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Cover
See Miroslav Medveď, Michal Otyepka *et al.*, pp. 7780–7789.

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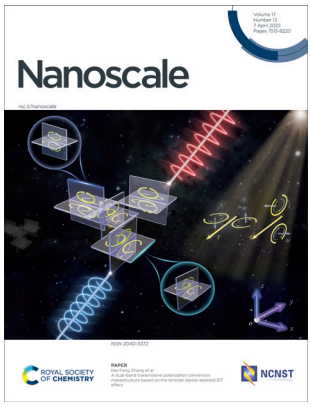

Inside cover
See Hai-Feng Zhang *et al.*, pp. 7790–7800.

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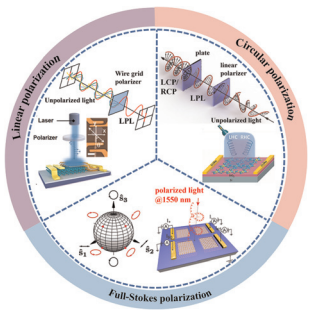
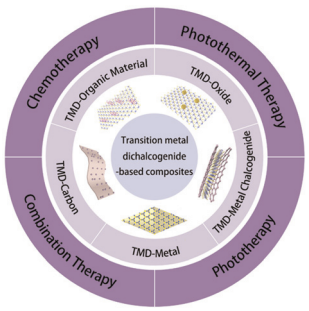
REVIEWS





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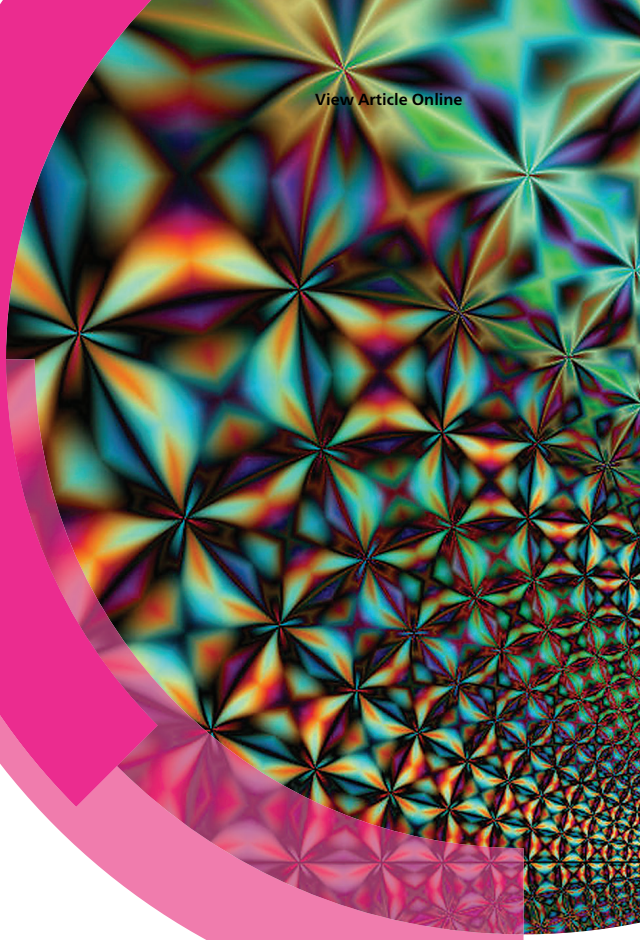

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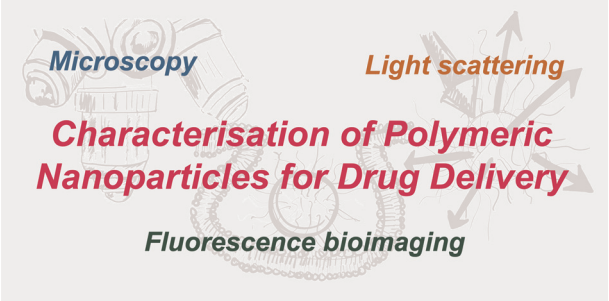

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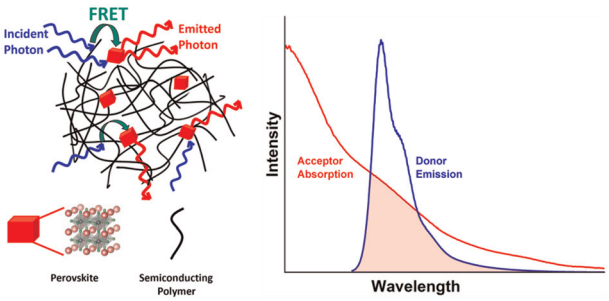

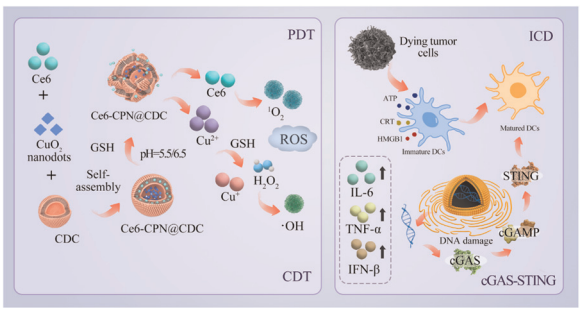

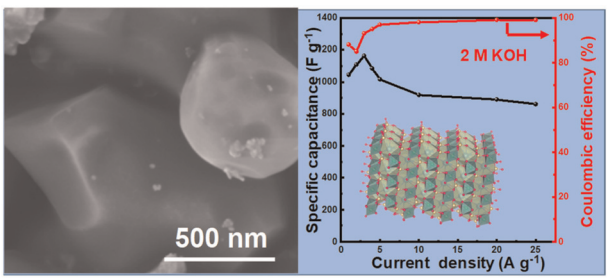

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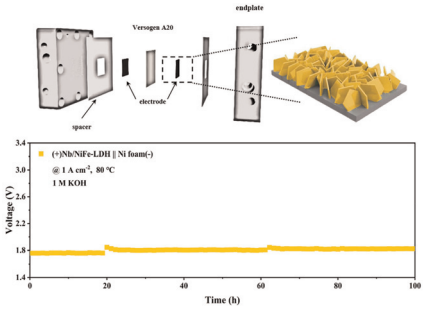
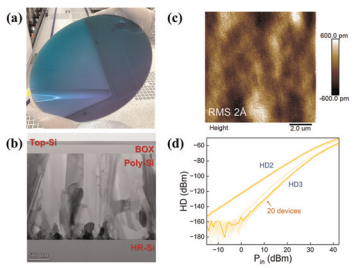
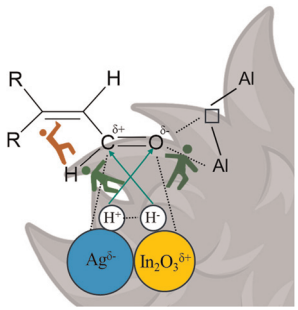
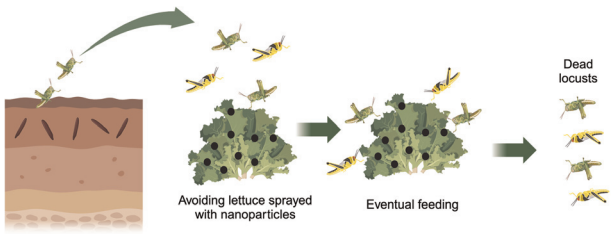




(a) Photograph of a self-developed 300 mm RF-SOI wafer; (b) Cross-section TEM image of the RF-SOI wafer; (c) AFM images of RF-SOI surface after non-contact smoothing; (d) Harmonic distortion of RF-SOI substrate.





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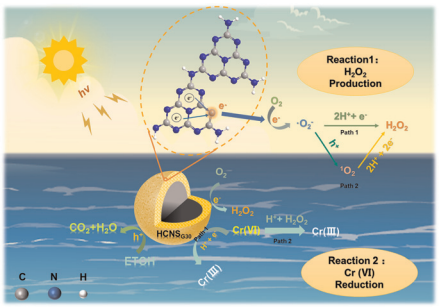

Rational synthesis of carbon-rich hollow carbon nitride spheres for photocatalytic H_2O_2 production and Cr(VI) reduction

Yong Hu, Zhenchun Yang, Dandan Zheng,* Wandong Xing* and Guigang Zhang*

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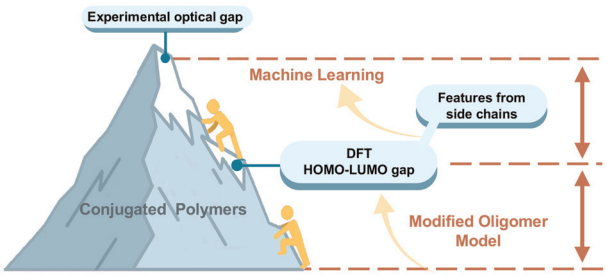

Harnessing DFT and machine learning for accurate optical gap prediction in conjugated polymers

Bin Liu, Yunrui Yan and Mingjie Liu*

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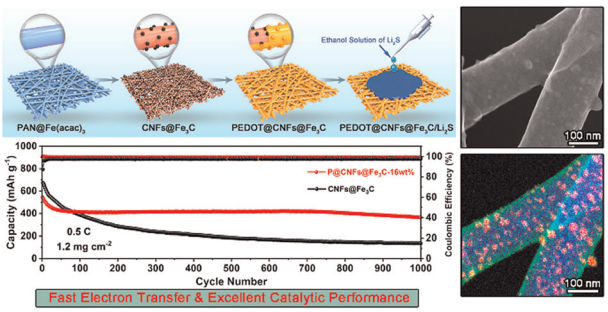

Self-supporting poly(3,4-ethylenedioxythiophene) and Fe_3C Co-decorated electrospun carbon nanofibers as Li_2S supporters for lithium–sulfur batteries

Na Yang, Jiarui Xue, Yuanxiao Ji, Jiyuan Zhang, Weiye Zhang, Xuexia He, Qi Li, Zhibin Lei,* Zonghuai Liu and Jie Sun*

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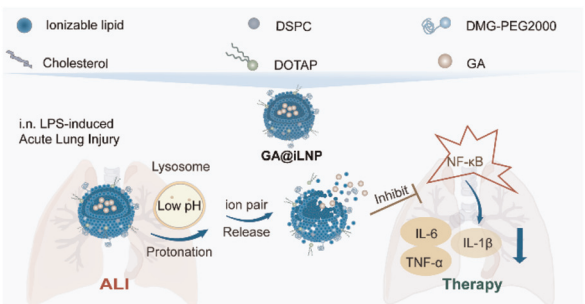

Ionizable lipid nanoparticles enhance lung delivery of gold nanoclusters for improving acute lung injury alleviation

Yongning Bian, Yanggege Li, Dongfang Xia, Yuanyu Huang, Xueyun Gao, Dongdong Su* and Qing Yuan*

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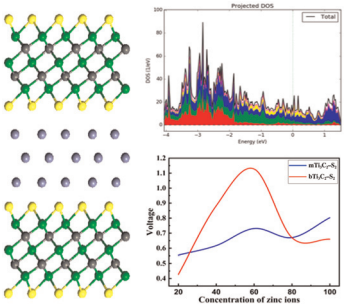

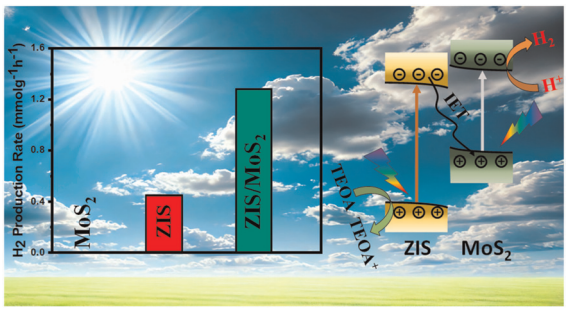

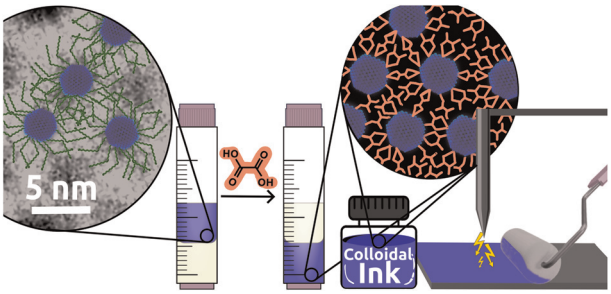

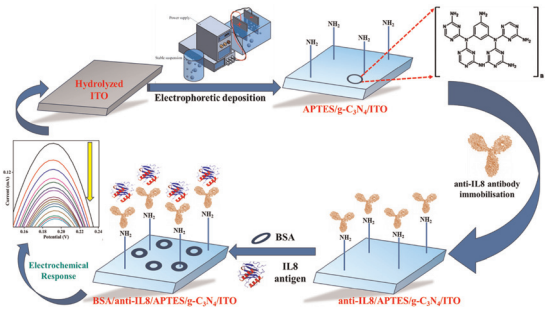

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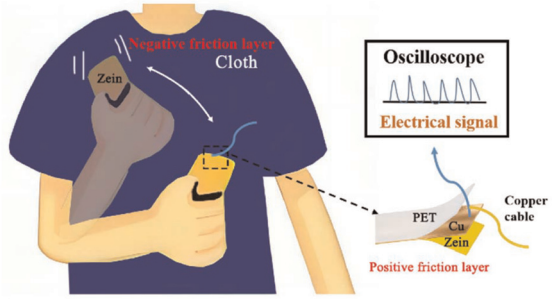

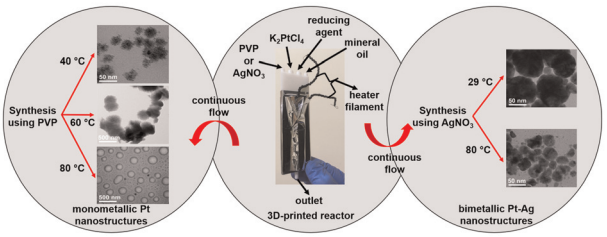

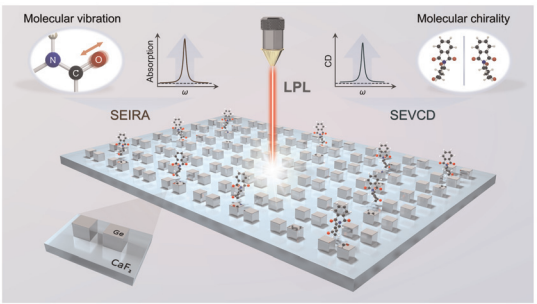

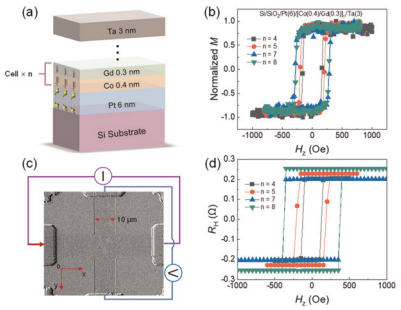

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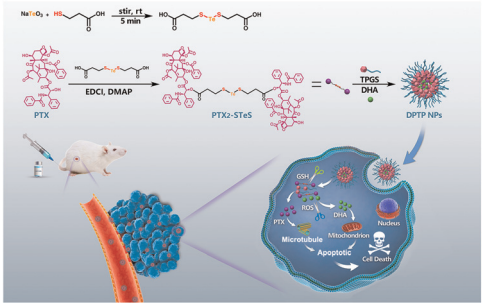

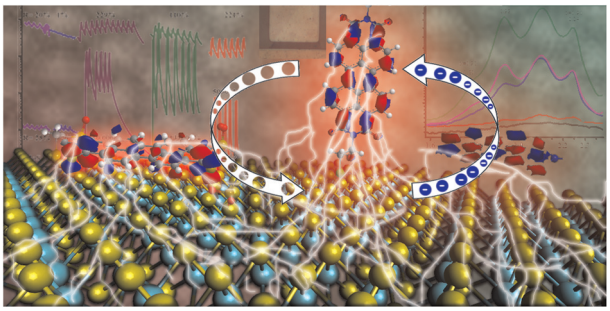

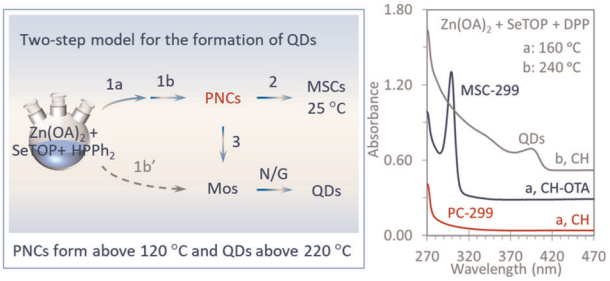

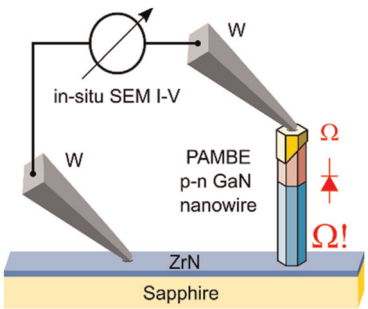

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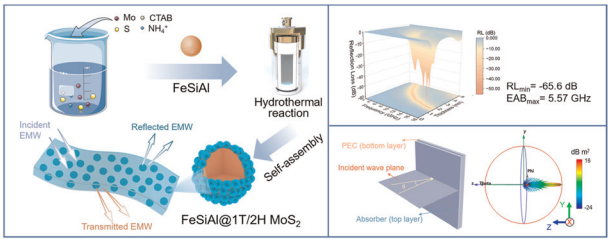

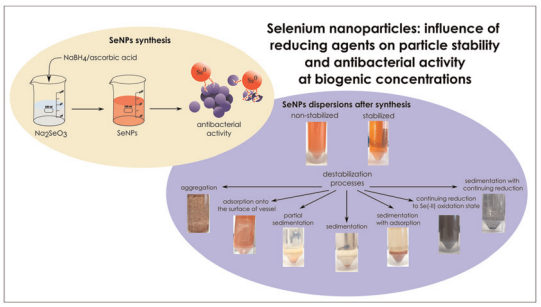

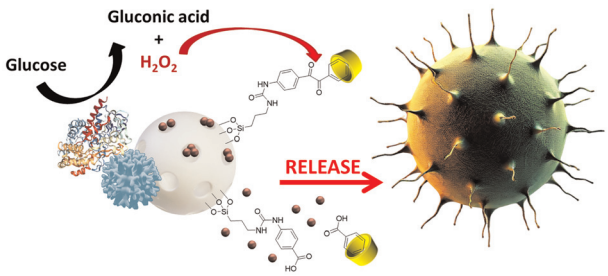

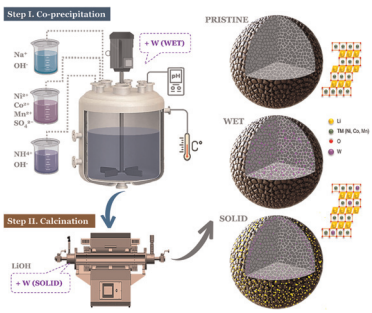

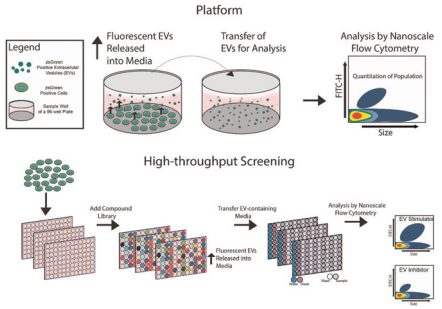

Identification of DYRK1b as a novel regulator of small extracellular vesicle release using a high throughput nanoscale flow cytometry screening platform

Sina Halvaei, Nikki Salmond and Karla C. Williams*