

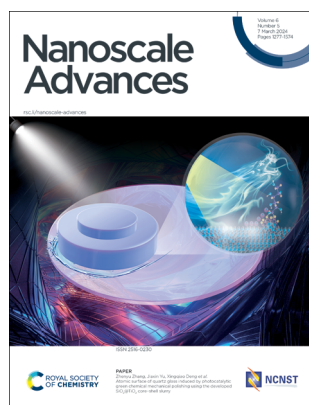
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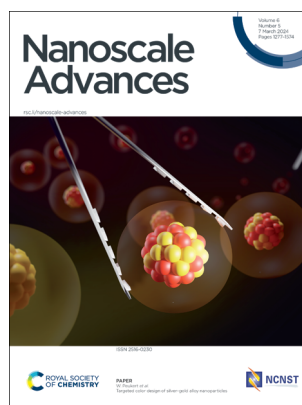
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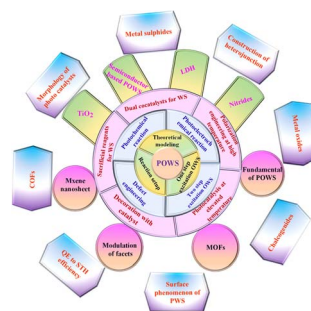
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REVIEWS

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Recent developments, advances and strategies in heterogeneous photocatalysts for water splitting

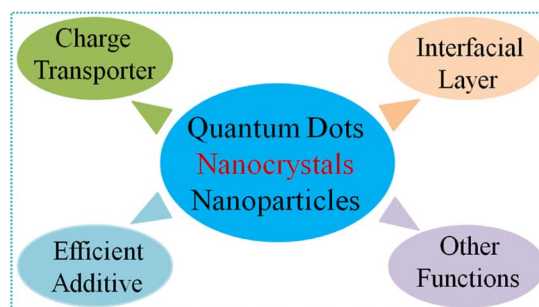
Muhammad Sohail, Sana Rauf, Muhammad Irfan, Asif Hayat, Majed M. Alghamdi, Adel A. El-Zahhar, Djamel Ghernaout, Yas Al-Hadeethi and Weiqiang Lv*



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Nanocrystals as performance-boosting materials for solar cells

Boping Yang,* Junjie Cang, Zhiling Li and Jian Chen*



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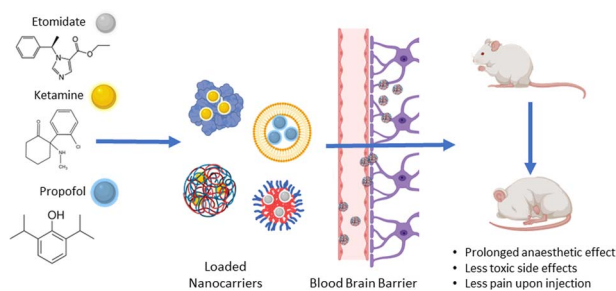


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Nanoencapsulation of general anaesthetics

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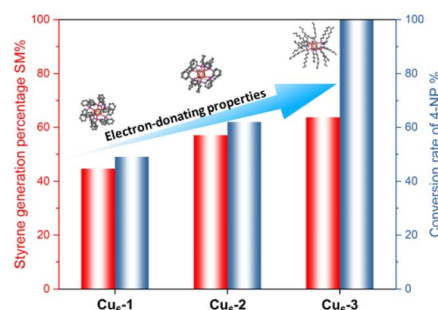


COMMUNICATION

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The structure–activity relationship of copper hydride nanoclusters in hydrogenation and reduction reactions

Xi Zheng, Ye Liu, Wanli Ma, Yan Su and Yu Wang*

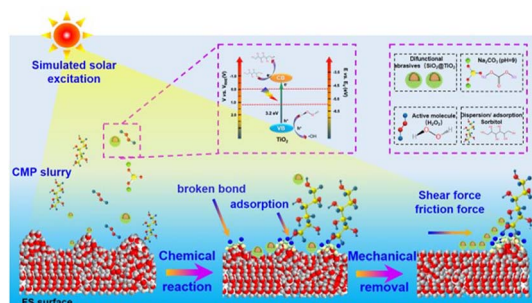


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Atomic surface of quartz glass induced by photocatalytic green chemical mechanical polishing using the developed SiO₂@TiO₂ core–shell slurry

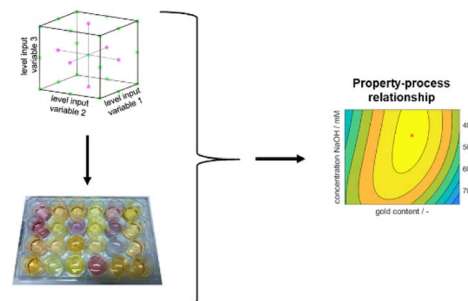
Yuanhang Fan, Zhenyu Zhang,* Jiaxin Yu,* Xingqiao Deng,* Chunjing Shi, Hongxiu Zhou, Fanning Meng and Junyuan Feng



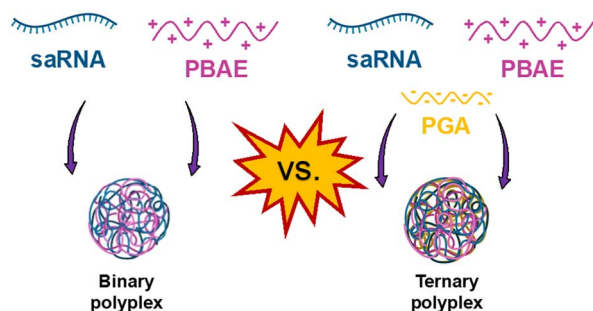
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Targeted color design of silver–gold alloy nanoparticles

N. E. Traoré, C. Spruck, A. Uihlein, L. Pflug and W. Peukert*



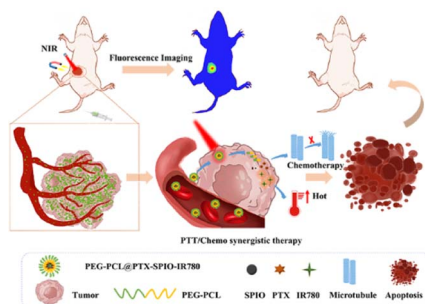
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Charge neutralized poly(β -amino ester) polyplex nanoparticles for delivery of self-amplifying RNA

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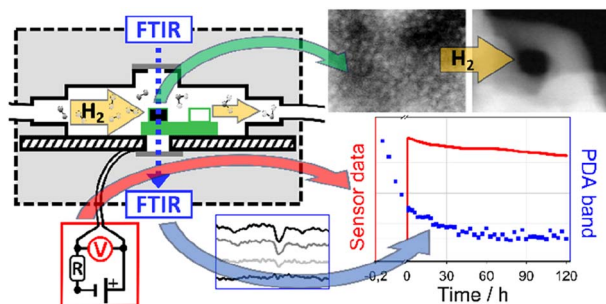
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An "all-in-one" treatment and imaging nanoplatform for breast cancer with photothermal nanoparticles

Yuping Fu, Hongmei Zhang, Jiahui Ye, Changrong Chen, Yaxuan Yang, Baojuan Wu, Xi Yin, Jiajun Shi, Yun Zhu, Cheng Zhao* and Weijie Zhang*

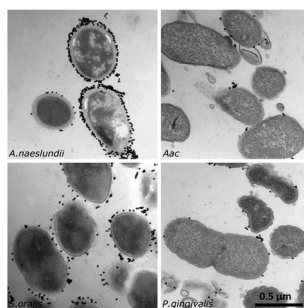
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In-operando FTIR study of ligand-linked Pt nanoparticle networks employed as catalysts in hydrogen gas micro sensors

Daniel Loof, Oliver Thüringer, Volkmar Zielasek,* Anmona Shabnam Pranti, Walter Lang and Marcus Bäumer

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Colorimetric detection of oral bacteria using functionalized gold nanoparticles as a plasmonic biosensor array

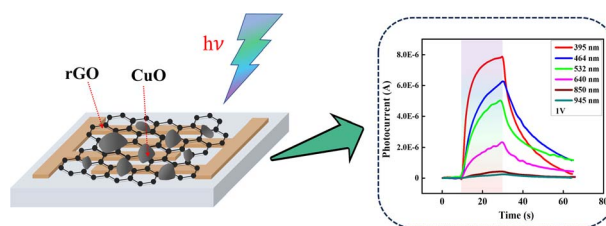
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A study on a broadband photodetector based on hybrid 2D copper oxide/reduced graphene oxide

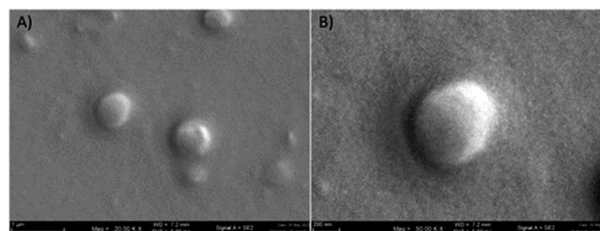
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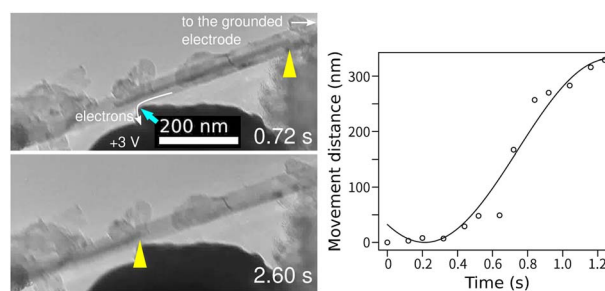
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Kinematics of electromigration-driven sliding of Co nanorod fillers inside multi-walled carbon nanotubes

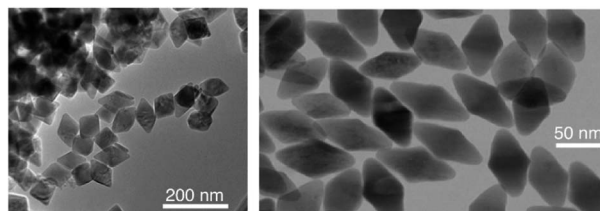
Kensuke Adachi, Shogo Matsuyama, Yuki Sakai and Hideo Kohno*



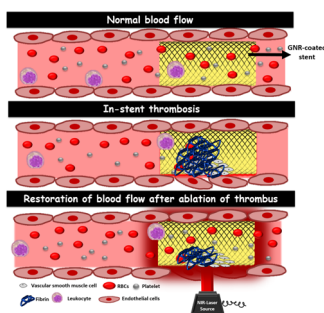
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Thermal properties of nanofluids using hydrophilic and hydrophobic LiYF₄:Yb/Er upconverting nanoparticles

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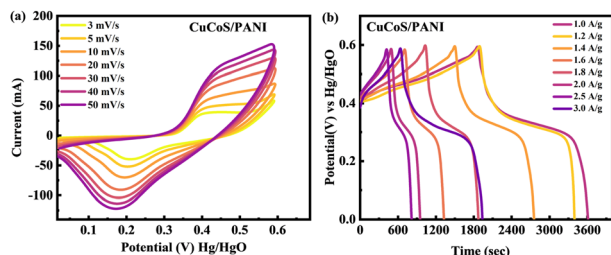
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Nanogold-coated stent facilitated non-invasive photothermal ablation of stent thrombosis and restoration of blood flow

Nitesh Singh, Pares P. Kulkarni, Prashant Tripathi, Vikas Agarwal and Debabrata Dash*

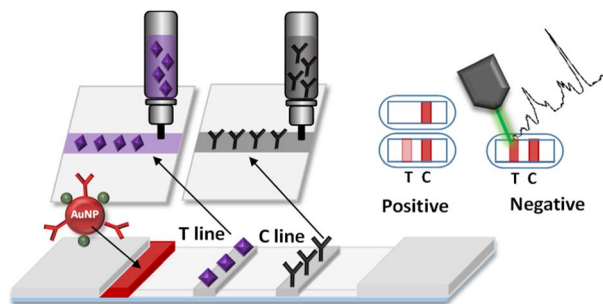
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Synergistic CuCoS–PANI materials for binder-free electrodes in asymmetric supercapacitors and oxygen evolution

Haseebul Hassan, Muhammad Waqas Iqbal,* Hussein Alrobei, Fareeha Riasat, Amir Muhammad Afzal, Ahmad M. Saedi, Hasan B. Albargi and Arslan Rehmat

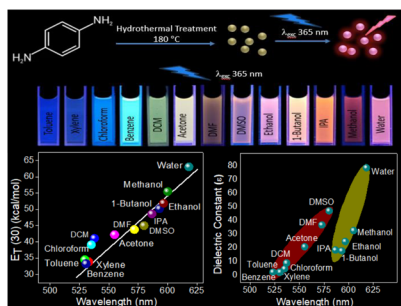
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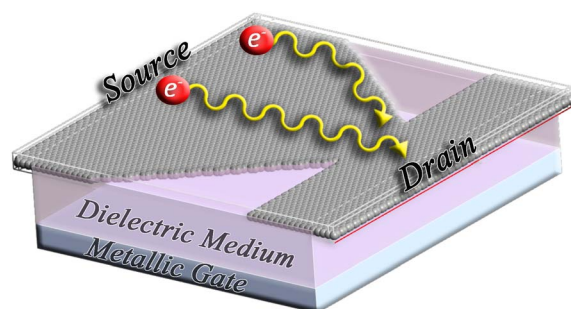
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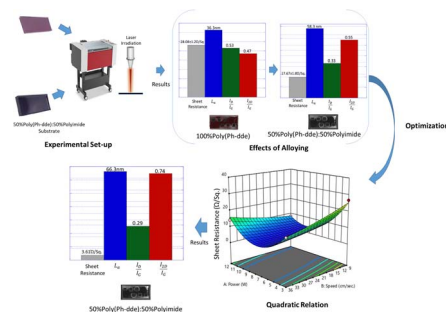
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Ibrahim Lawan, Panuwat Luengrojankul, Krittapas Charoensuk, Hariharan Argunam, Cheol-Hee Ahn and Sarawut Rimdusit*



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Enhancing the electronic and optical properties of the metal/semiconductor NbS₂/BSe nanoheterostructure towards advanced electronics

S. T. Nguyen, T. T. T. Huong, N. X. Ca* and C. Q. Nguyen*

