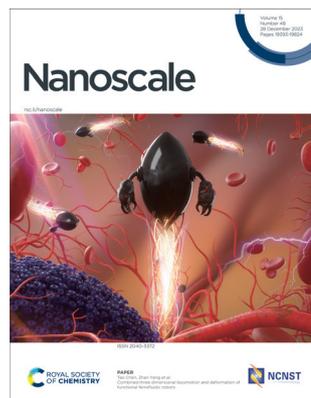


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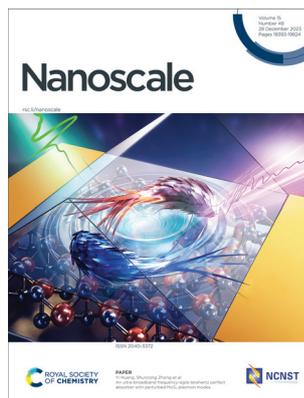
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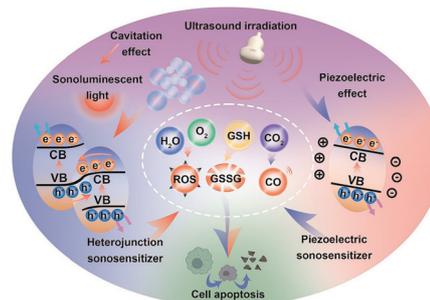
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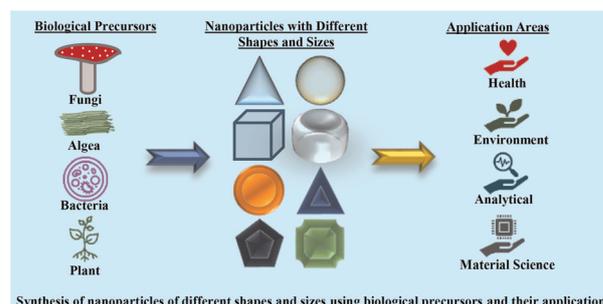
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Synthesis of nanoparticles of different shapes and sizes using biological precursors and their applications



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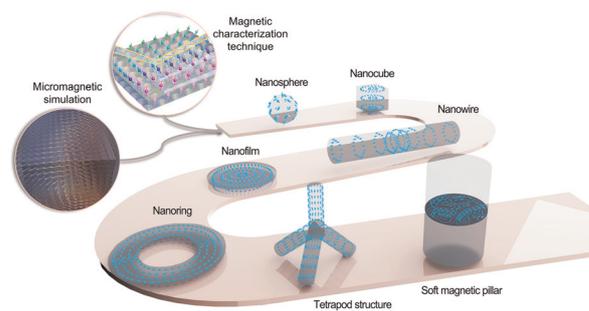


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Xin Li, Zhaolian Wang, Zhongyun Lei, Wei Ding, Xiao Shi, Jujian Yan and Jianguang Ku\*

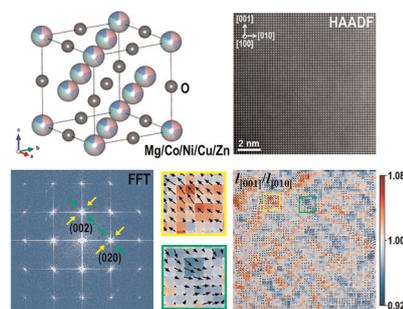


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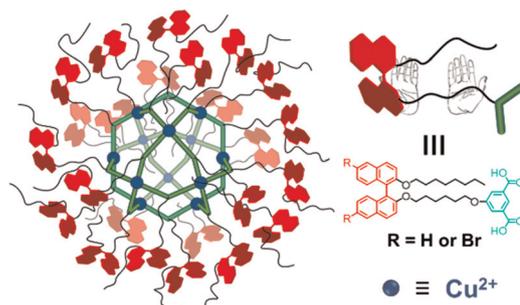
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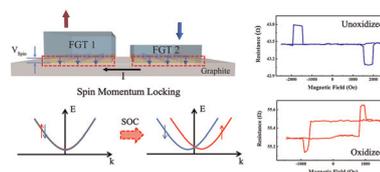
Cheng Huang, Jiajia Li, Xinyuan Zhu and Youfu Wang\*



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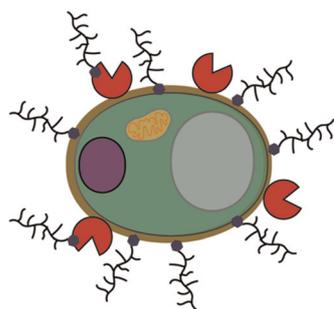
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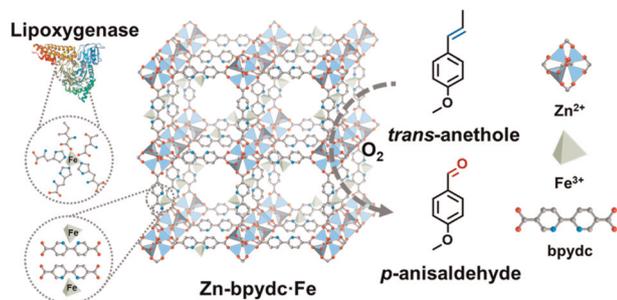
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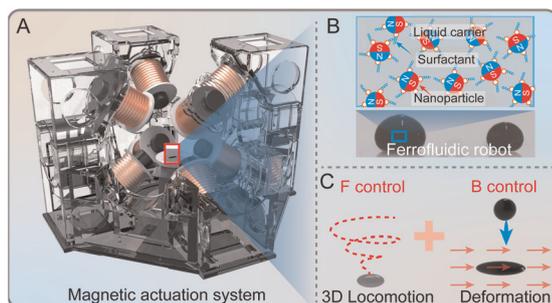


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Jun Xiong, Xin Yuan, Min-Hua Zong, Xiaoling Wu\* and Wen-Yong Lou\*

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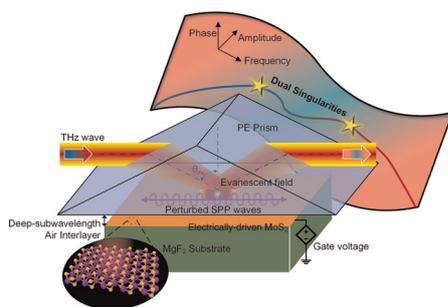
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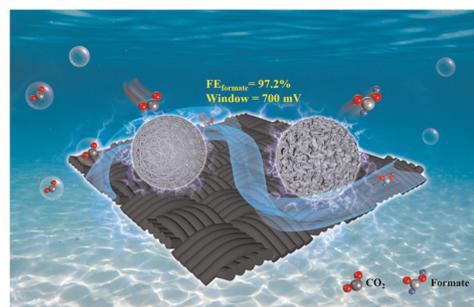


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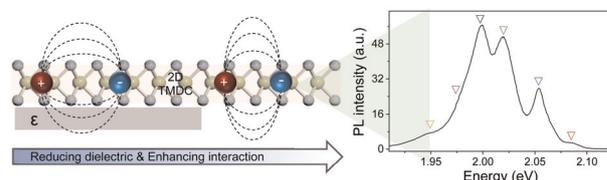
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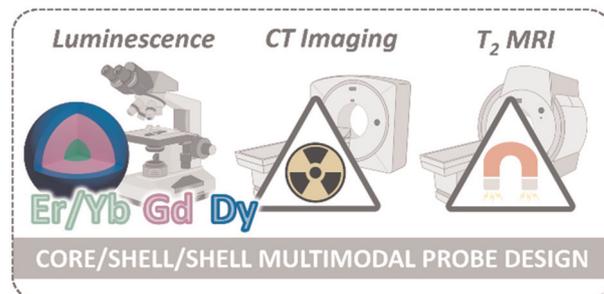
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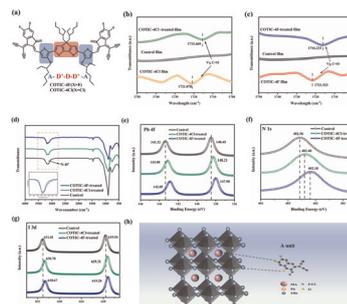
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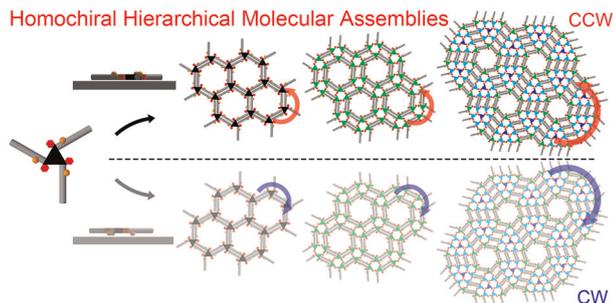
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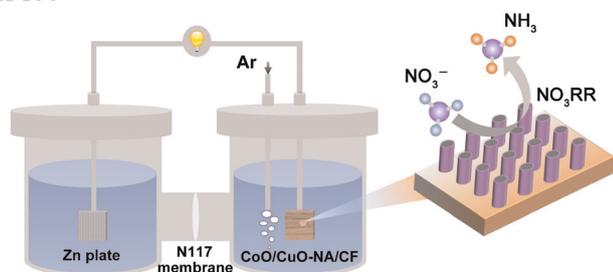
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## Homochiral hierarchical molecular assemblies through dynamic combination of conformational states of a single chiral building block at the liquid/solid interface

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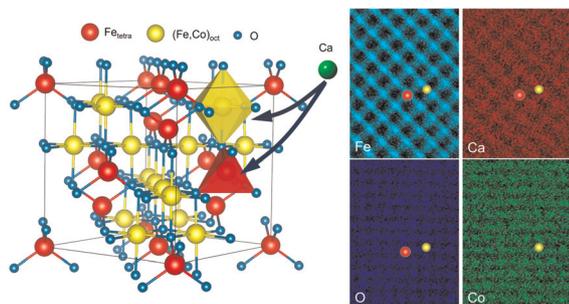
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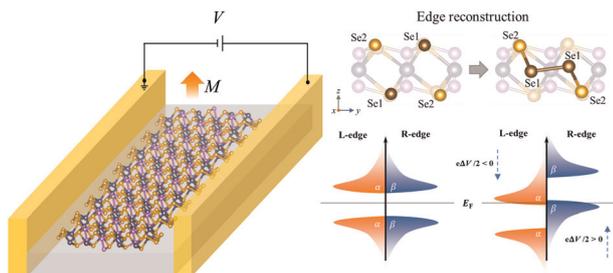
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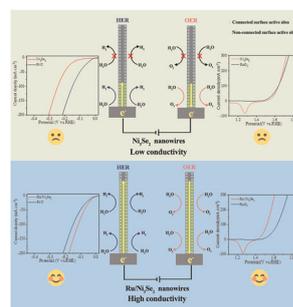


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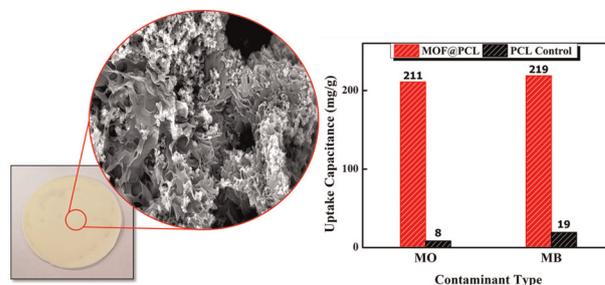
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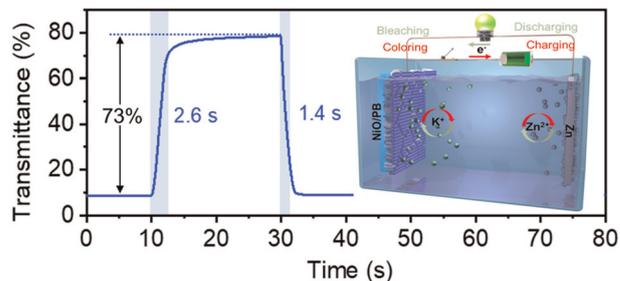
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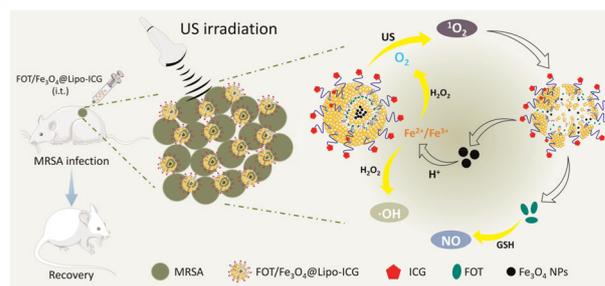
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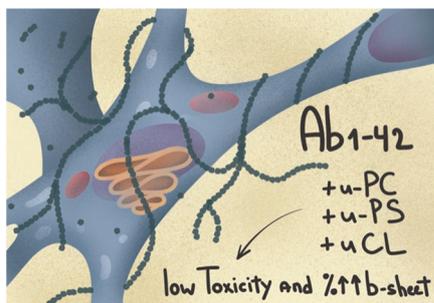
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Jingyi Zhang, Lin Zhang, Yuhan Zhang, Rong Ju and  
Guoqing Wei\*



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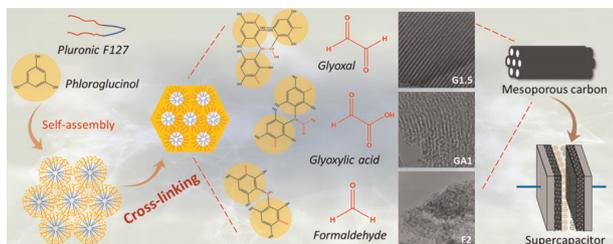
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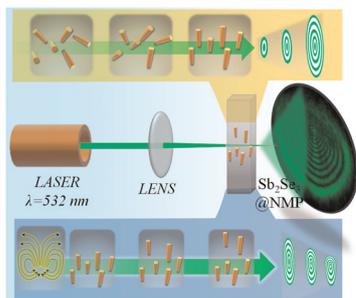
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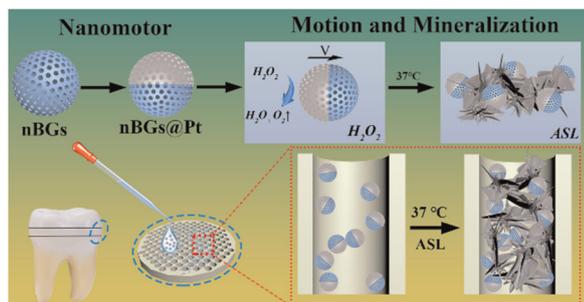
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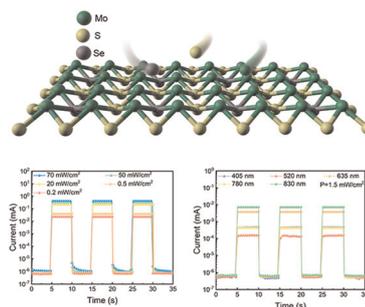


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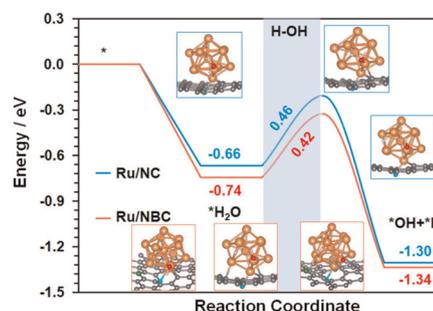
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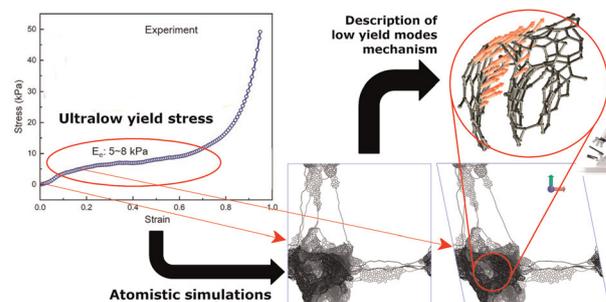
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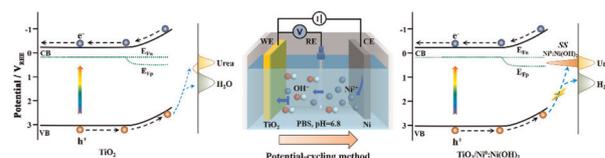
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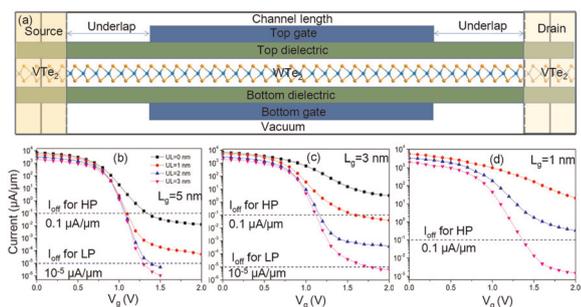
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Li Zou, Wenyan Tao, Jing Huang, Shuxiang Wang, Yijia Zhang, Keqiang Han, Yi Hu, Haoyan Gao, Pingping Yang and Jiale Xie\*



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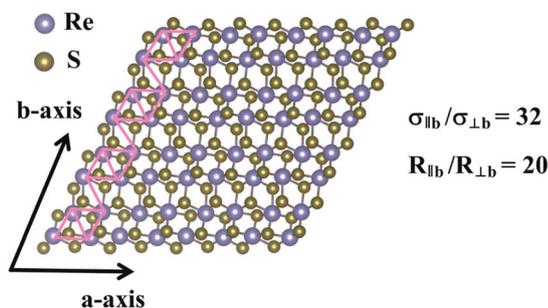
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### The device performance limit of in-plane monolayer $VTe_2/WTe_2$ heterojunction-based field-effect transistors

Xingyi Tan, Qiang Li, Dahua Ren and Hua-Hua Fu\*

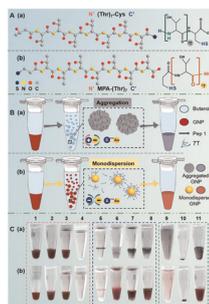
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### Electrical and optoelectronic anisotropy and surface electron accumulation in $ReS_2$ nanostructures

Hemant Kumar Bangolla, Muhammad Yusuf Fakhri, Ching-Hsuan Lin, Cheng-Maw Cheng, Yi-Hung Lu, Tsu-Yi Fu, Pushpa Selvarasu, Rajesh Kumar Ulaganathan, Raman Sankar and Rwei-San Chen\*

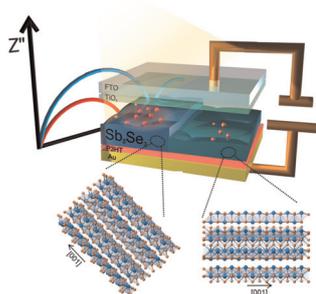
19746



### Quantified instant conjugation of peptides on a nanogold surface for tunable ice recrystallization inhibition

Shixuan Yang, Zhongxiang Ding, Leiming Chu, Mengke Su and Honglin Liu\*

19757



### Impedance spectroscopy of $Sb_2Se_3$ photovoltaics consisting of $(Sb_4Se_6)_n$ nanoribbons under light illumination

Jaemin Park, Thomas P. Shalvey, Thomas Moehl, Kyoohye Woo, Jonathan D. Major, S. David Tilley and Wooseok Yang\*

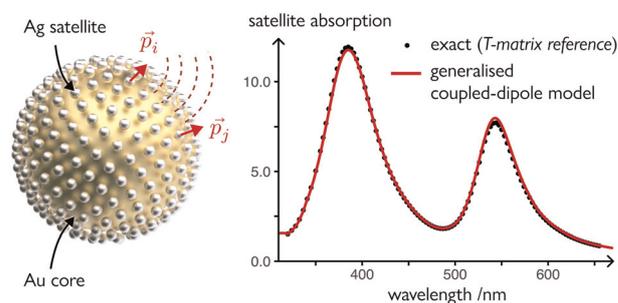


## PAPERS

19767

## Generalised coupled-dipole model for core-satellite nanostructures

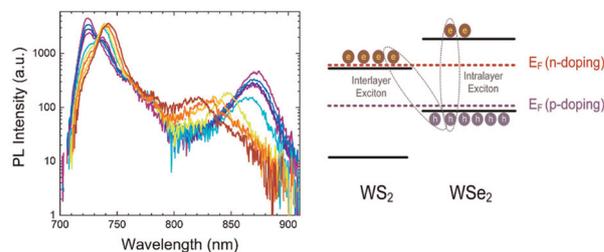
Stefania Glukhova, Eric C. Le Ru and Baptiste Auguie\*



19777

Probing the interlayer excitation dynamics in WS<sub>2</sub>/WSe<sub>2</sub> heterostructures with broadly tunable pump and probe energies

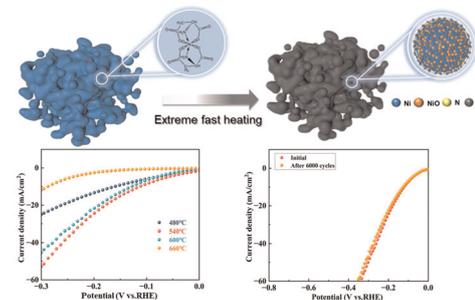
Anran Wang, Wendian Yao, Zidi Yang, Dingqi Zheng, Songlin Li, Yi Shi, Dehui Li and Fengqiu Wang\*



19784

## Ni/NiO@NC as a highly efficient and durable HER electrocatalyst derived from nickel(II) complexes: importance of polydentate amino-acid ligands

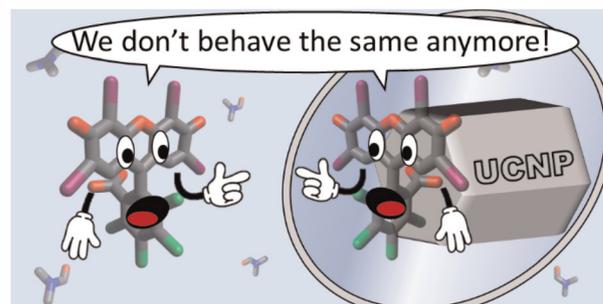
Xu Yang, Mengxue Liu, Fang Cui,\* Qinghai Ma and Tiejun Cui\*



19792

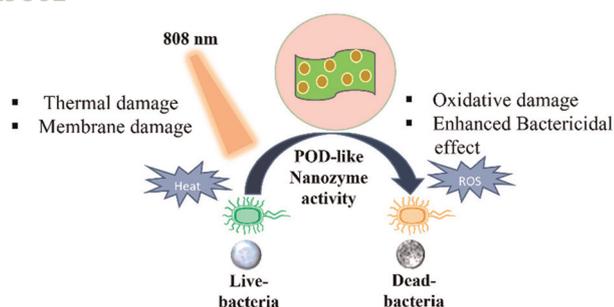
## Synergistic or antagonistic effect of lanthanides on Rose Bengal photophysics in upconversion nanohybrids?

Juan Ferrera-González, María González-Béjar\* and Julia Pérez-Prieto\*



## PAPERS

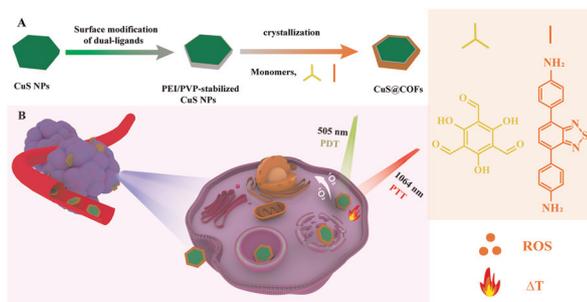
19801



### 2D-MoS<sub>2</sub>-supported copper peroxide nanodots with enhanced nanozyme activity: application in antibacterial activity

Archana Kumari, Jagabandhu Sahoo and Mrinmoy De\*

19815



### Dual-wavelength responsive CuS@COF nanosheets for high-performance photothermal/photodynamic combination treatments

Qian An, Shengze Su, Wei Hu, Yanying Wang, Tao Liang,\* Xianghong Li\* and Chunya Li\*

## CORRECTIONS

19820

### Correction: Pursuing colloidal diamonds

Łukasz Baran,\* Dariusz Tarasewicz, Daniel M. Kamiński and Wojciech Rżysko

19821

### Correction: MXenes vs. clays: emerging and traditional 2D layered nanoarchitectonics

Eduardo Ruiz-Hitzky\* and Cristina Ruiz-Garcia

