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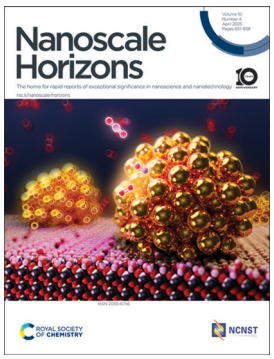

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Rounding up Rh nanoparticles for ultraviolet plasmonic sensing

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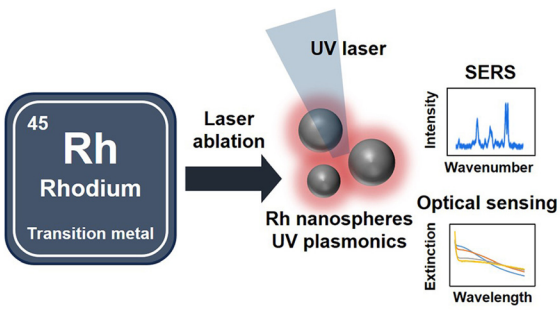

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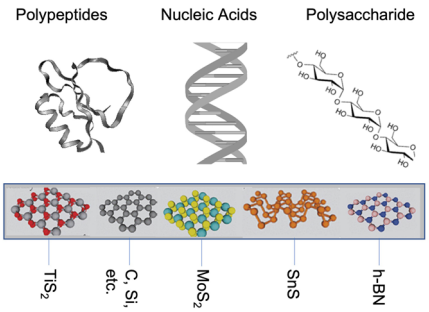

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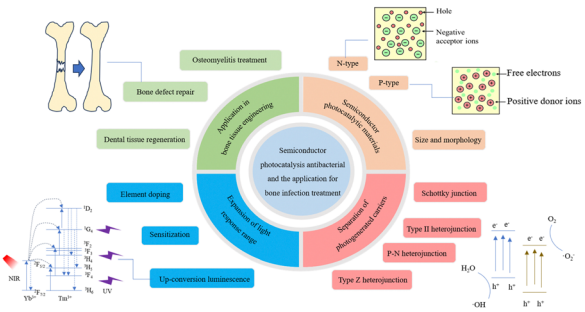
Semiconductor photocatalytic antibacterial materials and their application for bone infection treatment

Ruizhong He, Yulong Gu, Jiye Jia, Feng Yang, Ping Wu, Pei Feng* and Cijun Shuai*



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Foundational insights for theranostic applications of magnetoelectric nanoparticles

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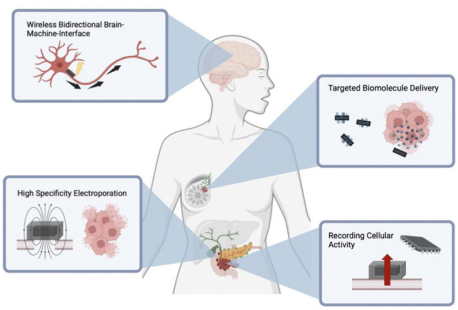

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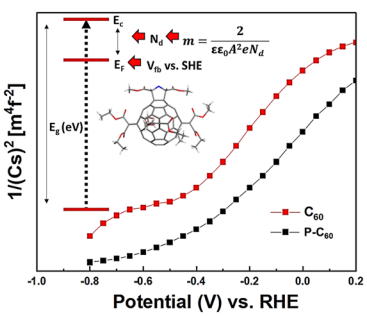
Understanding the effects of adduct functionalization on C_{60} nanocages for the hydrogen evolution reaction

Joy Spears, Mina Shawky Adly, Edison Castro, Alain R. Puente Santiago,* Luis Echegoyen, Tianwei He,* Christopher J. Dares and Mohamed Noufal*



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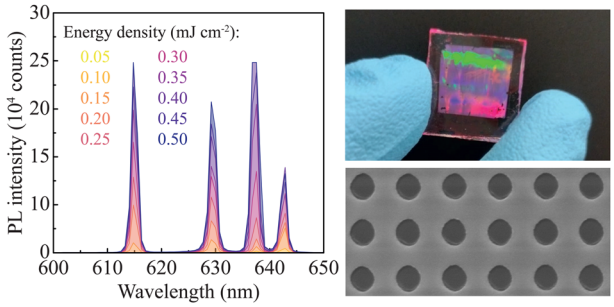

High-refractive-index 2D photonic structures for robust low-threshold multiband lasing

Ana Conde-Rubio, Juan R. Deop-Ruano, Luis Cerdán, Alejandro Manjavacas* and Agustín Mihi*

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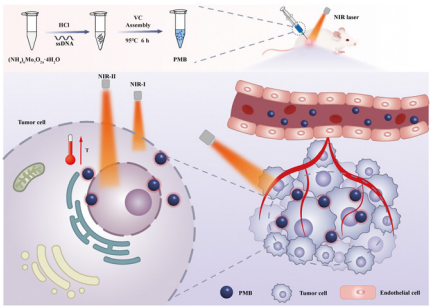

A phosphomolybdenum blue nano-photothermal agent with dual peak absorption and biodegradable properties based on ssDNA in near-infrared photothermal therapy for breast cancer

Baoru Fang, Siqi Geng, Ke Wang, Fang Wang, Yiqing Zhou, Jiaying Qin, Shengnan Luo, Yanping Chen and Zhangsen Yu*

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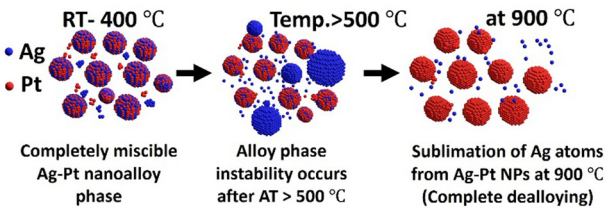

Thermal evolution of solid solution of silica-embedded AgPt alloy NPs in the large miscibility gap

Hemant Jatav, Anusmita Chakravorty, Ambuj Mishra, Matthias Schwartzkopf, Andrei Chumakov, Stephan V. Roth and Debdulal Kabiraj*

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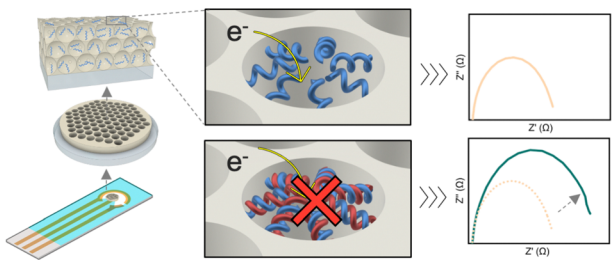

Block copolymer-assembled nanopore arrays enable ultrasensitive label-free DNA detection

Maximiliano Jesus Jara Fornerod, Alberto Alvarez-Fernandez, Máté Füredi, Anandapadmanabhan A Rajendran, Beatriz Prieto-Simón, Nicolas H. Voelcker* and Stefan Guldin*

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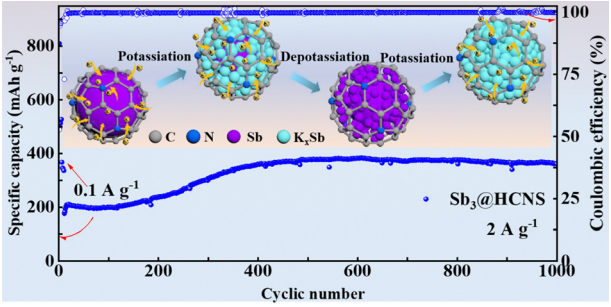
Multi-scale carbon@Sb mesoporous composites activated by *in situ* localized electrochemical pulverization as high-rate and long-life anode materials for potassium-ion batteries

Jie Ren, Xiang Wang, Jihao Li, Qianzi Sun, Shaozhou Li, Ling Bai, Xianming Liu, Guilong Liu, Ziquan Li,* Haijiao Zhang* and Zhen-Dong Huang*



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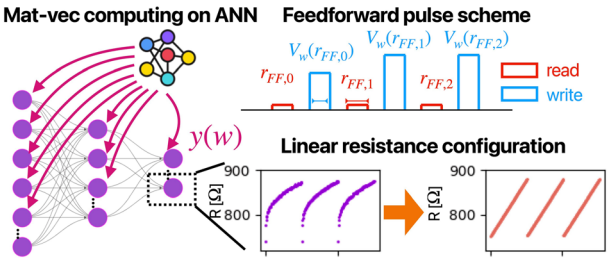
Zhuo Diao,* Ryohei Yamamoto, Zijie Meng, Tetsuya Tohei and Akira Sakai*



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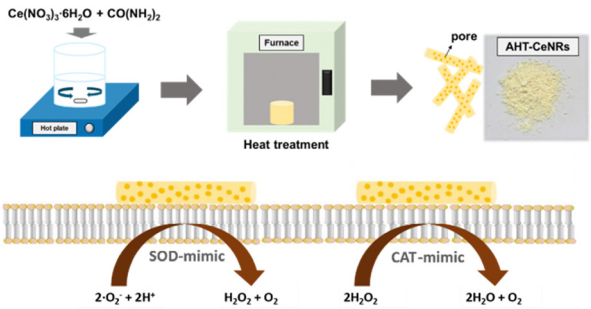

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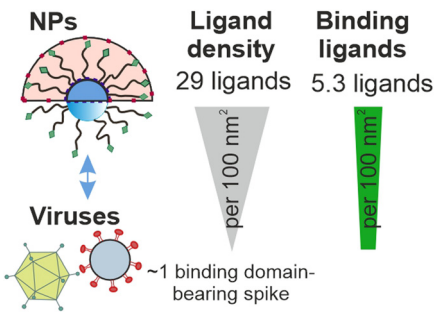
The quantity of ligand–receptor interactions between nanoparticles and target cells

Kathrin Schorr, Sebastian Beck, Oliver Zimmer, Felix Baumann, Max Keller, Ralph Witzgall and Achim Goepferich*



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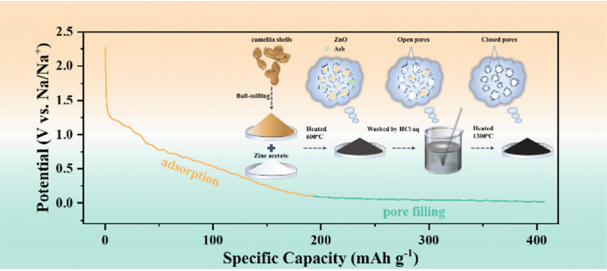

Regulation of closed pores in hard carbon for enhanced electrochemical sodium storage

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