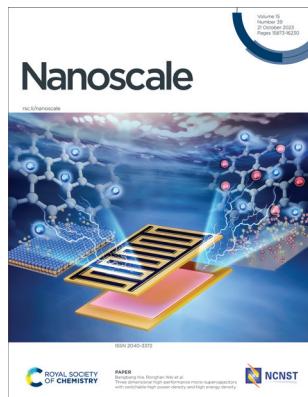


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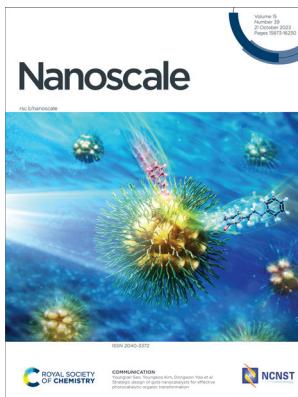
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Cover

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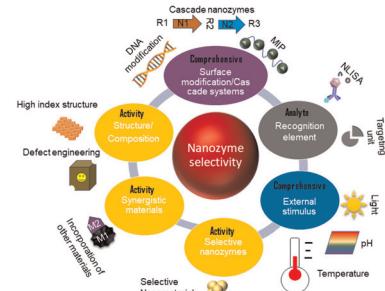
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A comprehensive exploration of the latest innovations for advancements in enhancing selectivity of nanozymes for theranostic nanoplateform

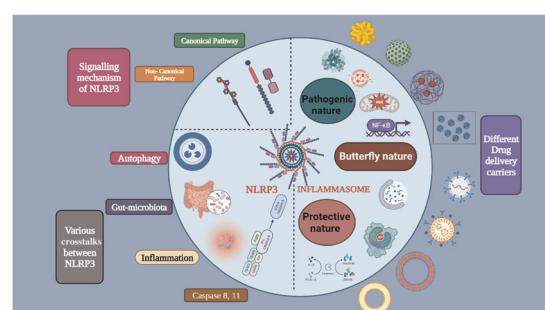
Dan Li,* Tuocen Fan and Xifan Mei*



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Functionalized nanomaterials targeting NLRP3 inflammasome driven immunomodulation: Friend or Foe

Kanika and Rehan Khan*



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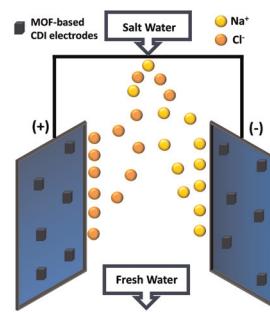
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A mini review on metal–organic framework-based electrode materials for capacitive deionization

M. Shahnaz Khan, Zhi Yi Leong, Dong-Sheng Li, Jianbei Qiu, Xuhui Xu and Hui Ying Yang*

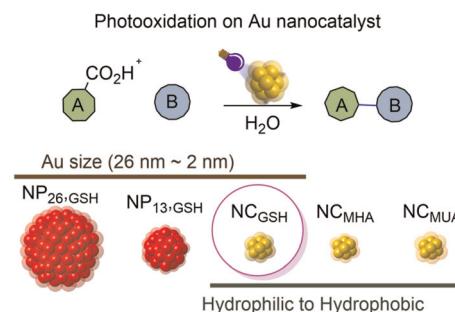


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Jongchan Kim, Jeonghyeon Lee, Hyunwoo Choi, Juhee Ha, Minsoo Cheon, Youngran Seo,* Youngsoo Kim* and Dongwon Yoo*

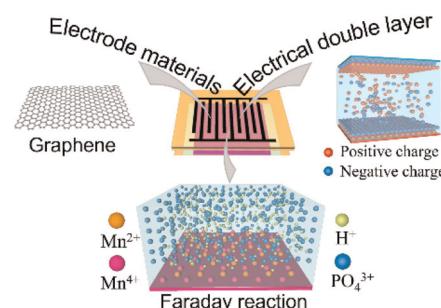


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Three dimensional high-performance micro-supercapacitors with switchable high power density and high energy density

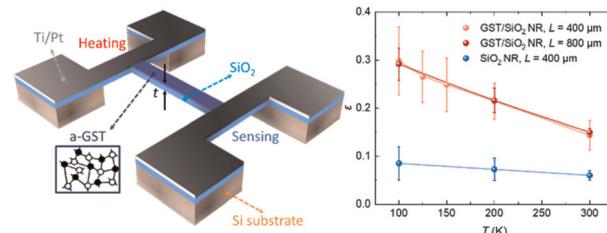
Kuangbing Wang, Bangbang Nie,* Ni Su, Benkun Lv, Huiqian Song, Guochen Qi, Yudong Zhang, Jingjiang Qiu and Ronghan Wei*



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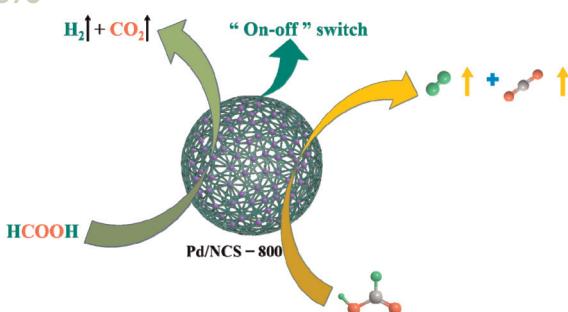
Enhanced far-field coherent thermal emission using mid-infrared bilayer metasurfaces

Sichao Li, Robert E. Simpson and Sunmi Shin*



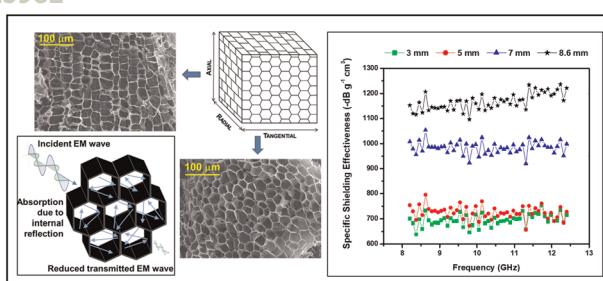
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Selective and controlled H₂ generation upon additive-free HCOOH dehydrogenation over a Pd/NCS nanocatalyst

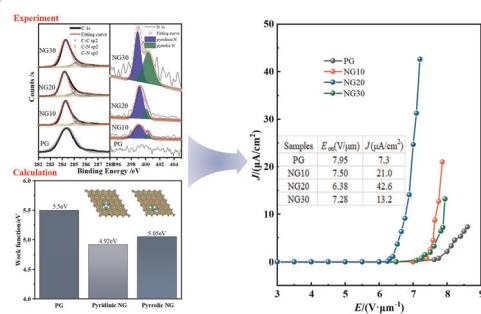
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Ultra-light-weight microwave X-band EMI shielding or RAM material made from sustainable pyrolysed cork templates

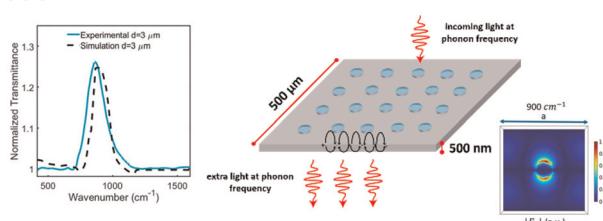
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Salvatore Macis,* Maria Chiara Paolozzi, Annalisa D'Arco, Federica Piccirilli, Veronica Stopponi, Marco Rossi, Fabio Moia, Andrea Toma and Stefano Lupi

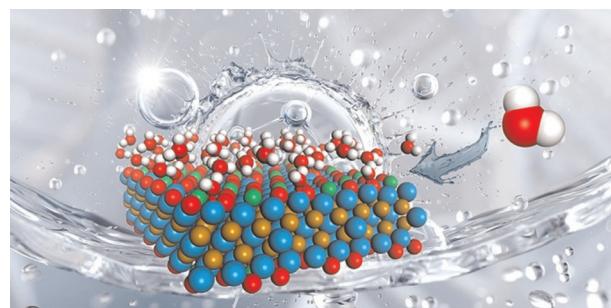


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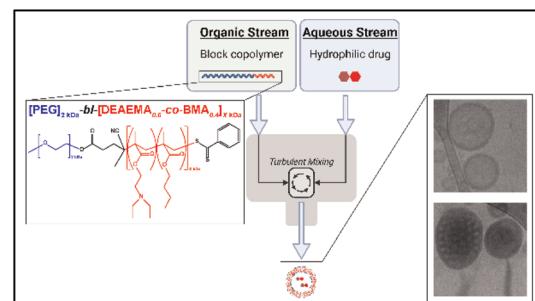
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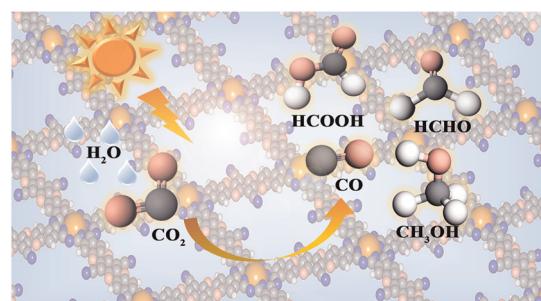
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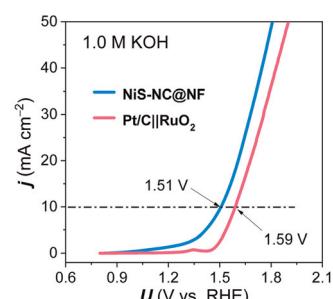
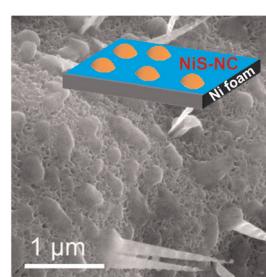
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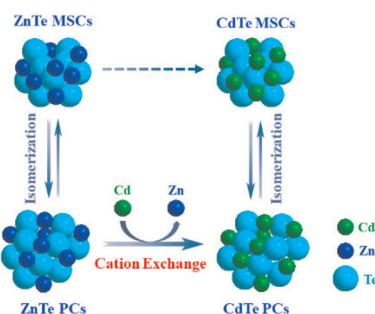
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Zhicheng Liu, Hongrui Jia, He Wang, Yaqun Wang* and Guoxin Zhang*



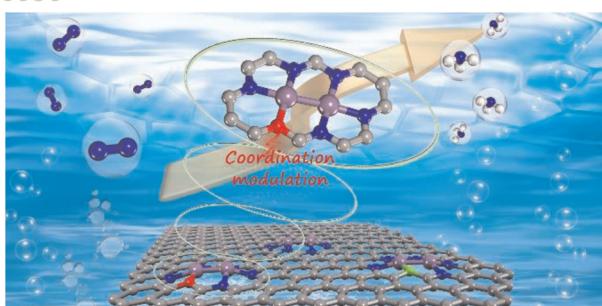
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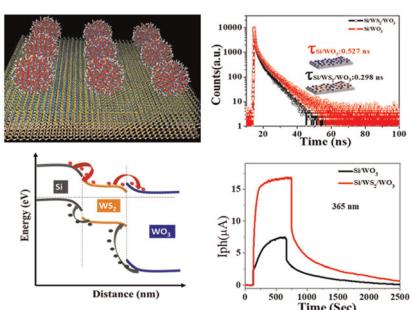
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Andrey V. Matetskiy,* Valeria Milotti, Polina M. Sheverdyaeva, Paolo Moras, Carlo Carbone and Alexey N. Mihalyuk

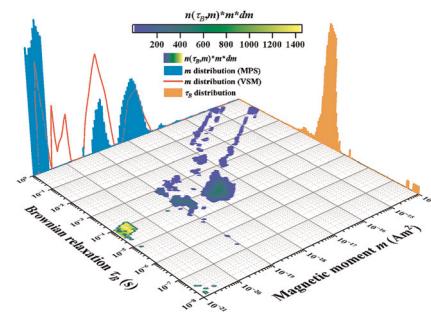


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Simultaneous estimation of magnetic moment and Brownian relaxation time distributions of magnetic nanoparticles based on magnetic particle spectroscopy for biosensing application

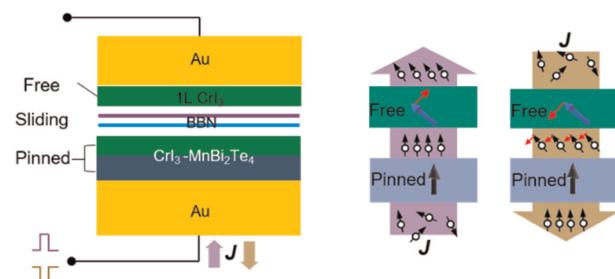
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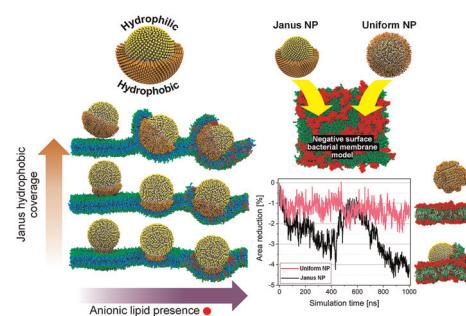
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Computational investigation on lipid bilayer disruption induced by amphiphilic Janus nanoparticles: combined effect of Janus balance and charged lipid concentration

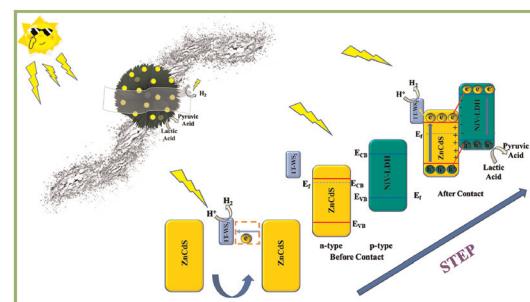
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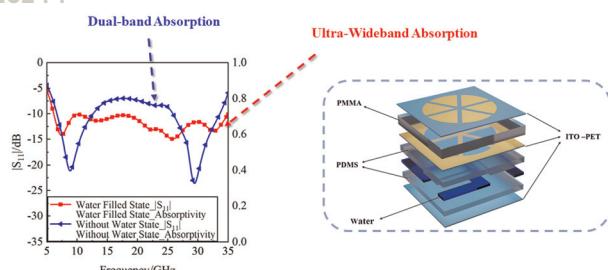
A 1T-WS₂ "electron pump" regulates charge transfer over ZnCdS/NiV-LDH p-n heterostructures for enhanced photocatalytic hydrogen evolution

Jingzhi Wang, Mei Li* and Zhiliang Jin*



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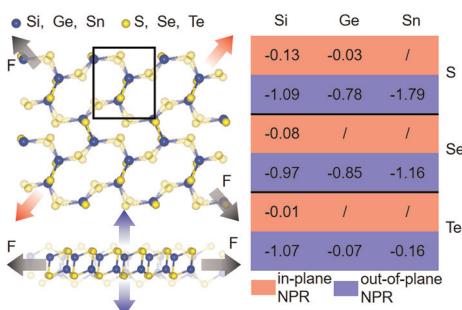
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A reconfigurable ultra-broadband transparent absorber combined with ITO and structural water

Yang Wang, Helin Yang,* Jiong Wu, Yuejie Yang, Jing Jin, Xuxing Geng and Xiaojun Huang*

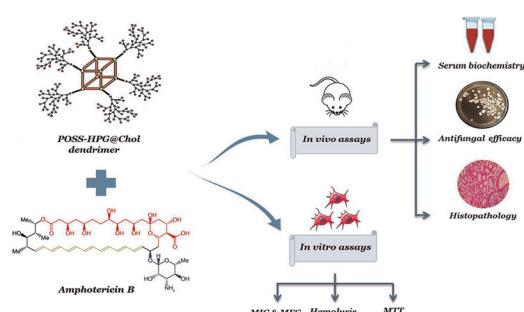
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High out-of-plane negative Poisson's ratios and strong light harvesting in two-dimensional SiS_2 and its derivatives

Haidi Wang, Tao Li, Zhao Chen, Weiduo Zhu, Wei Lin, Huimiao Wang, Xiaofeng Liu* and Zhongjun Li*

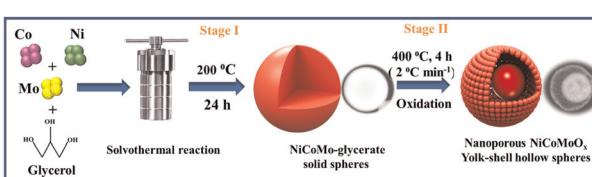
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Dendritic hybrid materials comprising polyhedral oligomeric silsesquioxane (POSS) and hyperbranched polyglycerol for effective antifungal drug delivery and therapy in systemic candidiasis

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Fabrication of ternary NiCoMoO_x with yolk-shell hollow structure as a positive electrode material for high-performance electrochemical capacitor applications

Fatemeh Heidari Gourji,* Tharmakularasa Rajaraman, Øyvind Frette and Dhayalan Velauthapillai*

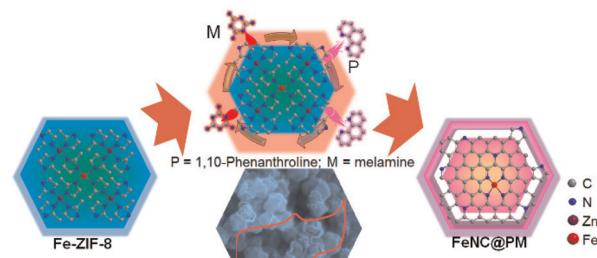


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Efficient yolk-shelled Fe–N–C oxygen reduction electrocatalyst via N-rich molecular-guided pyrolysis

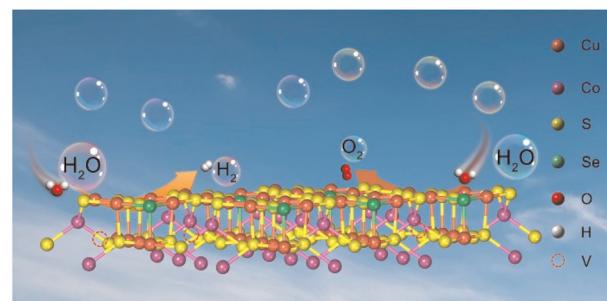
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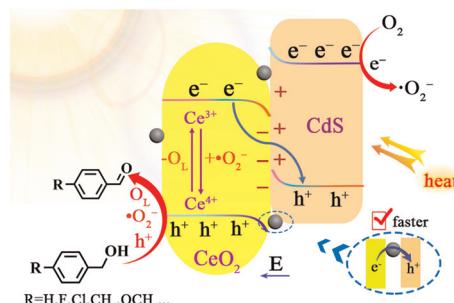
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The Mars–Van Krevelen cycle and non-noble metal Ni jointly promoting Z-scheme charge transfer: a study on the photothermal synergy effect applied in selectively oxidizing aromatic alcohols

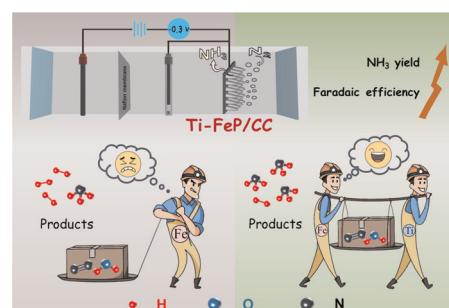
Gaoli Chen, Jing Li, Shu Gui, Ya Wang, Sujuan Zhang,* Zhongliao Wang, Xiuzhen Zheng, Sugang Meng, Chaohui Ruan and Shifu Chen*



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Ti-doped iron phosphide nanoarrays grown on carbon cloth as a self-supported electrode for enhanced electrocatalytic nitrogen reduction

Senhao Wang, Yuan Wang,* Tian C. Zhang, Xu Ji and Shaojun Yuan*



CORRECTION

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Correction: Accelerating copolymer inverse design using monte carlo tree search

Tarak K. Patra,* Troy D. Loeffler and Subramanian K. R. S. Sankaranarayanan*