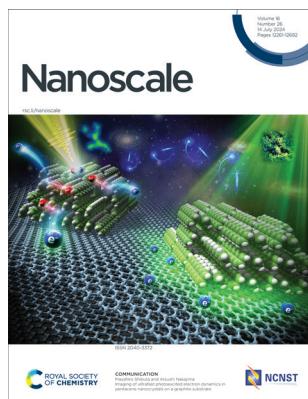


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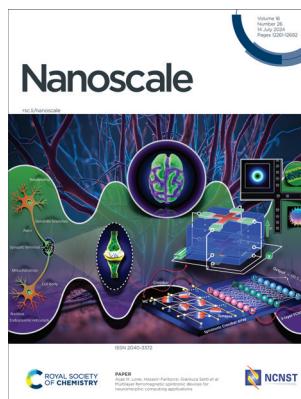
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See Masahiro Shibuta and Atsushi Nakajima, pp. 12397–12405.

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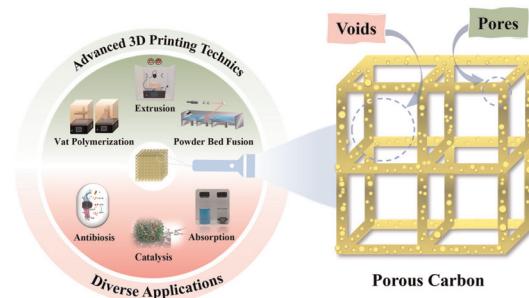
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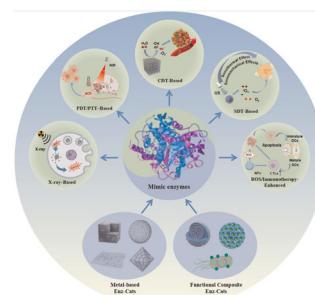
Cameron Romero, Zhi Liu, Zhen Wei and Ling Fei*



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Lingfeng Jiang, Menglin Luo, Jiawei Wang, Zijun Ma, Chuan Zhang, Maochun Zhang,* Qing Zhang, Hanfeng Yang* and Ling Li*



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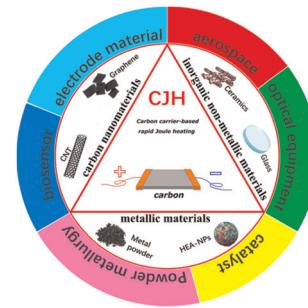
Fundamental questions
Elemental answers

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Carbon carrier-based rapid Joule heating technology: a review on the preparation and applications of functional nanomaterials

Xinrui Ding, Zihan He, Jiasheng Li,* Xiaolin Xu and Zongtao Li*

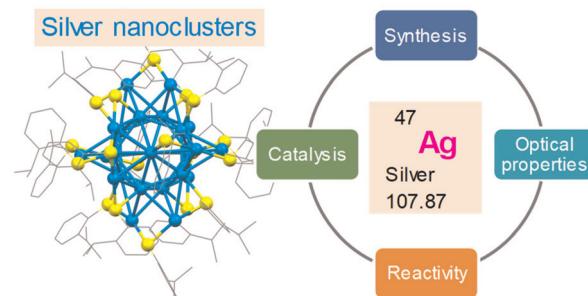


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Recent advances in synthesis and properties of silver nanoclusters

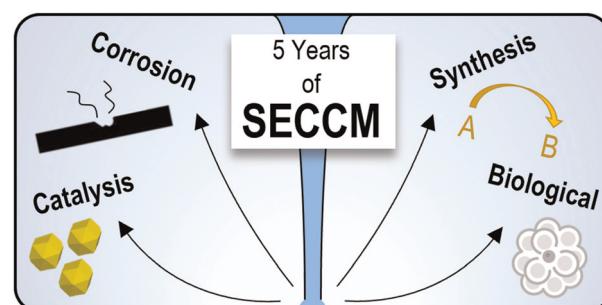
Xiaolin Liu, Taeyoung Ki, Guocheng Deng, Seungwoo Yoo, Kangjae Lee, Byoung-Hoon Lee, Taeghwan Hyeon* and Megalamane S. Bootharaju*



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Five years of scanning electrochemical cell microscopy (SECCM): new insights and innovations

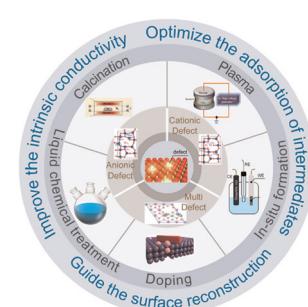
Lachlan F. Gaudin, India R. Wright, Thom R. Harris-Lee, Gunani Jayamaha, Minkyung Kang and Cameron L. Bentley*



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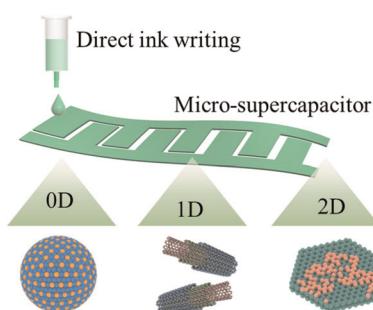
A review on defect modulated electrocatalysts for the oxygen evolution reaction

Qianyun He, Lei Han, Chao Lin* and Kai Tao*



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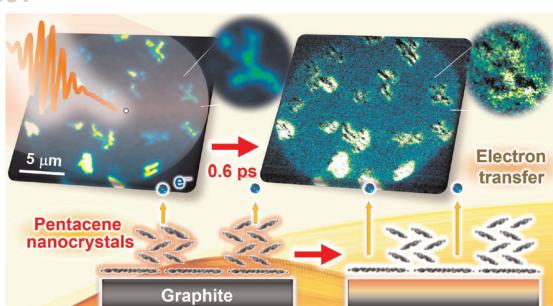
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Yanan Hou, Mutawara Mahmood Baig, Jingqi Lu, Hongcheng Zhang, Pin Liu, Guoyin Zhu,* Xinlei Ge, Huan Pang* and Yizhou Zhang*

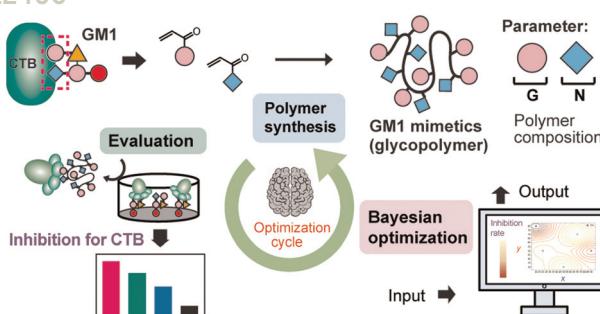
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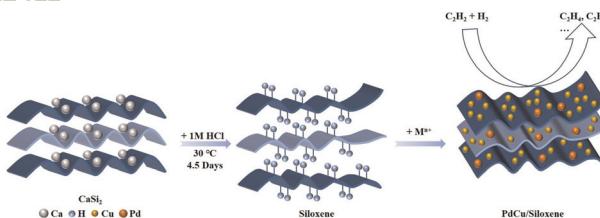
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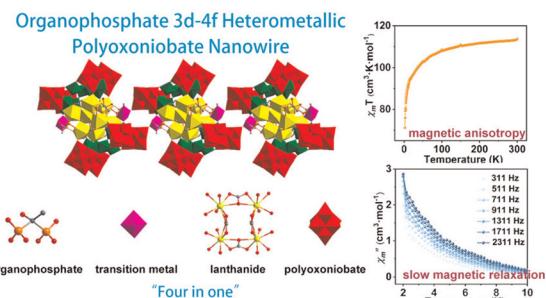


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An organophosphate 3d–4f heterometallic polyoxoniobate nanowire

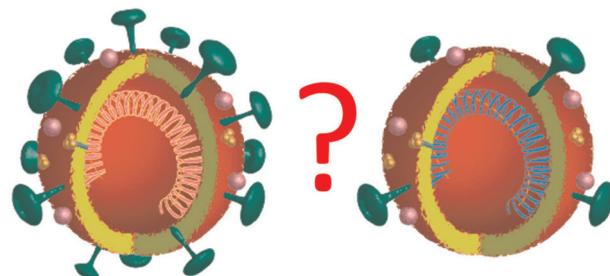
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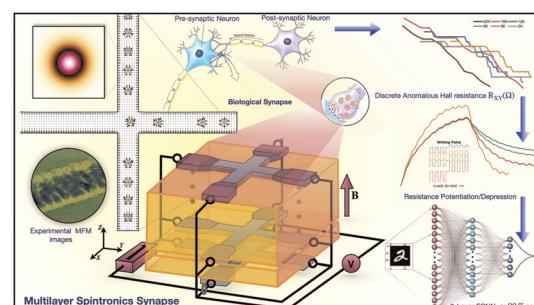


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Multilayer ferromagnetic spintronic devices for neuromorphic computing applications

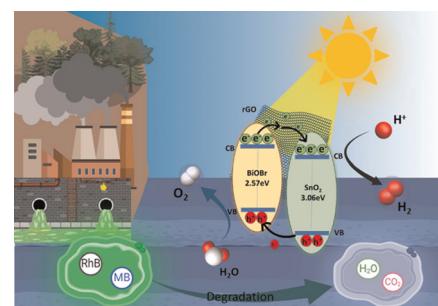
Aijaz H. Lone,* Xuecui Zou, Kishan K. Mishra, Venkatesh Singaravelu, R. Sbiaa, Hossein Fariborzi* and Gianluca Setti*



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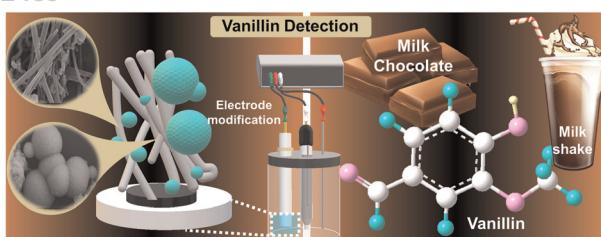
A novel GO hoisted SnO₂–BiOBr bifunctional catalyst for the remediation of organic dyes under illumination by visible light and electrocatalytic water splitting

Manshu Dhillon, Abhishek Naskar, Neha Kaushal, Shekhar Bhansali, Avishek Saha and Avirup Kumar Basu*



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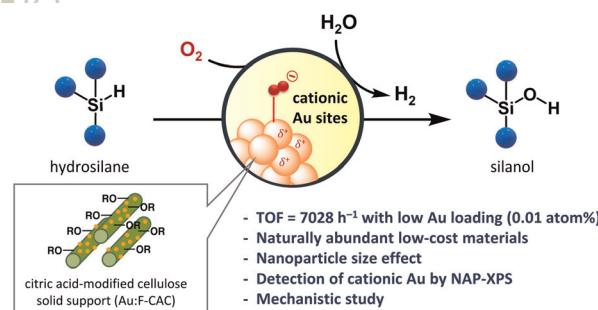
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Neodymium niobate nanospheres on functionalized carbon nanofibers: a nanoengineering approach for highly sensitive vanillin detection

I. Jenisha Daisy Priscillal and Sea-Fue Wang*

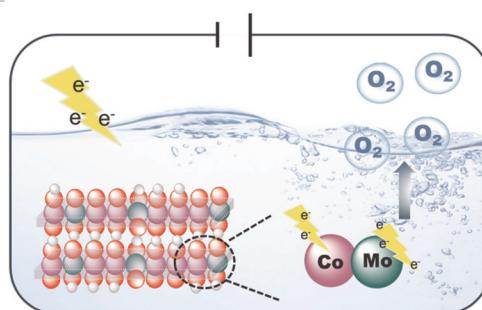
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Dehydrogenative oxidation of hydrosilanes using gold nanoparticle deposited on citric acid-modified fibrillated cellulose: unveiling the role of molecular oxygen

Butsaritip Suwattananuruk, Yuta Uetake,* Rise Ichikawa, Ryo Toyoshima, Hiroshi Kondoh and Hidehiro Sakurai*

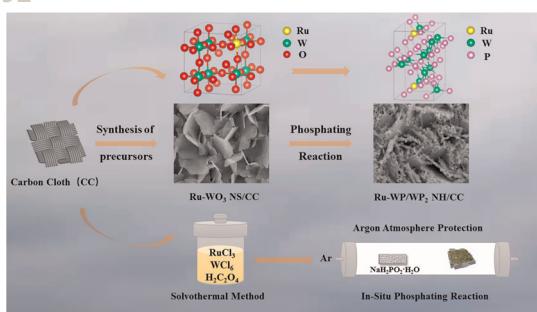
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Engineering high-valence metal-enriched cobalt oxyhydroxide catalysts for an enhanced OER under near-neutral pH conditions

Ruijing Dong, Jiajian Gao, Truong-Giang Vo, Shibo Xi, Choon Wee Kee, Xun Cao, Wei Chu* and Yan Liu*

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Ru doping and interface engineering synergistically boost the electrocatalytic performance of a WP/WP₂ nanosheet array for an efficient hydrogen evolution reaction

Zhichang Hu, Zhizhong Xiao, Wei Wei, Jian Yang, Xiaoyu Huang, Qingcheng Lu, Sundaram Chandrasekaran, Huidan Lu* and Yongping Liu*

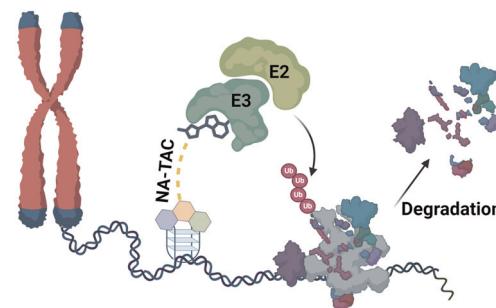


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Design and synthesis of nucleic acid nano-environment interactome-targeting small molecule PROTACs and their anticancer activity

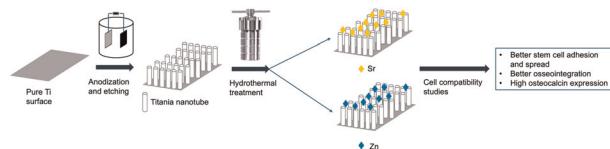
Sadiya Tanga, Arkadeep Karmakar, Arpita Hota, Paramita Banerjee and Basudeb Maji*



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Titania (TiO_2) nanotube surfaces doped with zinc and strontium for improved cell compatibility

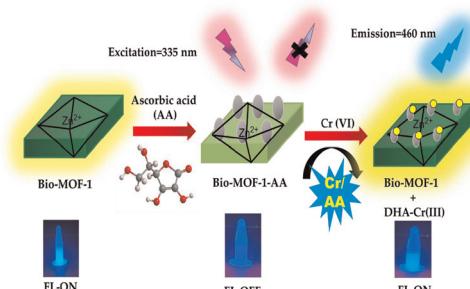
Abhishek Bhattacharjee, Bruno Pereira, Paulo Soares and Ketul C. Popat*



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Simple fluorochromic detection of chromium with ascorbic acid functionalized luminescent Bio-MOF-1

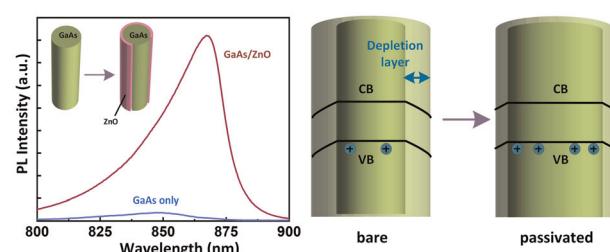
Gurjeet Kaur, Saloni Sharma, Neha Bhardwaj, Manoj K. Nayak* and Akash Deep*



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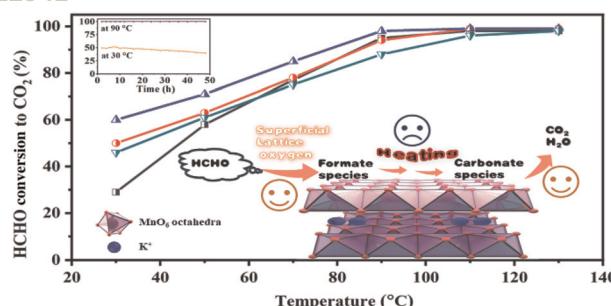
Effective surface passivation of GaAs nanowire photodetectors by a thin ZnO capping

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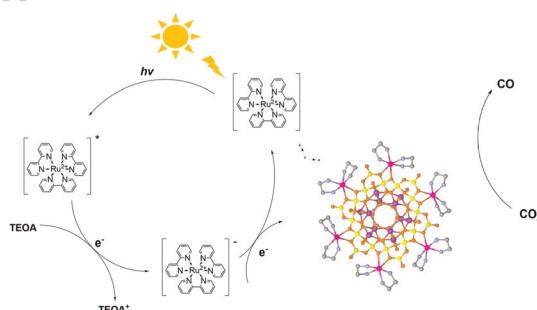
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Insights into the roles of superficial lattice oxygen in formaldehyde oxidation on birnessite

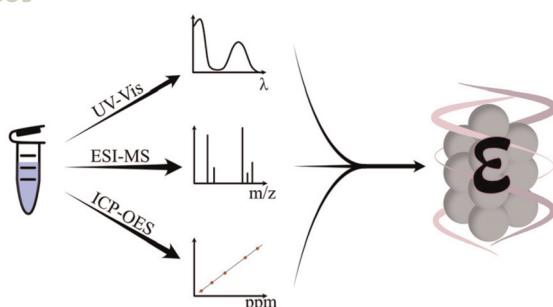
Zhaoxia Ma, Yongqi Li, Kongyuan Sun, Jahangeer Ahmed, Wei Tian* and Jinjia Xu*

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Guifen Li, Yulan Gu, Rui Ren, Sitan Li,* Houen Zhu, Dongdong Xue, Xiangyi Kong, Ziyi Zheng, Nuo Liu, Bei Li* and Jiangwei Zhang*

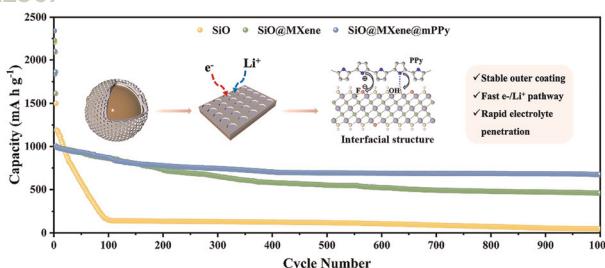
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Porous hybrid encapsulation enables high-rate lithium storage for a micron-sized SiO anode

Xiaoyi Chen, Guanjia Zhu,* Xinlin Zhang, Dandan Luo, Zhongling Cheng and Haijiao Zhang*

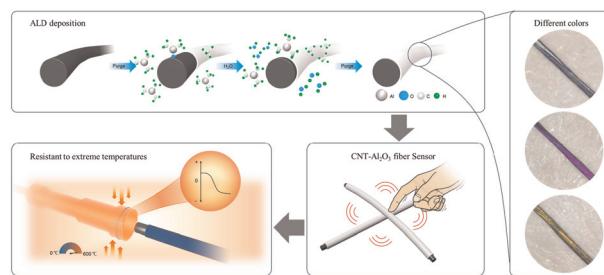


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A flexible precontact CNT-Al₂O₃ fiber sensor resistant to extreme temperatures

Xinghai Pan, Zisong Zhou, Yanling Liu, Yuhang Xiao, Sen Lin, Wei Pu and Haolun Wang*



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Multi-MXene assisted large-scale manufacturing of electrochemical biosensors based on enzyme-nanoflower enhanced electrodes for the detection of H₂O₂ secreted from live cancer cells

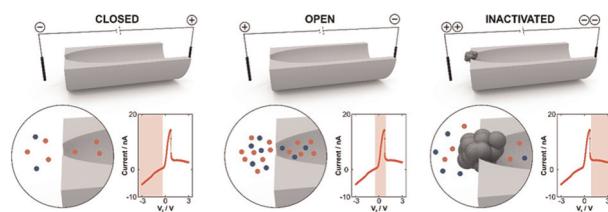
Wenwu Wang, Zeyu Ma, Qi Shao, Jiangwang Wang, Leixin Wu, Xiyao Huang, Zilu Hu, Nan Jiang, Jun Dai and Liang He*



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Insight into the transport of ions from salts of moderated solubility through nanochannels: negative incremental resistance assisted by geometry

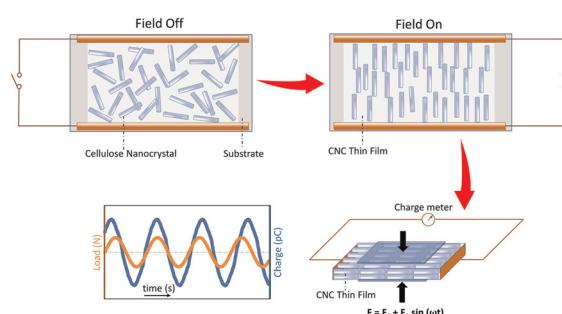
Gregorio Laucirica,* L. Miguel Hernández Parra, Angel L. Huamani, Michael F. Wagner, Alberto G. Albesa, María Eugenia Toimil-Molares, Waldemar Marmisollé* and Omar Azzaroni*



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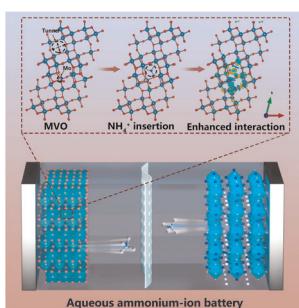
Electric field-modulated evaporative thin film deposition of bio-particles for piezoelectric applications

Sameer Mhatre,* Xun Niu, Gio F. Bautista, Sajana Sumanasinghe and Orlando J. Rojas*



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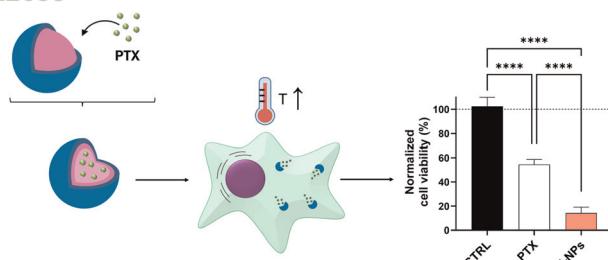
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Enhancing ammonium-ion storage in Mo-doped VO₂ (B) nanobelts-bundles anode for aqueous ammonium-ion batteries

Long Chen, Jie Zhang, Zuoshu Wang and Dewei Wang*

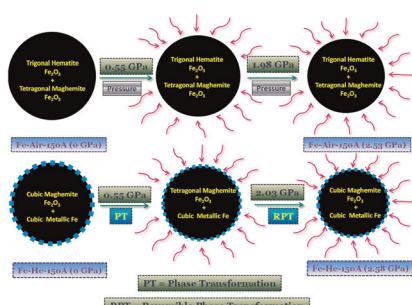
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Zwitterionic nanoparticles for thermally activated drug delivery in hyperthermia cancer treatment

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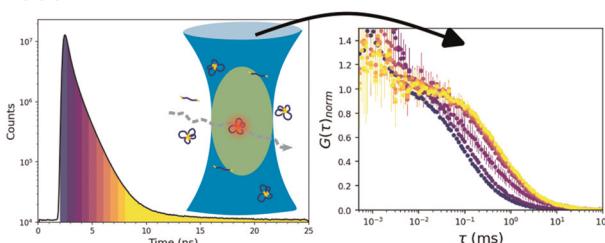
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Han Wang, Xi Zhang, Hongyu Zhu and Gang Xiang*

