

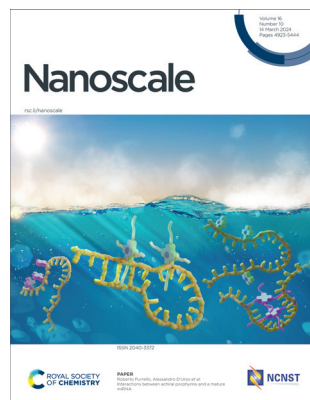
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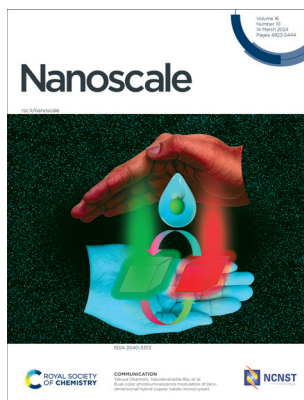
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Cover

See Roberto Purrello, Alessandro D'Urso *et al.*, pp. 5137–5148.

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See Takuya Okamoto, Vasudevanpillai Biju *et al.*, pp. 5107–5114.

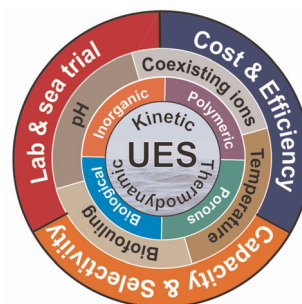
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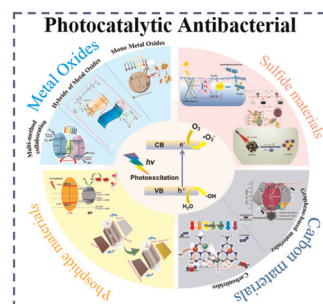
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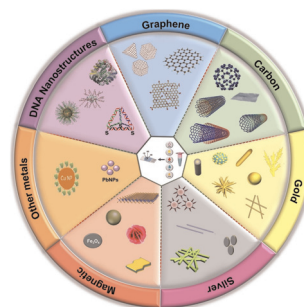
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Elemental answers**

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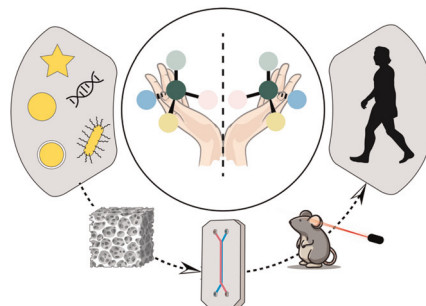
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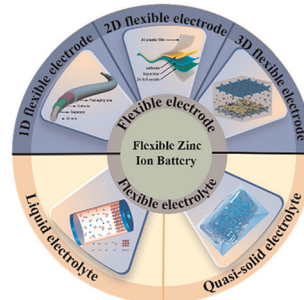
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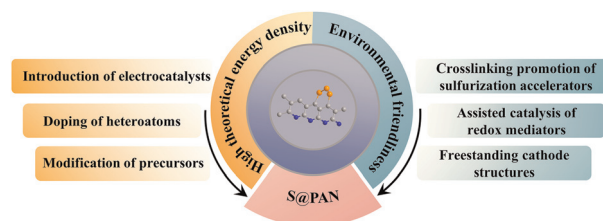
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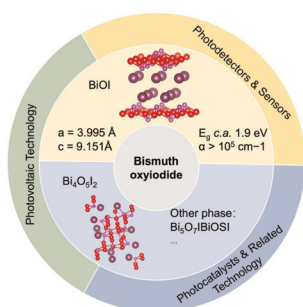
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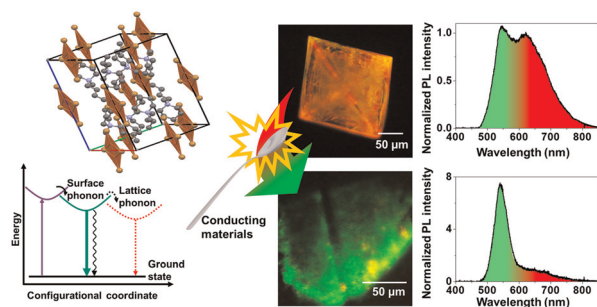


Potential application of bismuth oxyiodide (BiOI) when it meets light

Zaichun Sun and Tahta Amrillah*

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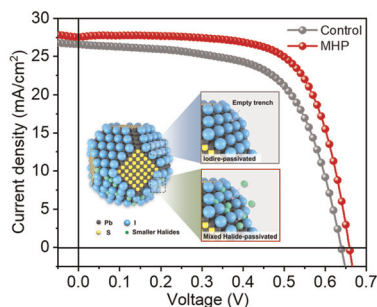
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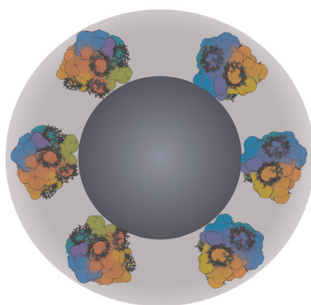
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In situ synergistic halogen passivation of semiconducting PbS quantum dot inks for efficient photovoltaics

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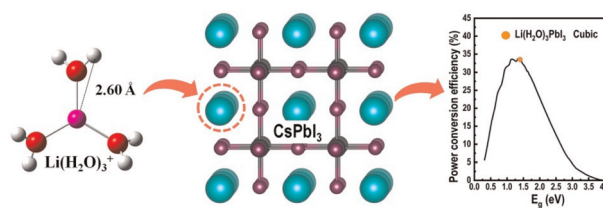


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Superalkali halide perovskites with suitable direct band gaps for photovoltaic applications

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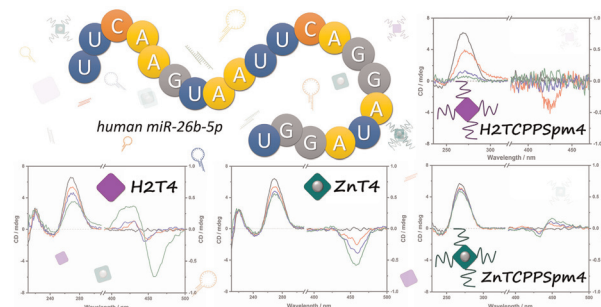


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Interactions between achiral porphyrins and a mature miRNA

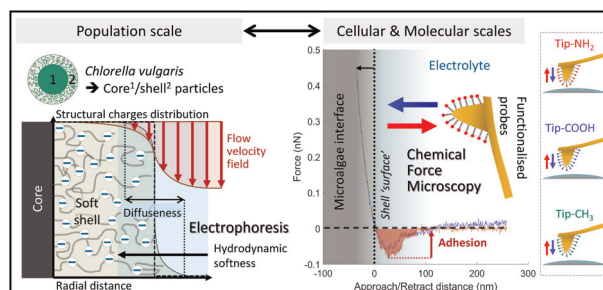
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Physicochemical surface properties of *Chlorella vulgaris*: a multiscale assessment, from electrokinetic and proton uptake descriptors to intermolecular adhesion forces

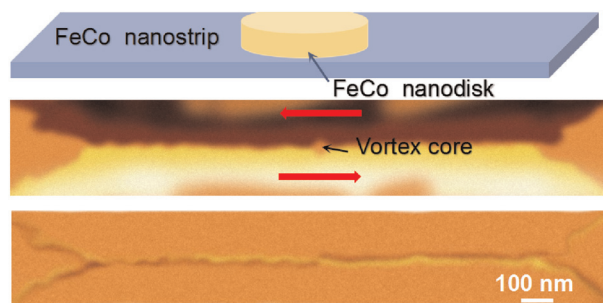
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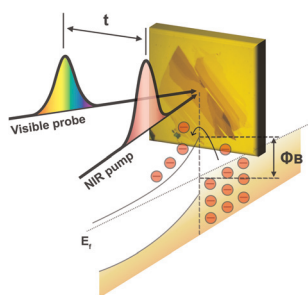
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High-resolution imaging of 3D stray-field components with a Fe_3O_4 nanoparticle sensor

Yan Qi, Yihong Kan and Zhenghua Li*



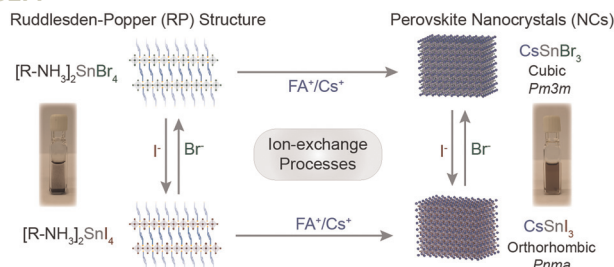
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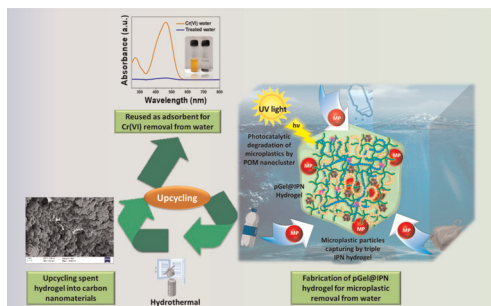
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Structural and optical control through anion and cation exchange processes for Sn-halide perovskite nanostructures

Kushagra Gahlot, Julius Meijer and Loredana Protesescu*

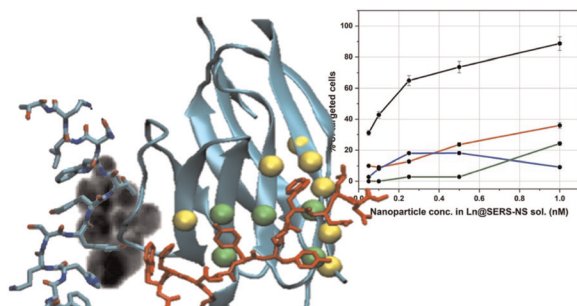
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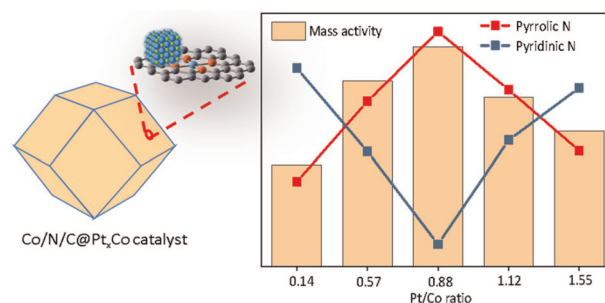


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Unraveling a volcanic relationship of Co/N/C@Pt_xCo catalysts toward oxygen electro-reduction

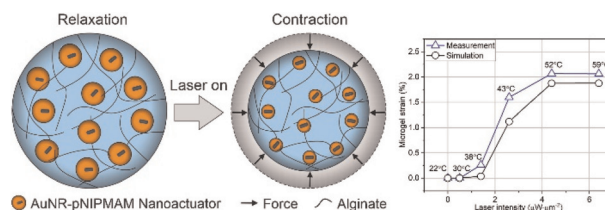
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A multiscale approach to assess thermomechanical performance and force generation in nanorobotic microgels

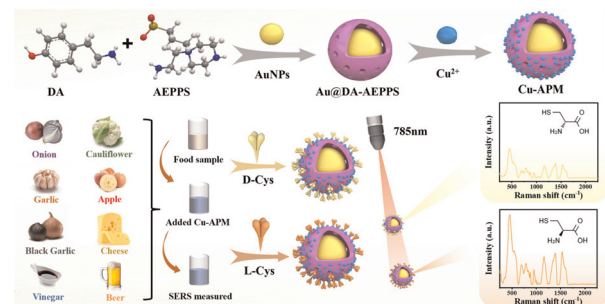
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Metal-assisted core-shell plasmonic nanoparticles for small molecule biothiol analysis and enantioselective recognition

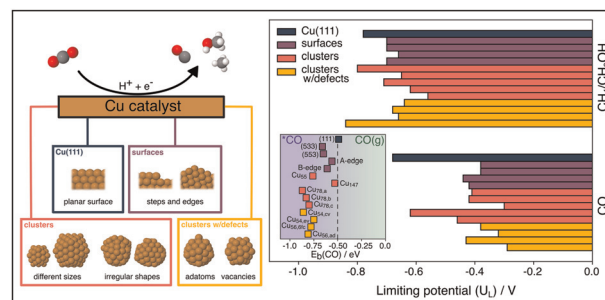
Meihuang Zeng, Linmin Chen, Xiaocong Hou, Jingwen Jin, Qihong Yao, Tingxiu Ye, Zhiyong Guo,* Xiaomei Chen* and Xi Chen*



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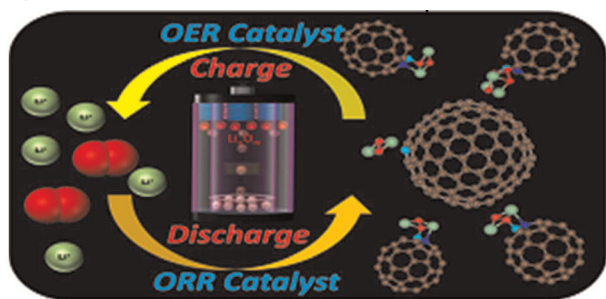
Calculations of the effect of catalyst size and structure on the electrocatalytic reduction of CO₂ on Cu nanoclusters

Geoffrey R. Weal, Kristinn Ingi Guðmundsson, Frank D. Mackenzie, John R. Whiting, Nicholas B. Smith, Egill Skúlason and Anna L. Garden*



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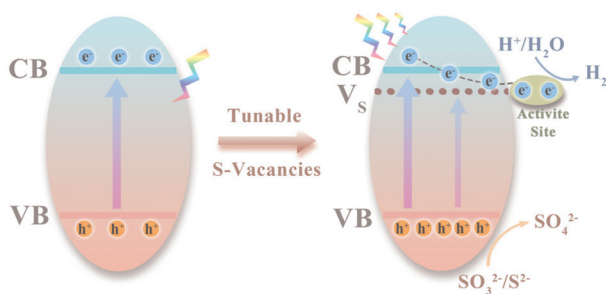
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Localized charge-induced ORR/OER activity in doped fullerenes for Li-air battery applications

Nishchal Bharadwaj and Biswarup Pathak*

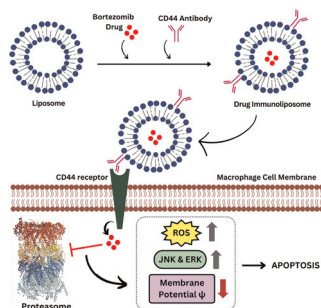
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Facile synthesis of $\text{Zn}_{0.5}\text{Cd}_{0.5}\text{S}$ nanosheets with tunable S vacancies for highly efficient photocatalytic hydrogen evolution

Linfen Yang, Yuhua Wang* and Yong Peng*

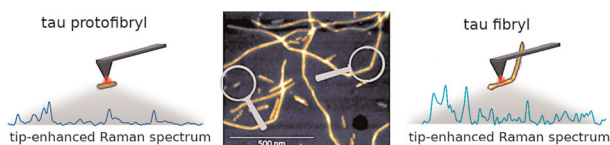
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Bortezomib-loaded immunoliposomes against CD44 expressing macrophages: an interplay for inflammation resolution

Simran Nasra, Haly Shukla, Milonee Patel and Ashutosh Kumar*

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Kamila Sofińska,* Sara Seweryn, Katarzyna Skirlińska-Nosek, Jakub Barbasz and Ewelina Lipiec*

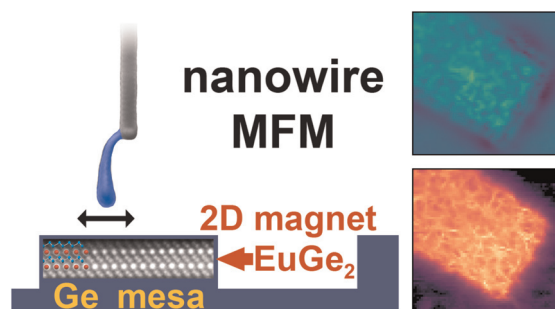


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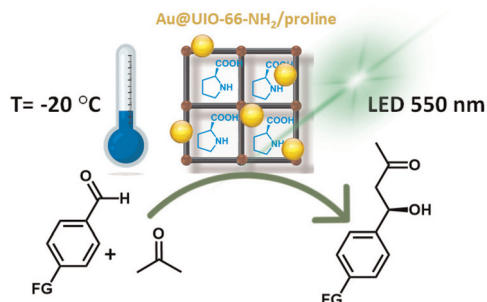
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Merging gold plasmonic nanoparticles and L-proline inside a MOF for plasmon-induced visible light chiral organocatalysis at low temperature

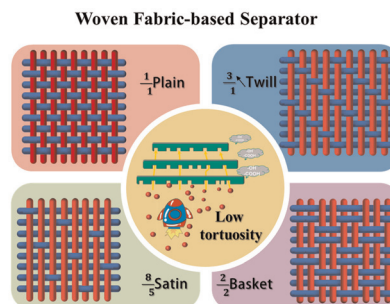
A. Kushnarenko, A. Zabelina, O. Guselnikova, E. Miliutina, B. Vokatá, D. Zabelin, V. Burtsev, R. Valiev, Z. Kolska, M. Paidar, V. Sykora, P. Postnikov,* V. Svorcik and O. Lyutakov*



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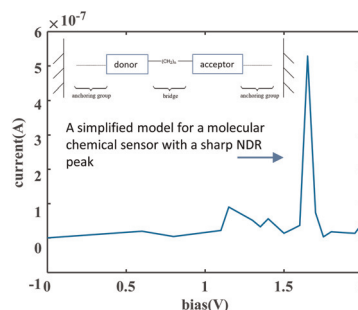
Tianyun Zhang,* Lirong Zhang, Fujuan Wang, Yanci Wang, Tian Zhang and Fen Ran*



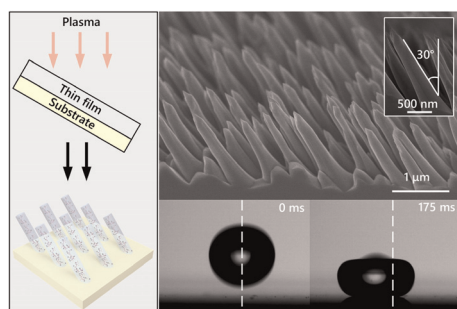
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A computational model for a molecular chemical sensor

Mengxuan Li, Clotilde S. Cucinotta and Andrew P. Horsfield*



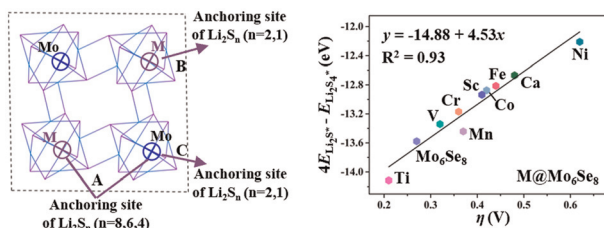
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Oriented bouncing of droplets with a small Weber number on inclined one-dimensional nanoforests

Mao Li, Qiming Guo, Jing Wen, Fei Zhan, Meng Shi, Na Zhou, Chengjun Huang, Lei Wang* and Haiyang Mao*

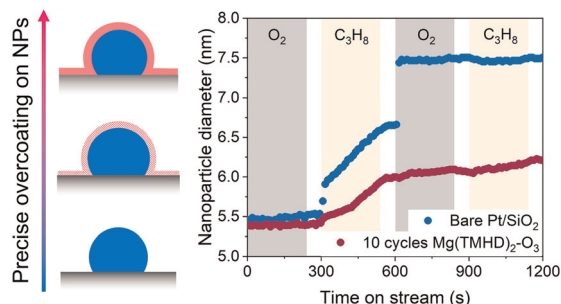
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A doping strategy to regulate the adsorption energy of Li_2S_4 and Li_2S to promote sulfur reduction on Chevrel phase Mo_6Se_8 in lithium–sulfur batteries

Tengfei Duan, Dong Fan, Zhongyun Ma* and Yong Pei*

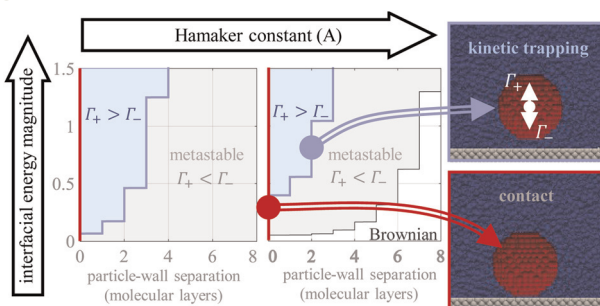
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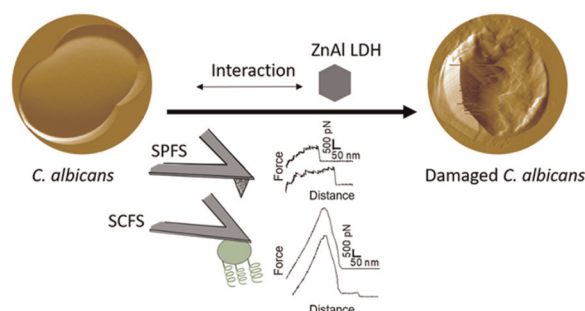


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Understanding the nanoscale adhesion forces between the fungal pathogen *Candida albicans* and antimicrobial zinc-based layered double hydroxides using single-cell and single-particle force spectroscopy

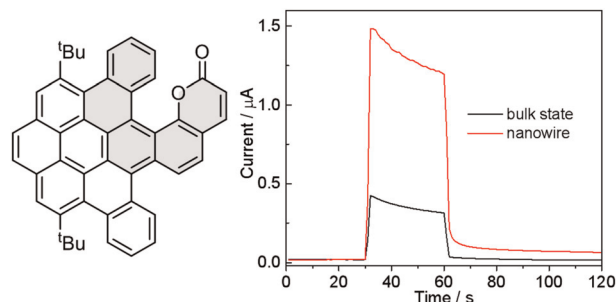
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Coumarin-embedded [5]helicene derivatives: synthesis, X-ray analysis and photoconducting properties

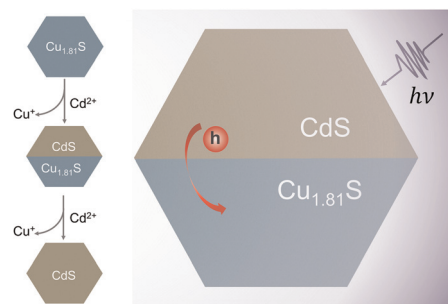
Hui Yang, Guofeng Chen,* Ran Zhang, Yanjie Zhu and Jinchong Xiao*



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Visible light-induced hole transfer in single-nanoplate Cu_{1.81}S–CdS heterostructures

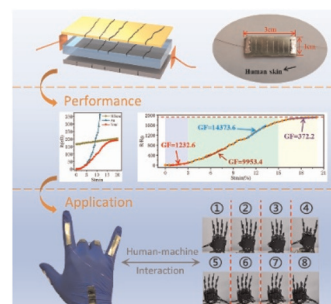
Chang Wang, Zhaozhe Chen, Si Xiao* and Jun He*



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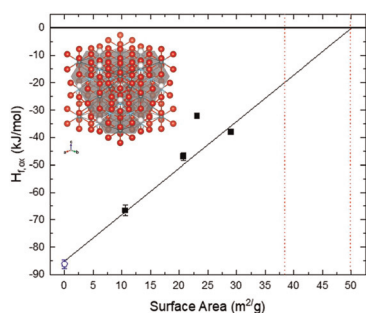
A double-crack structure for bionic wearable strain sensors with ultra-high sensitivity and a wide sensing range

Di Zhu, Shengshun Duan, Jiachen Liu, Shanyan Diao, Jianlong Hong, Shengxin Xiang, Xiao Wei, Peng Xiao, Jun Xia, Wei Lei, Baoping Wang, Qiongfang Shi and Jun Wu*



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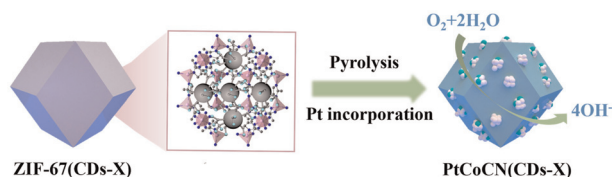
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Surface thermodynamics of yttrium titanate pyrochlore nanomaterials

Margaret E. Reece, Jiahong Li, Andrew C. Strzelecki, Juan Wen, Qiang Zhang and Xiaofeng Guo*

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Low platinum loading electrocatalyst supported on a carrier derived from carbon dots doped ZIF-67 for the ORR and zinc–air batteries

Lijing Yang, Junhong Ma,* Yuemei Liu, Chaoyun Ma,* Xue Yu and Zhaohui Chen

EXPRESSION OF CONCERN

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Expression of concern: Intelligent nanoflowers: a full tumor microenvironment-responsive multimodal cancer theranostic nanoplatform

Xunan Jing, Yanzi Xu, Daomeng Liu, Youshen Wu, Na Zhou, Daquan Wang, Kai Yan and Lingjie Meng*

CORRECTION

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Correction: pH-Responsive fluorescent graphene quantum dots for fluorescence-guided cancer surgery and diagnosis

Zetan Fan, Shixin Zhou, Cesar Garcia, Louzhen Fan* and Jiangbing Zhou*

