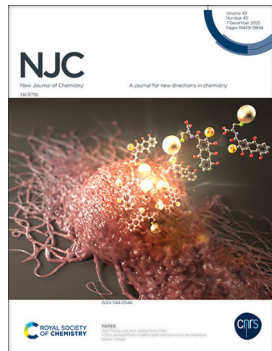


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Cover

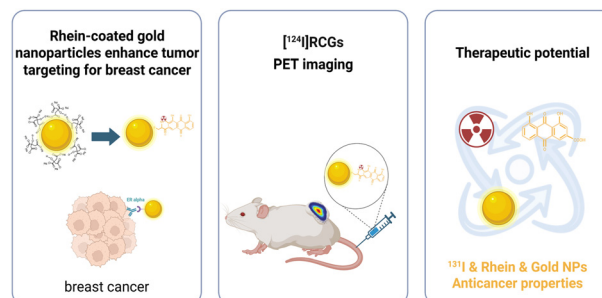
See Jun Young Lee and Jeong Hoon Park, pp. 19472–19478. Image reproduced by permission of Jeong Hoon Park from *New J. Chem.*, 2025, 49, 19472.

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19472

I-124 Labeled Rhein-coated gold nanoparticles for targeted breast cancer

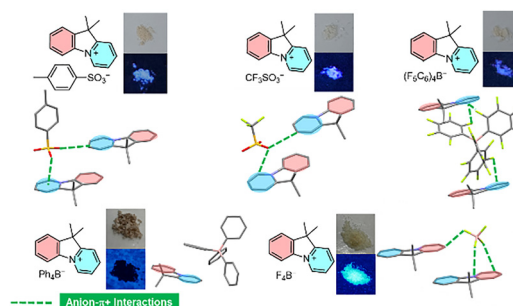
Jun Young Lee and Jeong Hoon Park*



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Counteranion-controlled aggregation-induced emission in 10H-pyrido[1,2-a]-5-indolium salts: structure–property relationships and anion– π^+ interactions

Shota Mizuno, Haruka Suzuki, Kunihiro Kato, Yasuhiro Kubota, Toshiyasu Inuzuka, Takayuki Ban and Kazumasa Funabiki*



RSC Applied Polymers

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both natural and synthetic

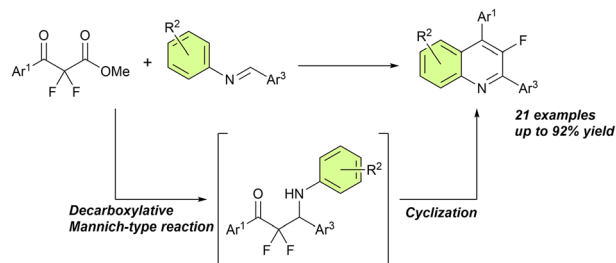
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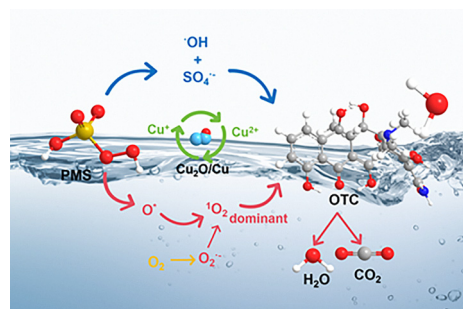
Fundamental questions
Elemental answers

Yohei Yasuno, Atsushi Tarui, Shoki Hoshikawa,
Yukiko Karuo, Kazuyuki Sato,* Kentaro Kawai and
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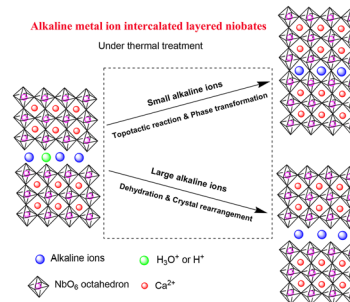
Unveiling reaction mechanisms of copper-based catalysts for peroxymonosulfate activation in Fenton-like reactions for sustainable water decontamination

Peitong Cen, Chenxi Li, Siqin Lu, Zhuoran Yi,
Jiaqian Zhang, Ziyin Xia, Hui Sun, Meng Li* and
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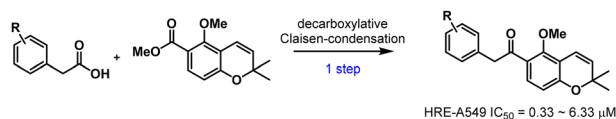
Structural evolution of alkali-metal-ion intercalated layered niobates under thermal treatment

Kai Zhu, Xiaosong Bai, Lianghua Yang, Mingxuan Hao,
Huiyu Yuan,* Junyan Cui and Daoyuan Yang



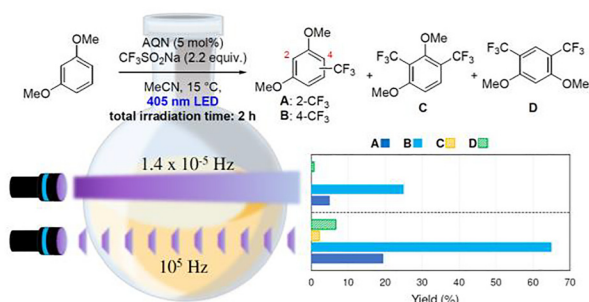
Expedited access to novel hypoxia-inducible factor 1 α (HIF-1 α) inhibitory benzyl aryl ketones via a decarboxylative Claisen condensation or tandem decarboxylative Claisen condensation–alkylation

Seungbeom Lee, Mi Jeong Heo, Eunseo Kim,
Jung Min Lee, Sang Geon Kim, Iljin Kim, Young-Ger Suh
and Hongchan An*



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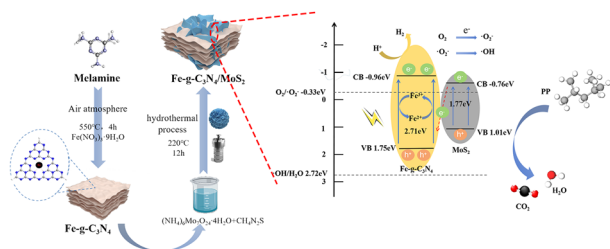
19523



Pulsed-light-induced photochemical reactions: a case study on trifluoromethylation reactions of 1,3-dimethoxybenzene

Mayaka Maeno,* Toshifumi Nishida, Morihiro Kitamura and Katsuyuki Morii*

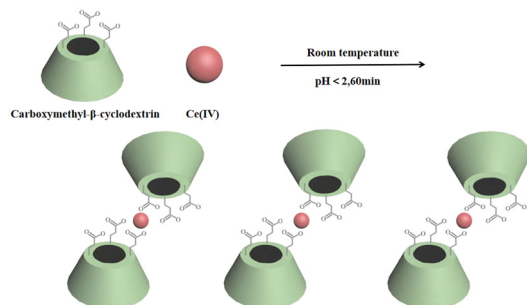
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Construction of an S-type Fe-doped g-C₃N₄/MoS₂ heterojunction for enhanced charge separation and dual photocatalytic activities

Haiyan Qian, Wenbin Qu, Lixin Song and Pingfan Du*

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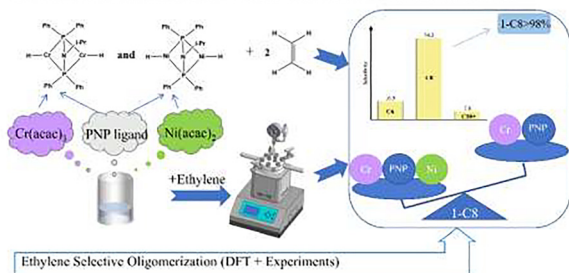


Preparation of novel cerium(IV)-crosslinked carboxymethyl-β-cyclodextrin for efficient adsorption of the tetracycline antibiotic

Lin Li, Shikai Xue, Xin Li, Linqi Liu, Haiyan Wang, Qiujun Lu, Guoxing Yin, Ningli Tang* and Fuyou Du*

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Mechanism of Bimetallic Synergistic Reaction: Reaction Mechanism of Bimetallic Centers



Bimetallic Cr–Ni–PNP catalysts for enhanced high-selectivity ethylene oligomerization: design, optimization, and DFT insights

Yiheng Cui, Tingting Ge,* Kailin Han, Yanxia Zheng, Haoifei Huang, Cuncun Zuo,* Ming Wang and Guangjun Cui

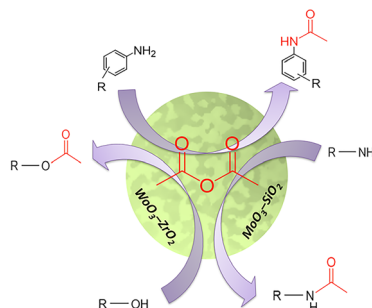


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Acetylation of anilines, amines, and alcohols using 5%MoO₃–SiO₂ and 5%WO₃–ZrO₂ as mesoporous acid catalysts

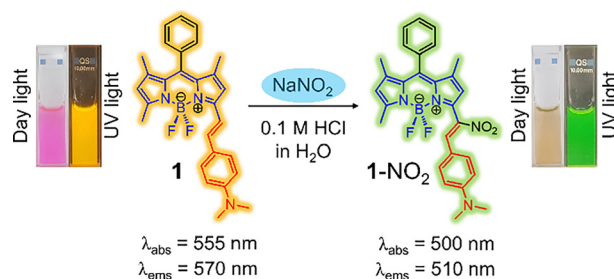
Nomathamsanqa Prudence Maqunga,
Matumuene Joe Ndolomingo,
Ndzondelelo Bingwa and Reinout Meijboom*



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A nitration reaction-based ratiometric chromo-fluorogenic BODIPY probe for nitrite (NO₂[−]) detection in water

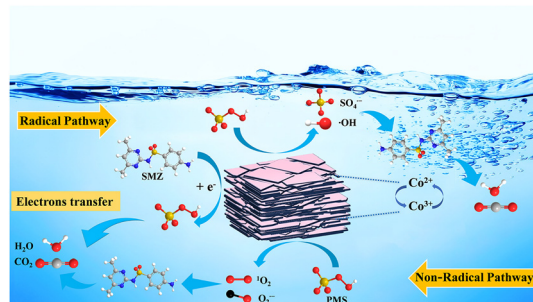
M. Deniz Yilmaz*



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Fabrication of Co(OH)F catalyst for efficient peroxymonosulfate activation in sulfamethazine degradation

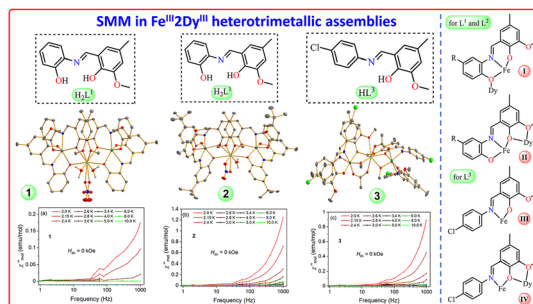
Chengli Zhang, Yonglei Xing,* Xiaoyong Jin, Yage Peng
and Gang Ni*



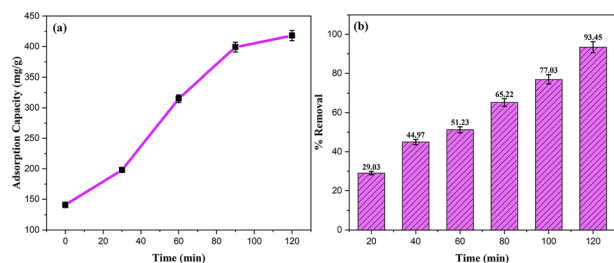
19605

Exploring magnetic anisotropy and exchange coupling in Fe^{III}₂Dy^{III} heterotrimetallic assemblies displaying slow relaxation of magnetization

Anangamohan Panja,* Zvonko Jagličić,
Narayan Ch. Jana, Scarlett Contesso,
Paula Brandão and Daniel Aravena



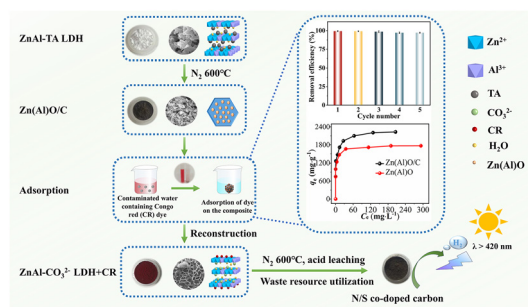
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Tragacanth gum-based Cr-doped MnO₂/clay nanocomposite: a dual adsorbent for reactive yellow dye and CO₂

Muhammad Saqib Elahi, Muhammad Babar Taj,* Merfat M. Alsabbab, Amani Al Solami, Dina Hajjar, Arwa A. Makki, Muhammad Imran Khan* and Abdallah Shanableh

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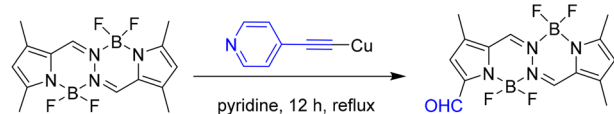
Facile synthesis of Zn(Al)O/C for effective adsorption of organic dye and waste resource utilization

Xiaodi Guo, Yan Yang, Huibo Yang, Xiaoxia Liu, Xin Wu, Xing Gao, Xiaojing Chen, Ke Wang and Qiang Zhang*

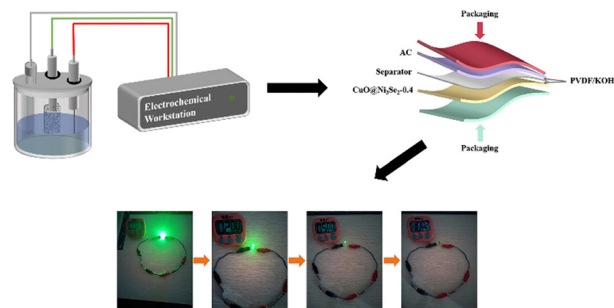
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Unexpected formation of α -formylated BOPHY in the reaction with copper salts

Dijo Prasannan and Victor N. Nemykin*



19656



Ni₃Se₂ thin films deposited on CuO nanomaterials as electrode materials for supercapacitors

Dan Cheng, Zihan Liu, Bo Liu, Maryum Ali, Lecheng Tian* and Zhicai Xing*

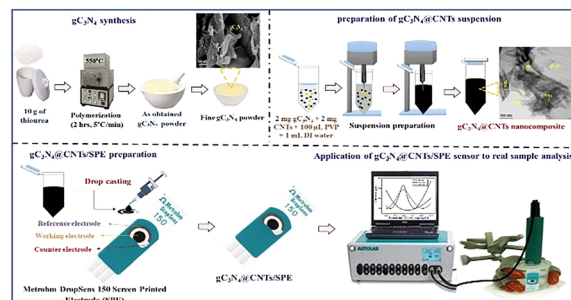


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Graphitic carbon nitride supported pristine carbon nanotubes for highly sensitive and selective electroanalysis of vitamin C in pharmaceutical and fruit samples

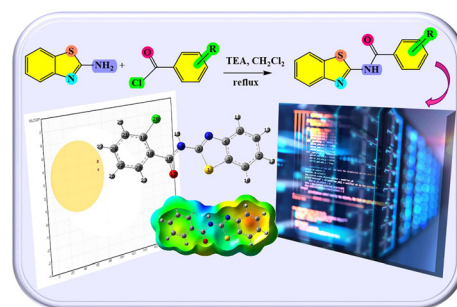
A. G. Kamaha Tchekep, S. B. Ramamani Muneeswari, J. Deepika, V. Suryanarayanan and Deepak K. Pattanayak*



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N-(Benzo[d]thiazol-2-yl)benzamide and its chlorinated isomers: synthesis, NMR, FT-IR, UV-visible, BSA- and DNA-binding, DFT, molecular docking, and pharmacokinetic profiles

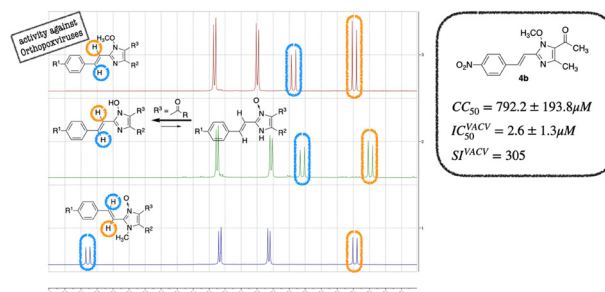
Goncagül Serdaroğlu,* Nesimi Uludag and Elvan Üstün



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Synthesis, structure investigation and evaluation of anti-orthopoxvirus activities of 2-(2-arylethenyl)imidazoles

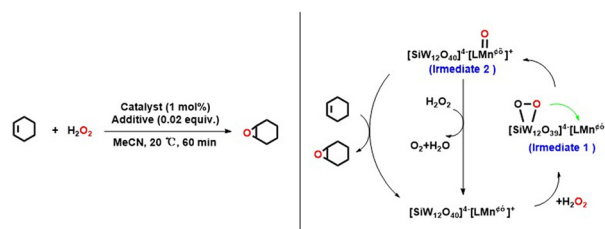
Vladislav O. Golfarb-Abramov, Anastasia V. Kazennova, Elizaveta I. Basanova, Olga A. Serova, Nikolai I. Bormotov, Larisa N. Shishkina, Vyacheslav I. Krasnov, Dmitriy N. Polovyanenko, Ivan A. Moskalev, Alexey Yu. Fedorov, Sergey G. Arkhipov, Margarita G. Ilyina, Sophia S. Borisevich, Olga I. Yarovaya and Polina A. Nikitina*



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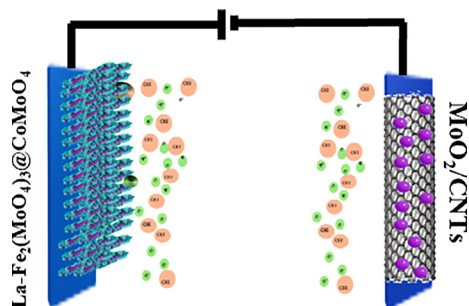
Olefin epoxidation reaction promoted by internal oxygen transfer: research on the oxygen transfer mechanism based on the Mn(Salen)-POM system

Yanhua Ma, Jialu Wang, Xiangli Li and Yongfeng Qiao*



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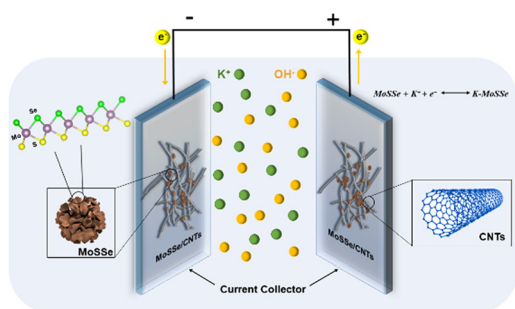
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Preparation and supercapacitor performance of La-doped $\text{Fe}_2(\text{MoO}_4)_3@ \text{CoMoO}_4$ core-shell structure

Xinjia Zhang, Jingmin Ma, Jian Hao, Tenghao Ma, Jing Wang* and Shimiao Peng

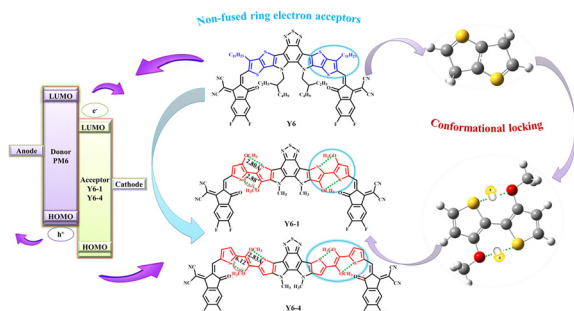
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Synthesis of 3D cross-linked MoSSe/CNTs electrode materials for high-stability symmetrical supercapacitors

Jiao Liu,* Bo Gao, Duqiang Xin, Min Ren, Zhipeng Zhu and Yue Zhang

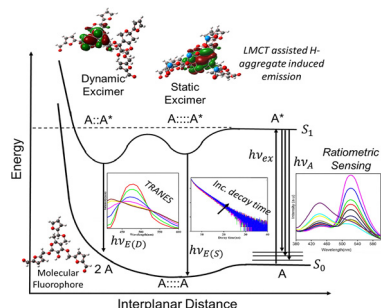
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Theoretical study on the design of Y6 non-fused ring derivatives via non-covalent conformational locks

Suling Wan, Dongmei Wang,* Shumei Dou, Wenying Du, Yueling Wang and Chenxiang Ma

19763



H-aggregation induced dual emissive carbon nanoparticles for ratiometric detection of uranyl ions through dynamic to static excimer formation

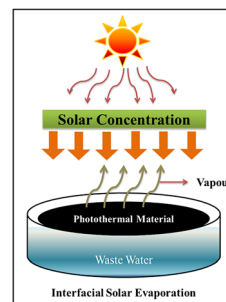
Md. Abdus Salam Shaik, Dipanjan Samanta, Manisha Shaw, Ankit Kumar Sharma, Sayan Prodhan, Imran Mondal, Rajarshi Basu, Angana Bhattacharya, Shumaila Masood, Prasanta Kumar Datta and Amita Pathak*



19778

Localized solar photothermal heating *via* plasmonic interfaces for high-efficiency water evaporation

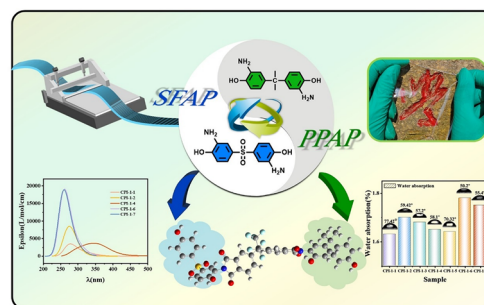
Anita Padasalagi,* Malatesh S. Pujar and M. K. Rabinal



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Investigating the properties of sulfone-containing transparent polyimide films through the combination of experimental and computational approaches

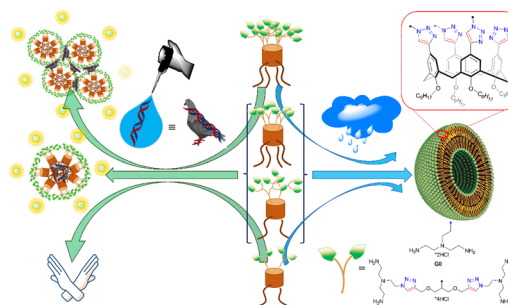
Qianqian Zhao, Zhongchen Yang, Wengang Cai, Xiuze Hou, Xiao Song, Jinhu Yuan, Weiqian Ma, Xuyang Yuan, Xiaoling Niu and Shengbo Zhu*



19799

Amphiphilic CuAAC dendrimers based on a Calix[4]arene core with a poly-amine periphery: synthesis, aggregation and CT DNA complexation

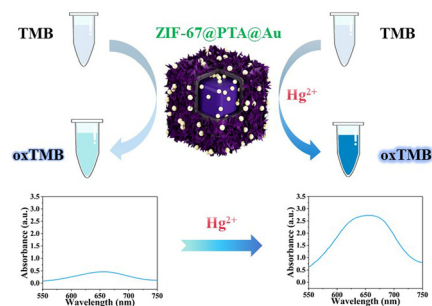
Eugeny A. Ocherednyuk, Elza D. Sultanova, Alsu M. Gazalieva, Polina A. Artemieva, Egor O. Chibirev, Timur A. Mukhametzyanov, Svetlana E. Solovieva, Vladimir A. Burilov* and Igor S. Antipin



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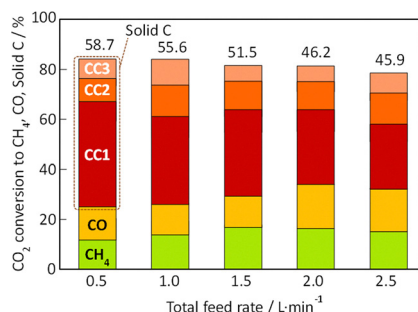
Sensitive colorimetric detection of mercury ions using Au nanoparticle-anchored yolk-shell ZIF-67 nanocubes

Xuhan Ge, Liwei Jiang, Wenjing Lu, Wei Zhang, Danhua Ge* and Xiaojun Chen*



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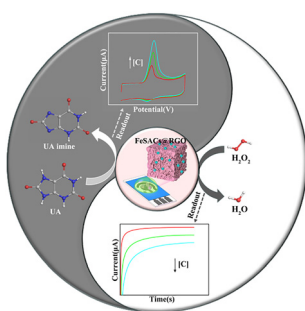
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Enhancing CO₂-to-solid-carbon conversion *via* flow optimization and water removal in a coupled methanation–reforming reactor

Ryo Watanabe,* Yu Nakazawa, Yuki Yamada, Yoshiumi Kohno, Hiroshi Akama and Choji Fukuhara*

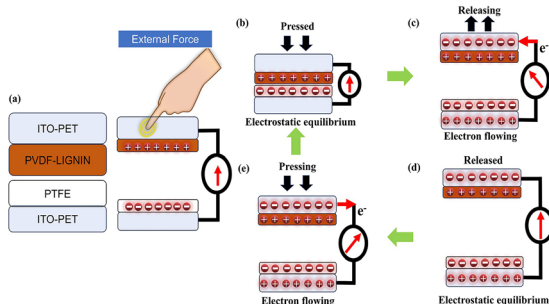
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Fe single-atom catalysts embedded in reduced graphene oxide for the electrochemical detection of uric acid and hydrogen peroxide

Jinxin Zuo, Xiaolong Chen, Chaowang Huang, Meina Guo, Qiao Hu, Jing Zhang, Mingdong Hu* and Peng Zhao*

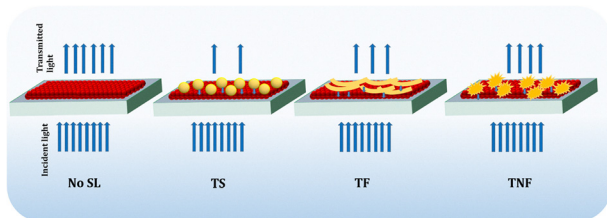
19843



Hardwood-derived lignin as a tribo-positive filler in electrospun PVDF nanofibers for efficient triboelectric energy harvesting

Deepak Jyoti Deuri, Jiwajyoti Mahanta, Bipasha Saikia, Bikash Kumar Das, Brajendra K. Sharma, Jaemin Kim and Parikshit Gogoi*

19855



Photon management through titania architecture engineering in organic dye–Cu electrolyte dye sensitized solar cells

V. P. Aneesha, M. Manikandan, K. I. Suresh, Suraj Soman* and P. Sujatha Devi*

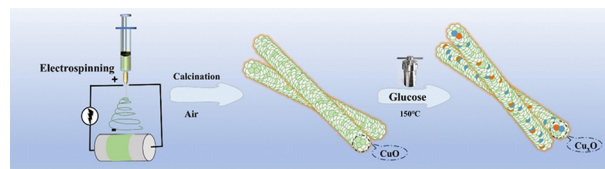


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***In situ* valence engineering of Cu-species on SrTiO₃ nanofibers for efficient photocatalytic reduction of CO₂ to CH₃OH**

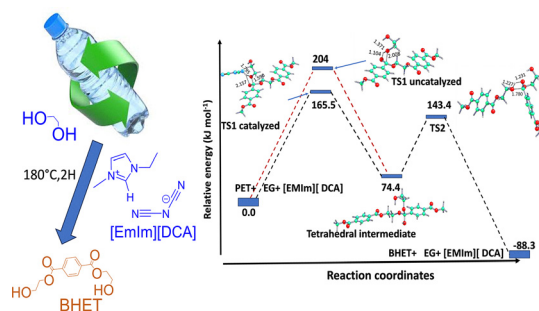
Lijun Xue,* Jie Zhang, Chenhui Qiu, Hui Wan* and Guofeng Guan



19879

Insights into 1-ethyl 3-methyl imidazolium dicyanamide-catalysed glycolysis of polyethylene terephthalate

Deepthi Thomas, K. P. Vijayalakshmi, Cherumuttathu H. Suresh and Benny Kattikanal George*



CORRECTION

19892

Correction: Reinforcement of the thermal stability and mechanical properties of low-density polyethylene/high-density polyethylene foam using a modified calcium sulfate whisker

Jie Xu, Jinfu Zhong, Dongliang Fu, Guangfu Li and Xiangdong Liu*

