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Chemical Communications (print: ISSN 1359-7345; electronic: ISSN 1364-548X) is published 100 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF.

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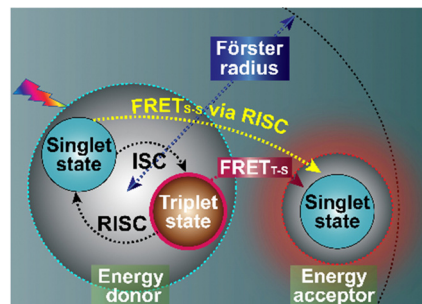


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6643

Förster resonance energy transfer involving the triplet state

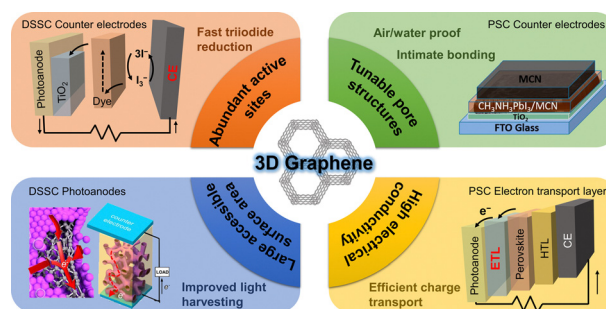
Bahadur Sk and Shuzo Hirata*



6660

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

Hanrui Su and Yun Hang Hu*

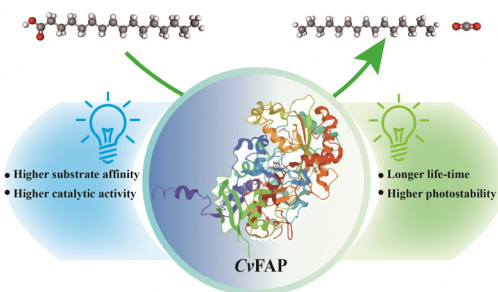


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6674

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

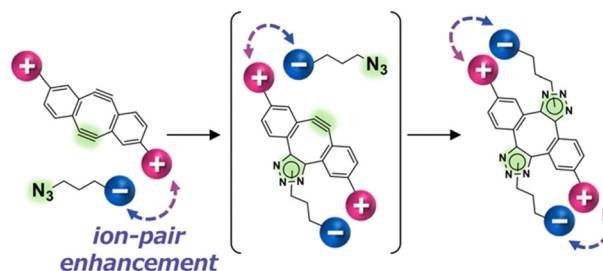
Ao Xia,* Xiaobo Guo, Yingxin Chai, Wuyuan Zhang, Yun Huang, Xianqing Zhu, Xun Zhu and Qiang Liao*



6678

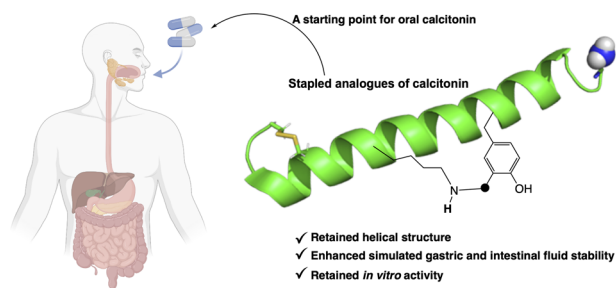
Mechanism of rate controllability of water-soluble bifunctional cyclooctadiynes through cation-anion interactions

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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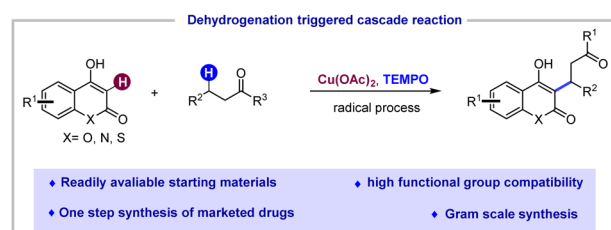
6682



Enhancing the gastrointestinal stability of salmon calcitonin through peptide stapling

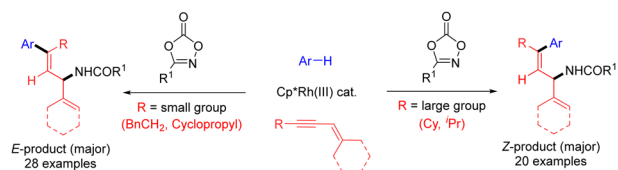
Hiba Ghareeb and Norman Metanis*

6686

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*

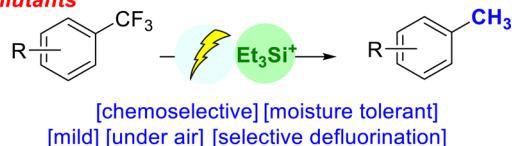
6690

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*

6694

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*

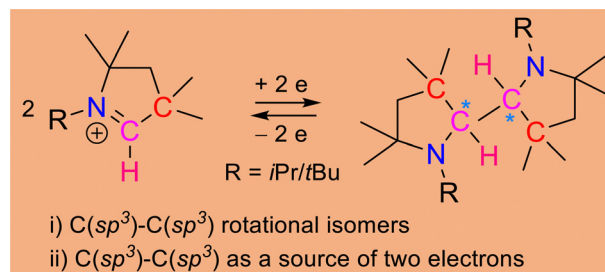


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6698

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

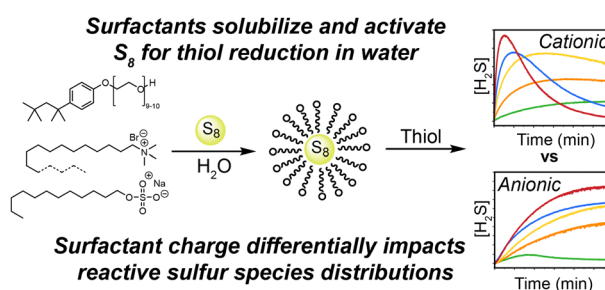
Mithilesh Kumar Nayak, Benedict J. Elvers, Debdeep Mandal, Ayan Das, Raghunathan Ramakrishnan,* Kaustubh R. Mote,* Carola Schulzke,* Cem Burak Yildiz* and Anukul Jana*



6702

Solubilization of elemental sulfur by surfactants promotes reduction to H_2S by thiols

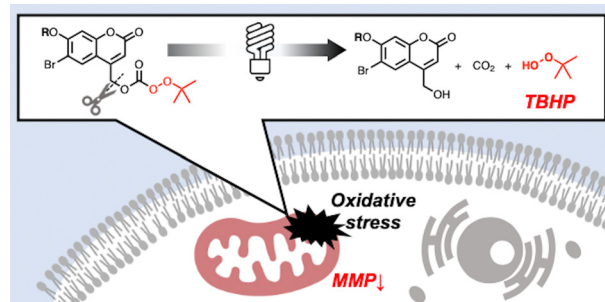
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Synthesis and photochemical properties of caged peroxides for photocontrol of cellular oxidative stress

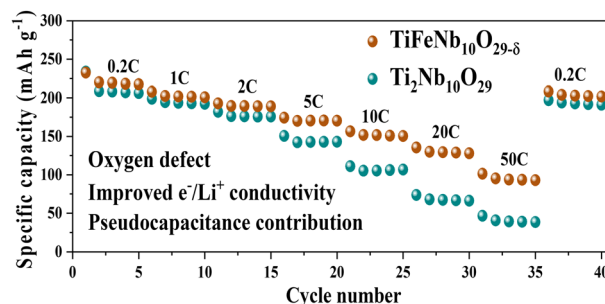
Mieko Tsuji,* Haruno Taira, Taro Udagawa, Tatsuya Aoki, Tasuku Hirayama and Hideko Nagasawa*



6710

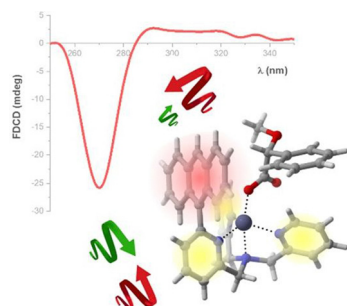
TiFeNb₁₀O_{29-δ} anode for high-power and durable lithium-ion batteries

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



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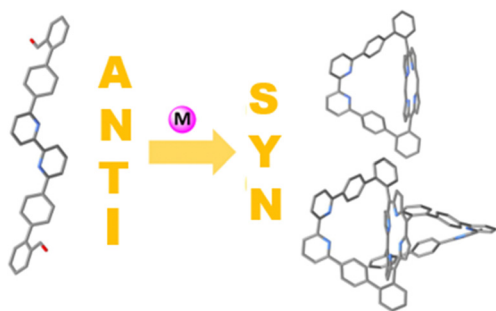
6714



Fluorescence detected circular dichroism (FD CD) of a stereodynamic probe

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

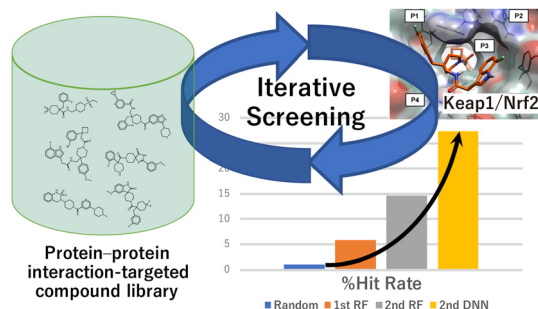
6718



Remote template effect in the synthesis of bipyridine-strapped porphyrins

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

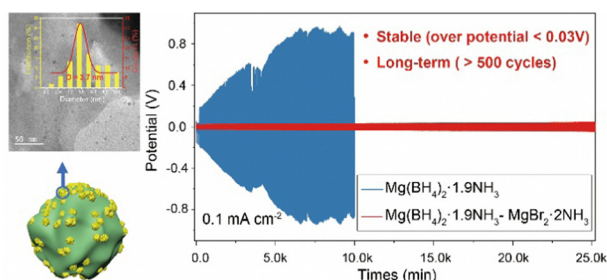
6722



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*

6726



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*



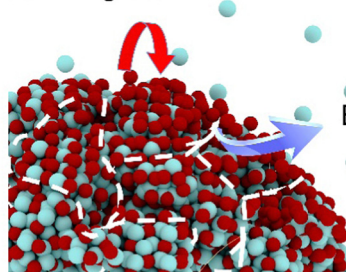
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6730

Dealloying of Pt_1Bi_2 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

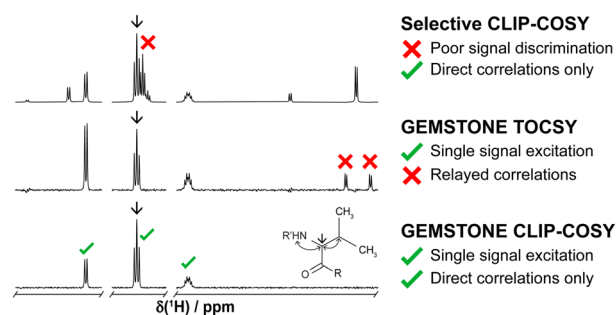


Bi atom dissolution

6734

Ultra-selective 1D clean in-phase correlation spectroscopy

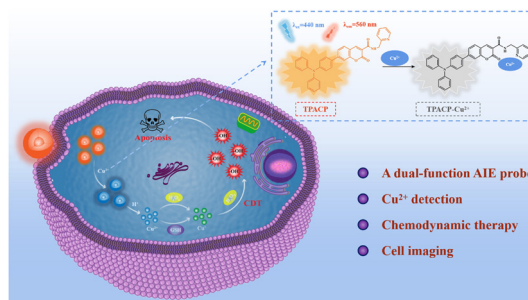
Daniel A. Taylor, Peter Kiraly, Paul Bowyer, Mathias Nilsson, Laura Castañar, Gareth A. Morris and Ralph W. Adams*



6738

A dual-function probe with aggregation-induced emission feature for Cu^{2+} detection and chemodynamic therapy

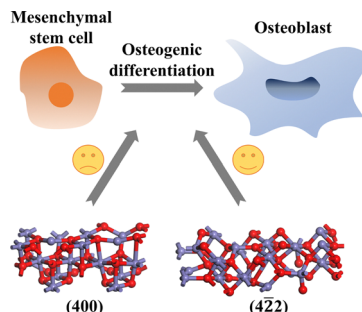
Juan Fu, Xin Hu, Teng Guo, Weifeng Zhu, Jianwen Tian, Meiyong Liu,* Xiaoyong Zhang* and Yen Wei*



6742

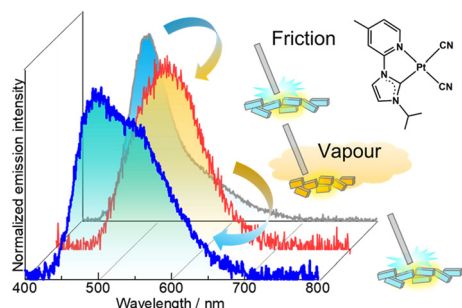
Facet-dependence of Fe_3O_4 for enhancing osteogenic differentiation of BMSCs

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



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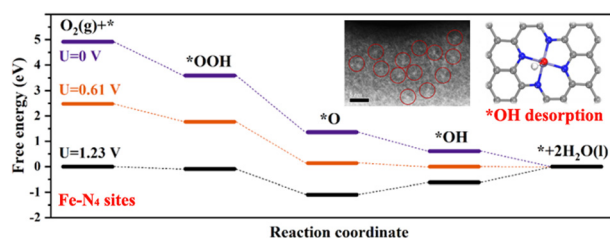
6745



Chromic triboluminescence of self-assembled platinum(II) complexes

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

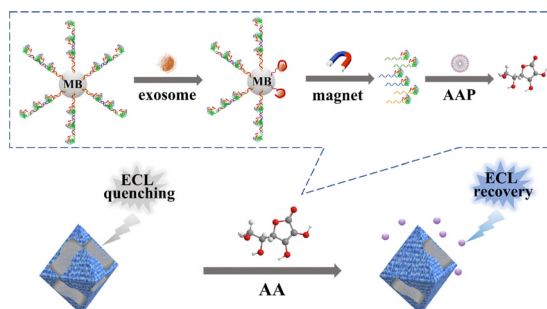
6749



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*

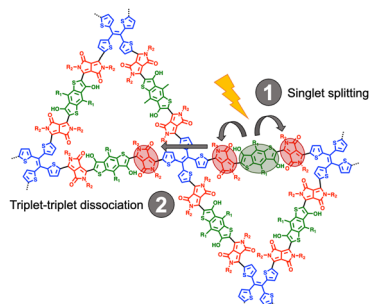
6753



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

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6757



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

Maria Fumanal

