborty, Ashish K. Sahoo, Hirendra Nath Dhara and Bhisma K. Patel*



12581

Modulating photophysical properties in a flexible porous host by regulating guest-assisted charge transfer interactions

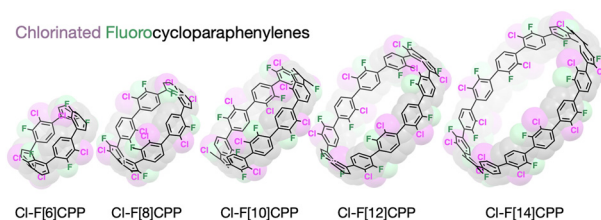
Rohan Jena, Faruk Ahamed Rahimi, Tarak Nath Das, Soumya Kanti Mondal, Jatin Chauhan and Tapas Kumar Maji*



12585

Synthesis and size-dependent properties of multiple sizes of chlorinated fluorocycloparaphenylenes

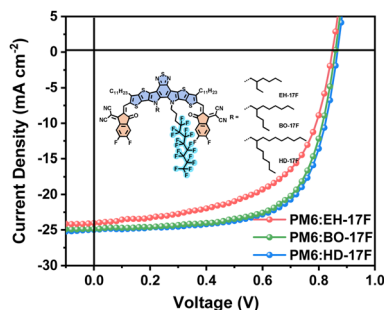
Daiki Imoto, Hiroki Shudo, Kiichi Mizukami, Nobuo Kimizuka,* Akiko Yagi* and Kenichiro Itami*



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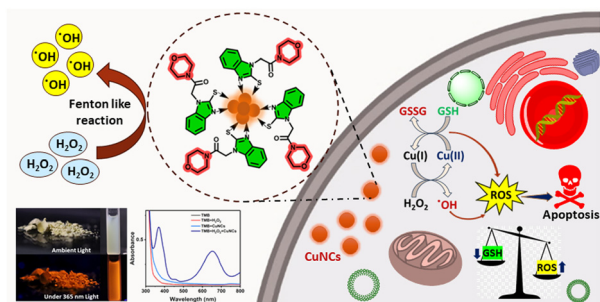
Influence of alkyl chain fluorination proportion on the photovoltaic performance of non-fullerene acceptors

Shuai Liu, Tongzi Li, Xiaoli Zhou, Wenting Liang, Shenbo Zhu, Wenzhao Xiong, Yongjie Cui, Huawei Hu* and Yiwang Chen*



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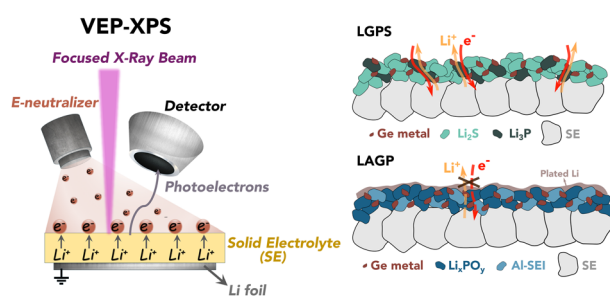
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Atomically precise copper nanoclusters mediated Fenton-like reaction for cancer chemodynamic therapy

Vishal Saini, Kartikay Tyagi, Reena Kumari and V. Venkatesh*

12597



In situ XPS investigation of the SEI formed on LGPS and LAGP with metallic lithium

Yi Liang, Matthew Burton, Ben Jagger, Hua Guo, Johannes Ihli and Mauro Pasta*

CORRECTION

12601

Correction: Malachite green: a long-buried water-soluble AIEgen with near-infrared fluorescence for living cell nucleus staining

Yuan Luo, Lihua Zhou, Lili Du, Yangzi Xie, Xiang-Yang Lou, Lintao Cai, Ben Zhong Tang, Ping Gong* and Pengfei Zhang*

