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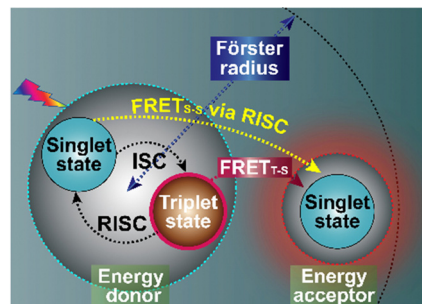


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Förster resonance energy transfer involving the triplet state

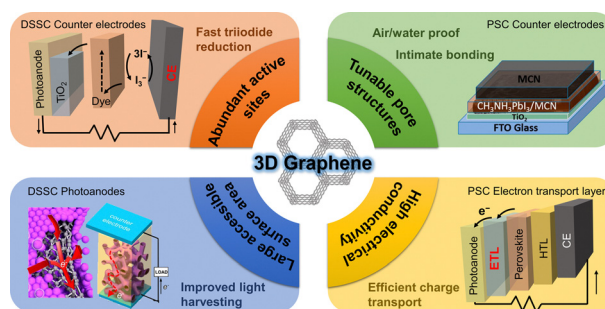
Bahadur Sk and Shuzo Hirata*



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3D graphene: synthesis, properties, and solar cell applications

Hanrui Su and Yun Hang Hu*

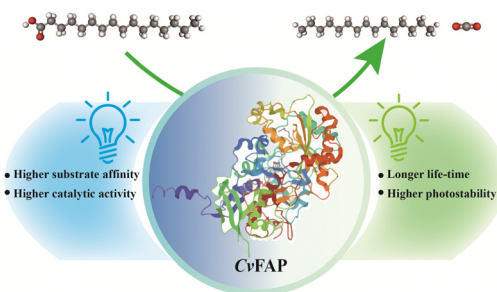


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Green light enhanced the photostability and catalytic performance of fatty acid photodecarboxylase

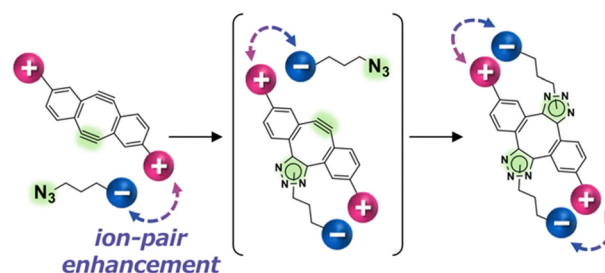
Ao Xia,* Xiaobo Guo, Yingxin Chai, Wuyuan Zhang, Yun Huang, Xianqing Zhu, Xun Zhu and Qiang Liao*



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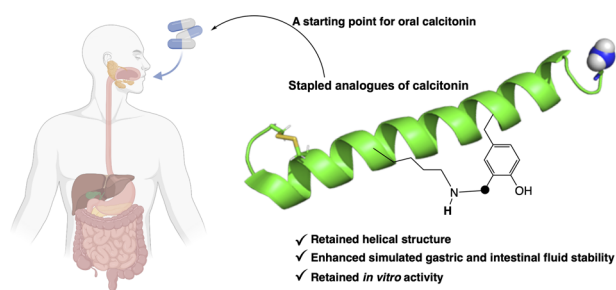
Mechanism of rate controllability of water-soluble bifunctional cyclooctadiynes through cation-anion interactions

Moeka Yoshinaga, Fumiya Sato, Kohei Kitagawa, Natsuki Yokota, Shogo Sasaki, Manami Takeuchi, Hiroshi Tsugawa, Kohtaro Sugahara, Shoko Mori and Masayuki Tera*



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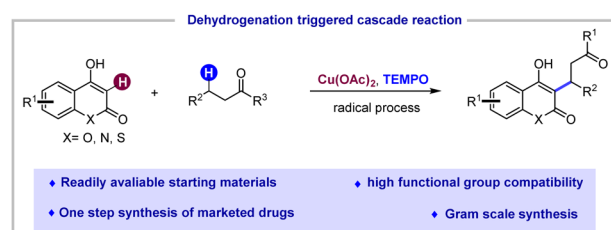
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Enhancing the gastrointestinal stability of salmon calcitonin through peptide stapling

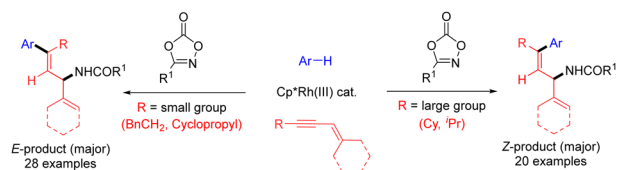
Hiba Ghareeb and Norman Metanis*

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Direct synthesis of alkylated 4-hydroxycoumarin derivatives *via* a cascade Cu-catalyzed dehydrogenation/conjugate addition sequence

Zhiliang Chen, Hongyi Li,* Yanjing Liao, Mengqi Wang and Weiping Su*

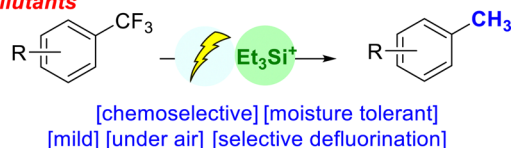
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Three-component regioselective carboamidation of 1,3-enynes *via* rhodium(III)-catalyzed C–H activation

Lingheng Kong, Xi Han, Panjie Hu, Fen Wang* and Xingwei Li*

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Trifluoromethyl arenes:
Persistent Organic
Pollutants



Electrochemical C–F bond activation of trifluoromethylarenes using silylium ions

Subhojit Mondal, Boris Stevanovic, Eric Butler, Jason W. Wang and Michael W. Meanwell*

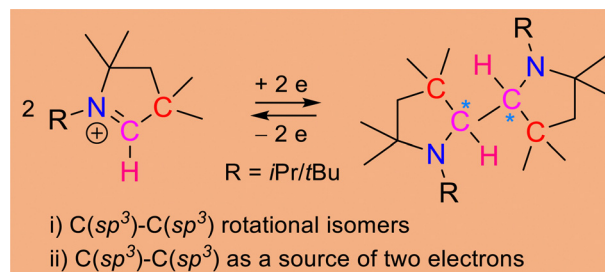


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Reduction of 2-*H*-substituted pyrrolinium cations: the carbon–carbon single bond in air stable 2,2'-bipyrrolidines as a two-electron-source

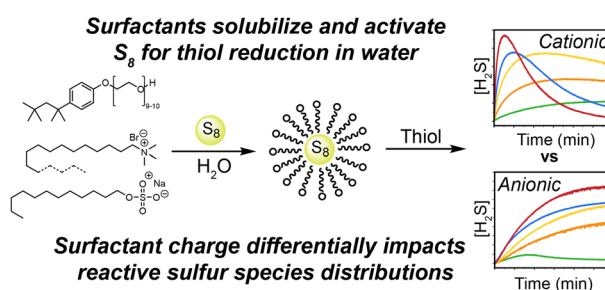
Mithilesh Kumar Nayak, Benedict J. Elvers, Debdeep Mandal, Ayan Das, Raghunathan Ramakrishnan,* Kaustubh R. Mote,* Carola Schulzke,* Cem Burak Yildiz* and Anukul Jana*



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Solubilization of elemental sulfur by surfactants promotes reduction to H₂S by thiols

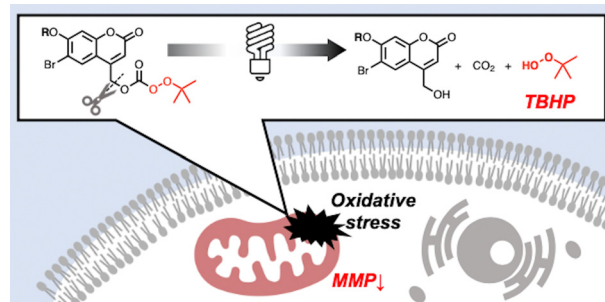
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Synthesis and photochemical properties of caged peroxides for photocontrol of cellular oxidative stress

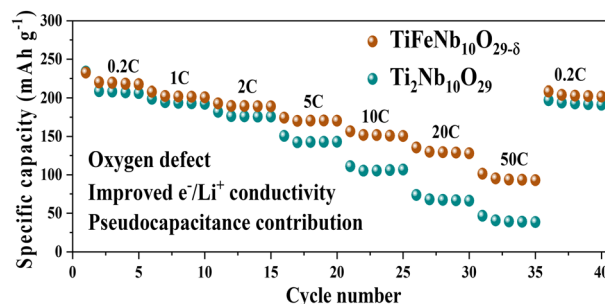
Mieko Tsuji,* Haruno Taira, Taro Udagawa, Tatsuya Aoki, Tasuku Hirayama and Hideko Nagasawa*



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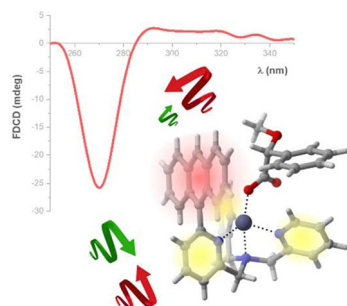
TiFeNb₁₀O_{29-δ} anode for high-power and durable lithium-ion batteries

Guangshuo Wang, Yuanyuan Sun, Yonghua Sun, Chao Yan, Yuepeng Pang, Tao Yuan* and Shiyong Zheng*



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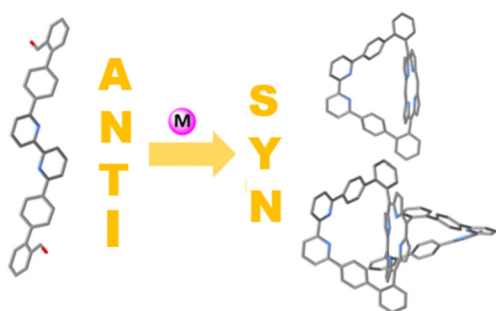
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Fluorescence detected circular dichroism (FDGD) of a stereodynamic probe

Roberto Penasa, Federico Begato, Giulia Licini, Klaus Wurst, Sergio Abbate, Giovanna Longhi and Cristiano Zonta*

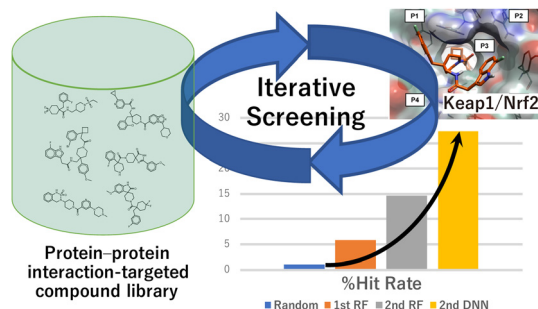
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Remote template effect in the synthesis of bipyridine-strapped porphyrins

Mathilde Berthe, Yoshiyuki Kagawa, Axel Riquet, Takashi Hayashi, Jean Weiss* and Jennifer A. Wytko*

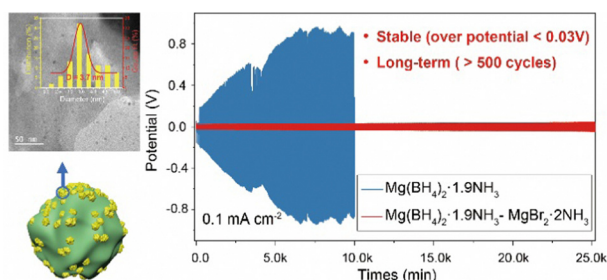
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Applying deep learning to iterative screening of medium-sized molecules for protein-protein interaction-targeted drug discovery

Yugo Shimizu, Tomoki Yonezawa, Yu Bao, Junichi Sakamoto, Mariko Yokogawa, Toshio Furuya, Masanori Osawa and Kazuyoshi Ikeda*

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Enhanced interface stability of ammine magnesium borohydride by *in situ* decoration of $\text{MgBr}_2 \cdot 2\text{NH}_3$ nanoparticles

Qian Wang, Zhaoyue Li, Hanyu Deng, Yungui Chen and Yigang Yan*



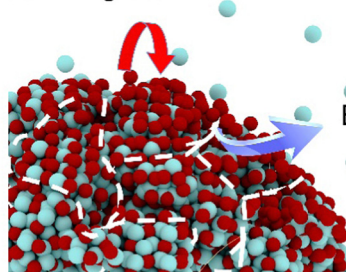
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Dealloying of Pt₁Bi₂ intermetallic toward optimization of electrocatalysis on a Bi-continuous nanoporous core-shell structure

Yacheng Wang, Wubin Wang, Wangyan Hu, Dongtang Zhang,* Guangsheng Guo and Xiayan Wang*

Pt atom migration

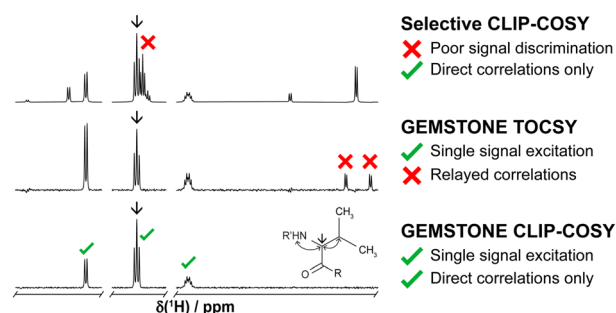


Bi atom dissolution

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Ultra-selective 1D clean in-phase correlation spectroscopy

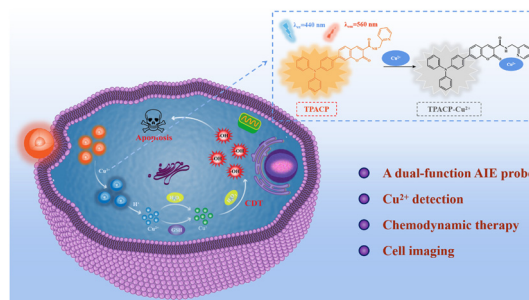
Daniel A. Taylor, Peter Kiraly, Paul Bowyer, Mathias Nilsson, Laura Castañar, Gareth A. Morris and Ralph W. Adams*



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A dual-function probe with aggregation-induced emission feature for Cu²⁺ detection and chemodynamic therapy

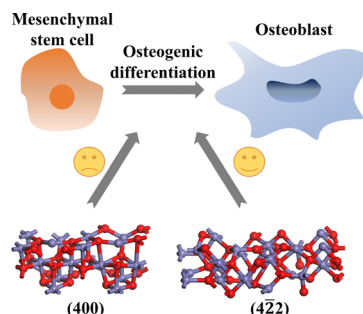
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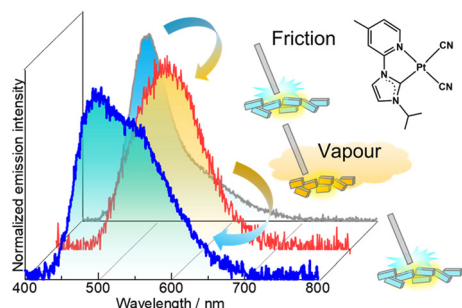
Facet-dependence of Fe₃O₄ for enhancing osteogenic differentiation of BMSCs

Xinlin Wei, Fei Wang, Jie Tao* and Jian Mao*



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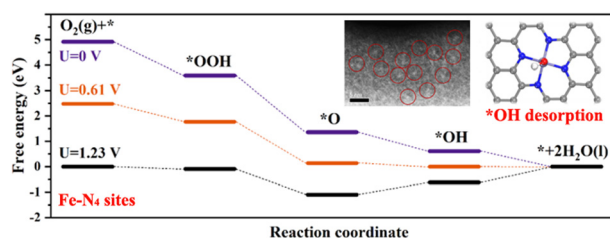
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Chromic triboluminescence of self-assembled platinum(II) complexes

Kono Sasaki, Daisuke Saito, Masaki Yoshida, Fuka Tanaka, Atsushi Kobayashi, Kazuki Sada and Masako Kato*

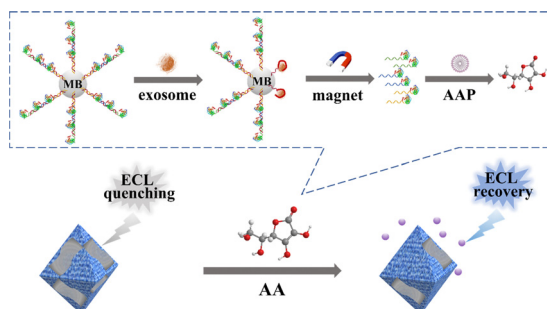
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Single-atomic Fe sites decorated N-doped carbon toward oxygen reduction in MFCs

Cuie Zhao, Wei Luo, Haoran Tian, Tao Lu, Lei Yi, Ying Zhang, Li Shi* and Yanwen Ma*

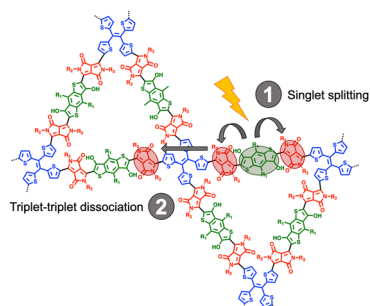
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Integrating resonance energy transfer with enzyme-triggered hydrolysis for ultrasensitive electrochemiluminescence detection of exosomes

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Molecular design of two-dimensional donor-acceptor covalent organic frameworks for intramolecular singlet fission

Maria Fumanal

