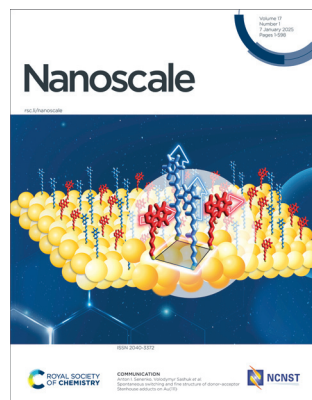


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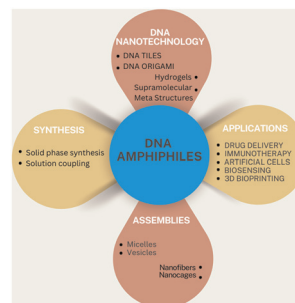


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Nishkarsh Jain, Ankur Singh and Dhiraj Bhatia*



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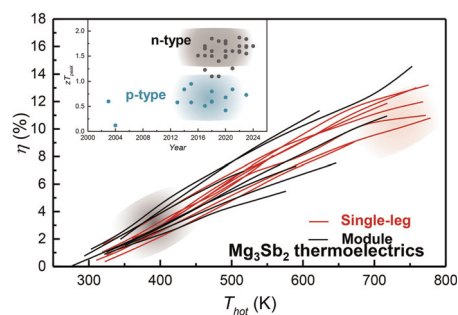
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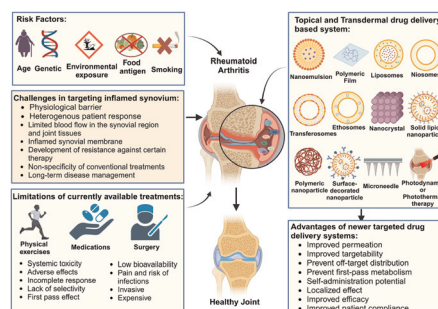
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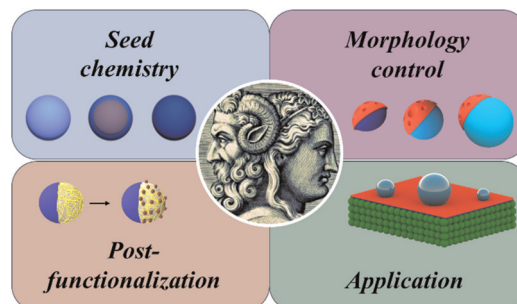
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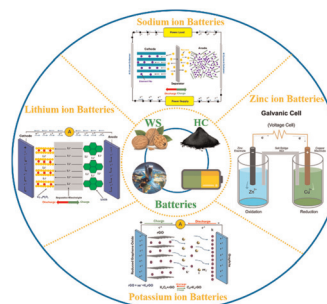
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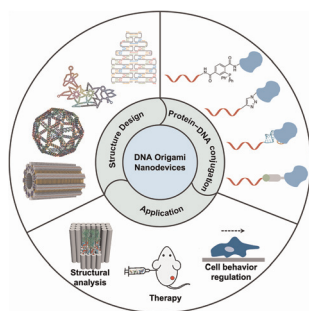
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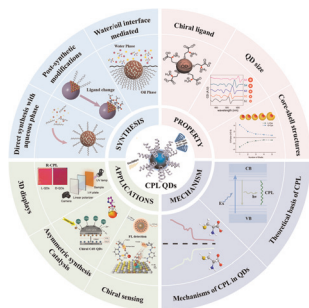
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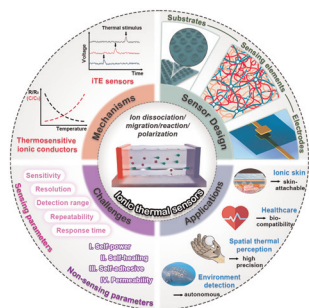
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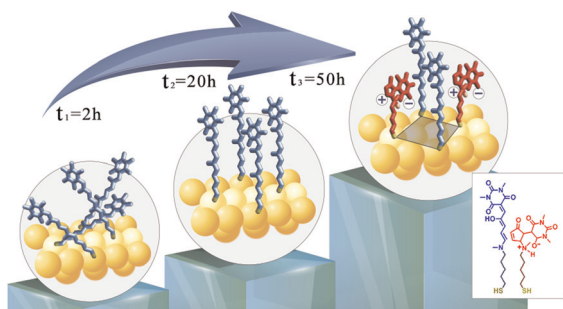


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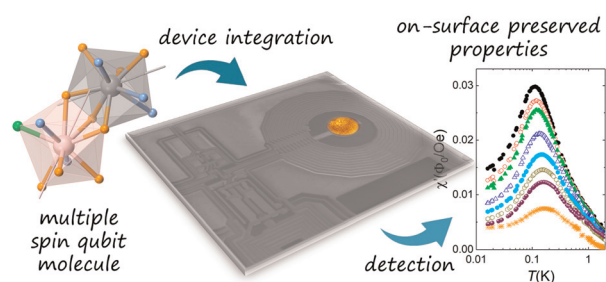


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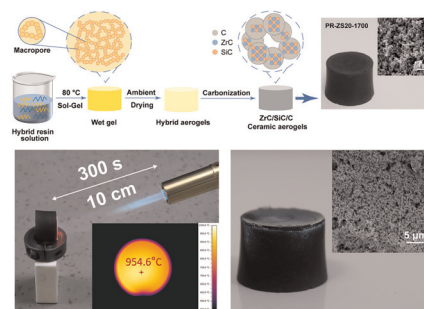


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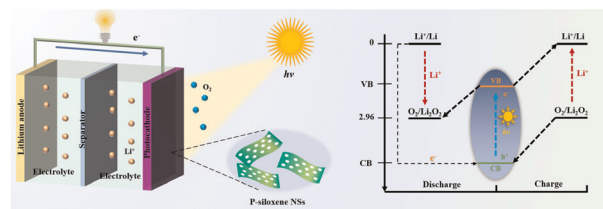
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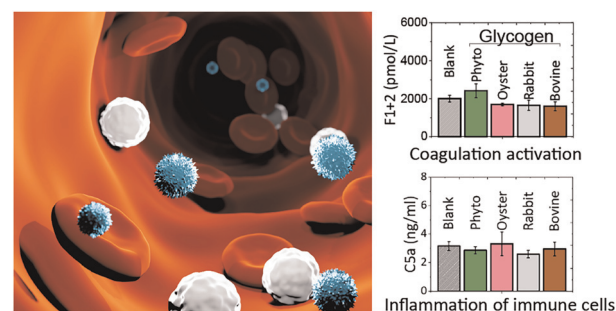
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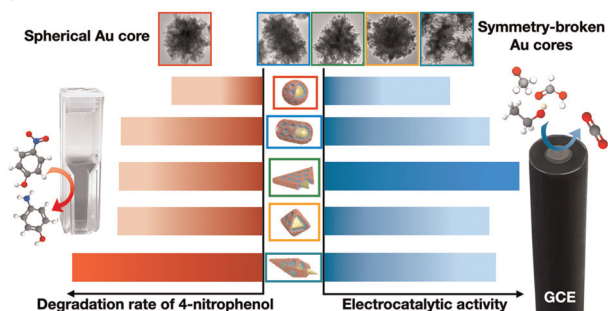
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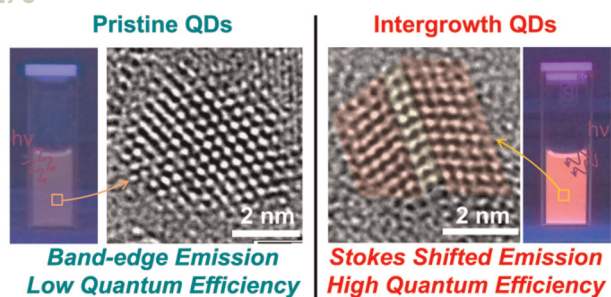
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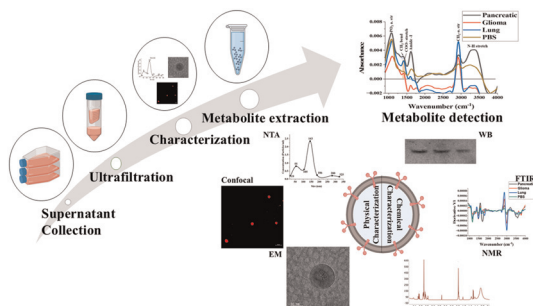
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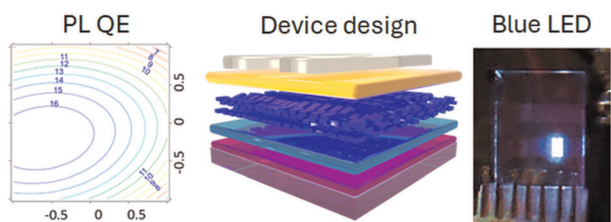
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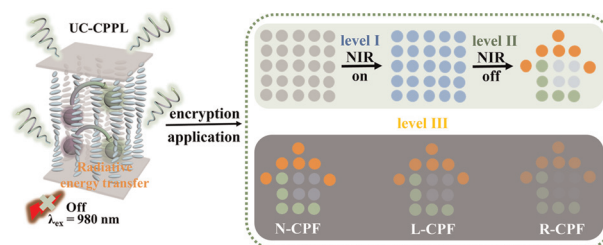


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Radiative energy transfer enabling upconverted circularly polarized persistent luminescence for multilevel information encryption

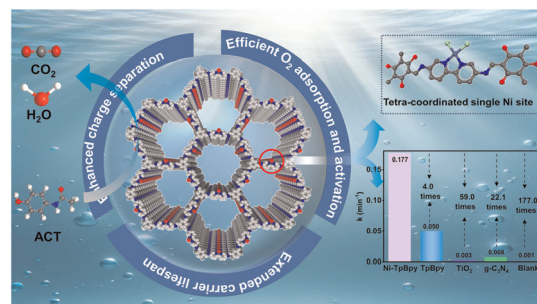
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Nickel single atoms anchored on a bipyridine-based covalent organic framework: boosting active sites for photodegradation of acetaminophen

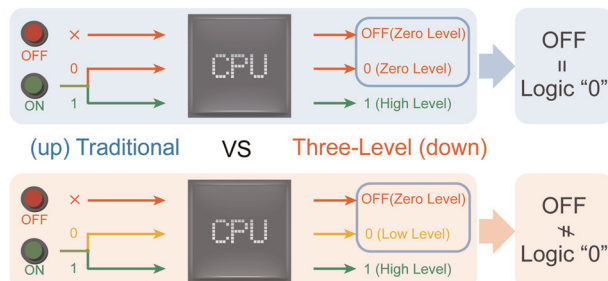
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Refined design of a DNA logic gate for implementing a DNA-based three-level circuit

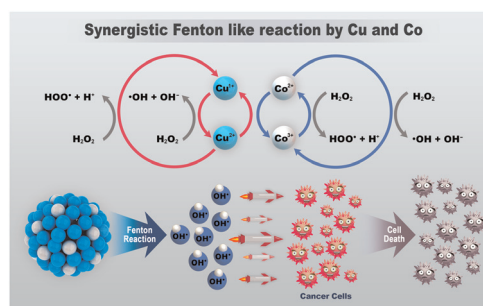
Yuanpeng Zhang, Bei Yan, Xingge Li, Huan Liu, Xiao Liu, Xianjin Xiao,* Zenghui Mao* and Zhihao Ming*



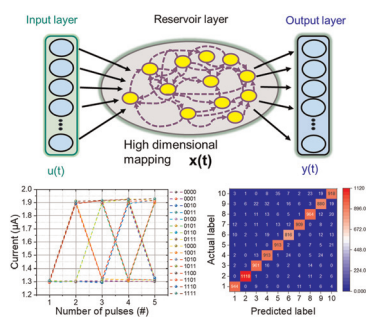
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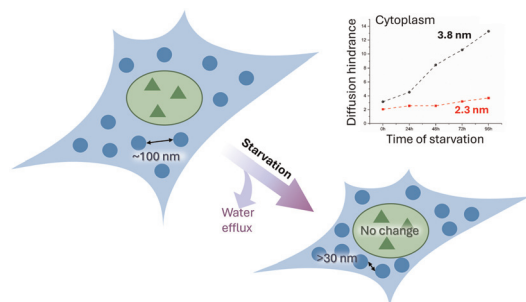
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Dynamic FeO_x/FeWO_x nanocomposite memristor for neuromorphic and reservoir computing

Muhammad Ismail, Maria Rasheed, Yongjin Park, Jungwoo Lee, Chandreswar Mahata and Sungjun Kim*

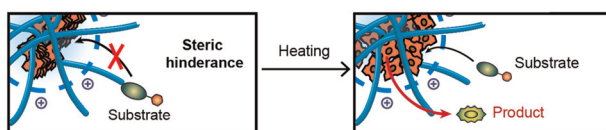
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Starvation induces diffusion hindrance at the nanoscale in mammalian cells

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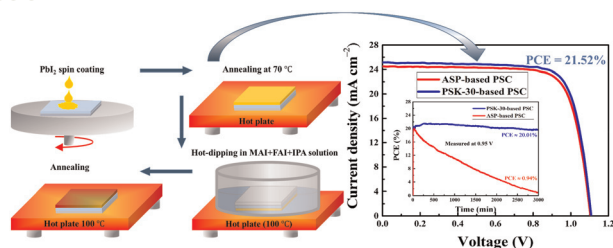
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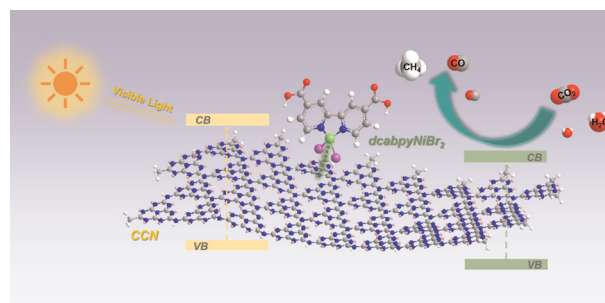


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Constructing a nickel complex/crystalline carbon nitride hybrid with a built-in electric field for boosting CO₂ photoreduction

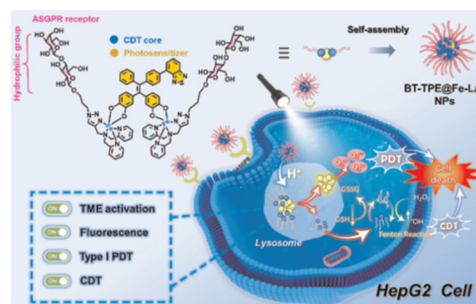
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A glycosylated AIE-active Fe(III) photosensitizer activated by the tumor microenvironment for synergistic type I photodynamic and chemodynamic therapy

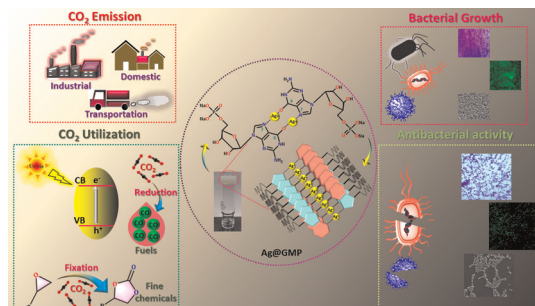
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Self-template impregnated silver nanoparticles in coordination polymer gel: photocatalytic CO₂ reduction, CO₂ fixation, and antibacterial activity

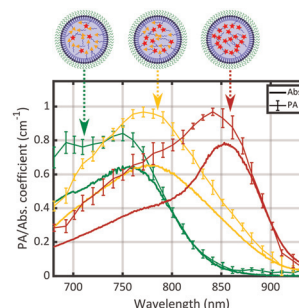
Noohul Alam, Sumit Mondal, Niwesh Ojha, Subham Sahoo, Mohammad Tarique Zeyad, Sushant Kumar and Debajit Sarma*



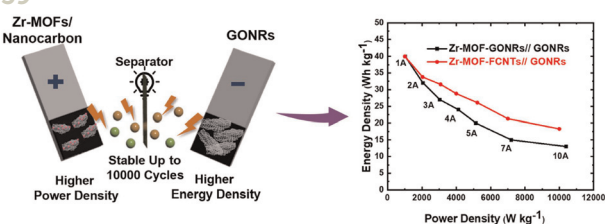
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Quantitative photoacoustic spectral transformations in theranostic solid lipid nanoparticles labelled with increasing concentrations of a photoacoustic NIR BODIPY

Clément Linger, Giulia Maccini, Gilles Clavier, Rachel Méallet, Nicolas Tsapis* and Jérôme Gateau*



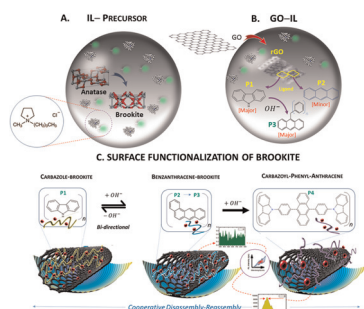
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Zr-MOF composites with zipped and unzipped carbon nanotubes for high-performance electrochemical supercapacitors

Asmaa R. Heiba, M. O. Abdel-Salam, Taeho Yoon* and Ehab El Sawy*

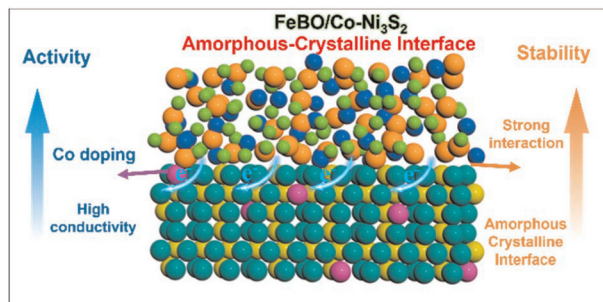
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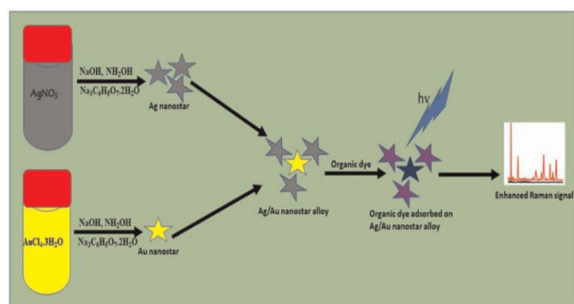
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Deep reconstruction of crystalline–amorphous heterojunction electrocatalysts for efficient and stable water and methanol electrolysis

Fang Zheng, Mayur A. Gaikwad, Zhenhua Fang, Suyoung Jang and Jin Hyeok Kim*

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An advanced plasmonic bimetallic nanostar composite for ultra-sensitive SERS detection of crystal violet

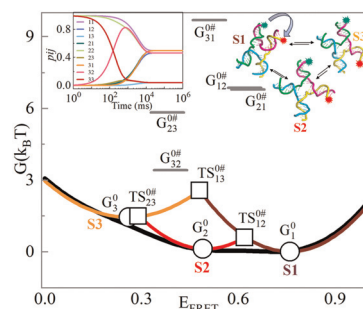
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Differential Mg^{2+} deposition on DNA Holliday Junctions dictates the rate and stability of conformational exchange

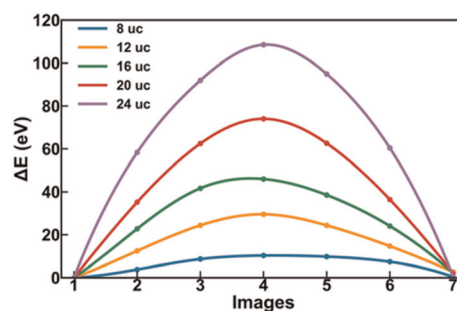
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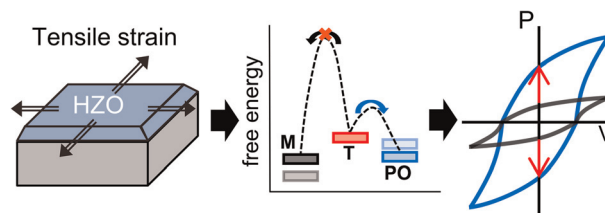
Lizhe Hu, Yuhui Huang, Yongjun Wu* and Zijian Hong*



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Theoretical understanding of the in-plane tensile strain effects on enhancing the ferroelectric performance of $Hf_{0.5}Zr_{0.5}O_2$ and ZrO_2 thin films

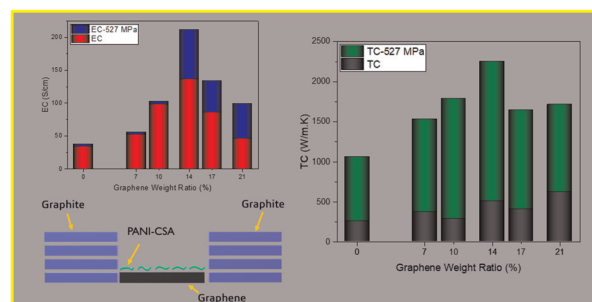
Kun Hee Ye, Taeyoung Jeong, Seungjae Yoon, Dohyun Kim, Cheol Seong Hwang* and Jung-Hae Choi*



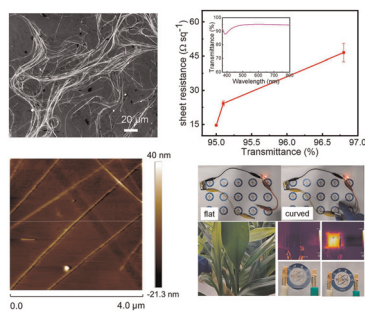
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Exploring graphene's impact on graphite/PANI matrix composites: high-pressure fabrication and enhanced thermal-electrical properties

Murat Ozlek, Merve Sehnaz Akbulut and Engin Burgaz*



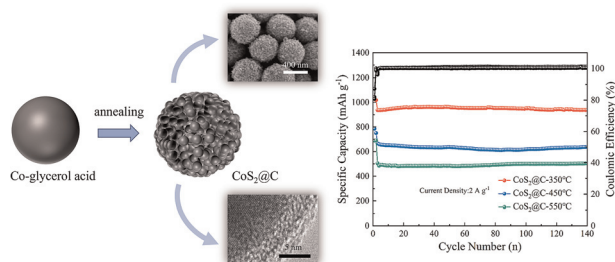
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Synergistic role of Cl⁻ and Br⁻ ions in growth control and mechanistic insights of high aspect ratio silver nanowires for flexible transparent conductive films

Jia-Lei Xu, Rui-Dong Shi, Hai-ping Zhou, Guo-Tao Xiang, Zi-Dong Zhou, Yong-Da Hu* and Jin-Ju Chen*

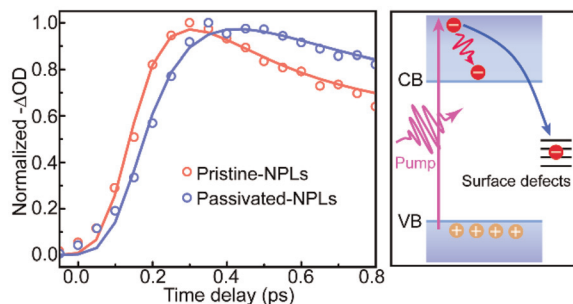
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Facile synthesis of *in situ* carbon-coated CoS₂ micro/nano-spheres as high-performance anode materials for sodium-ion batteries

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