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pp. 659–681.

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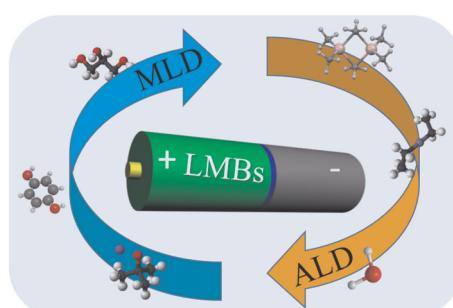
INORGANIC CHEMISTRY

FRONTIERS

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659 Interface engineering of lithium metal anodes via atomic and molecular layer deposition

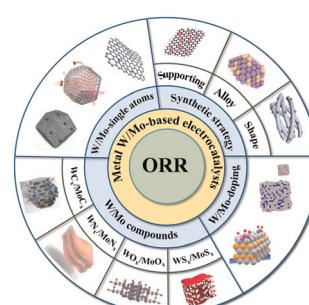
Xiangbo Meng



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Highly efficient tungsten/molybdenum-based electrocatalysts for the oxygen reduction reaction: a review

Guiru Sun, Xiaobin Liu,* Huimin Mao, Siqi Wu, Yanru Liu, Tianshi Wang, Jingqi Chi and Lei Wang*



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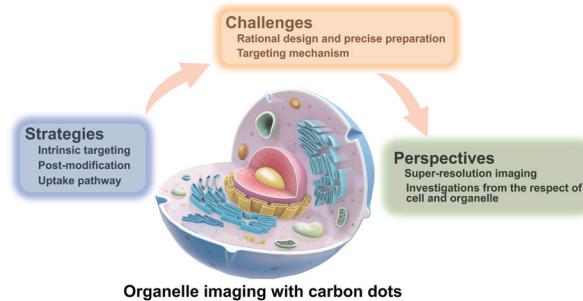
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REVIEWS

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Organelle imaging with carbon dots: strategies, challenges, and perspectives

Quanxing Mao, Yujie Meng, Yuhang Feng, Hui Li* and Tianyi Ma*

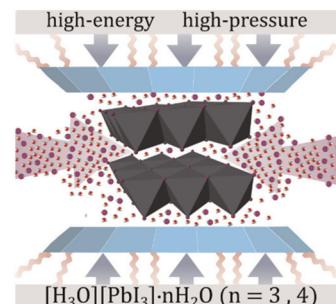


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High-pressure observation of elusive iodoplumbic acid in different hydronium-hydrate solid forms

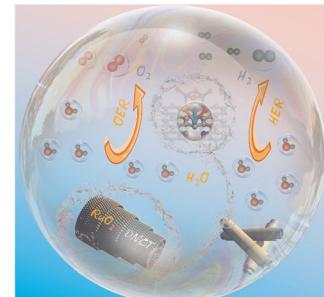
Szymon Sobczak, Athena M. Fidelli, Jean-Louis Do, George P. Demopoulos,* Audrey Moores,* Tomislav Friščić* and Andrzej Katrusiak*



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A co-axial structure composed of RuO₂ on defective N-doped carbon nanotubes as a highly efficient electrocatalyst for overall water splitting

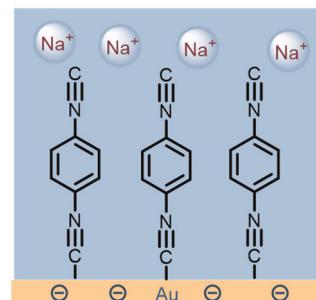
Wenqiang Li, Bowen Guo, Ka Zhang, Heng Zhang, Keqing Bu, Haipeng Chen and Xun Feng*



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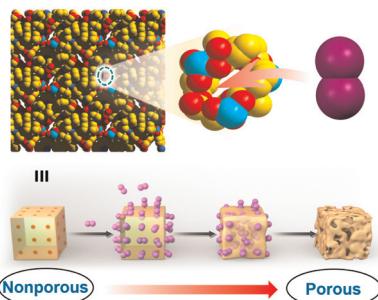
Understanding the effect of specific adsorption on the vibrational Stark effect of adsorbates on an electrode surface *via* surface enhanced spectroscopy

Kaiyue Zhao, Haocheng Xiong, Yuanhui Xiao, Haisheng Su, Deyin Wu, Xiaoxia Chang, Qi Lu* and Bingjun Xu*



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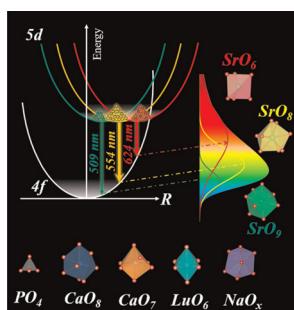
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High-Capacity Iodine Adsorption, and Nonporous to Porous Structural Transformation in an Originally Nonporous Coordination Polymer

Chu-Hong Zhang, Bing-Xun Zhou, Xian Lin, Jia-Xuan Wu, Liang-Hua Wu, Songliang Cai, Jun Fan, Wei-Guang Zhang,* Yong Yan* and Sheng-Run Zheng*

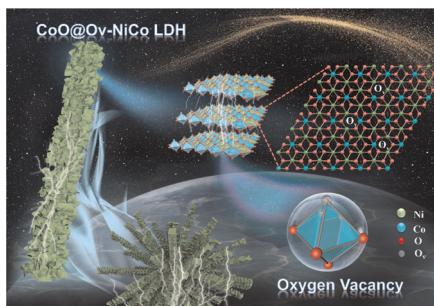
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Tuning Eu^{2+} luminescence in $\text{Sr}_8\text{CaLu}(\text{PO}_4)_7$ via Na^+ -induced local structure engineering for violet-chip-excitable full-spectrum lighting

Luan Yang, Fengluan You, Tao Pang, Xifeng Pan,* Shaoxiong Wang, Shilin Jin, Yongzheng Fang* and Daqin Chen*

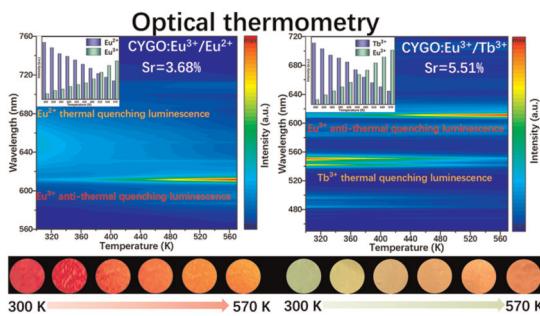
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In situ construction of core–shell structured cobalt oxide@nickel–cobalt-layered double hydroxide nanorods with abundant oxygen vacancies towards boosting electrochemical energy storage

Xiao-Man Cao, Di Liu, Zhi-Jia Sun* and Qingguo Zhang*

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Utilizing diametrically opposite thermal quenching luminescence to achieve highly sensitive temperature measurement and anti-counterfeiting

Haijie Guo, Yaqi Chen, Lei Wang,* Qiufeng Shi, Cai'e Cui, Ping Huang and Jianwei Qiao*

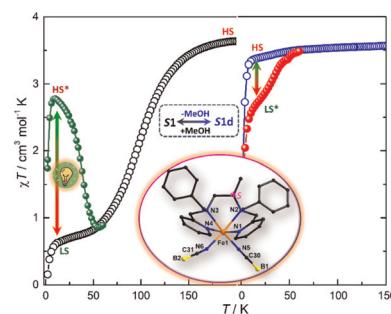


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Solvated/desolvated homochiral Fe(II) complexes showing distinct bidirectional photo-switching due to a hidden state

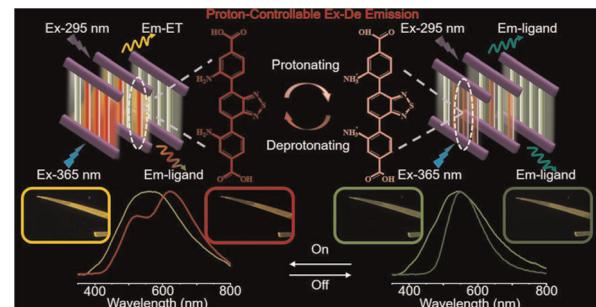
Xin-Hua Zhao, Yi-Fei Deng, Jia-Quan Huang, Min Liu and Yuan-Zhu Zhang*



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Proton-induced switching of excitation-wavelength-dependent emission based on mixed-ligand metal-organic frameworks

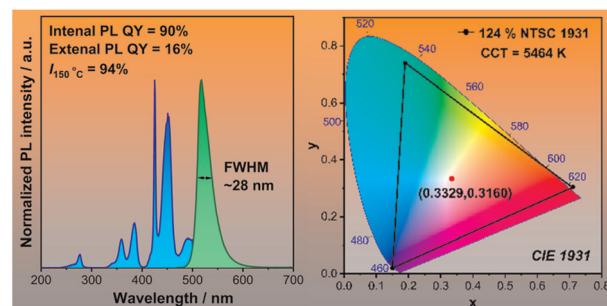
Yuanchao Lv,* Xue Yang, Zhile Xiong, Yunbin Li, Jiashuai Liang, Shengchang Xiang and Zhangjing Zhang*



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A highly Mn²⁺-doped narrowband green phosphor toward wide color-gamut display applications

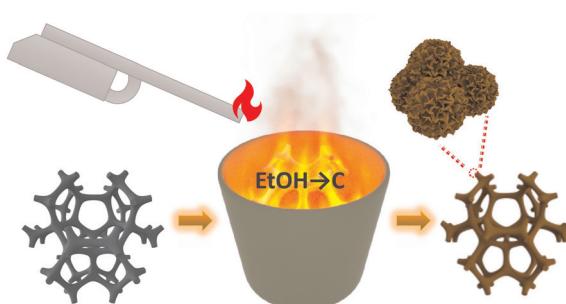
Chenyang Zhan, Haomiao Zhu,* Sisi Liang, Yingping Huang, Zihao Wang and Maochun Hong*



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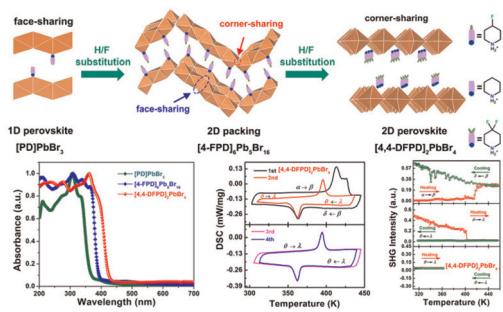
Ethanol combustion-assisted fast synthesis of tri-metal oxides with reduced graphene oxide for superior overall water splitting performance

Zehua Zou, Zhenan Zheng, Yingyu Chen, Yong Shao, Xuan Zheng, Chuan Zhao* and Qingxiang Wang*



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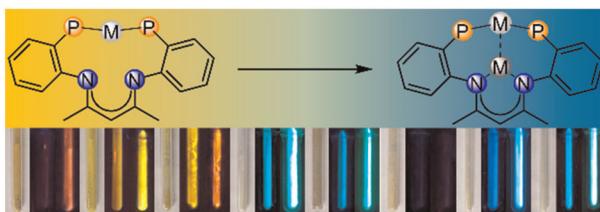
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H/F substitution activating tunable dimensions and dielectric–optical properties in organic lead-bromide hybrids

Lipeng Long, Ziwen Huang, Zhe-Kun Xu, Tian Gan, Yan Qin, Zhengwang Chen and Zhong-Xia Wang*

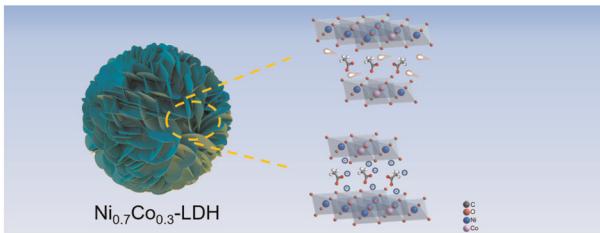
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Cooperativity in luminescent heterobimetallic diphosphine- β -diketiminate complexes

Frederic Krätschmer, Xiaofei Sun, David Frick, Christina Zovko, Wim Klopper and Peter W. Roesky*

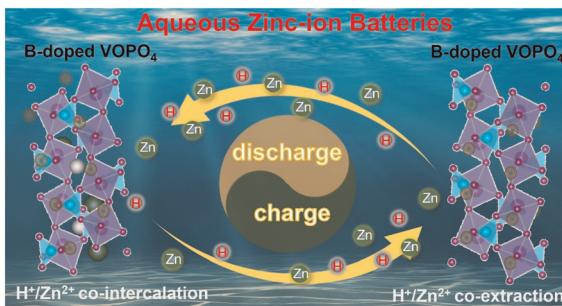
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Acetate ion-intercalated NiCo-LDH with quasi-theoretical capacitance for high energy/power density aqueous supercapacitors

Guanwen Wang, Yu Meng, Chunlei Chi and Zheng Liu*

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A B-doped layered $\text{VOPO}_4 \cdot 2\text{H}_2\text{O}$ cathode for high-performance zinc-ion batteries with an $\text{H}^+/\text{Zn}^{2+}$ co-insertion mechanism

Jingjing Yuan,* Yifan Qiao, Yifan Li, Yuchen Lu, Junjie He, Yongqi Ge, Guangyu He and Haiqun Chen*

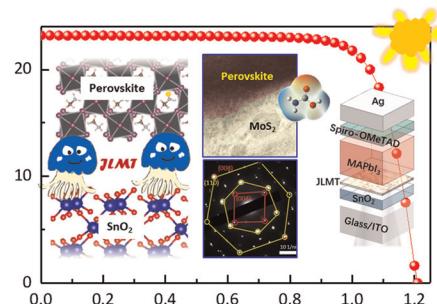


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Manipulating the crystallization and interfacial charge behavior with a jellyfish-like molecular template for efficient perovskite solar cells

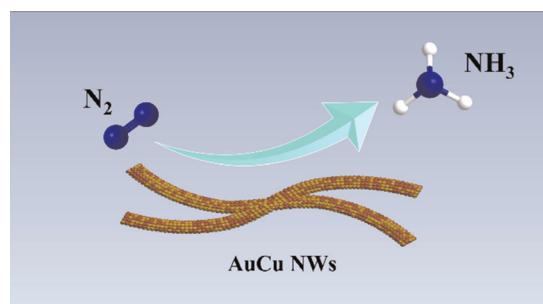
Haoyan Wang, Chenyu Zhao, Lin Fan, Maobin Wei, Huilian Liu, Xiaoyan Liu, Jinghai Yang,* Fengyou Wang* and Lili Yang*



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Ultrafine AuCu nanowires for electrocatalytic nitrogen fixation

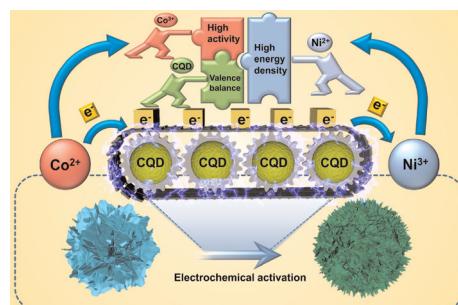
Hongjing Wang, Lin Cui, Songliang Liu, Hongjie Yu, Kai Deng, You Xu, Xiaonian Li, Ziqiang Wang* and Liang Wang*



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Carbon quantum dot regulated electrochemical activation of $\text{Co}_{0.03}\text{Ni}_{0.97}\text{LDH}$ for energy storage

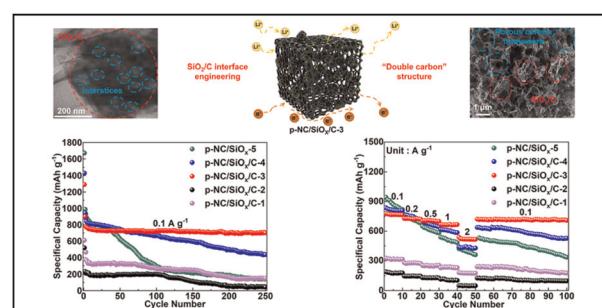
Wenchao Chen, Hongying Quan,* Xiangyu Chen, Hua Wang and Dezhi Chen*



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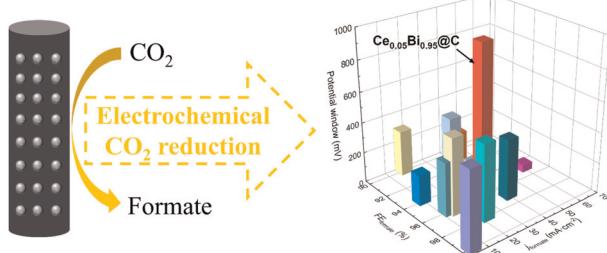
Encapsulating biomass-derived SiO_x with internal conductive channels in nitrogen-doped flexible carbon cages for high performance Li ion-battery anodes

Xiangzhong Kong,* Ziyang Xi, Yingjie Jiang, Shi Li, Xi Chen, Jing Zhang, Zhongmin Wan* and Anqiang Pan*



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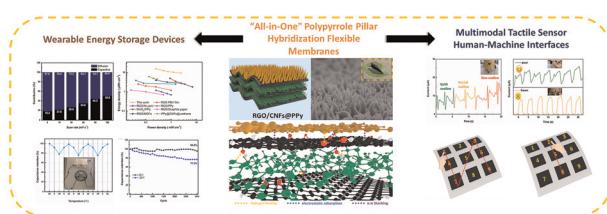
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Optimizing Bi active sites by Ce doping for boosting formate production in a wide potential window

Yi-Cheng Wang, Peng-Fei Sui, Chenyu Xu, Meng-Nan Zhu, Renfei Feng, Hongtao Ma, Hongbo Zeng, Xiaolei Wang* and Jing-Li Luo*

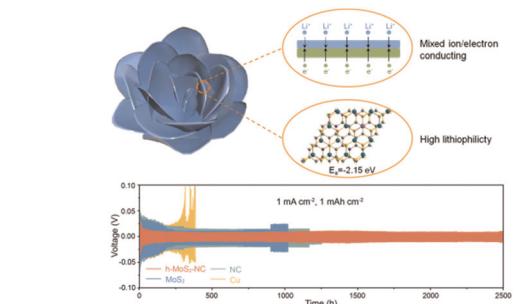
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“All-in-one” polypyrrole pillar hybridization flexible membranes on multimodal tactile sensors for wearable energy-storage devices and human–machine interfaces

Jing Wei, Youchao Teng, Lian Han, Jiawei Ge, Zhilei Zhang, Yongzan Zhou, Changyan Xu,* Dagang Li,* Kam C. Tam* and Yimin A. Wu*

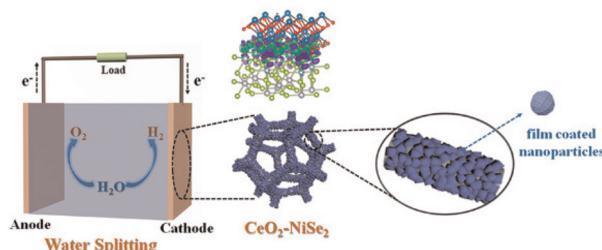
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“Three in one” 3D mixed skeleton design enables dendrite-free Li metal batteries

Wan-Yue Diao, Dan Xie,* Ying-Yu Wang, Fang-Yu Tao, Chang Liu, Xing-Long Wu, Wen-Liang Li* and Jing-Ping Zhang*

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A bifunctional electrocatalyst based on interfacial engineering of CeO₂ and NiSe₂ for boosting electrocatalytic water splitting

Xueying Wang, Yunong Qin, Xin Peng, Ling Li,* Qiancheng Zhu and Wenming Zhang*

