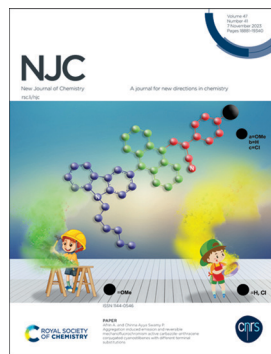


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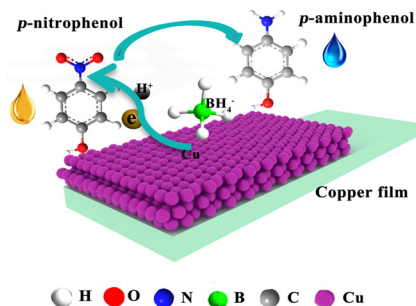
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Stable and efficient planar Cu/Cu₂O film catalysts

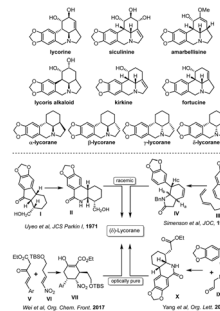
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Dipankar Koley*



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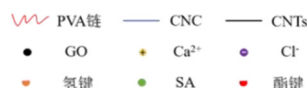
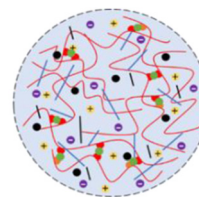


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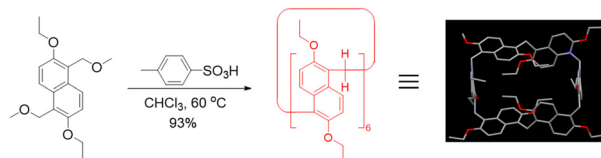
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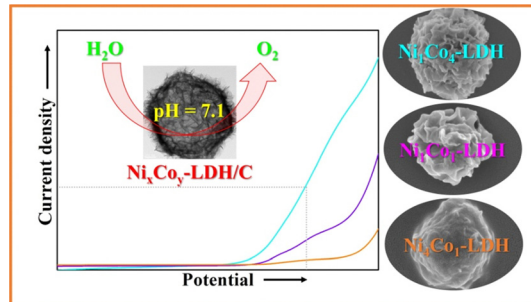
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A hollow cage-like layered double hydroxide-modified carbon paste electrode as an efficient catalyst for electrochemical water oxidation in neutral media

Li Yu,* Xiaocai Ma, Qin Liang and Yuqing Fan

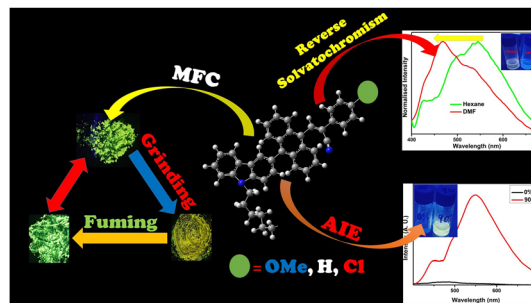


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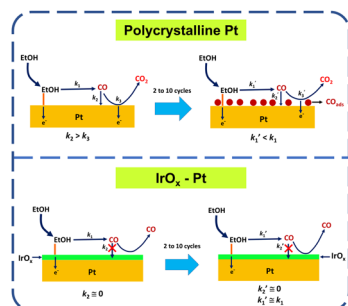
Aggregation induced emission and reversible mechanofluorochromism active carbazole–anthracene conjugated cyanostilbenes with different terminal substitutions

Afrin A. and Chinna Ayya Swamy P.*



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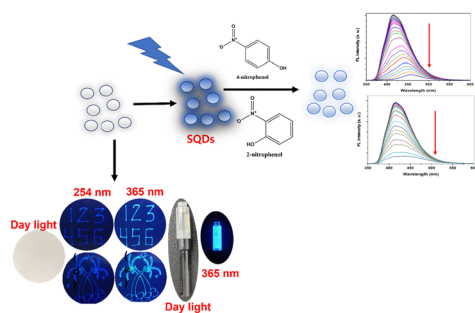
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Md. Fahamidul Islam, Jahir Ahmed, M. Faisal, Jari S Algethami, Kentaro Aoki, Yuki Nagao, Farid A. Harraz* and Mohammad A. Hasnat*

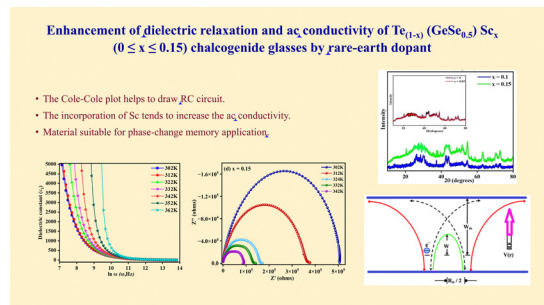
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Sai Kumar Tammina, Ruchir Priyadarshi and Jong-Wan Rhim*

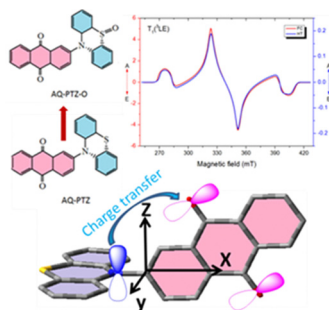
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Enhancement of dielectric relaxation and AC conductivity of Te_(1-x)(GeSe_{0.5})Sc_x (0 ≤ x ≤ 0.15) chalcogenide glasses by a rare-earth dopant

Surbhi Agarwal, Pooja Lohia and D. K. Dwivedi*

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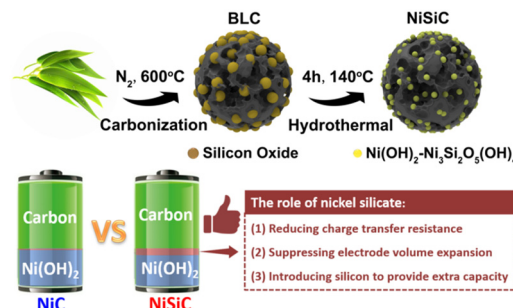


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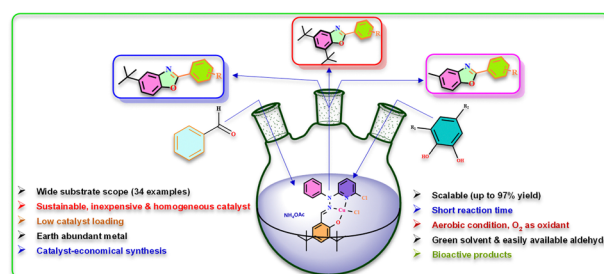
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Facile synthesis of benzoxazole derivatives by a multi-component reaction catalysed by copper complexes capable of generating phenoxy radical complex

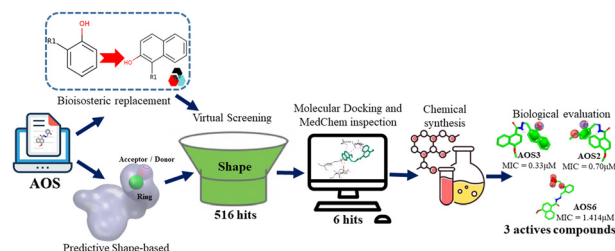
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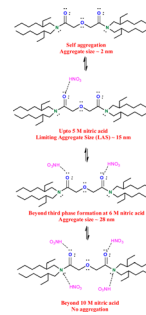
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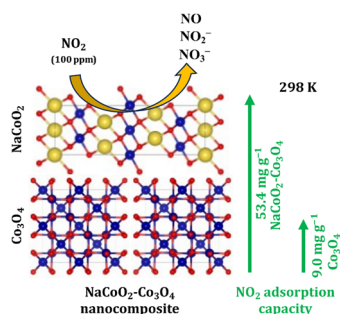
The fate of the organic phase beyond third phase formation

N. Parvathy, Satyabrata Mishra and K. A. Venkatesan*



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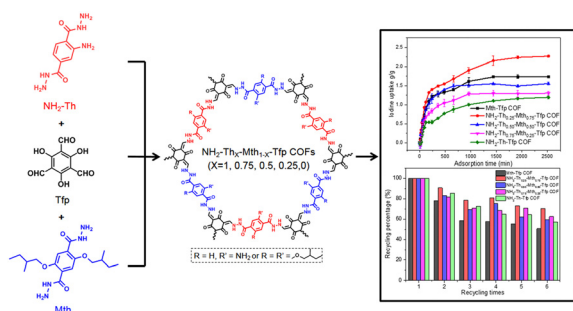
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Reactive adsorption of NO₂ over the NaCoO₂-Co₃O₄ nanocomposite: experimental study and first-principles calculations

Nishesh Kumar Gupta,* Kaptan Rajput, Bijal R. Mehta, Herlys Viltres, Debesh R. Roy and Kwang Soo Kim*

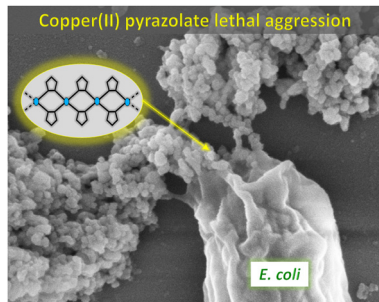
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Regulating the iodine adsorption performances of two- and three-component β-ketoenamine-linked covalent organic frameworks through tuning the proportion of monomers

Yu-Yang Wen, Zhao-Yi Dong, Xi-Hao Tang, Wei-Guang Zhang, Song-Liang Cai* and Jun Fan*

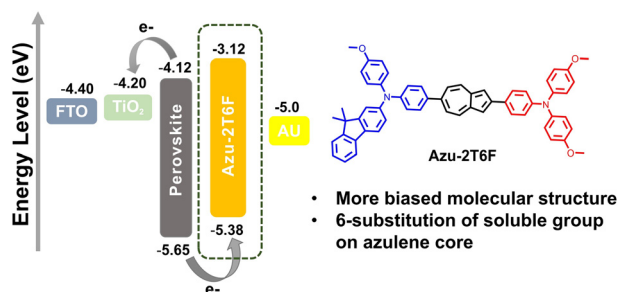
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Antibacterial activity of copper pyrazolate coordination polymers

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Peripheral substituent regulation of bias structured azulene-based hole transport materials for perovskite solar cells

Haoyu Li, Zhangyan Wang, Yuanqing Sun, Yangyang Su, Zhenxiao Zhao, Yi Tian,* Hongping Li* and Ming Cheng*

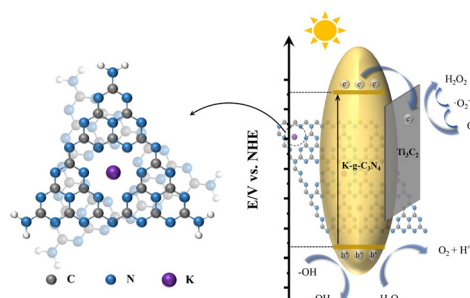


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K-doped g-C₃N₄ decorated with Ti₃C₂ for efficient photocatalytic H₂O₂ production

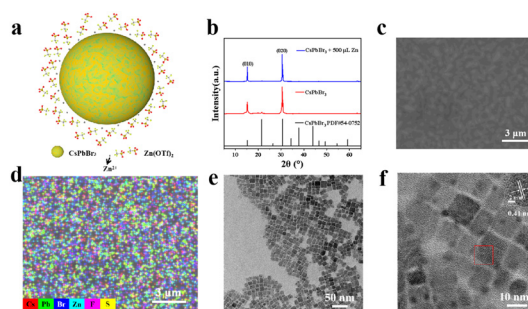
Suyu Zhou, Shaoli Cheng, Junhe Han* and Mingju Huang*



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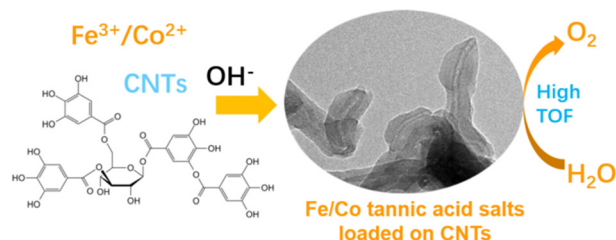
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Amorphous Fe/Co-based tannic acid salts as robust oxygen evolution pre-catalysts

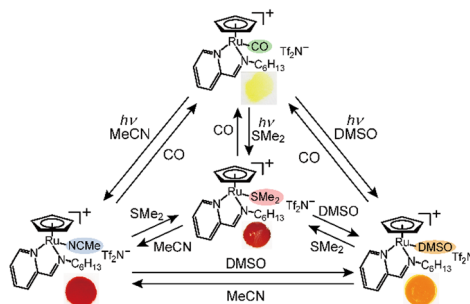
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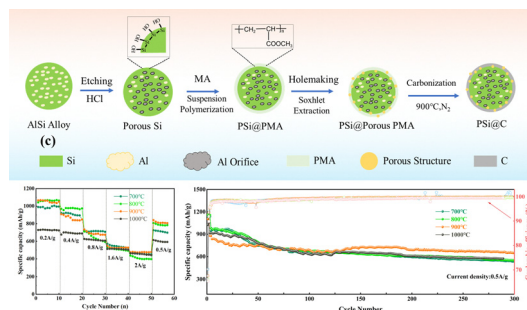
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Ionic liquids containing half-sandwich ruthenium complexes: *in situ* interconversions via photochemical and thermal ligand exchange

Tomoyuki Mochida,* Syou Maekawa and Ryo Sumitani



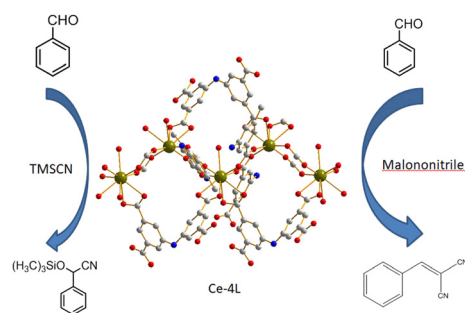
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Preparation of porous silicon composite anode material coated with open pore polymethyl acrylate and its electrochemical performance as a carbon source

Simin Liao, Xiang Shi, Yefei Xu, Mengyue Liu, Nengwen Ding,* Xiaocheng Li and Zhifeng Li

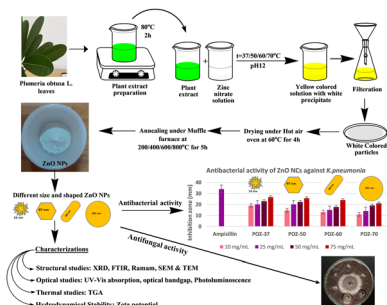
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A dual-functional 3D cerium MOF heterogeneous catalyst for catalysing Knoevenagel condensation and cyanosilylation

Peiran Zhao, Yuqian Liu, Cheng He and Chunying Duan*

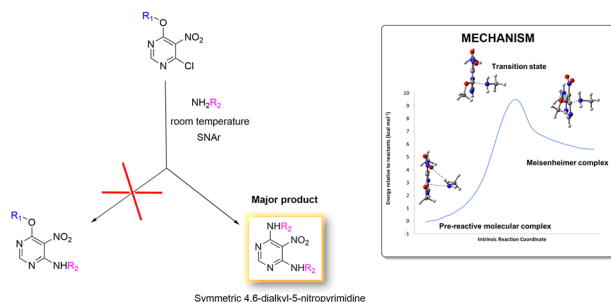
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The effect of reaction and annealing temperatures on physicochemical properties of highly stable ZnO nanoparticles synthesized via a green route using *Plumeria obtusa* L.

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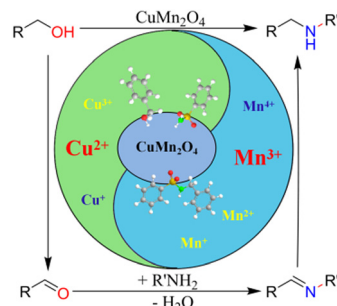


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N-Alkylation of substituted alcohols through self-supported mesoporous CuMn_2O_4

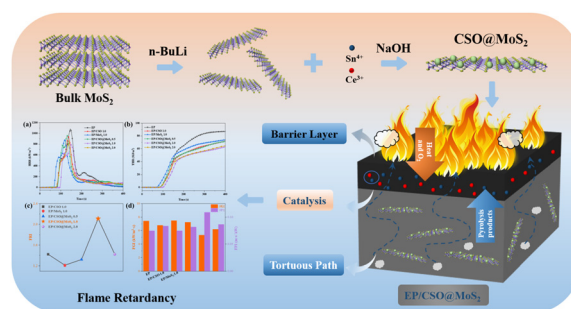
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Rationally designed rare earth elements functionalized MoS_2 nanosheets towards reducing fire hazards of epoxy resin

Changhao Wang, Kaili Gong,* Jianjian Luo, Lian Yin and Keqing Zhou*



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Structural diversity of three new Co(II) -based MOFs as a UV light-driven photocatalyst: photocatalytic performance

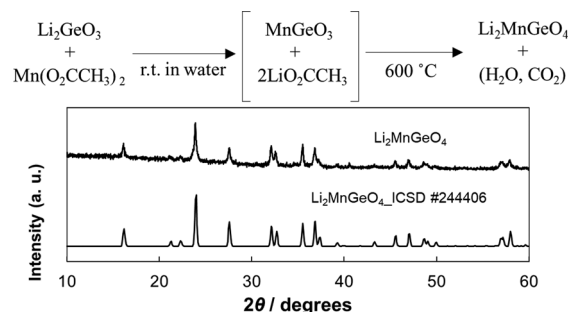
Mei-Hua Yan, Manaswini Ray, Jun Wang,* Lu Lu, Wei Zhang,* Mohd. Muddassir and Aurobinda Mohanty*



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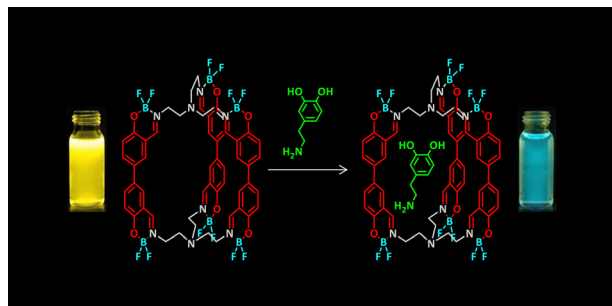
Aqueous synthesis of $\text{Li}_2\text{MnAO}_4/\text{C}$ ($\text{A} = \text{Si}, \text{Ge}$) as positive electrode active materials for lithium-ion batteries by acid–base reaction

Hiroshi Nagata,* Junji Akimoto and Kunimitsu Kataoka



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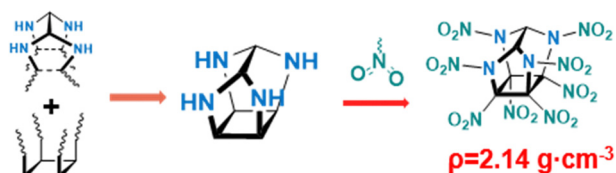
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Selective naked-eye detection of dopamine using an imino-boron molecular capsule

P. P. Praveen Kumar, Ashima Bajaj, Prodipta Samadder, Md. Ehesan Ali and Prakash P. Neelakandan*

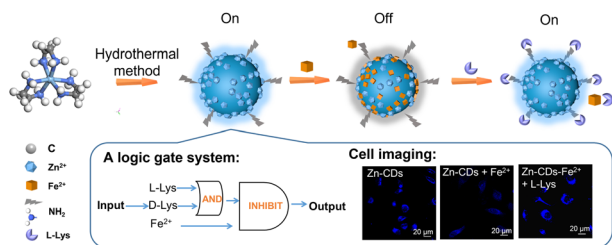
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Touching the density limits of energetic materials by molecular design

Yunlu Li,* Xinzhong Wang and Mei Xue*

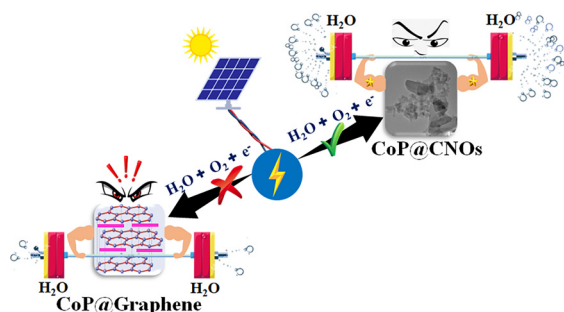
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Sequential on-off-on detection of Fe²⁺ and enantiomeric L-lysine with logic gate operation based on fluorescent carbon dots derived from a zinc-amine complex

Xinlei Zhang, Peng Liu, Yuchi Zhang, Bohan Li and Yan Xu*

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Ultrathin cobalt phosphate enfolded with biomass-derived multishelled carbon onion as a proficient electrocatalyst for the oxygen evolution reaction and its green sustainability assessments

Sundarraj Sriram, Bakthavachalam Vishnu and Jayaraman Jayabharathi*

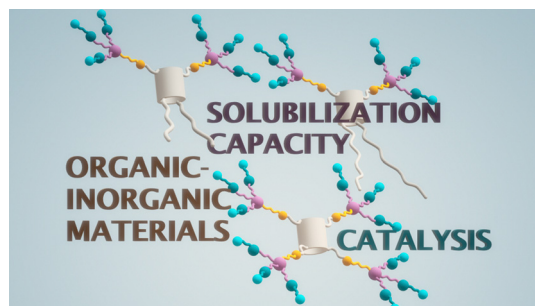


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Gallic acid-based dendrimers with a thiacalix[4]arene core: synthesis, aggregation and use for stabilization of Pd nanoparticles

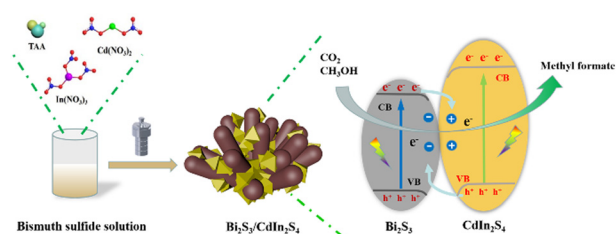
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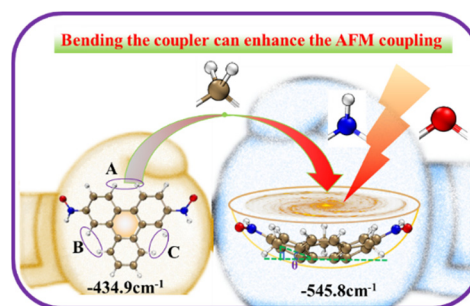
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Conjugated coupler curvature enhances magnetic spin coupling in π -diradicals

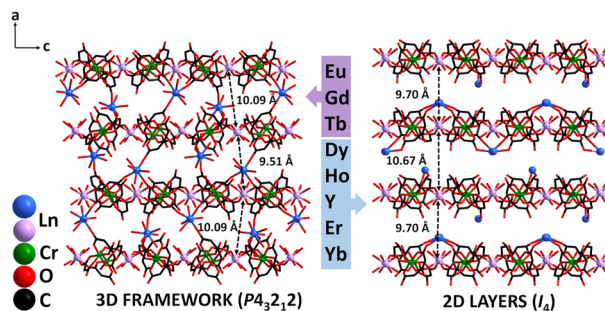
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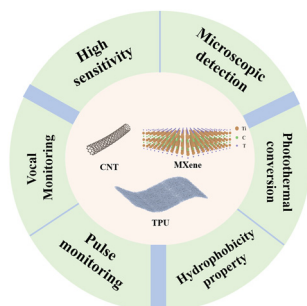
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Synthesis, structural features, magnetic properties and thermal decomposition of a new series of polymeric $\text{Ln(III)}-\text{Cr(III)}$ cyclopropane-1,1-dicarboxylates

Evgeniya S. Bazhina,* Maxim A. Shmelev, Julia K. Voronina, Natalia A. Korotkova, Konstantin A. Babeshkin, Anna K. Matiukhina, Ekaterina V. Belova, Natalia V. Gogoleva, Sergey Yu. Kottsov, Nikolay N. Efimov, Mikhail A. Kiskin and Igor L. Eremenko



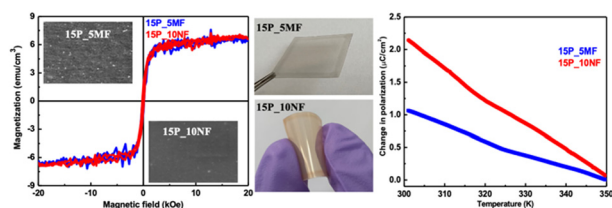
19265



A multifunctional flexible strain sensor based on an excellent sensing performance PDMS-MXene@CNT/TPU nanofiber membrane with hydrophobic and photothermal conversion performance

Junjie Xiao, Jingqiang He, Weijie Wang, Meimei Chen and Ronghui Guo*

19276



PVDF/Ferrite composite films on flexible substrate for pyroelectric energy conversion

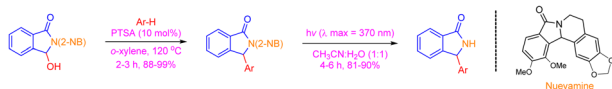
Studies on PVDF/ferrite composite films on flexible substrates for pyroelectric energy conversion

Achal Bhiogade, Katragadda Nagamalleswari, Pranab Mandal* and Vengadesh Kumara Mangalam Ramakrishnan*

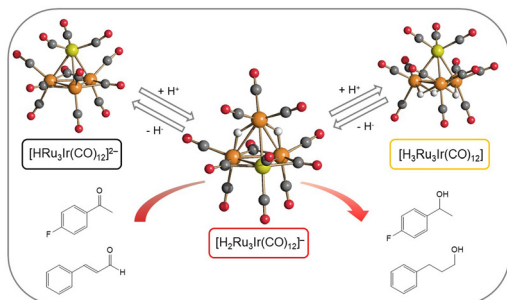
19283

C(3)-Aryl isoindolinones: a PTSA-mediated access and improved synthesis of (±)-nuevamine

H. Surya Prakash Rao* and Prabhakaran J



19289



Heterometallic Ru–Ir carbonyl clusters as catalyst precursors for hydrogenation and hydrogen transfer reactions

Francesca Forti, Cristiana Cesari,* Marco Bortoluzzi, Cristina Femoni, Maria Carmela Iapalucci and Stefano Zacchini

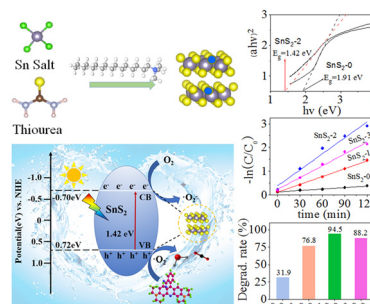


PAPERS

19304

Engineering crystal planes and band structure of 2D tin sulfide nanosheets and investigating their photocatalytic degradation performance

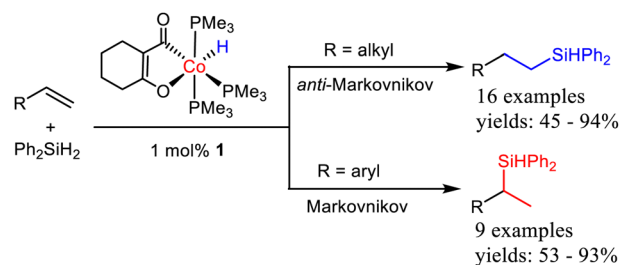
Zhixin Jia, Xiaofeng Shuai, Ruihua Zhao and Jianping Du*



19314

Distinct selective alkene hydrosilylation catalyzed by acylenalato cobalt hydrides

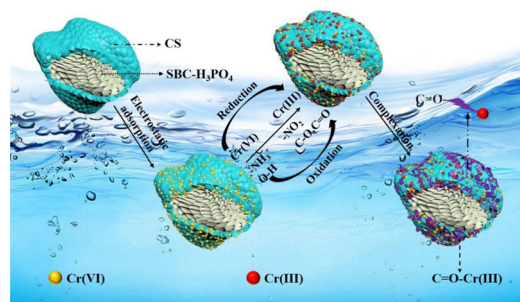
Xin Wang, Xiaoyan Li and Hongjian Sun*



19320

A novel sludge-based biochar composite adsorbent CS/SBC-H₃PO₄ for efficient Cr(VI) removal from aqueous solution

Hui Wang, Dengjie Zhong,* Yunlan Xu and Pengfei Liao



19330

Highly efficient oxidative removal of thiophene at ambient temperature over synthetic MnO₂/zeolite nanocomposites

Zahra Chenari, Maasoumeh Khatamian* and Azin Yavari

