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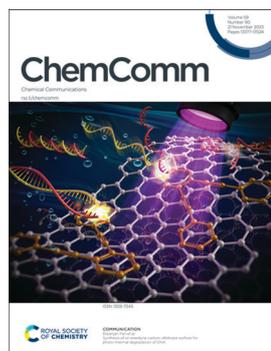
Chemical Communications

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See Martin D. Peeks *et al.*, pp. 13438–13441. Image reproduced by permission of Alan Z. Chen from *Chem. Commun.*, 2023, 59, 13438.

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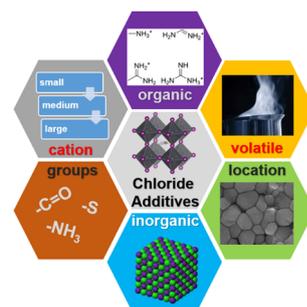


HIGHLIGHT

13394

Advances in chloride additives for high-efficiency perovskite solar cells: multiple points of view

Xue Liu, Yanru Guo, Yu Cheng, Shirong Lu, Ru Li* and Jiangzhao Chen*



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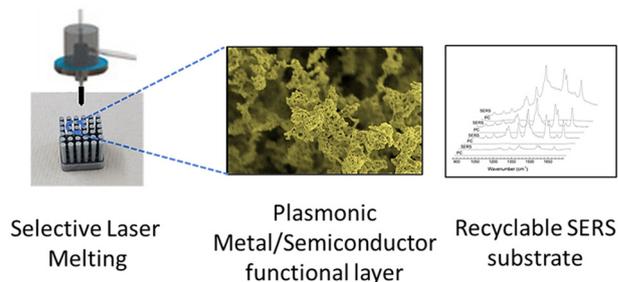


FEATURE ARTICLES

13406

Surface functionalized 3D printed metal structures as next generation recyclable SERS substrates

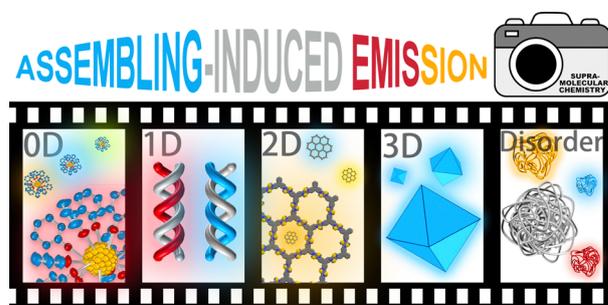
Uzma Malik, Roxanne Hubesch, Paramita Koley, Maciej Mazur, Sunil Mehla, Sai Kishore Butti, Milan Brandt, P. R. Selvakannan* and Suresh Bhargava*



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A supramolecular assembly strategy towards organic luminescent materials

Chenjia Yin, Zi-Ang Yan and Xiang Ma*

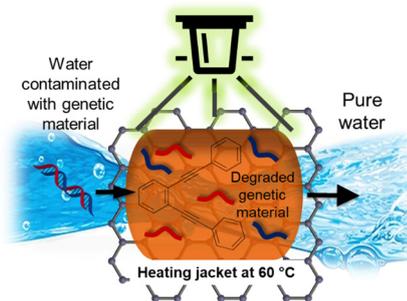


COMMUNICATIONS

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Synthesis of an enediynes carbon-allotrope surface for photo-thermal degradation of DNA

Santosh K. Misra, Mao Ye, Parikshit Moitra, Ketan Dighe, Abhinav Sharma, Enrique A. Daza, Aaron S. Schwartz-Duval, Fatemeh Ostadhossein and Dipanjan Pan*



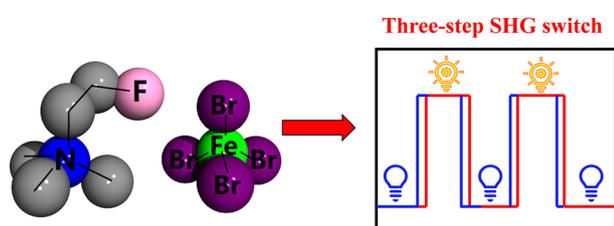
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Electronic delocalization in charged macrocycles is associated with global aromaticity

David Bradley, Bethany K. Hillier and Martin D. Peeks*



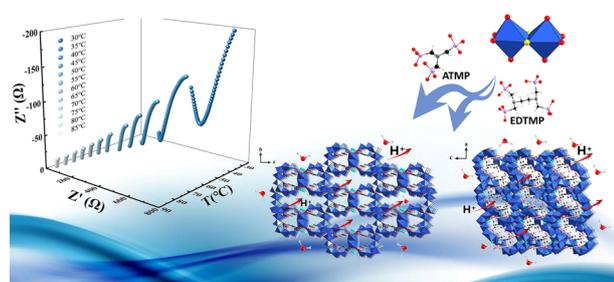
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An organic–inorganic hybrid material $[\text{Me}_3\text{NCH}_2\text{CH}_2\text{F}]\text{FeBr}_4$ exhibits three-step SHG on/off

Haina Zhang, Lingyu Wang, Wenjing Guo, Hu Cai* and Zhenhong Wei*

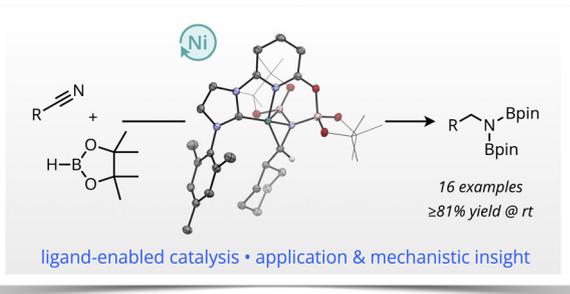
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The assembly of $[\text{Mo}_2\text{O}_2\text{S}_2]^{2+}$ based on polydentate phosphonate templates and their proton conductivity

Bo Li, Yu-Xi Meng, Qian-Qian Liu, Xin-Yu Chen, Xin Liu and Hong-Ying Zang*

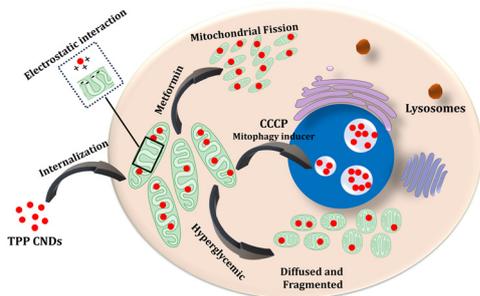
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Secondary-sphere preorganization enables nickel-catalyzed nitrile hydroboration

Medina Afandiyeva, Xijue Wu, William W. Brennessel, Abhishek A. Kadam and C. Rose Kennedy*

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Tracking the super resolved structure of mitochondria using red emissive carbon nanodots as a fluorescent biomarker

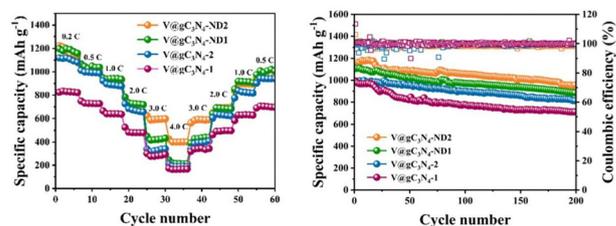
Richa Garg, Farhan Anjum, Abdul Salam, Kush Kaushik, Shagun Sharma, Udisha Sahrawat, Aditya Yadav and Chayan Kanti Nandi*



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Vanadium-doped graphitic carbon nitride for high performance lithium–sulfur batteries

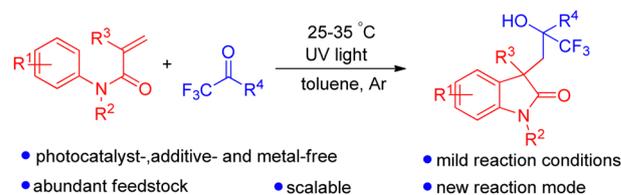
Yankang Wang, Yanbo Wang, Chunhong Huang, Qiang Zhang, Zhanghaoran Liu and Fengxiang Zhang*



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Catalyst- and additive-free cascade radical addition/cyclization of *N*-arylacrylamides with trifluoropyruvates

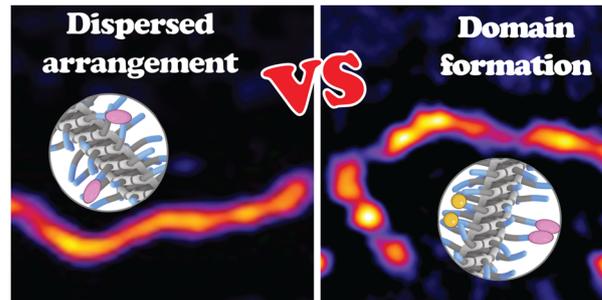
Yongbo Tan and Huawen Huang*



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Impact of subtle intermolecular interactions on the structure and dynamics of multicomponent supramolecular polymers

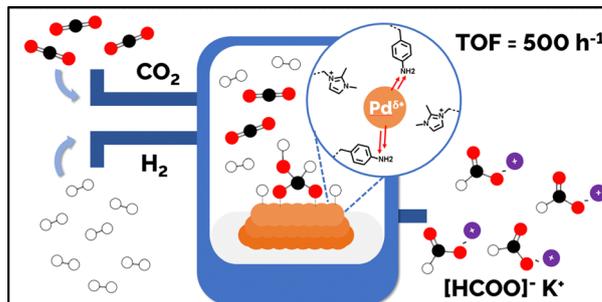
Job N. S. Hanssen and Shikha Dhiman*



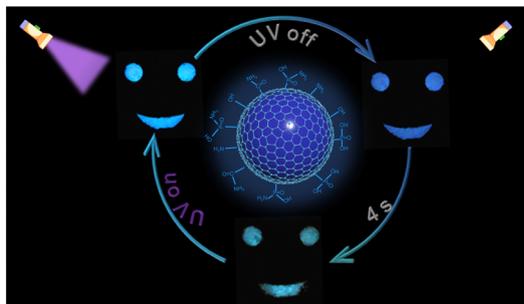
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Amine-modified polyionic liquid supports enhance the efficacy of PdNPs for the catalytic hydrogenation of CO₂ to formate

Reece Paterson, Luke E. Fahy, Elisabetta Arca,* Casey Dixon, Corinne Y. Wills, Han Yan, Anthony Griffiths, Sean M. Collins, Kejun Wu, Richard A. Bourne, Thomas W. Chamberlain,* Julian G. Knight and Simon Doherty*



13474



High-efficiency NP-carbon dots above 60% with both delayed fluorescence and room-temperature phosphorescence

Bin Xu, Qun Hao, Xin Tang and Menglu Chen*

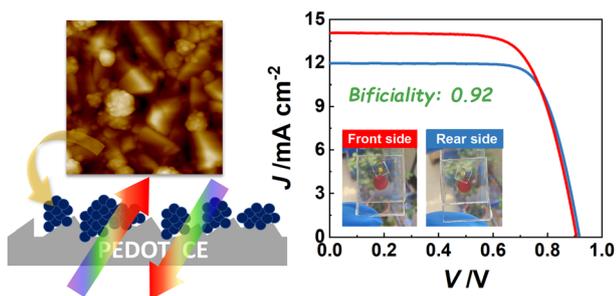
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High-entropy oxides as photocatalysts for organic conversion

Mingjin Li, Shuxing Mei, Yong Zheng,* Long Wang* and Liqun Ye*

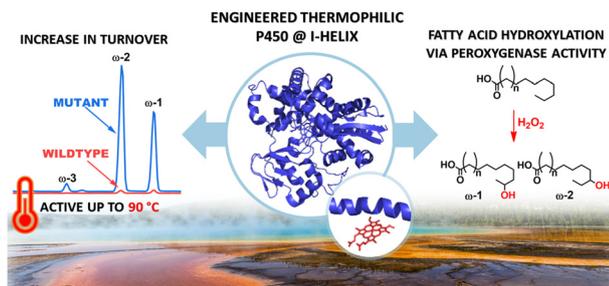
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Transparent PEDOT counter electrodes for bifacial dye-sensitized solar cells using a cobalt complex mediator

Yiming Li, Jing Wang, Hao Wang, Zhichao Di, Mingyan Liu, Xueping Zong, Chunsheng Li, Yan Sun, Mao Liang and Zhe Sun*

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Efficient biocatalytic C–H bond oxidation: an engineered heme-thiolate peroxxygenase from a thermostable cytochrome P450

Alecia R. Gee, Isabella S. J. Stone, Tegan P. Stockdale, Tara L. Pukala, James J. De Voss and Stephen G. Bell*

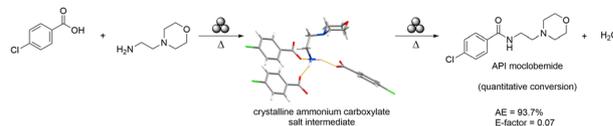


COMMUNICATIONS

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Supramolecular intermediates in thermo-mechanochemical direct amidations

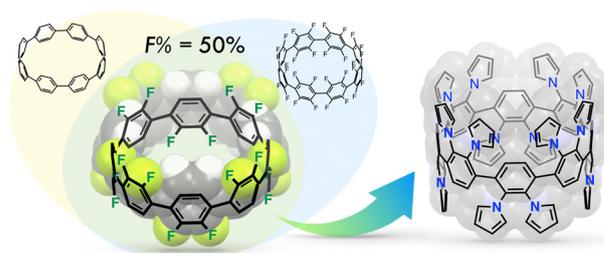
Tomislav Stolar,* Jasna Alić, Gregor Talajić, Nikola Cindro, Mirta Rubčić, Krešimir Molčanov, Krunoslav Užarević* and José G. Hernández*



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Half-substituted fluorocycloparaphenylenes with high symmetry: synthesis, properties and derivatization to densely substituted carbon nanorings

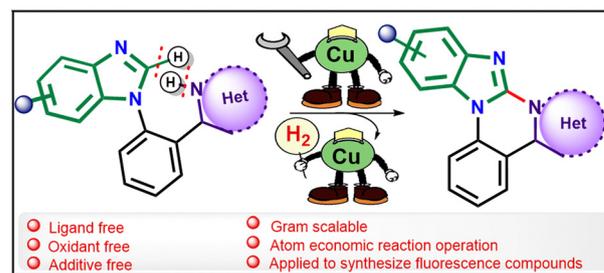
Hiroki Shudo, Motonobu Kuwayama, Yasutomo Segawa, Akiko Yagi and Kenichiro Itami*



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Synthesis of benzimidazole fused poly-heterocycles via oxidant free Cu-catalyzed dehydrogenative C–N coupling and photophysical studies

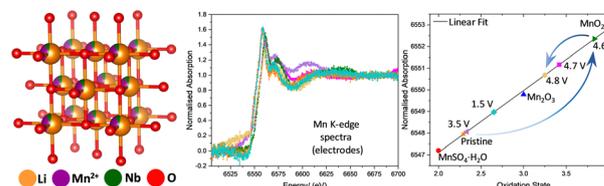
Sakshi Singh and Shantanu Pat*



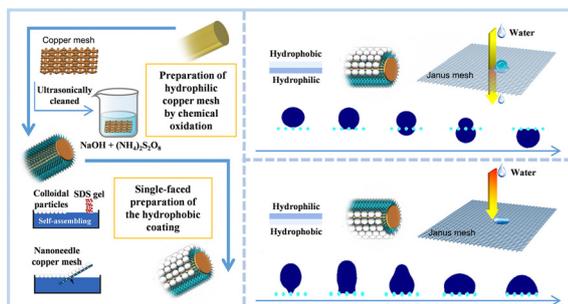
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Synthesis of $\text{Li}_{1.20}\text{Mn}_{0.43}^{2+}\text{Nb}_{0.39}\text{O}_2$ disordered rock-salt under reducing conditions for Li-ion batteries

Wilgner Lima da Silva, Ashok S. Menon, Martin R. Lees, Reza J. Kashtiban, Marc Walker, Louis F. J. Piper, Emma Kendrick* and Richard I. Walton*



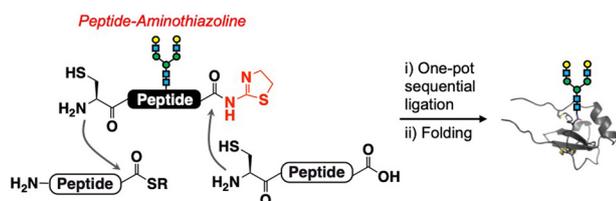
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Preparation of a Janus copper mesh via nanoparticle interface self-assembly for unidirectional water transportation

Chaolang Chen, Linfeng Zhu, Ruisong Jiang* and Xuan Li*

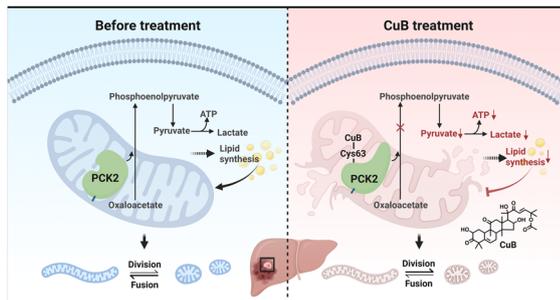
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Convergent synthesis of proteins using peptide-aminothiazoline

Ryo Okamoto,* Hiroyuki Shibata, Takahiro Yatsuzuka, Takuya Hanao, Yuta Maki, Kazuya Kabayama, Ayane Miura, Koichi Fukase and Yasuhiro Kajihara*

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Allosteric regulation of the lid domain of PCK2 as a novel strategy for modulating mitochondrial dynamics

Yang Liu, Ling Li, Zhuo Yang, Li-xi Liao, Xiao-jun Yao, Peng-fei Tu and Ke-wu Zeng*

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Pd(II)-Catalyzed atroposelective C–H olefination: synthesis of enantioenriched *N*-aryl peptide atropisomers

Tian-Yu Jiang, Yi-Ting Ke, Yong-Jie Wu, Qi-Jun Yao* and Bing-Feng Shi*

