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ISSN 2516-0230 CODEN NAADAI 6(16) 3981–4262 (2024)



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See Ning Zhang, Lan Dai, Wen Di *et al.*, pp. 4082–4093. Image reproduced by permission of Lan Dai from *Nanoscale Adv.*, 2024, **6**, 4082.



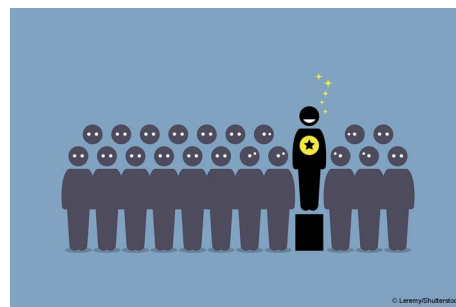
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See K. Gayathri and R. Vidya, pp. 3992–4014. Image reproduced by permission of K. Gayathri and R. Vidya from *Nanoscale Adv.*, 2024, **6**, 3992.

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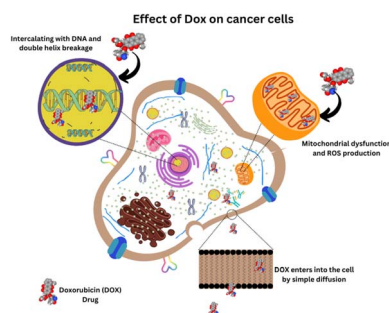


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Carbon nanomaterials as carriers for the anti-cancer drug doxorubicin: a review on theoretical and experimental studies

K. Gayathri and R. Vidya*



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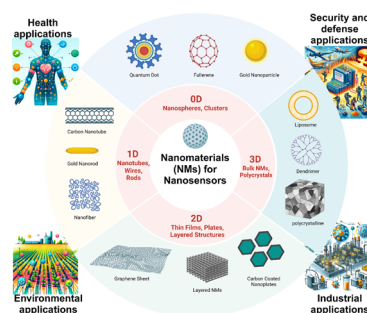
**Fundamental questions
Elemental answers**

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Duyen Thi Cam Nguyen, Ngoan Thi Thao Nguyen, Thuy Thi Thanh Nguyen and Thuan Van Tran*

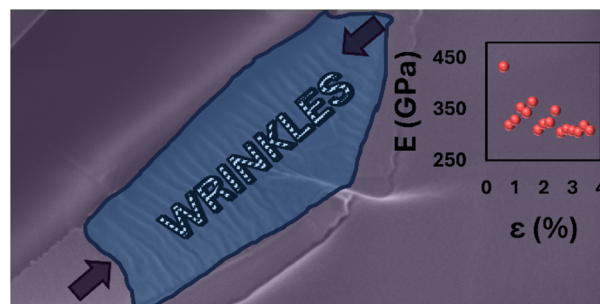


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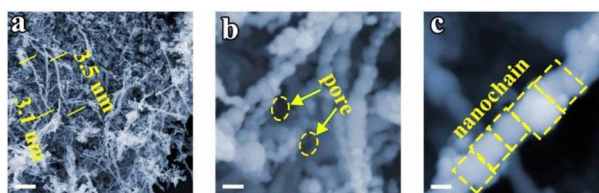
Yarden Mazal Jahn, Guy Alboteanu, Dan Mordehai and Assaf Ya'akovitz*



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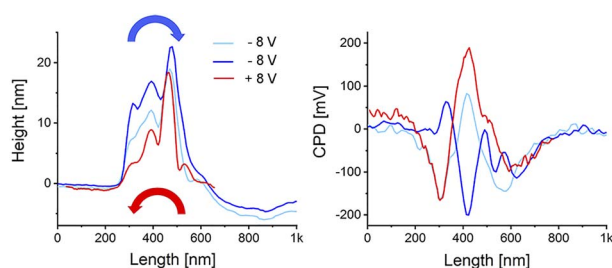
Accelerating the electron-transfer of nitrogen electro-fixation through assembling Fe nanoparticles into Fe nanochains

Rongkang Wang,* Jingyu Lu,* Xu Li and Chunyu Song



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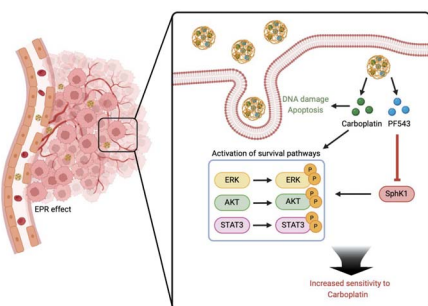


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Maja Remškar,^{*} Janez Jelenc, Nikolai Czepurnyi, Matjaž Malok, Luka Pirker, Rupert Schreiner and Andreas K. Hüttel

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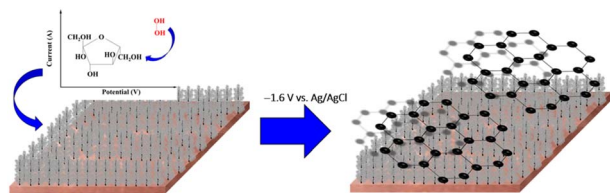
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Nanoparticle co-delivery of carboplatin and PF543 restores platinum sensitivity in ovarian cancer models through inhibiting platinum-induced pro-survival pathway activation

Chen Wang, Qing Li, Keqi Song, Wenjing Wang, Ning Zhang,^{*} Lan Dai^{*} and Wen Di^{*}

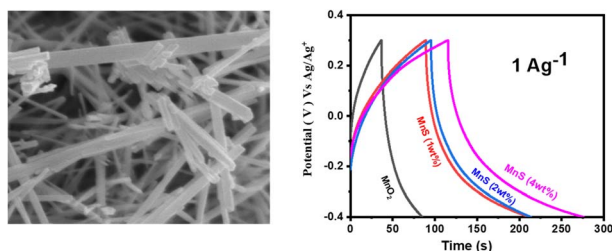
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Mizanur Rahaman, Md. Roxy Islam and Muhammad Rakibul Islam^{*}

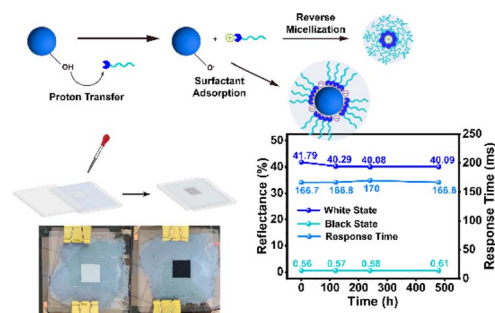


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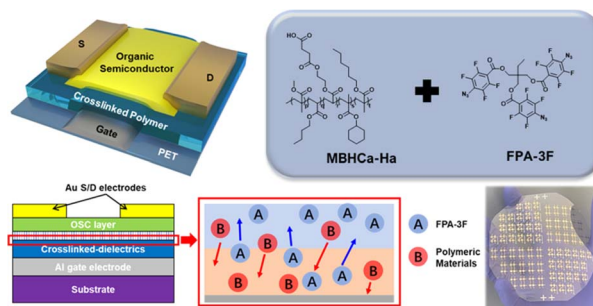
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Surface engineering of high-*k* polymeric dielectric layers with a fluorinated organic crosslinker for use in flexible-platform electronics

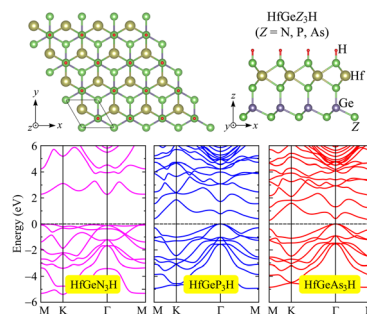
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Large piezoelectric responses and ultra-high carrier mobility in Janus HfGeZ₃H (Z = N, P, As) monolayers: a first-principles study

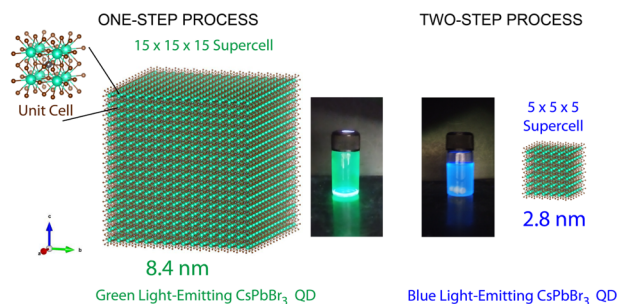
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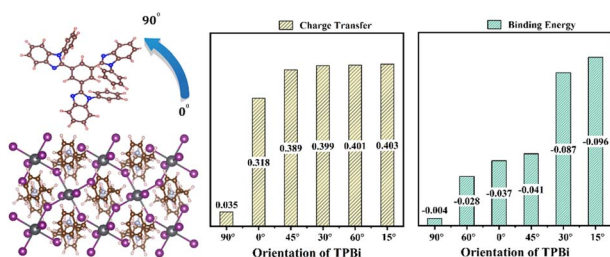
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Cesium lead bromide perovskite nanocrystals synthesized via supersaturated recrystallization at room temperature: comparison of one-step and two-step processes

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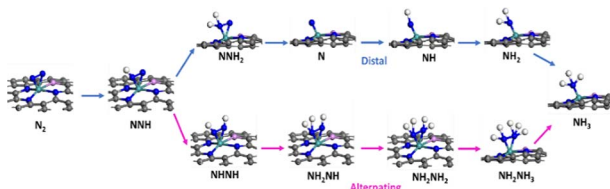
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Computational approaches to enhance charge transfer and stability in TPBi-(PEA)₂PbI₄ perovskite interfaces through molecular orientation optimization

Syed Muhammad Kazim Abbas Naqvi, Yanan Zhu,^{*} Hui Long, Zahid Nazir, Roman B. Vasiliev, Olga Kulakovich and Shuai Chang^{*}

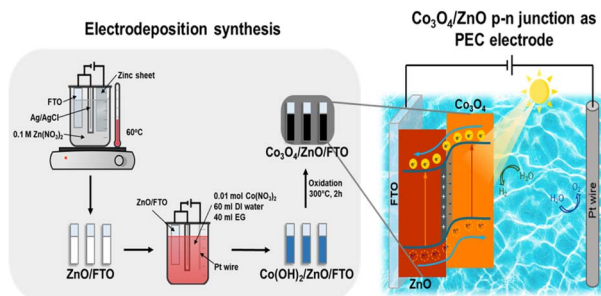
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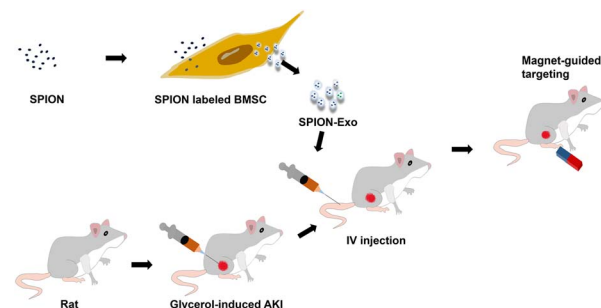
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Khanh Quang Nguyen, Hoang Thai Nguyen, Thach Khac Bui, Tien-Thanh Nguyen and Viet Van Pham^{*}

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Targeted treatment of rat AKI induced by rhabdomyolysis using BMSC derived magnetic exosomes and its mechanism

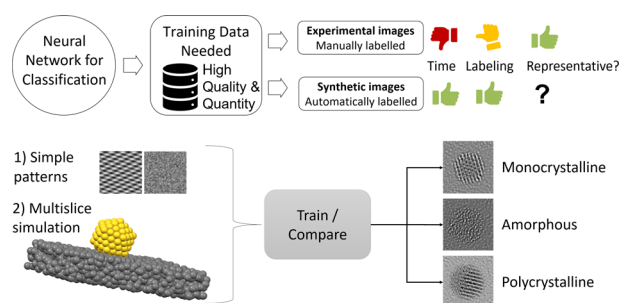
Yuling Chen^{*} and Shike Hou



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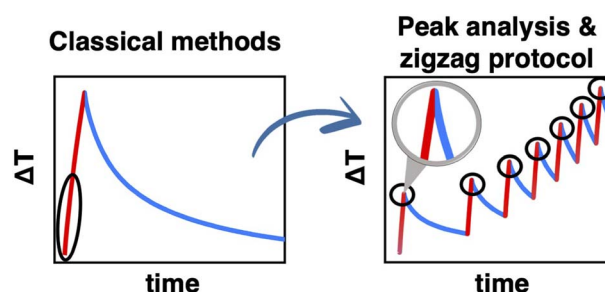
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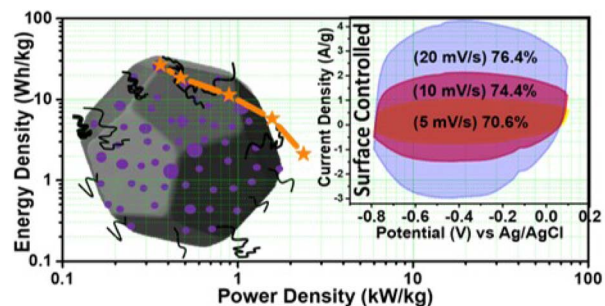
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Analyzing the charge contributions of metal–organic framework derived nanosized cobalt nitride/carbon composites in asymmetrical supercapacitors

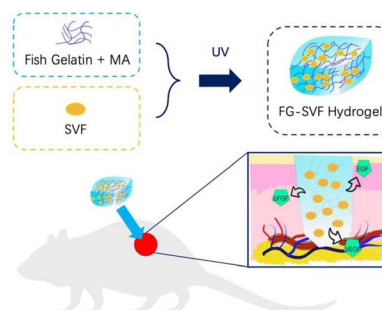
Vishal Shrivastav,* Mansi, Prashant Dubey, Umesh K. Tiwari, Akash Deep, Wojciech Nogala* and Shashank Sundriyal*



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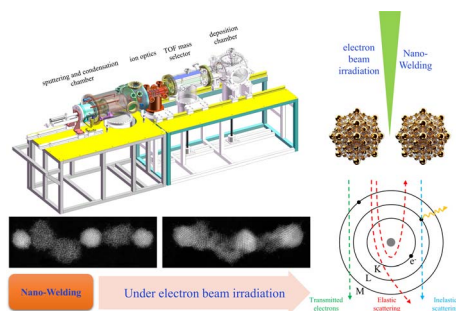
A tilapia skin-derived gelatin hydrogel combined with the adipose-derived stromal vascular fraction for full-thickness wound healing

Yanan Luo, Manfei Fu, Ziyi Zhou, Xiaopei Zhang, Qingxia Guo, Yawen Wang, Weina Zhang, Yuanfei Wang,* Zhenyu Chen* and Tong Wu*



PAPERS

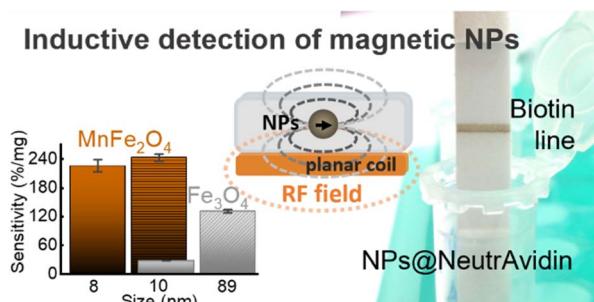
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Mn-ferrite nanoparticles as promising magnetic tags for radiofrequency inductive detection and quantification in lateral flow assays

Vanessa Pilati,* María Salvador, Leyre Bei Fraile, José Luis Marqués-Fernández, Franciscarlos Gomes da Silva, Mona Fadel, Ricardo López Antón, María del Puerto Morales, José Carlos Martínez-García and Montserrat Rivas

CORRECTION

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Correction: Beyond Newton's law of cooling in evaluating magnetic hyperthermia performance: a device-independent procedure

Sergiu Ruta,* Yilian Fernández-Afonso, Samuel E. Rannala, M. Puerto Morales, Sabino Veintemillas-Verdaguer, Carlton Jones, Lucía Gutiérrez,* Roy W. Chantrell and David Serantes

