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Cover
See Beena G. Singh, Claudio Santi *et al.*, pp. 36–44.
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The authors thank Dr Micol Santi who produced this original artwork.

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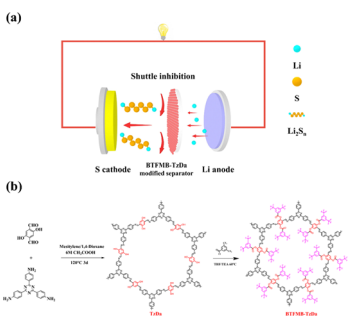

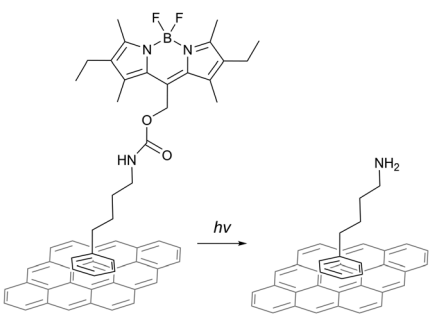

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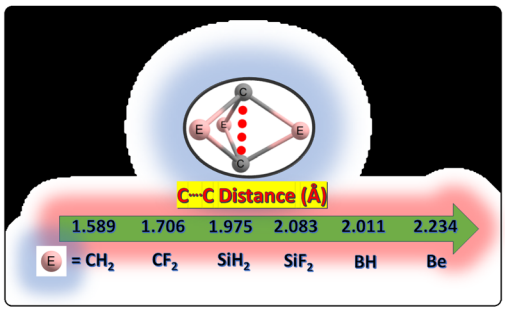

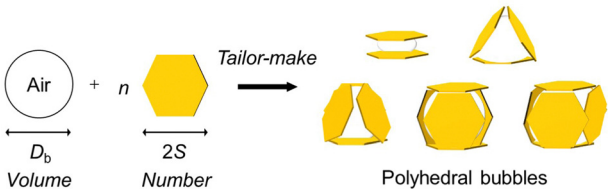

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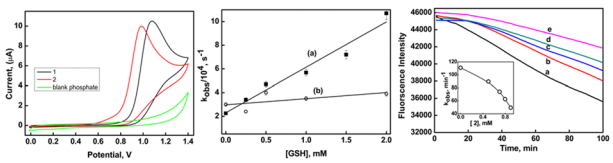

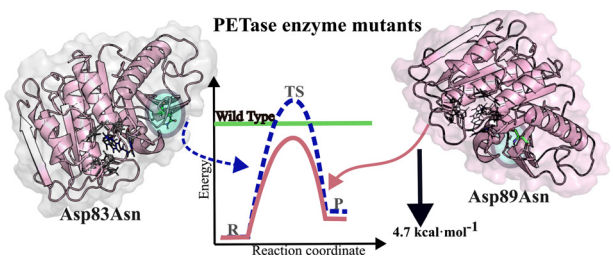

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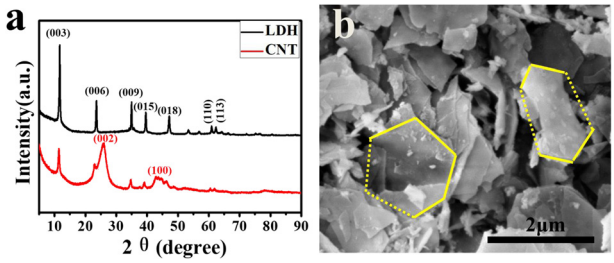

High-rate carbon nanotube/magnetic-sheet composites *in situ* synthesized using a fluidized bed for high-frequency microwave absorption

Lele Xu, Chenghui Sun, Chen Liang, Jinsong Yang, Xinxin Yuan and Minghai Chen*

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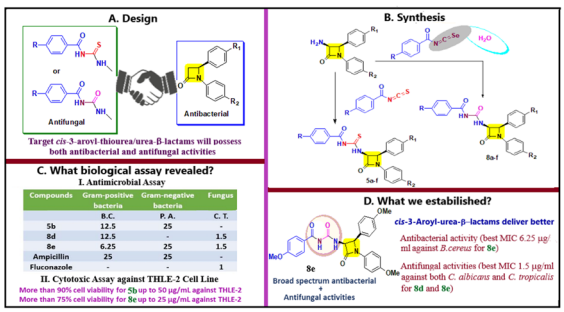

Aroyl-isothiocyanates/isoselenocyanates as precursors to obtain novel *cis*-3-aroyl-thiourea/urea-β-lactams: design, synthesis, docking and biological evaluation

Pankaj Kumar, Jaswinder Kaur, Sumeeta Kumari, Sakshi Paliwal, Shiwani Berry, Anil Kumar Pinnaka* and Aman Bhalla*

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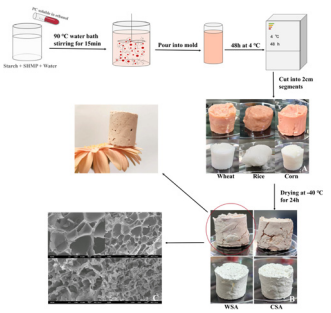

Preparation and characterisation of wheat starch-based aerogels for procyanidin encapsulation to enhance stability

Tian-Xiao Yang, Hang Li, Yuan Zhu, Yu Gao, Hong-Ning Lv, Sheng-Hua Zha, Xiao-Li Sun* and Qing-Sheng Zhao*

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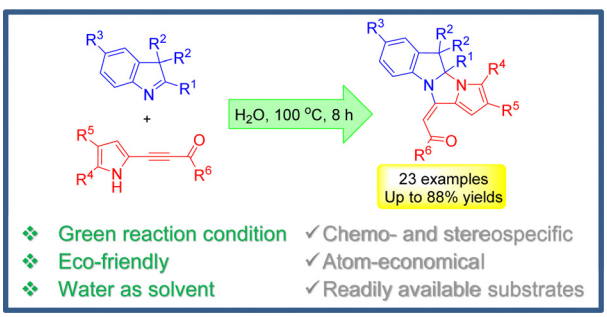

Eco-friendly, in-water, and catalyst-free assembly of acylethenylpyrroloimidazoindoles from 3*H*-indoles and acylpyrrolylacetylenes

Ludmila A. Oparina, Kseniya V. Belyaeva, Nikita A. Kolyvanov, Igor A. Ushakov, Denis N. Tomilin, Lyubov N. Sobenina, Anton V. Kuzmin and Boris A. Trofimov*

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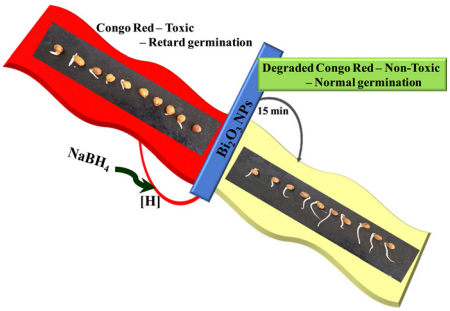

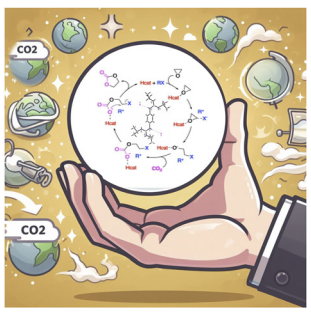

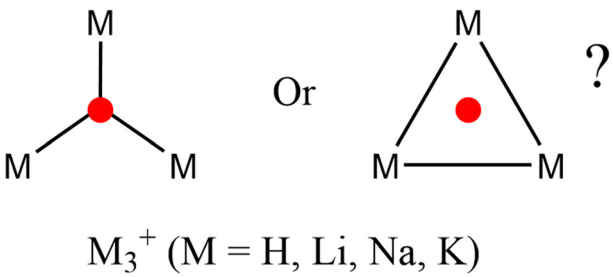

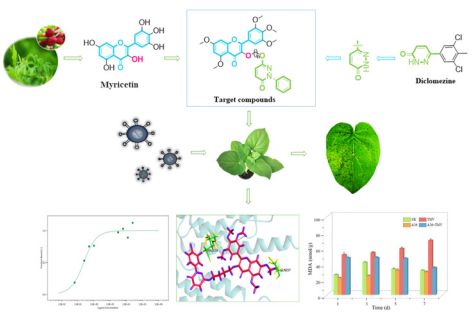

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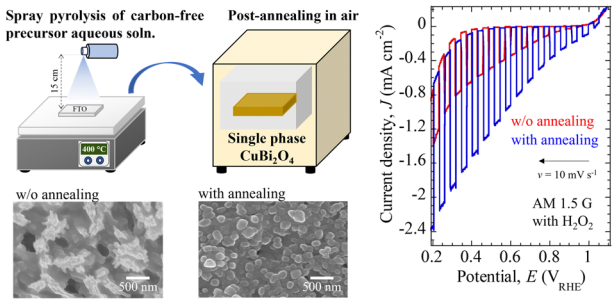

Photoelectrochemical properties of p-type $CuBi_2O_4$ prepared by spray pyrolysis of carbon-free precursor aqueous solution combined with post-annealing treatment

Kaisei Wakishima, Tomohiro Higashi,* Akira Nagaoka and Kenji Yoshino*

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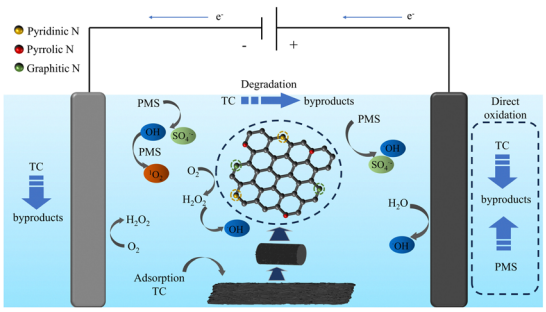

Three-dimensional N-doped carbon electrodes activate peroxymonosulfate for tetracycline degradation

Jieyu Zhao and Yonggang Zhang*

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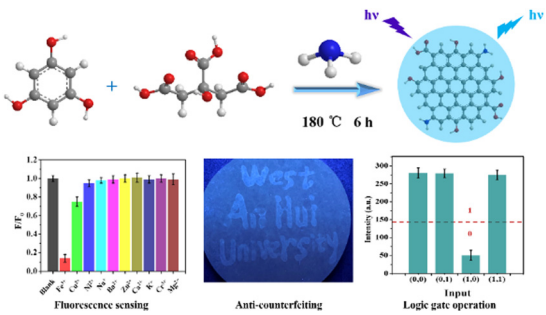

Nitrogen-doped carbon quantum dots for fluorescence sensing, anti-counterfeiting and logic gate operations

Li Xu, Yi Qian, Lei Bao, Wei Wang, Nengmei Deng, Li Zhang, Guanglin Wang, Xucheng Fu* and Wei Fu*

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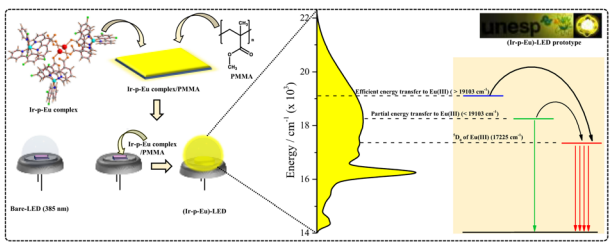

Heterobimetallic iridium^{III}–europium^{III} complex: the role of donor energy on sensitising the Eu^{III} ion

Felipe da Silva Manrique Canisares, Renan Caike Silva, Marian Rosaly Davolos, Ana Maria Pires and Sergio Antonio Marques Lima*

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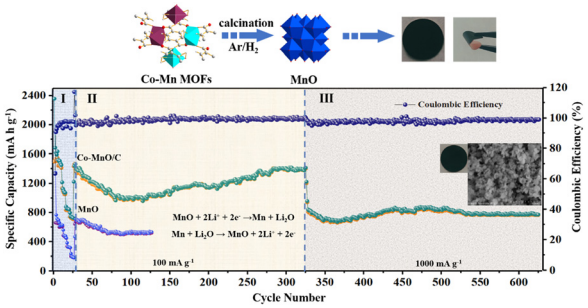
Co–MnO/C nanoparticles derived from MOFs with improved conductivity and reduced volume change for lithium-ion batteries

Yiting Wang, Jie Zheng, Changjian He, Xiaochun Li, Yichuan Rui* and Bohejin Tang*



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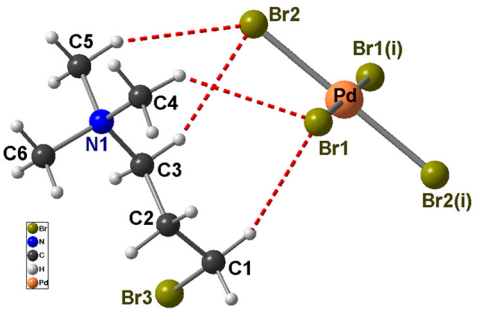
Bromination of organic spacer impacts on the structural arrangement, phase transitions, and optical and electrical properties of a hybrid halide compound:$[(CH_3)_3N(CH_2)_3Br]_2PdBr_4$

Mohamed Saadi, Imen Dakhlaoui, Fadhel Hajlaoui, Nidhal Drissi, Mustapha Zighrioui, Fethi Jomni, Nathalie Audebrand, Marie Cordier and Karoui Karim*



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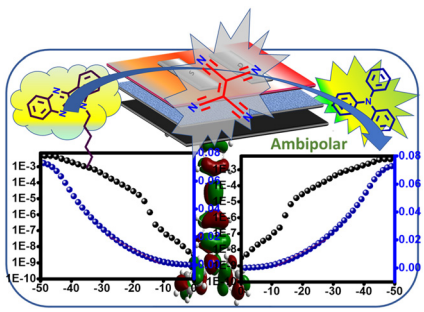
π-Extended indoloquinoxaline functionalized triarylamines with ethynyl and tetracyanobutadiene bridges for p-channel and ambipolar OFETs

Panneerselvam Devibala, Balu Balambiga, Predhanekar M. Imran and Samuthira Nagarajan*



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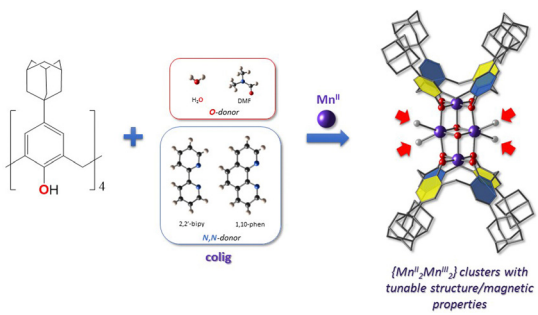
Influence of neutral auxiliary ligands on crystal structure and magnetic behaviour of new $[Mn^{II}_2Mn^{III}_2]$ clusters supported by *p*-adamantylcalix[4]arene

Alexander S. Ovsyannikov,* Iuliia V. Strelnikova, Aida I. Samigullina, Daut R. Islamov, Mikhail A. Cherosov, Ruslan G. Batulin, Airat G. Kiiamov, Aidar T. Gubaidullin, Pavel V. Dorovatovskii, Svetlana E. Solovieva and Igor S. Antipin



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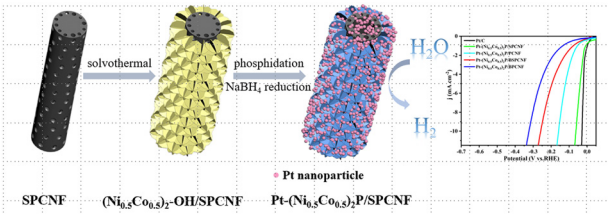

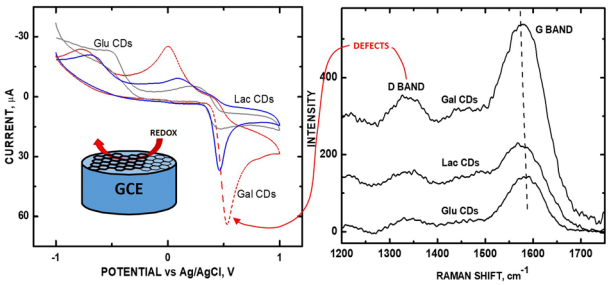

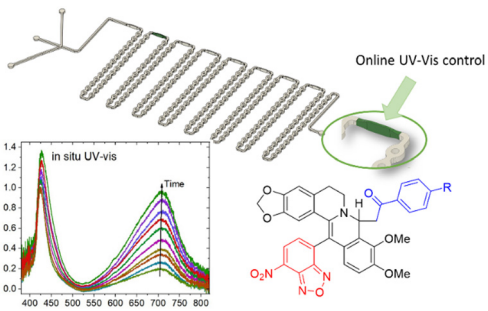

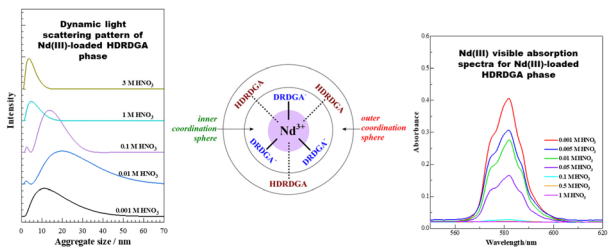

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Correction: Developing a biocatalyst showcasing the synergistic effect of rice husk biochar and bacterial cells for the removal of heavy metals

Soumya Koippully Manikandan and Vaishakh Nair*

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Correction: Kinetics and mechanism of halide exchange in reactions of $CpRu(PPh_3)_2Cl$ with alkyl halides: evidence for radical pairs

Katherine Carney, Lauren Polito, Kamilya Reid, Surbhi Srinivas, Gabrielle Blake, Nithin Chintala, Sijia S. Dong* and Rein U. Kirss*