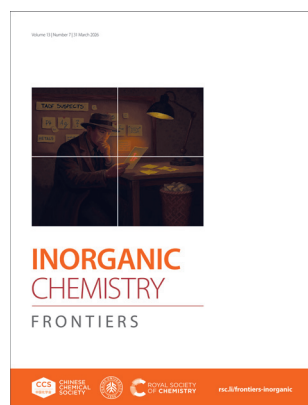


IN THIS ISSUE

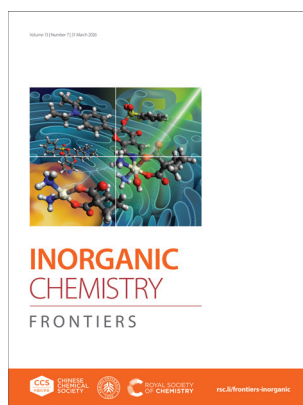
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Cover

See Piotr Pander *et al.*, pp. 2816–2834.

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Inside cover

See Guangyu Zhu *et al.*, pp. 2835–2842.

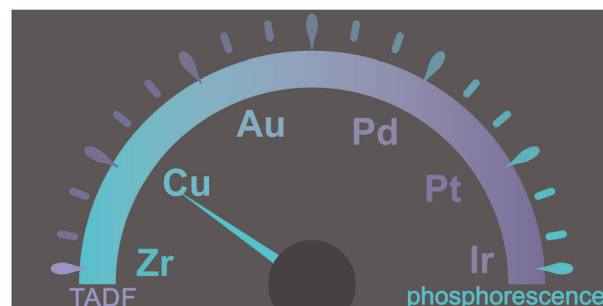
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REVIEWS

2686

Understanding luminescence of metal-containing thermally activated delayed fluorescence (TADF) luminophores

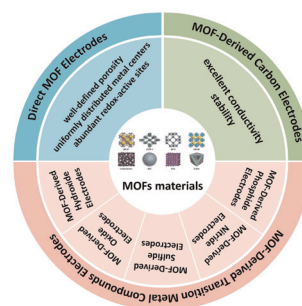
Lubna Salah, Paulina Marek-Urban, Mieczysław Łapkowski, Fernando B. Dias* and Piotr Pander*



2727

Tailoring metal–organic frameworks and their derivatives for advanced supercapacitor cathodes: from design to electrochemical performance

Liuxu Wei, Xinjie Xu, Yanan Liu, Zhenyu Yue, Huiqi Jia, Zexing Wu, Zhenyu Xiao* and Lei Wang*



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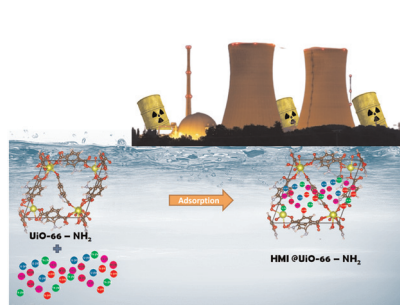
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REVIEWS

2745

Advancements in UiO-66-based adsorbents: a critical review of their role in radionuclide sequestration

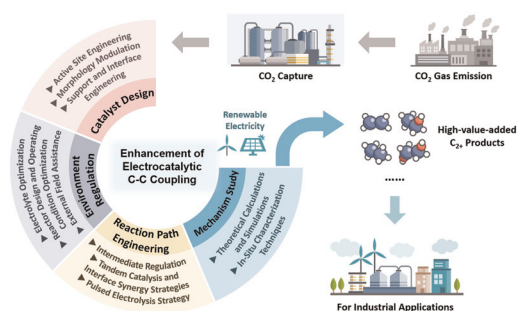
Nitin Gumber* and Rajesh V. Pai*



2773

Sustainable and efficient production pathways for multi-carbon products via CO₂ electrosynthesis: catalyst surface and interface engineering

Jiani Han, Yaodong Yu, Jiakuo Yang, Yuanduo Li, Yanxue Chao, Jiakuan Zhou, Hongdong Li, Jingqi Chi, Jianping Lai* and Lei Wang*

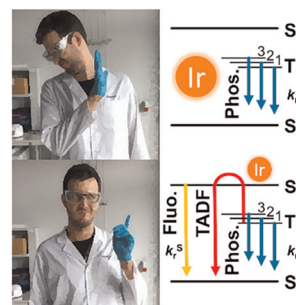


RESEARCH ARTICLES

2816

Evidence for thermally activated delayed fluorescence in iridium(III) complexes

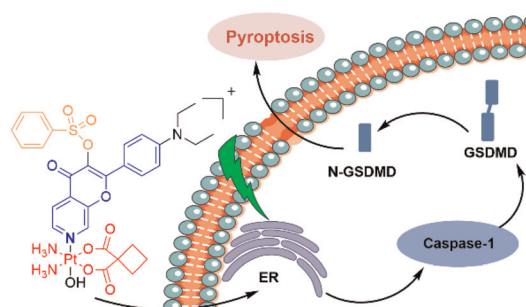
Piotr Pander,* Dawid Nastula, Paulina H. Marek-Urban, Valery N. Kozhevnikov and J. A. Gareth Williams



2835

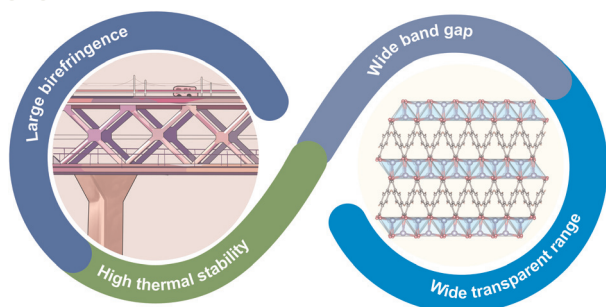
Flavoplatins: photoactivated platinum(IV) prodrugs bearing axial N-donors that trigger pyroptosis and reduce drug resistance

Qiyuan Zhou, Nang-Hei Chu, Jiaqian Xu, Kwok-Chung Law and Guangyu Zhu*



RESEARCH ARTICLES

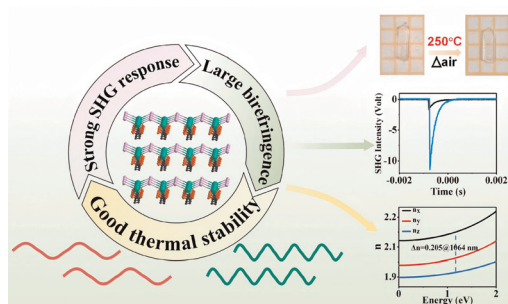
2843



Truss bridge-like anhydrous stacking in hybrid crystals triggers ultra-high stability and robust birefringence

Ping Wang, Qiya Huang, Xiaoli Meng, Lehui Liu, Qi Wu* and Hongming Liu*

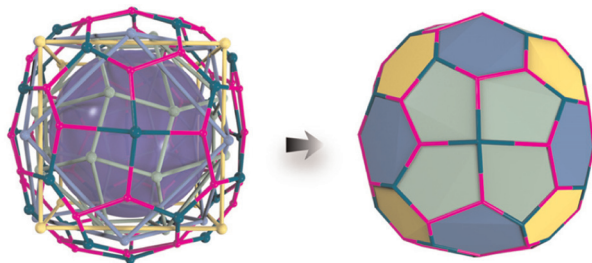
2854



Stable lead succinate-iodides with strong second-harmonic generation response and large birefringence

Yulu Wu, Jialin Zeng, Ruibiao Fu,* Wenjing Yang, Zilong Geng, Senfu Lei, Yiting Luo, Xiaofan Tong and Zuju Ma*

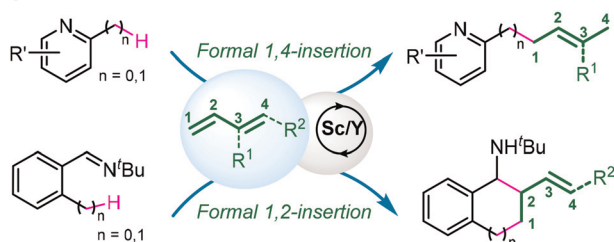
2863



Self-assembly of a high-nuclearity fullerene-like heteropolyoxometalate cage

Shuangxue Wu, Chunyi Sun, Xinlong Wang,* Kuizhan Shao, Chao Qin* and Zhongmin Su

2871



DFT calculations: Reaction Mechanisms and Origins of Selectivity

Insertion modes and origins of product selectivity in rare-earth-catalysed C-H functionalization with conjugated dienes

Deyue Cao, Bowen Zheng, Ningjie Xu, Xin Wang* and Gen Luo*

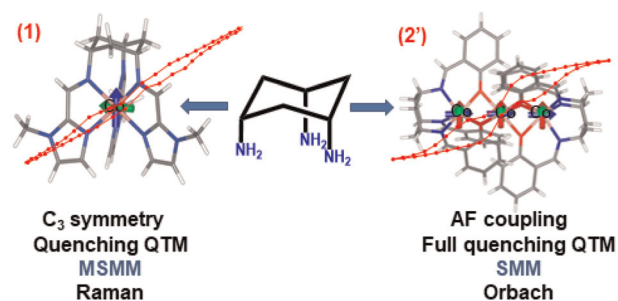


RESEARCH ARTICLES

2882

Symmetry control and magnetic exchange coupling in SMMs based on Co(II) complexes

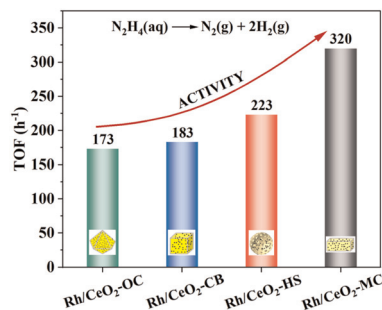
Laura Cuevas-Contreras, María Mar Quesada-Moreno, Estibaliz Ruiz-Bilbao, Juan Manuel Gutiérrez-Zorrilla, J. Krzystek, Mykhaylo Ozerov, Juan-Ramón Jiménez* and Enrique Colacio*



2904

Monometallic Rh nanocatalysts supported on CeO₂ microcuboids for highly efficient dehydrogenation of hydrous hydrazine

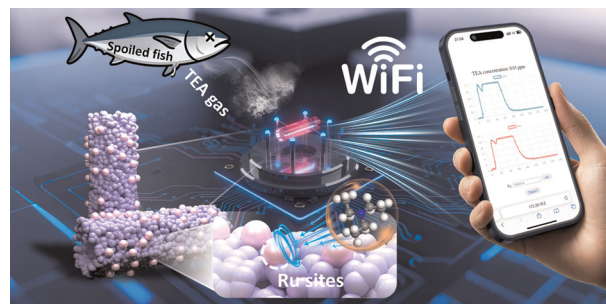
Wei Wang, Shiliang Zhang, Yuanhang Yang, Jianhui Xia* and Zhang-Hui Lu*



2912

A wireless gas sensing system enabling real-time seafood freshness monitoring based on Ru-In₂O₃ microtubes with dual-enhanced sensitivity and selectivity

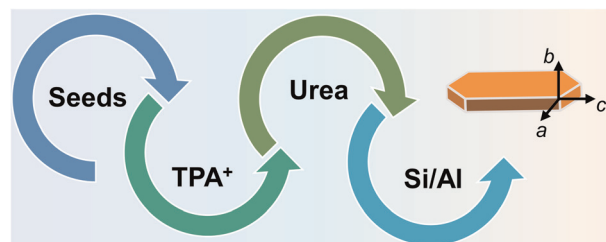
Xue-Zhi Song,* Yuxiang Chen, Jintao Zhao, Dekun Liu, Ziwei Lv, Yueying Wang, Zhaonan Zuo, Yu-Lan Meng, Fei Li,* Xiao-Feng Wang* and Zhenquan Tan*



2925

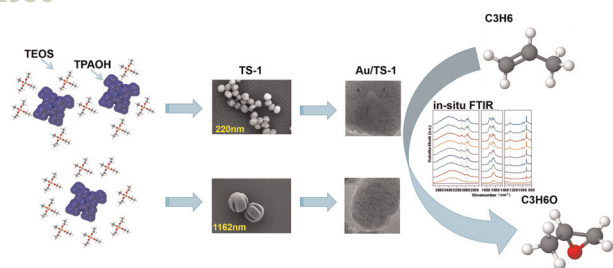
Seeded growth of urea-promoted ZSM-5 nanoplates with short *b*-axis thickness for enhanced methanol-to-olefin reactions

Qiudi Yue, Junwei Wu, Honghai Liu, Anna Kaleta, Francesco Dalena, Diogenes Honorato Piva, Pierre Ruterana, Jiaqi Zhao, Zhengxing Qin, Xionghou Gao, Zifeng Yan and Svetlana Mintova*



RESEARCH ARTICLES

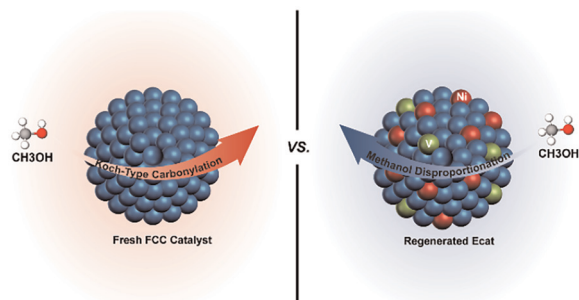
2936



Propene epoxidation over a low-cost Au/TS-1 catalyst: modulation of synergetic effects between Ti and Au sites

Yupeng Tian, Yujia Liu, Chenyang Zhao, Mingzhi Li, Xinmei Liu, Bing Sun* and Wei Xu*

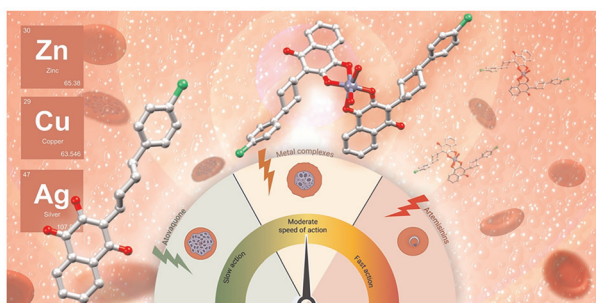
2947



Repurposing fluid catalytic cracking catalysts for methanol conversion: route selection and deactivation of fingerprints

Yunfan Wang, Xin Zhang, Jiaqi Zhao, Xinyu You, Jiangcheng Li, Zhengxing Qin* and Abhishek Dutta Chowdhury*

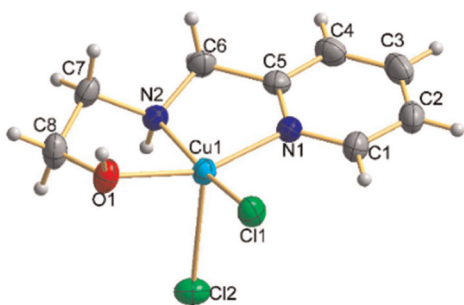
2961



Metal–atoxaquone complexes with antiplasmodial activity: chemical reactivity and structure–activity relationships

Luana Daniel, Chris Hebert J. Franco, Adrielle Sacramento de Morais, Arquimedes Karam, Marcelo Cecconi Portes, Milena Barros Silva, Cristiane Barata-Silva, Lisia Maria Gobbo dos Santos, Joel Mosnier, Isabelle Fonta, Ana Maria Da Costa Ferreira, Bruno Pradines, Diogo Rodrigo M. Moreira* and Maribel Navarro*

2976



Mechanistic investigation of the denitrosylation activity of a water-soluble copper(II) compound probed by experimental and computational approaches

Bruna B. Segat, Adolfo Horn, Jr., Bruno Szpoganicz, Lino Meurer, Roberta Cargnelutti, Rodrigo Cervo, Luis Gabriel Wagner, Sreerag N. Moorkannur, Rajeev Prabhakar, Lucas C. Pinheiro, Siti Noriza Kamel, Sumeet Mahajan, Martin Feelisch and Christiane Fernandes*

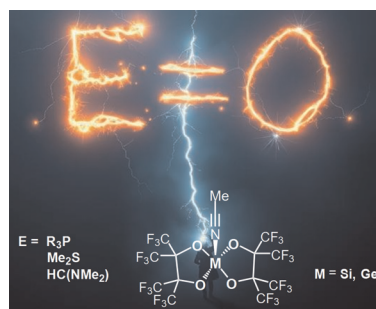


RESEARCH ARTICLES

2989

Lewis superacids for catalytic reductions of stronger element–oxygen double bonds with hydrosilanes

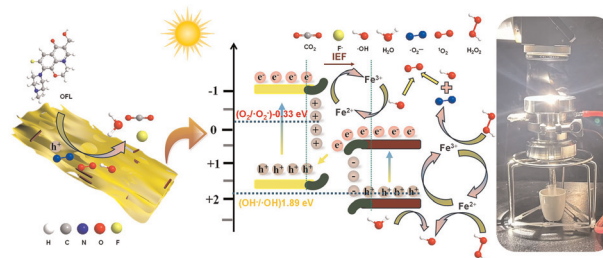
Daniel Franz, Thomas R. Frost, Sebastian Stigler and Shigeyoshi Inoue*



2999

Oxygen-free wastewater treatment system constructed using $FeWO_4@CN$ S-scheme heterojunction photocatalyst coupled with H_2O_2 activation

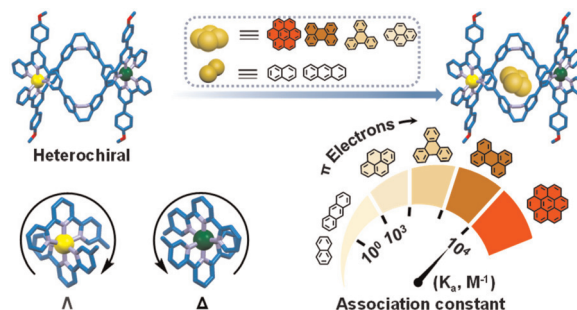
Weipeng Liu, Fengmei Yang, Yuanguo Xu,* Puyang Zhou, Yan Wang, Changkun Xia,* Yilin Deng, Guisheng Zhu and Meng Xie*



3016

Controllable self-assembly of a mesomeric metallo-organic helicate and its π -electron number dependent encapsulation of polycyclic aromatic hydrocarbons (PAHs)

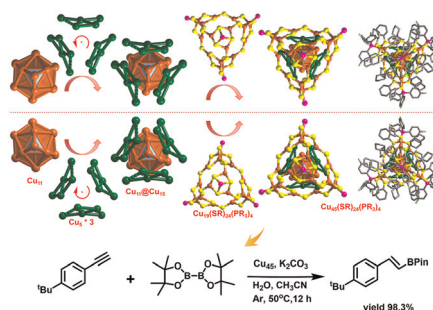
Huoqing Chen, Haoxuan Xu, Tun Wu,* Yuming Guan, Qingwu Long, Qixia Bai, Tian Li, Tian-Yu Liu, Pingshan Wang* and Zhe Zhang*



3026

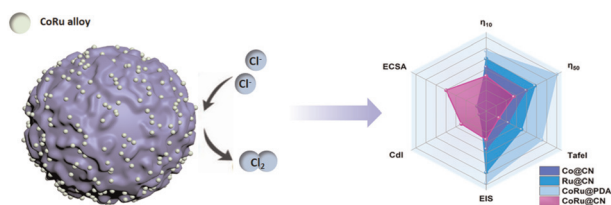
Core–shell $[Cu_{45}(C_6H_{11}S)_{24}(P(PhF)_3)_4H_{19}]^{2+}$ nanocluster: synthesis, structure and catalytic hydroboration

Hang Yu, Jianmei Jia, Tao Yang, Kai Chen, Shan Jin,* Lin Xiong* and Manzhou Zhu*



RESEARCH ARTICLES

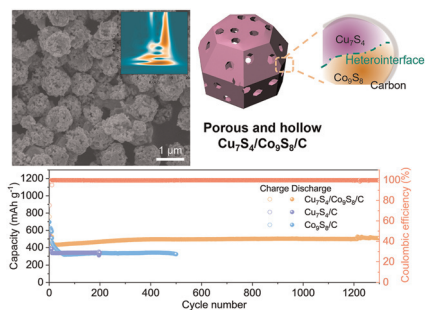
3037



A strain-modulated CoRu alloy supported on nitrogen-doped carbon nanospheres for defect-driven industrial chlorine evolution electrocatalysis

Bo Zhang, Qiqi Zhang, Ru Xiao, Xiaoxuan Min, Huiqi Jia, Kang Liu, Ying Deng,* Zhenyu Xiao* and Lei Wang*

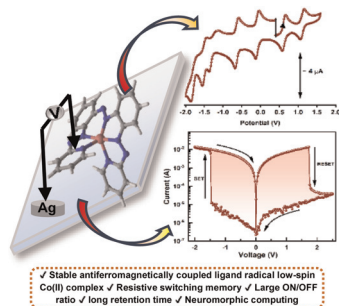
3050



Designing a binary sulfide/carbon polyhedron for secondary batteries with high electrochemical and thermal performances

Yongmei Hua, Fengming Ma, Jiaqi Gu, Huizi Songtian, Fan Zhou, Yang Lu, Xiang Fang, Lulu Mu, Xulai Yang, Yin Peng,* Jinjin Li,* Qiye Zheng* and Jinyun Liu*

3060



A tris-azo anion radical ligand-wrapped singlet Co(II) complex with multiple redox for an efficient molecular memristor towards neuromorphic computing

Swati Rani, Priya Kaith, Swayang Priya Mahanta, Muskan, Nisha Yadav, Avtar Changotra, Subhankar Bedanta, Prathapa Siritraya Jagannathae, Ashok Bera* and Subhas Samanta*

3070



Plural bonding interactions in Al(μ^2 -H)₂TM species

Tatyana S. Koptseva, Evgeny V. Baranov, Sergey Yu. Ketkov* and Igor L. Fedushkin*

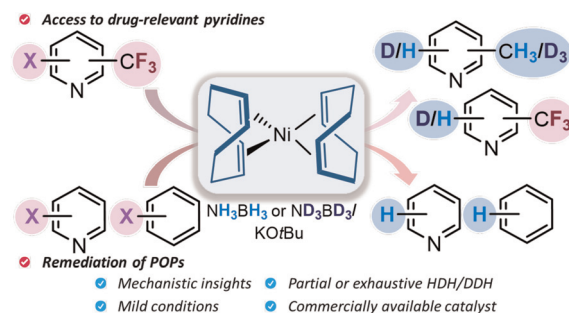


RESEARCH ARTICLES

3079

Bis(cyclooctadiene)nickel(0)-catalyzed exhaustive C(sp²)-X and C(sp³)-F hydrodehalogenation and deuterodefluorination of pyridines and arenes with a broad substrate scope

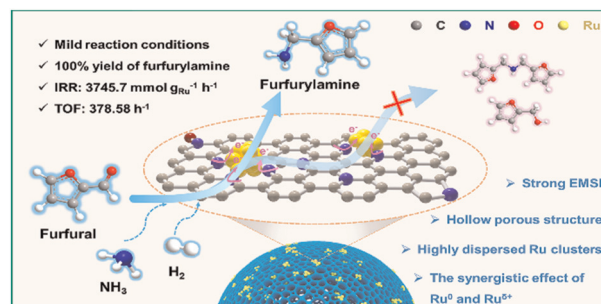
Himani Ahuja and Rebeca Arevalo*



3096

Highly dispersed Ru cluster-embedded nitrogen-doped hollow carbon spheres with tunable electronic properties for efficient catalytic reductive amination of biomass-derived furfural

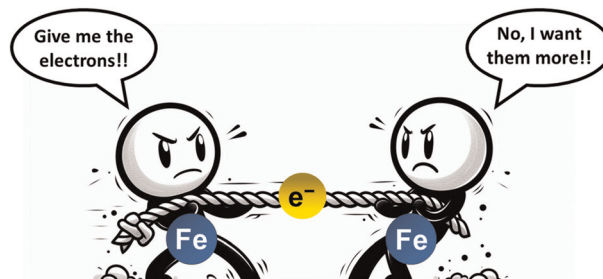
Jun Wu,* Gang Pan, Ming Jin, Jiahao Bai, Tailong Shi and Yong Li*



3112

Cationic polypnictogen complexes as building blocks for novel ferrocenes

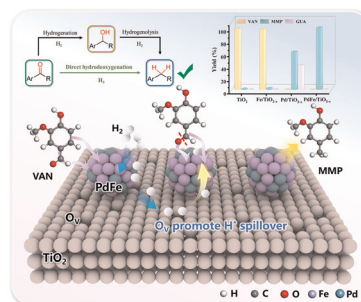
Maximilian Widmann, Zihan Zhang, Anja Rehse, Gábor Balázs, Alexey Y. Timoshkin, Karsten Meyer, Rainer Winter and Manfred Scheer*



3120

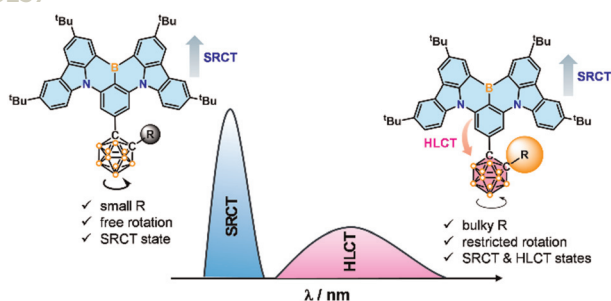
Oxygen vacancy-enhanced hydrogen spillover on a bifunctional PdFe/TiO_{2-x} catalyst for highly selective direct hydrodeoxygenation of carbonyl compounds

Chaofan Deng and Chun Cai*



RESEARCH ARTICLES

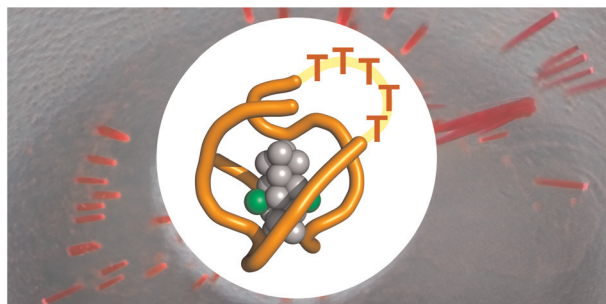
3137



Steric modulation of *o*-carborane enables tunable single and dual emission in multi-resonance TADF compounds

Young Hoon Lee, Rafi Muhammad Lutfi, Junseong Lee, Eunsung Lee, Jaehoon Jung* and Min Hyung Lee*

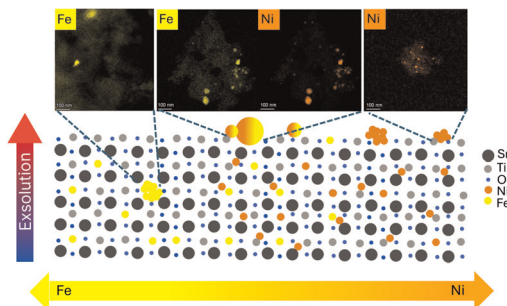
3149



Bridging the gap: thymine segments to create single-stranded versions of DNA₂-[Ag₁₆Cl₂]⁸⁺

Vanessa Rück,* Hiroki Kanazawa, Zhiyu Huang, Christian Brinch Mollerup, Leila Lo Leggio, Jiro Kondo* and Tom Vosch*

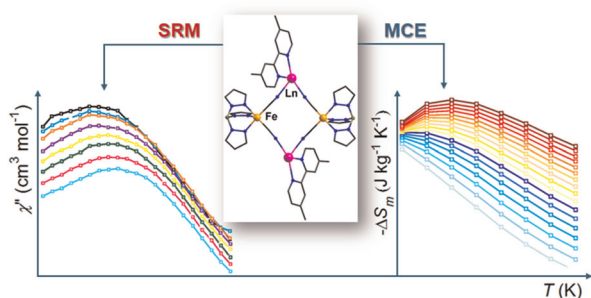
3154



Bimetallic Fe–Ni exsolution from A site deficient SrTiO₃: insight into the reciprocal role of metal active centers

Pietro Mariani, Jacopo Orsilli, Henk Stoffel, Simone Mascotto, Damiano Monticelli, Enrico Berretti, Alessandro Lavacchi, Luca Bignardi, Cinzia Cepek, Maria A. Goula, Nikolaos D. Charisiou, Angeliki I. Latsiou, Silvia Mostoni, Barbara Di Credico, Roberto Scotti and Massimiliano D'Arienzo*

3170



Cyano-bridged {Ln₂^{III}Fe₂^{III}} molecular squares (Ln = Gd, Tb, Dy, Ho, and Er): tuning the slow magnetic relaxation and magnetocaloric effects in zero-dimensional lanthanide Prussian blue analogues

Maria-Gabriela Alexandru, Diana Visinescu,* Sergiu Shova, Nicolas Moliner, Mario Pacheco, Miguel Julve and Francesc Lloret*



3186

Cycle contraction and symmetrisation in redox-active ligands: from alloxazine to isoimidazolonequinoxaline derivatives and their electrochemical and coordination studies

Jaison Casas, Shaban Raja Muhammad, David Pianca, Nolwenn Le Breton, Sylvie Choua, Nathalie Kyritsakas, Christophe Gourlaouen, Abdelaziz Jouaiti and Sylvie Ferlay*

