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Cover
See Thanh Tung Nguyen, Ewald Janssens *et al.*, pp. 5035–5044.
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Inside cover
See Zao Cheng and Patrizio Raffa, pp. 4939–4968.
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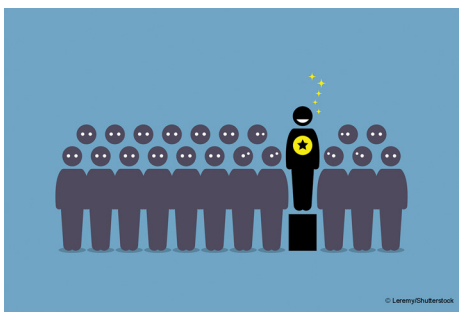
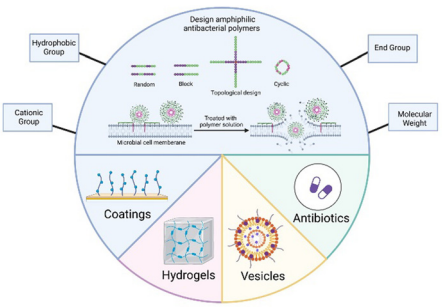
EDITORIAL



REVIEWS



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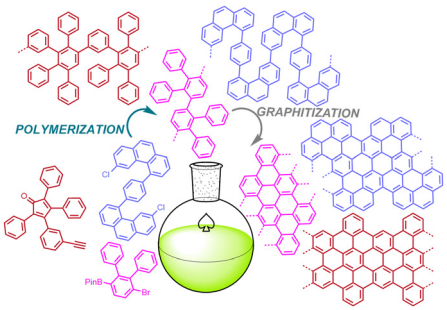
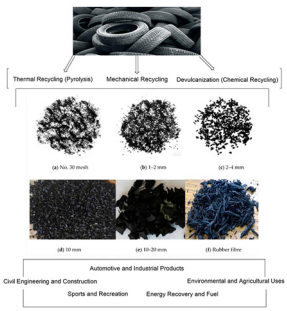
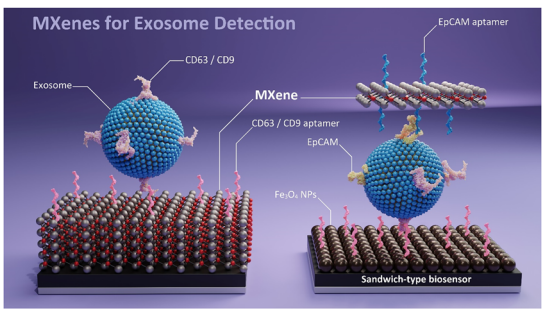
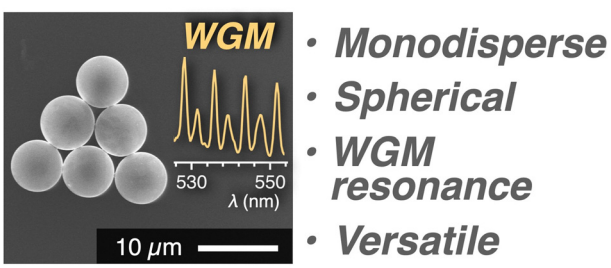






COMMUNICATION



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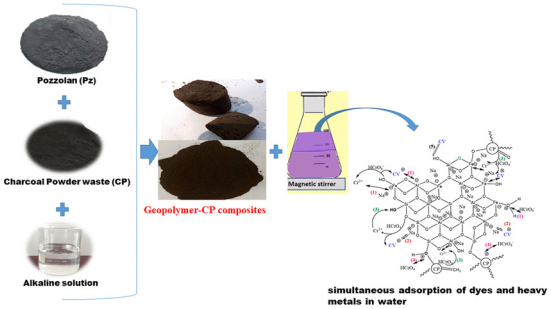

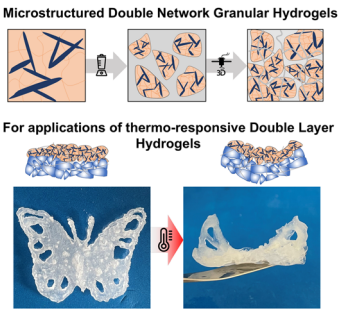

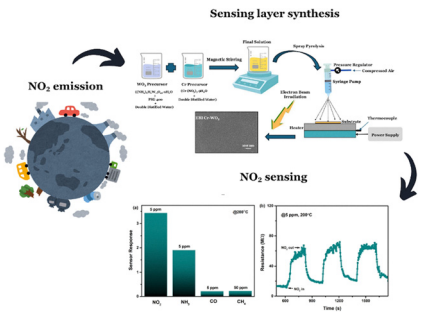

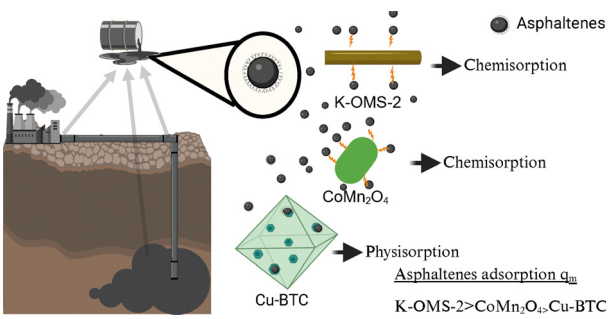

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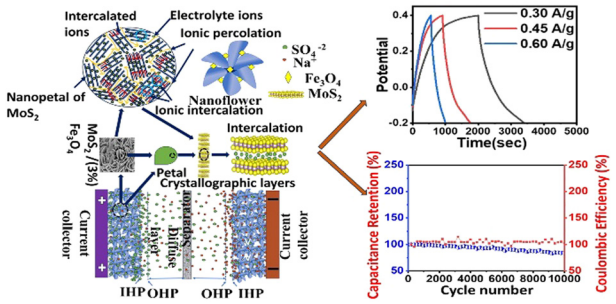

Defect mediated modulation of electrochemical efficacy and stability of Fe_3O_4 nanodiamond incorporated MoS_2 based hierarchical 2D nanostructures for high performance supercapacitor electrodes

Md. Raihan Siddiki, Shahid Abubakar Abtahee, Mehedi Hasan, Mizanur Rahaman, Muhammad Rakibul Islam and Md. Abdullah Zubair*

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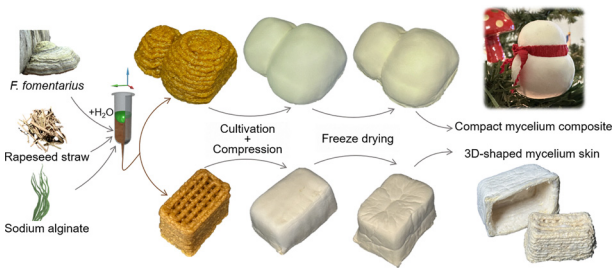

Extrusion-based additive manufacturing of complex three-dimensional ultra-lightweight materials using the basidiomycete *Fomes fomentarius*

Huaiyou Chen,* Bertram Schmidt, Andrew Gennett, Paul H. Kamm, Aleksander Gurlo, Vera Meyer and Ulla Simon*

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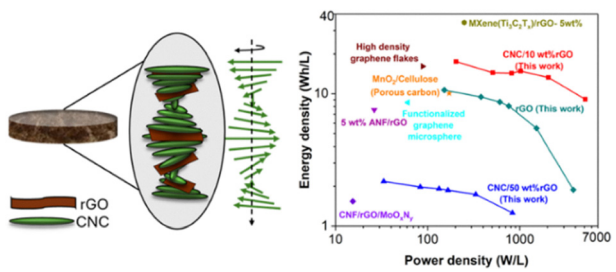

Chiral bioderived supercapacitor electrodes based on cellulose nanocrystals

Sai Gowtham Allu, Mirina E. Enderlin and Paraskevi Flouda*

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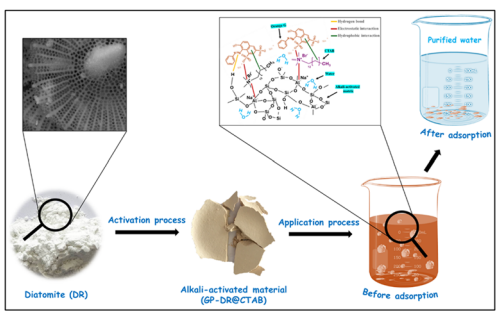

Enhanced adsorption of Orange G dye using activated diatomite: a novel functionalization approach

Youssef Ettahiri,* Ayoub Aziz, Khadija Felaous, Abdessalam Bouddouch, Brahim Akhsassi, Lahcen Bouna, Abdeljalil Benlhachemi and Luis Pérez-Villarejo

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