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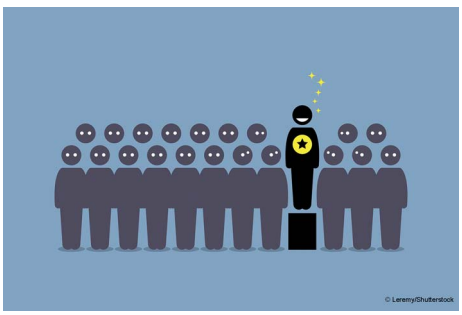
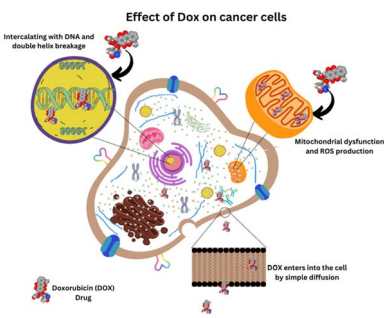
See Ning Zhang, Lan Dai, Wen Di *et al.*, pp. 4082–4093. Image reproduced by permission of Lan Dai from *Nanoscale Adv.*, 2024, **6**, 4082.

Inside cover
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.

EDITORIAL



REVIEWS



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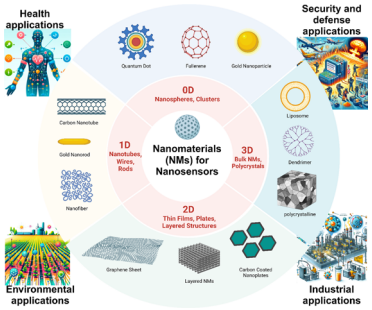
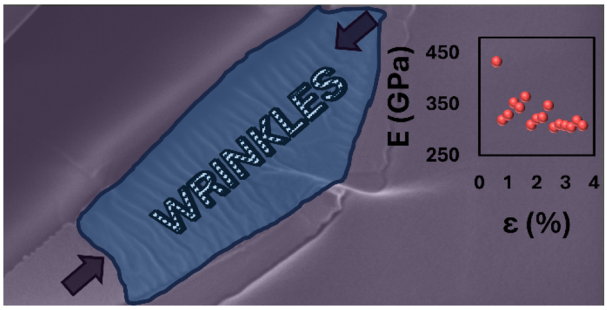
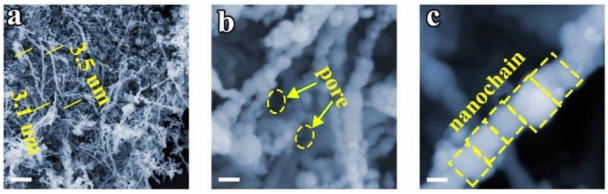


COMMUNICATIONS





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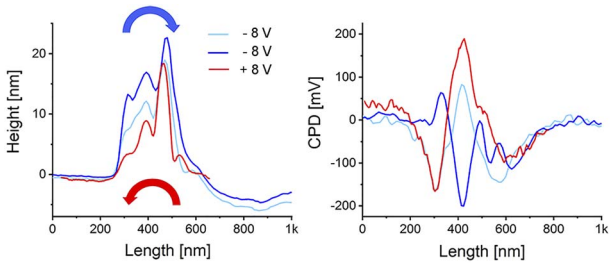
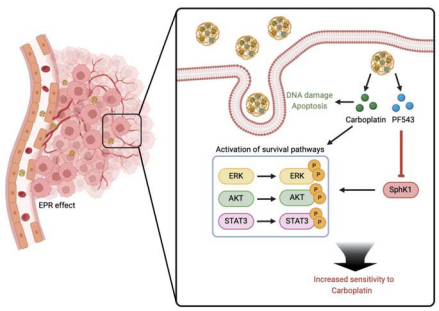


Modulations of the work function and morphology of a single MoS_2 nanotube by charge injection

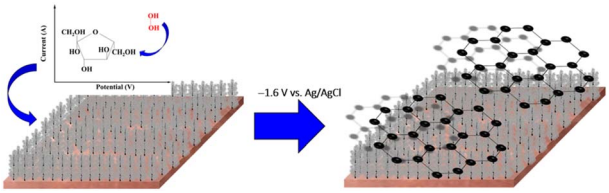
Maja Remškar,* Janez Jelenc, Nikolai Czepurnyi, Matjaž Malok, Luka Pirker, Rupert Schreiner and Andreas K. Hüttel

PAPERS



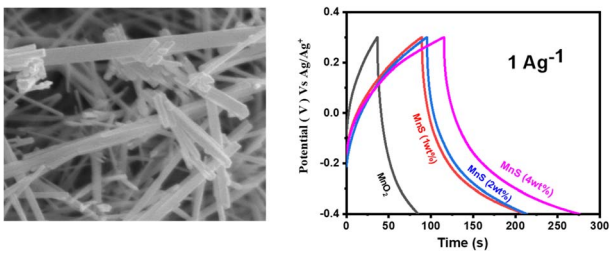
Nanoparticle co-delivery of carboplatin and PF543 restores platinum sensitivity in ovarian cancer models through inhibiting platinum-induced pro-survival pathway activation

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



Room temperature synthesis of 3D-nanocrystalline graphitic carbon from biomass-derived sugars, alcohols, and polyphenolic compounds

Wiyanti Fransisca Simanullang, Rungkiat Nganglumpoon, Suthasinee Watmanee, Piriya Pinthong, Weerachon Tolek, Yan Liu and Joongjai Panpranot*



Improved electrochemical performance of defect-induced supercapacitor electrodes based on MnS-incorporated MnO_2 nanorods

Mizanur Rahaman, Md. Roxy Islam and Muhammad Rakibul Islam*

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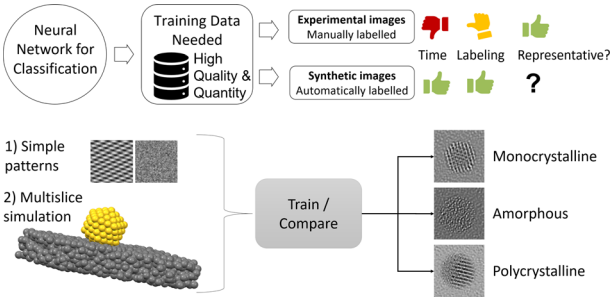

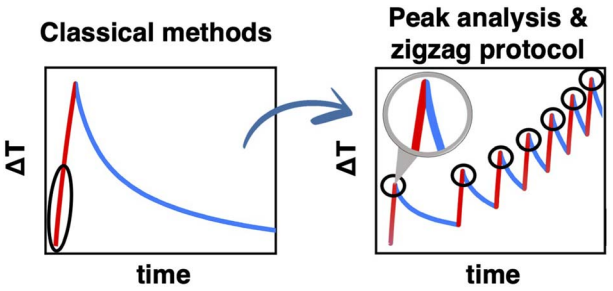

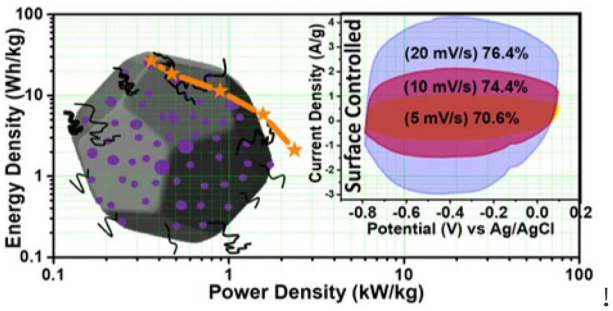

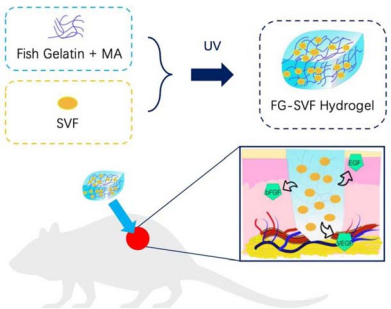

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