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Cover See Ming Chen et al., pp. 18603–18612.

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EDITORIAL

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Editor's Choice collection: photon upconversion

Xiaogang Liu

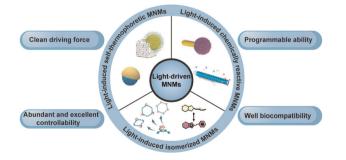


REVIEW

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Light-driven micro/nanomotors in biomedical applications

Xuejiao Zeng, Mingzhu Yang, Hua Liu, Zhenzhong Zhang, Yurong Hu,* Jinjin Shi* and Zhi-Hao Wang*



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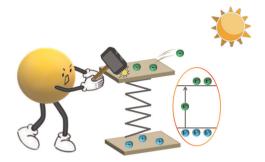


MINIREVIEW

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Review of Bi-based catalysts in piezocatalytic, photocatalytic and piezo-photocatalytic degradation of organic pollutants

Ying Cheng, Yubo Zhang, Zhaobo Wang, Rui Guo,* Junhua You and Hangzhou Zhang*

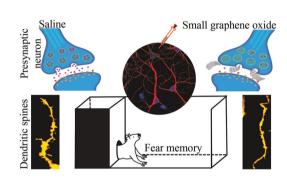


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Delivery of graphene oxide nanosheets modulates glutamate release and normalizes amygdala synaptic plasticity to improve anxiety-related behavior

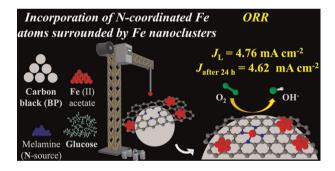
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Rui S. Ribeiro,* Marc Florent, Juan J. Delgado, M. Fernando R. Pereira and Teresa J. Bandosz*

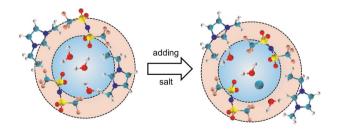


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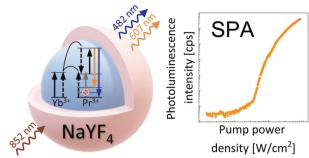
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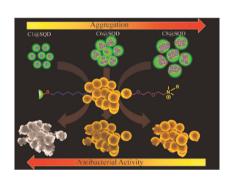
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Magdalena Dudek,* Zuzanna Korczak, Katarzyna Prorok, Oleksii Bezkrovnyi, Lining Sun, Marcin Szalkowski and Artur Bednarkiewicz*

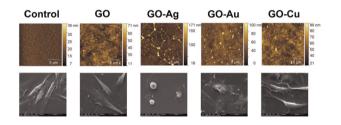
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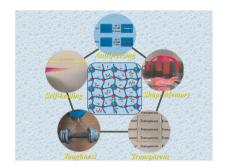
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Saurabh Khuje, Abdullah Islam, Jian Yu* and Shengiang Ren*

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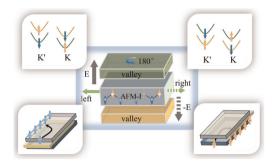
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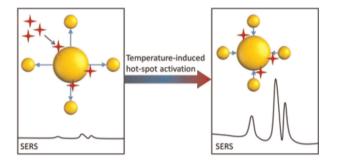
Xikui Ma, Yingcai Fan, Weifeng Li, Yangyang Li, Xiangdong Liu, Xian Zhao* and Mingwen Zhao*



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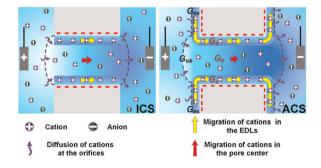
Sophie Jancke, Chen Liu, Ruosong Wang, Swagato Sarkar, Quinn A. Besford, Tobias A. F. König, Jürgen Popp, Dana Cialla-May and Christian Rossner*



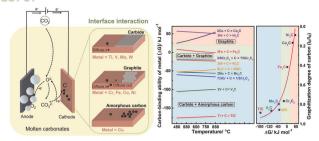
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Long Ma, Zhe Liu, Jia Man, Jianyong Li, Zuzanna S. Siwy and Yinghua Qiu*



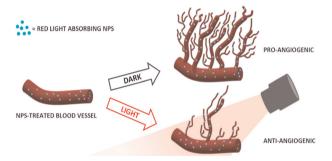
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Rui Yu, Kaifa Du,* Bowen Deng, Huayi Yin and Dihua Wana*

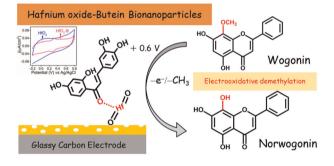
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Vinoth Krishnan, Moghitha Parandhaman, Ramya Kanagaraj and Murugan Veerapandian*

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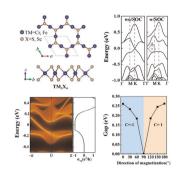
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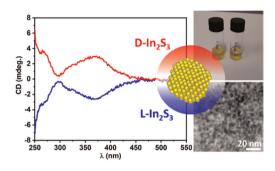
Huijie Lian, Xiaokang Xu, Ying Han, Jie Li, Wengi Zhou, Xiaojing Yao,* Jinlian Lu* and Xiuyun Zhang*



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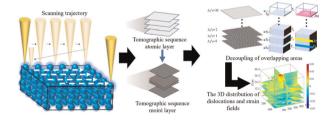
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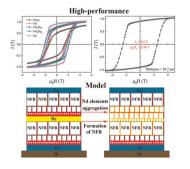
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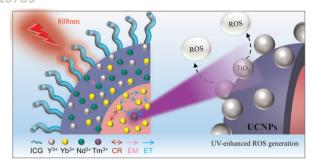
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Simultaneous enhancement of coercivity and saturation magnetization in high-performance anisotropic NdFeB thick films with a Dy diffusion layer

Zhixing Ye, Xiaotian Zhao,* Long Liu, Wei Liu,* Jinghui Wang, JinXiang Wu, Yang Li, Jun Ma, Hongzhan Ju and Zhidong Zhang



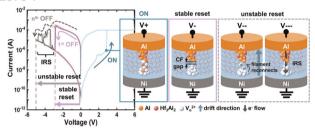
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Near-infrared light responsive intensified multiphoton ultraviolet upconversion in nanostructures towards efficient reactive oxygen species generation

Shan Yang, Songbin Liu,* Yuxuan Qiu, Yu Liao, Ze Zhang, Di Wu and Xinyu Ye*

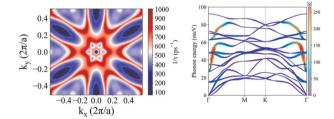
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A non-invasive approach to the resistive switching physical model of ultra-thin organic—inorganic dielectric-based ReRAMs

Alba Martinez, Byung Jin Cho* and Min Ju Kim*

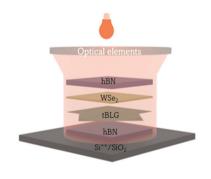
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The carrier mobility and superconducting properties of monolayer oxygen-terminated functionalized MXene Ti₂CO₂

Reza Shayanfar, Mohammad Alidoosti, Davoud Nasr Esfahani and Mahdi Pourfath*

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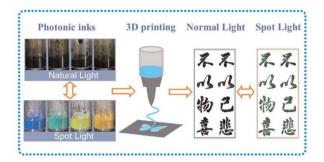
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3D printing of non-iridescent structural color inks for optical anti-counterfeiting

Qilin Guo, Xiuli Wang, Jia Guo and Changchun Wang*



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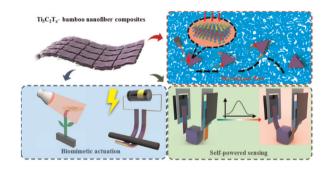
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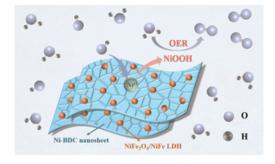
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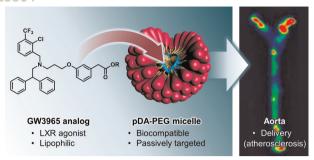
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Accelerating structure reconstruction to form NiOOH in metal-organic frameworks (MOFs) for boosting the oxygen evolution reaction

Ruiyao Hou, Xiaoxia Yang, Linghui Su, Wanglai Cen, Lin Ye and Dengrong Sun*



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Targeted delivery of LXR-agonists to atherosclerotic lesions mediated by polydiacetylene micelles

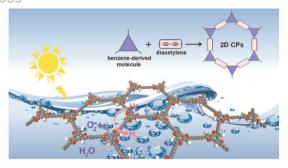
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High T_{hold} Long t_{hold} Low T_{hold} Short t_{hold}

CVD of MoS₂ single layer flakes using Na₂MoO₄ – impact of oxygen and temperature–time-profile

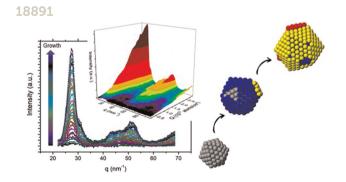
Romana Alice Kalt, Andrea Arcifa, Christian Wäckerlin and Andreas Stemmer*

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Tunable covalent benzo-heterocyclic rings constructed using two-dimensional conjugated polymers for visible-light-driven water splitting

Cong Wang, Ying-Nan Zhao, Zhong-Ling Lang,* Yang-Guang Li, Zhong-Min Su and Hua-Qiao Tan*



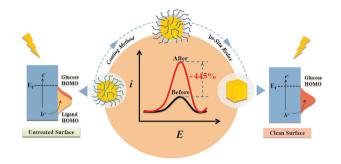
Sudden collective atomic rearrangements trigger the growth of defect-free silver icosahedra

Diana Nelli, Cesare Roncaglia, Riccardo Ferrando,* Zeinab Kataya, Yves Garreau, Alessandro Coati, Caroline Andreazza-Vignolle and Pascal Andreazza*

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Boosting plasmon-enhanced electrochemistry by in situ surface cleaning of plasmonic nanocatalysts

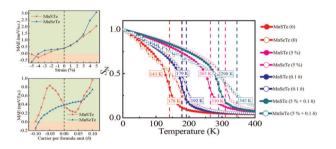
Yu Wang, Xueqing Sang, Fengxia Wu, Yuanhao Pang, Guobao Xu, Yali Yuan,* Hsien-Yi Hsu and Wenxin Niu*



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High spin polarization, large perpendicular magnetic anisotropy and room-temperature ferromagnetism by biaxial strain and carrier doping in Janus MnSeTe and MnSTe

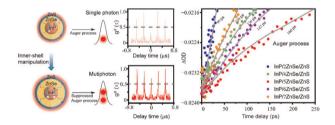
Long Zhang, Yan Zhao, Yuqi Liu and Guoying Gao*



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Suppressed Auger recombination and enhanced emission of InP/ZnSe/ZnS quantum dots through inner shell manipulation

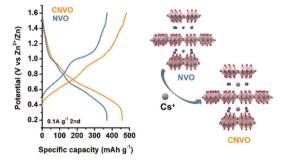
Yaru Chen, Rixin Wang, Yanmin Kuang,* Yangyang Bian, Fei Chen, Huaibin Shen, Zhen Chi, Xia Ran and Lijun Guo*



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Cesium-doped ammonium vanadium bronze nanosheets as high capacity aqueous zinc-ion battery cathodes with long cycle life and superb rate capability

Xinyu Lei, Hao Du, Haiyang Li, Meng Zhang,* Hanlu Zhang, Yiliang Jin and Jiarui Zhang



EXPRESSION OF CONCERN

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Expression of concern: Versatile plasmonic-effects at the interface of inverted perovskite solar cells

Ahmed Esmail Shalan, Tomoya Oshikiri, Hiroki Sawayanagi, Keisuke Nakamura, Kosei Ueno, Quan Sun, Hui-Ping Wu, Eric Wei-Guang Diau* and Hiroaki Misawa*

CORRECTIONS

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Correction: Integrated 4-terminal single-contact nanoelectromechanical relays implemented in a silicon-on-insulator foundry process

Yingying Li, Elliott Worsey, Simon J. Bleiker, Pierre Edinger, Mukesh Kumar Kulsreshath, Qi Tang, Alain Yuji Takabayashi, Niels Quack, Peter Verheyen, Wim Bogaerts, Kristinn B. Gylfason, Dinesh Pamunuwa* and Frank Niklaus*

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Correction: Ferromagnetic and half-metallic phase transition by doping in a one-dimensional narrow-bandgap W₆PCl₁₇ semiconductor

Yusen Qiao and Huabing Yin*