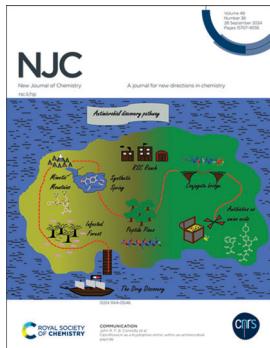


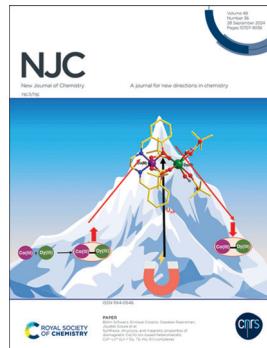
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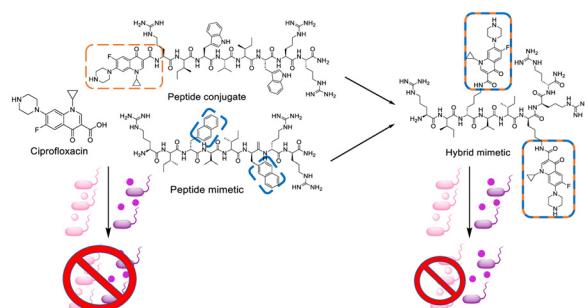
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COMMUNICATIONS

15722

Ciprofloxacin as a tryptophan mimic within an antimicrobial peptide

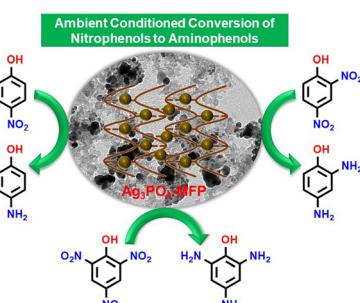
John R. F. B. Connolly,* Deirdre Fitzgerald-Hughes, Marc Maresca, Jimmy Muldoon and Marc Devocelle



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Silver phosphate-based melamine-formaldehyde polymer for reduction of mono, di, and tri-nitrophenols under ambient conditions

Anjali Kumari Garg, Vaishali Singh, Nicky Kumar Lamba, Chumki Dalal* and Sumit Kumar Sonkar*



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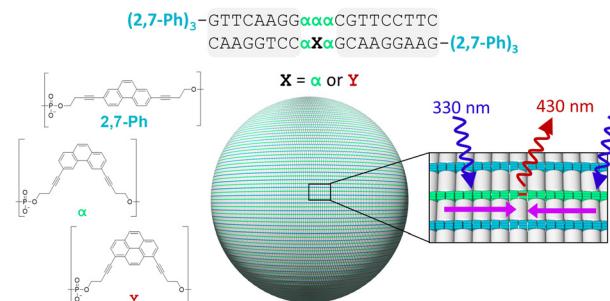
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COMMUNICATIONS

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Supramolecular assembly of phenanthrene–DNA conjugates into light-harvesting nanospheres

Jan Thiede, Thomas Schneeberger, Ioan Iacovache, Simon M. Langenegger, Benoît Zuber and Robert Häner*

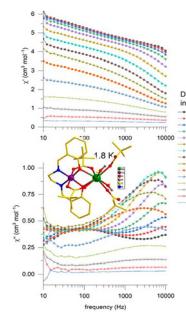


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Synthesis, structure, and magnetic properties of diamagnetic Co(III) ion-based heterometallic Co^{III}–Ln^{III} (Ln = Dy, Tb, Ho, Er) complexes

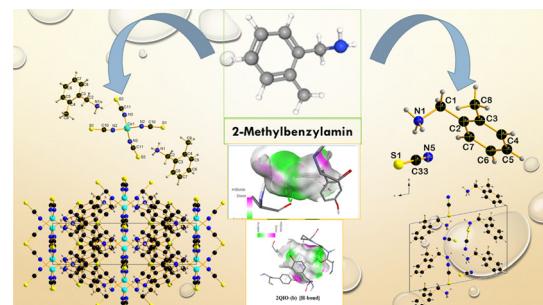
Nandini Barman, Purbashree Halder, Subrata Mukhopadhyay, Björn Schwarz,* Enrique Colacio,* Rajanikanta Rana, Gopalan Rajaraman* and Joydeb Goura*



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Synthesis, crystal structure, thermal analysis, spectroscopic, optical polarizability, and DFT studies, and molecular docking approaches of novel 2-methyl-benzylammonium derivatives for potential anti-inflammatory control

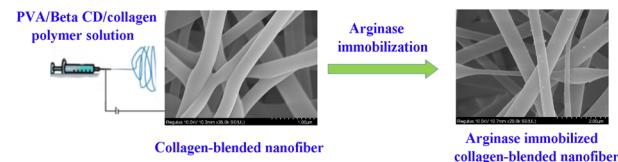
Amal Ferchichi, Jawher Makhlof,* Kelechi Chukwuemeka, Arto Valkonen, Hatem A. Abuelizz, Rashad Al-Salahi, Youness El Bakri* and Wajda Smirani



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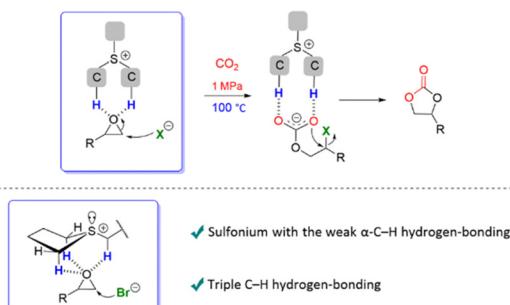
Production and characterization of a collagen-blended electrospun nanofiber matrix for arginase immobilization

Ceyhun Işık* and Mustafa Teke



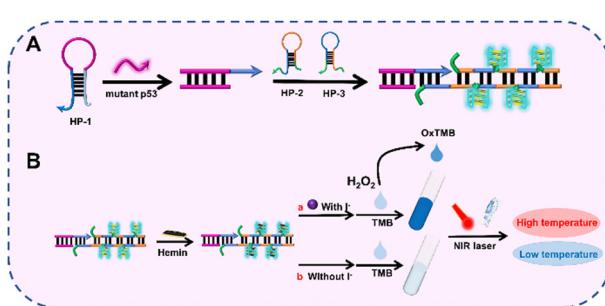
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**Unconventional sulfonium C–H H-bond donor catalyst in fixation of carbon dioxide**

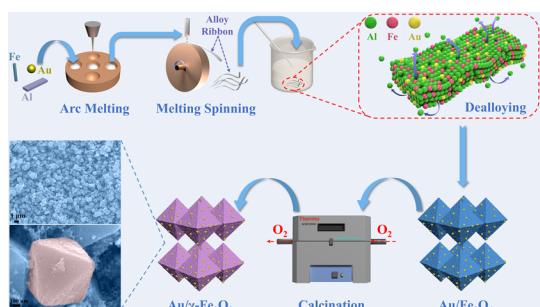
Na Shi, Ming Chen, Zhenjiang Li,* Yongwei Ni, Hui Yu, Daiqing Zhou, Ning Li, Min Zhang, Xin Zou and Kai Guo*

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**Colorimetric and photothermal dual-modal analysis of a cancer-related gene based on G-quadruplex-hemin cascade signal amplification**

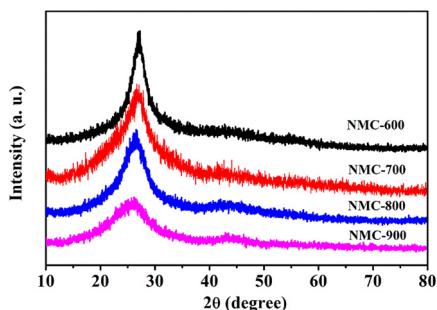
Hongling Tao, Yanyue Chen, Jiawen Liu, Jiali Liu, Yunhui Yang and Rong Hu*

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**Highly efficient nano-octahedral Au/ γ -Fe₂O₃ catalyst synthesized by dealloying combined with calcination for low-temperature CO oxidation**

Dong Duan, Chunxi Hao,* Jiangang Jiang and Ying Li

15802

**A green method for the preparation of nitrogen-doped mesoporous carbon and its application in adsorptive desulfurization**

Huapeng Cui* and Naijin Xing

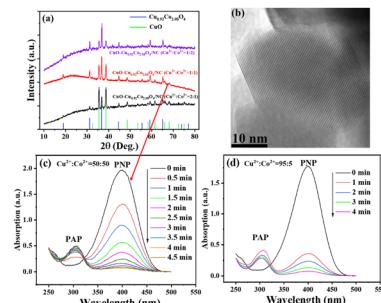


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Exploring the high catalytic performances of Cu–Co–O/N-doped carbon materials toward the hydrogenation reduction and advanced oxidation reactions of 4-nitrophenol (PNP)

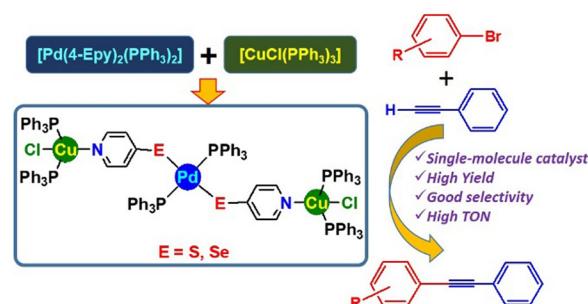
Pingyun Li,* Shiyu Huang, Yanchao Shen, Yadan Wang and Xiaode Guo*



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Bimetallic Pd/Cu complexes of pyridylchalcogenolates and their catalytic activity in the Sonogashira reaction

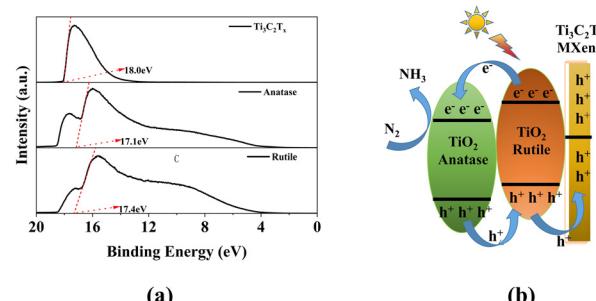
M. K. Pal, A. P. Wadawale and S. Dey*



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Regulation of a rutile/anatase TiO₂ heterophase junction *in situ* grown on Ti₃C₂T_x MXenes with remarkable photocatalytic properties

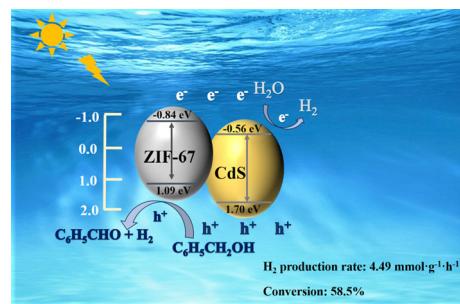
Jiale Zheng, Junhao Cai, Songyuan Li, Ruoping Li* and Mingju Huang*



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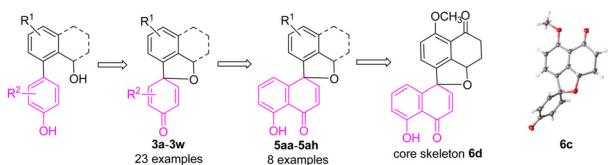
Functionalized ZIF-67@CdS for photocatalytic oxidation of benzyl alcohol coupled with hydrogen production

Tao Wang, Mengyao Shi, Changyan Guo* and Jide Wang*



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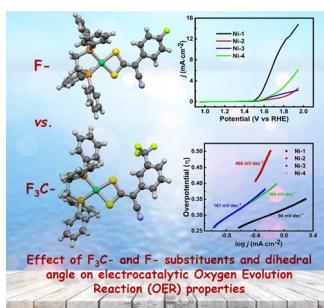
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Synthesis of 3'H-spiro[cyclohexane-1,1'-isobenzofuran]-2,5-dien-4-one and Skeleton construction of a type D spirobisnaphthalene structure via dearomatization by a high-valence iodine reagent and Diels–Alder reaction

Haoyun Ma, Xinkun An, Tingting Zhang, Xie He, Yiyi Li and Mingan Wang*

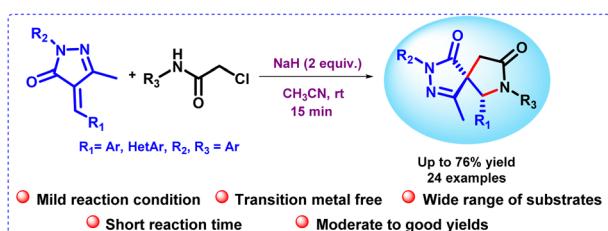
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Supramolecular and electrocatalytic OER properties of new heteroleptic fluoro- and trifluoromethyl-substituted Ni(II)-dithiolates: effects of substituents and dihedral angle on the electrocatalytic performance

Aparna Kushwaha, Devyani Srivastava, Gabriele Kociok-Köhn, Suresh W. Gosavi, Ratna Chauhan, Sarfaraz Ahmed and Abhinav Kumar*

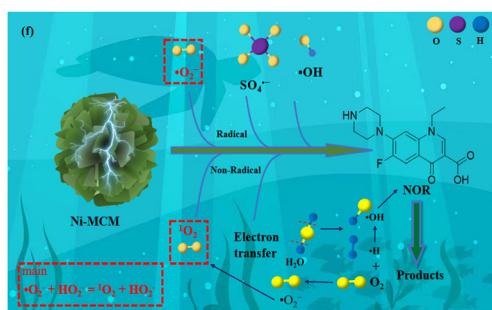
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Convenient synthesis of spiro-pyrazolone-pyrrolidinones via *ipso*-cyclization of arylidene pyrazolones with 2-chloro-*N*-phenylacetamides

Kavyashree Kuppaya Gond and Mahagundappa Rachappa Maddani*

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The composite metal cluster catalyst Ni–MCM enhances the non-radical pathway for efficient catalytic degradation of norfloxacin

Chuhan Xing, Yaoyao Chen,* Zhi Song,* Boxia Liu, Xiayan Zhang, Jialu Liu, Yeqiong Huang and Dongxu Han

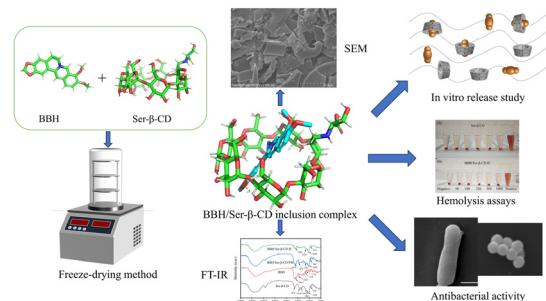


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Inclusion complex of berberine hydrochloride with serine- β -cyclodextrin: construction, characterization, inclusion mechanisms, and bioactivity

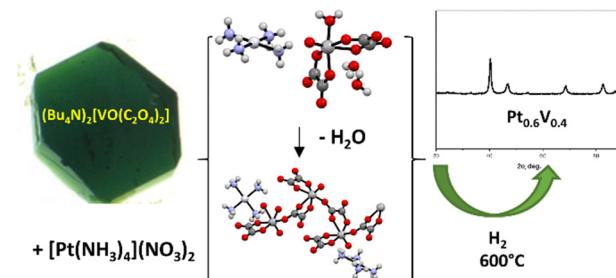
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Double complex salts based on tetraamminplatinum(II) and vanadyl(IV) bisoxalate for the preparation of bimetallic Pt–V alloys

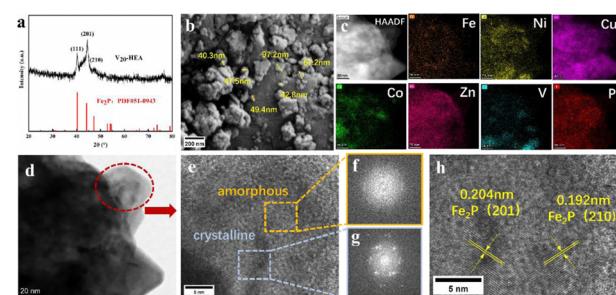
Sofia N. Vorobyeva,* Zakhar V. Rudzis, Taisiya S. Sukhikh, Evgeny Yu. Filatov, Pavel E. Plusnin, Vladimir A. Nadolinny, Artem S. Bogomyakov and Sergey V. Korenev



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Noble metal free high entropy alloys with amorphous based heterostructures for the oxygen evolution reaction

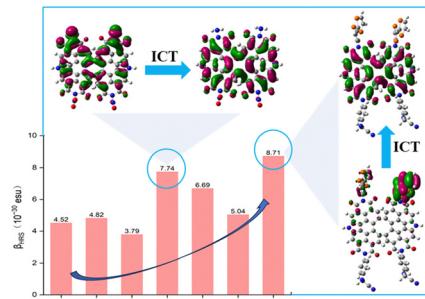
Jia Yao, Yin'an Zhu, Ting Dai, Tao Lu* and Ye Pan*



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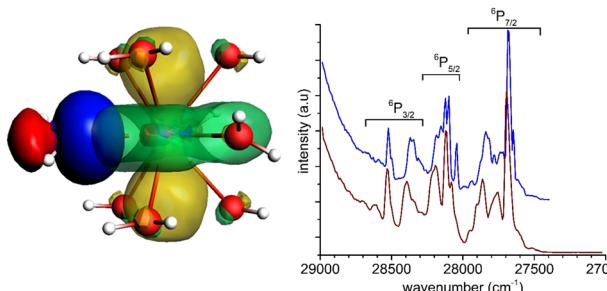
Theoretical study on photophysical properties of double helicenes entwined with two perylene diimides

Yanling Si and Guochun Yang*



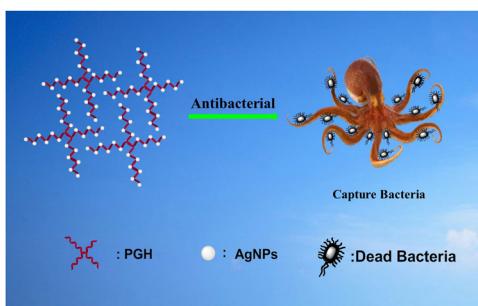
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**Hydrated halogenides of Eu(II): structure, spectroscopy and charge density analysis**

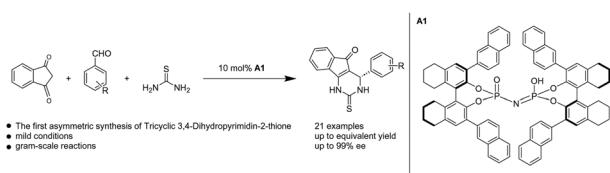
Przemysław Starynowicz

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**Combating multidrug-resistant bacteria with nanostructured guanidine-based polymers**

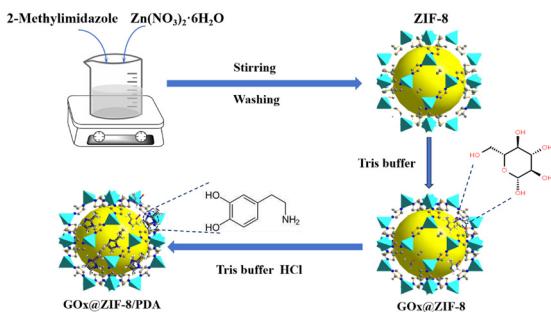
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**Asymmetric synthesis of chiral tricyclic 3,4-dihydropyrimidin-2-thione derivatives catalyzed by chiral imidodiphosphoric acid**

Lingkai Kong, Peng Wang, Chunzhi Ju, Guangliang Zhang* and Suoqin Zhang*

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**Glucose oxidase intercalation into polydopamine and ZIF-8 as a highly efficient and stable bio-catalyst for H₂O₂ production**

Yalin Zhang, Xiaoyue Yang, Xinlong Liu, Zhijie Zhang and Xiaoyuan Liao*



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A multifunctional nanoplatform combining self-supplied H₂O₂ production with CO delivery for multimodal anti-tumor therapy

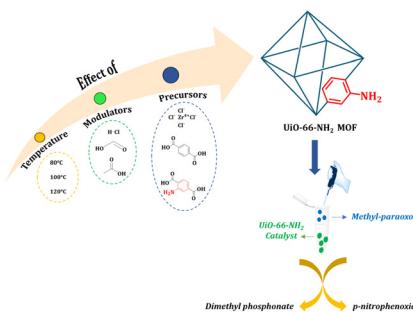
Meng-Jie Chen, Cheng-Bin Wang, Hai-Lin Zhang, Shi-Ping Yang and Jin-Gang Liu*



15955

Synergistic ramifications of synthesis criteria and amine functionalization of UiO-66-NH₂ MOFs for the catalytic degradation of a nerve agent simulant, methyl-paraoxon

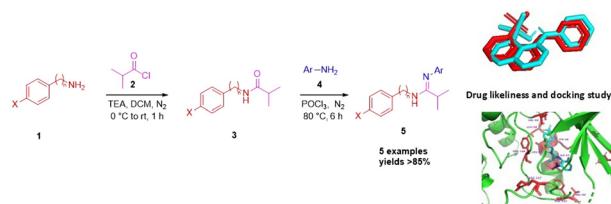
Selva Balasubramanian, Arockia Jayalatha Kulandaismay and John Bosco Balaguru Rayappan*



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Biological evaluation of some novel 1,3-bis substituted-2-isopropylamidines by *in silico* molecular dynamics and simulation studies

Pradeep Kumar P. S., Jeevan Chakravarthy A. S.,* Shriraksha A and Sunil K*



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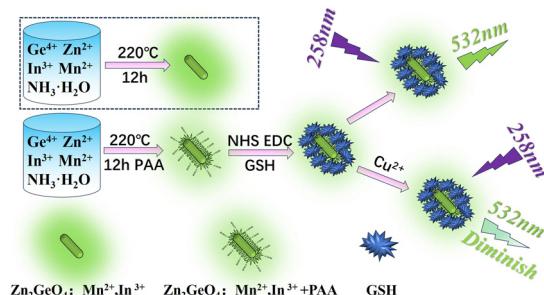
Rh(III)-catalyzed [4+1] annulation of a sulfoxonium ylide with allyl alkyl ethers: a detailed theoretical study of the anti-inflammatory and antidiabetic activities with DFT

Pakkirisamy Sivakumar, Pothaprageda S. K. Prabhakar Ganesh, Perumal Muthuraja, Sarangapani Bharanidharan, Balasubramaniyan Anandhan, Rajaram Rajamohan* and Subramaniyan Kamatchi*



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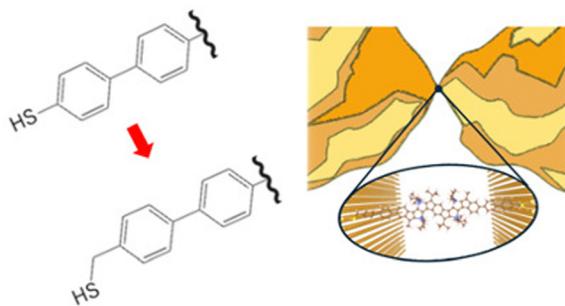
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Preparation of $\text{Zn}_2\text{GeO}_4:\text{Mn,In}$ persistent luminescence nanoparticle composites for the detection of copper ions

Yao-Xing Han, Renagul Abdurahman,* Yue Zhang, Shi-Ji Liu, Xiu-Zhen Yang, Xuan-He Guo, Rui Zhang, Xing-Hong Pan and Xue-Bo Yin*

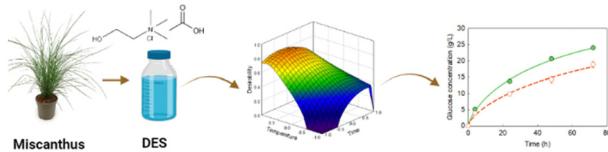
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Insertion of methylene groups into functional molecules for high thermal stability and superior functionality of single-molecule transistors: a first-principles study

Miku Furushima,* Mitsuharu Uemoto, Dongbao Yin, Seiichiro Izawa, Ryo Shintani, Yutaka Majima and Tomoya Ono

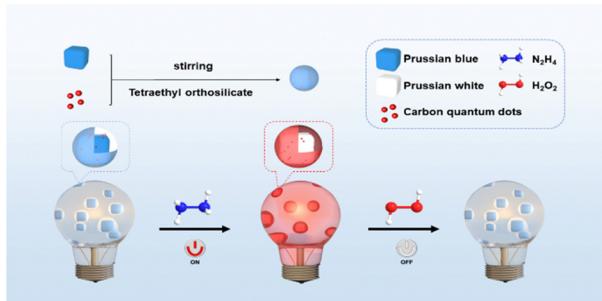
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Optimizing deep eutectic solvent pretreatment for enhanced glucan recovery from miscanthus

Patrícia J. Piedade, Michat M. Nowotarski, Gabriela Dudek and Rafal M. Lukasik*

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A reversible redox-fluorescence switch based on Prussian blue and carbon quantum dots for dual-spectral detection of N_2H_4 and H_2O_2

Jiayu Gao, Yuan Zhang, Ying Sun, Siyue Wang, Zhelin Liu,* Bo Zhao,* Xiangting Dong and Shouhua Feng

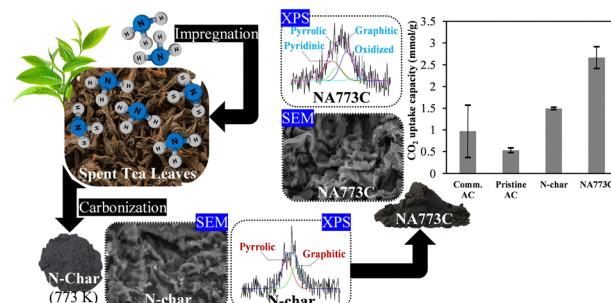


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Nitrogen configuration enriched N-doped activated carbon from spent tea leaves through an ammonia impregnation approach for CO₂ adsorption

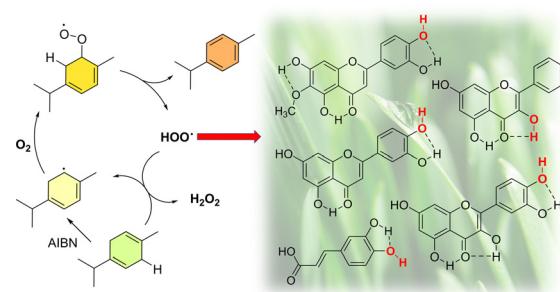
Amirul Hafiiz Ruhaimi and Muhammad Arif Ab Aziz*



16047

Rate constants for H-atom abstraction by HO[•] from H-donor compounds of antioxidant relevance

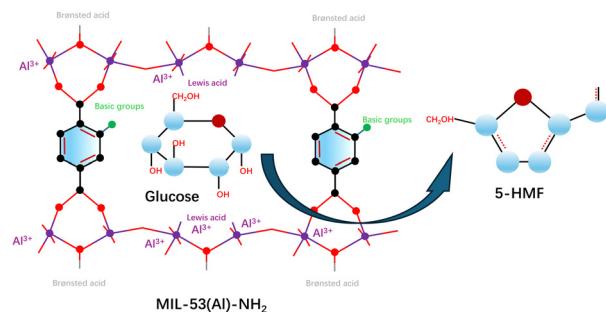
Mario C. Foti,* Concetta Rocco, Zongxin Jin and Riccardo Amorati



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Preparation of MIL-53(Al) with different ligands for application in the glucose transformation to 5-hydroxymethylfurfural

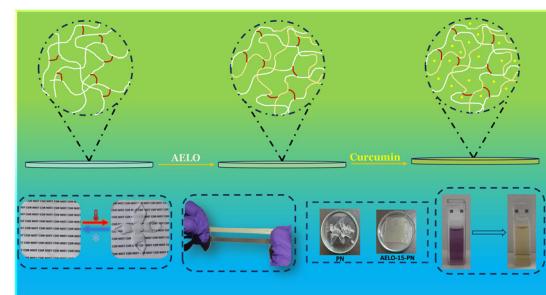
Yongzhao Zhang,* Xuzheng Chen, Yunlei Zhou, Tao Feng, Zhenya Zhu, Luping Lv and Yifan Liu



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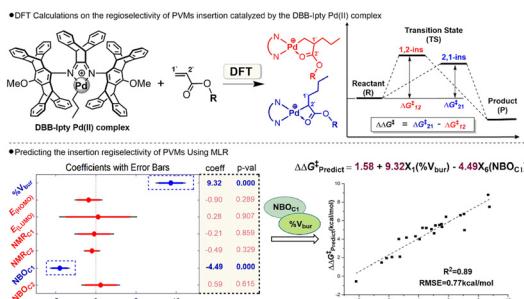
Dual responsive curcumin loaded N-isopropylacrylamide/acrylated linseed oil copolymeric hydrogel films: tuned LCST with value-added properties

P. A. Parvathy, Victor A. Ajisafe, Ashok M. Raichur and Sushanta K. Sahoo*



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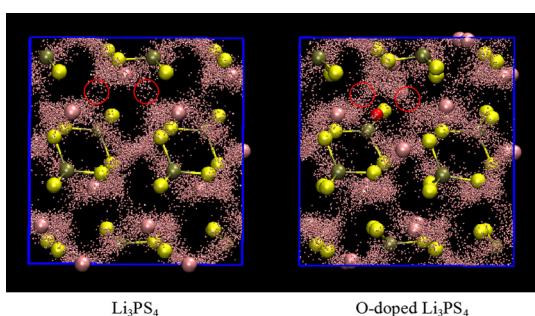
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Theoretical studies on the regioselectivity of polar vinyl monomer insertion catalyzed by an α -diimine Pd(II) complex

Kaipei Ren, Xin Wen, Yanfeng Jiang, Xiaohui Kang* and Yi Luo*

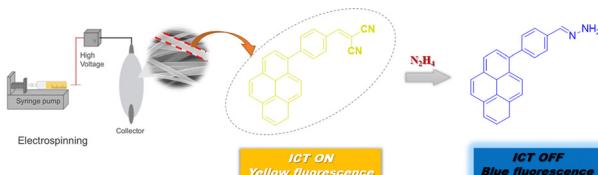
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Investigation of the effect of O doping on the Li-ion mobility of Li₃PS₄ solid-state electrolytes: an *ab initio* molecular dynamics study

Leijuan Ma,* Kai Yuan, Jifang Zhang, Chen Wu* and Xiaoyang Zhao*

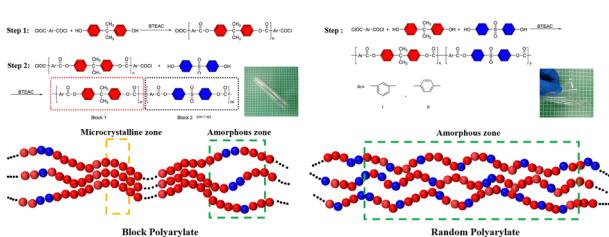
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Novel pyrenylbenzylidene-malononitrile derivative mixed with cellulose acetate electrospun nanofibrous sheets for hydrazine detection

Pipattra Mayurachayakul, Jirawan Thianchai, Naraporn Attakul, Kornkanya Pratumyot, Mongkol Sukwattanasinitt, Kittiwat Srikitiwanna and Nakorn Niamnont*

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Reaction strategies of bisphenol A derivatives to regulate the microstructure of polyarylates: synthesis of bisphenol S/bisphenol A random polyarylates and block polyarylates

Zhoufeng Wang,* Bolin Wang, Yingying Liu, Xiubo Long and Wenlong Yao

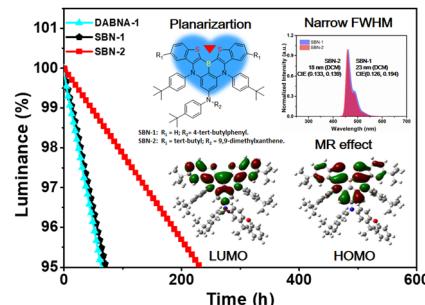


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Constructing highly efficient multiple resonance fluorescence materials by inserting benzothiophene within B/N-skeletons

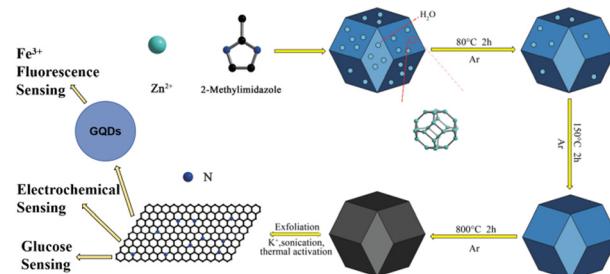
He Zhao, Wenkun Han,* Jianan Xu, Yan Bi, He Li, Tianyu Yang, Xiaoyu Ma* and Chunhui Su*



16127

A multifunctional nanoporous carbon platform derived from a zeolitic imidazolate framework for sensing and enzyme-like catalysis

Lin Lu,* Xiaojing Li, Junsong Mou, Xiyue Cao and Jianfei Xia*



CORRECTION

16134

Correction: A zinc–porphyrin–peptide conjugate via “click-chemistry”: synthesis and amyloid- β interaction

Rita Tosto, Stefania Zimbone, Giuseppe Di Natale, Maria Laura Giuffrida, Tiziana Campagna, Giuseppe Pappalardo* and Giuseppina Sabatino*