

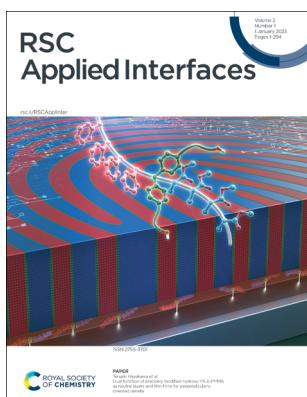
RSC Applied Interfaces

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See Teruaki Hayakawa et al.,
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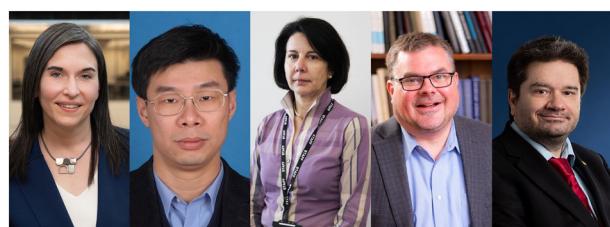
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The first year of *RSC Applied Interfaces*: a retrospective

Shelley A. Claridge, Jianbin Huang, Serena Margadonna,
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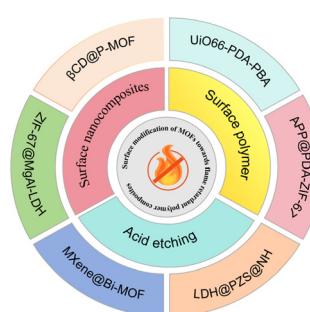


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Surface modification of MOFs towards flame retardant polymer composites

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Fundamental questions
Elemental answers



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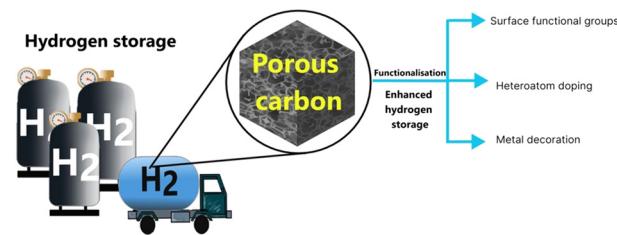


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Porous carbons: a class of nanomaterials for efficient adsorption-based hydrogen storage

Lila A. M. Mahmoud, Jemma L. Rowlandson, David J. Fermin, Valeska P. Ting* and Sanjit Nayak*

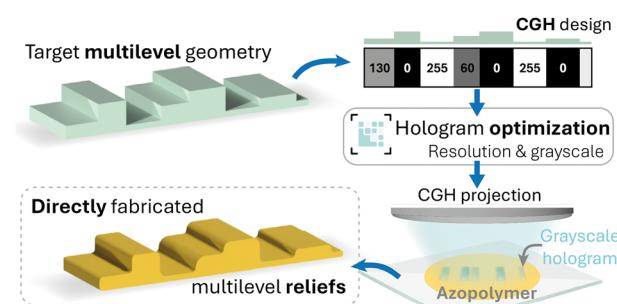


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Multilevel azopolymer patterning from digital holographic lithography

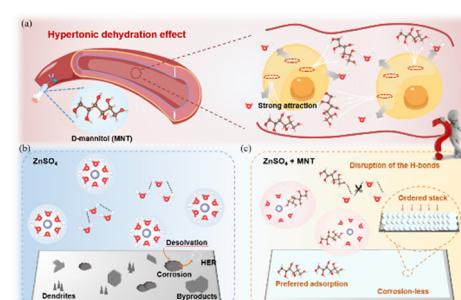
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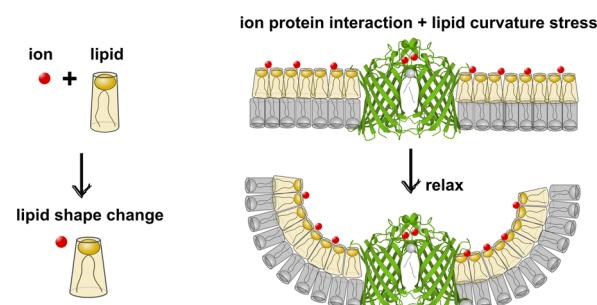
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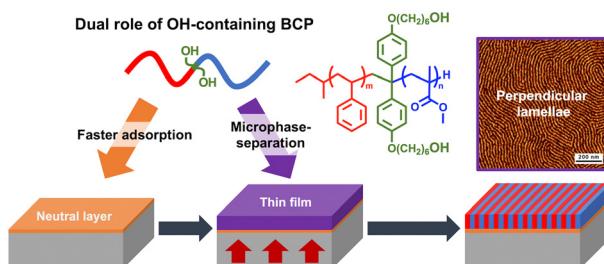
Metal ion cofactors modulate integral enzyme activity by varying differential membrane curvature stress

Paulina Piller, Paul Reiterer, Enrico F. Semeraro and Georg Pabst*



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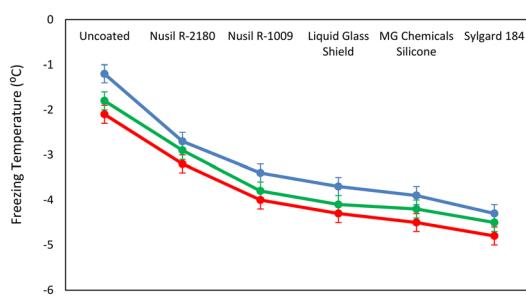
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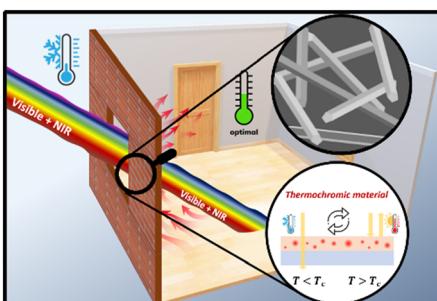
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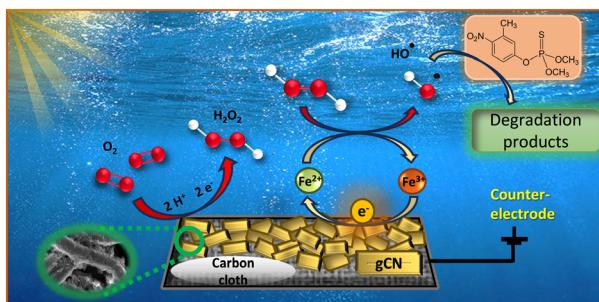
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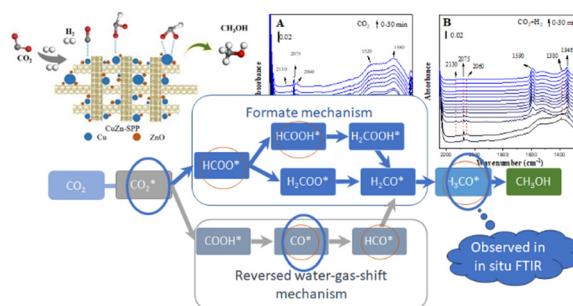


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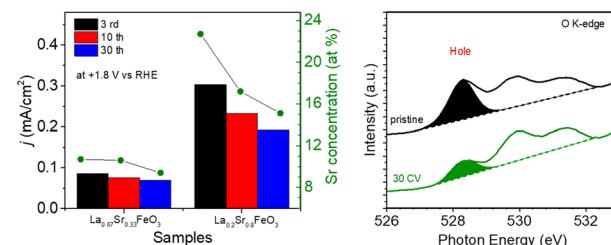
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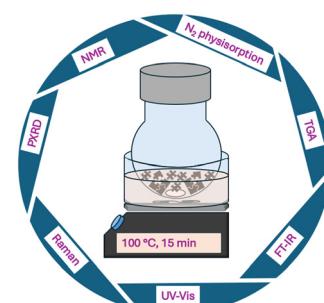
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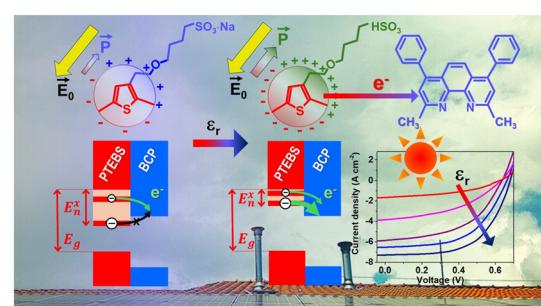
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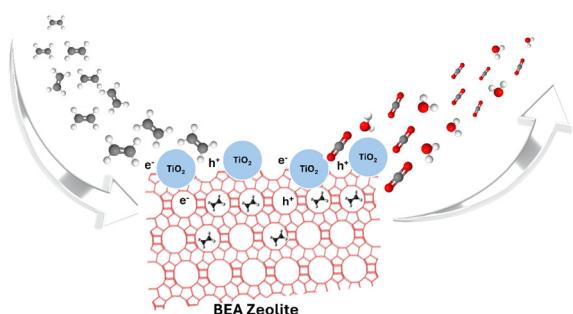
Dielectric-constant effects on the exciton dissociation and photovoltaic conversion efficiency of water-soluble green conducting polymers

Xin Wei, Daniel Williams and Giovanni Fanchini*



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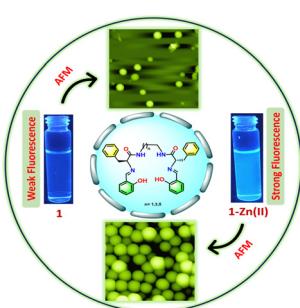
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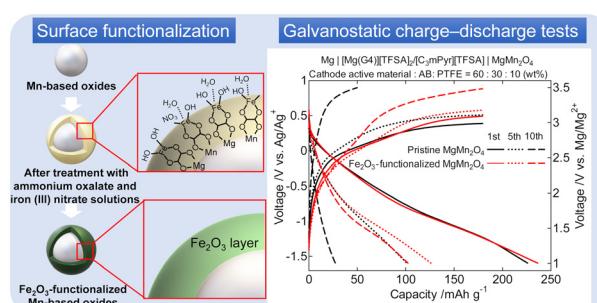
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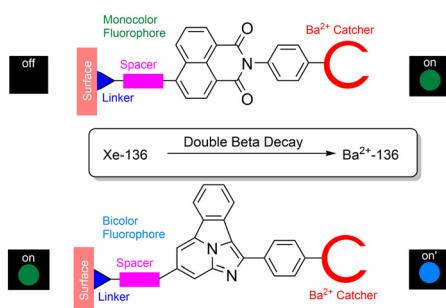
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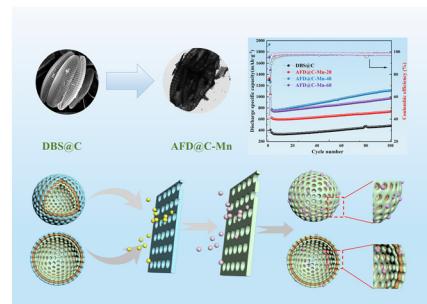
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A diatom frustule-based $Mn_2SiO_4@C@SiO_2$ multilayer-structure composite as a high-performance anode electrode material for lithium-ion batteries

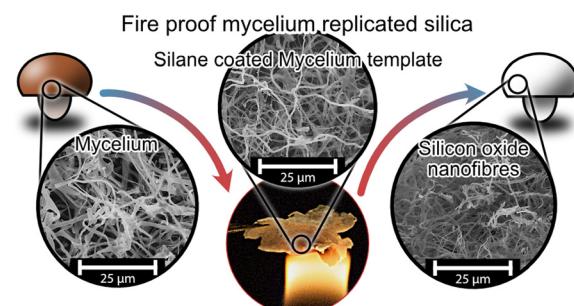
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Silicon oxide nanofibers using fungi mycelium as template material/from water purification to space insulation

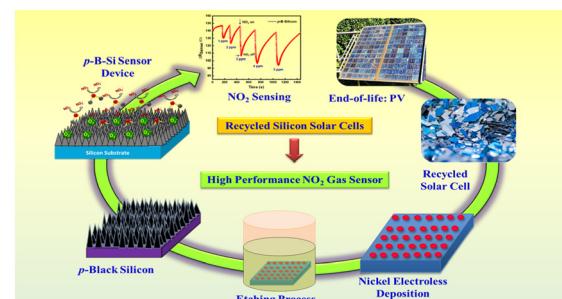
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Recycled silicon solar cell-derived nanostructured p-black silicon device for high performance NO_2 gas sensor applications

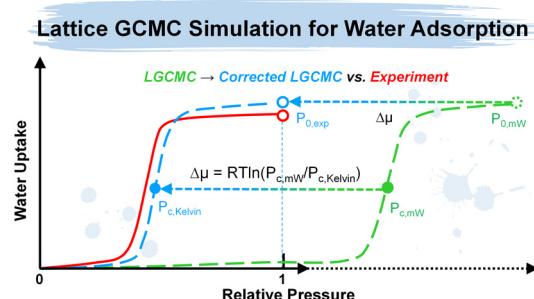
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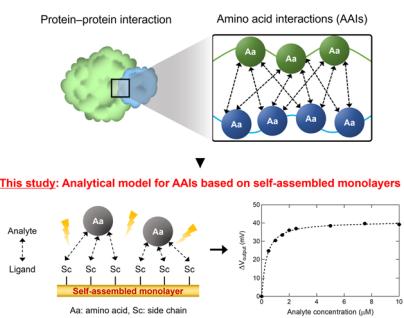
High-efficiency prediction of water adsorption performance of porous adsorbents by lattice grand canonical Monte Carlo molecular simulation

Zhilu Liu, Wei Li and Song Li*



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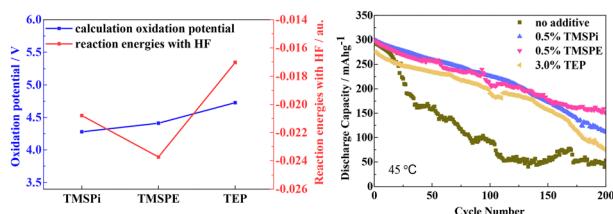
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Analysis of interactions between amino acids and monolayers of charged side chains

Akira Nomoto, Kentaro Shiraki and Tsukuru Minamiki*

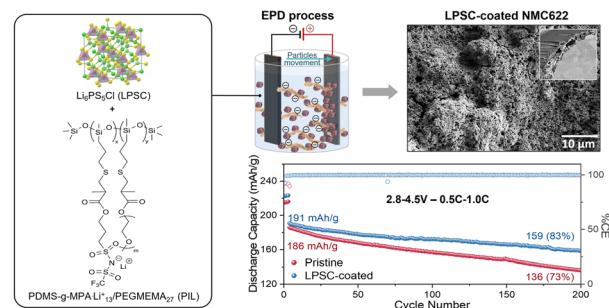
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A phosphite derivative with stronger HF elimination ability as an additive for Li-rich based lithium-ion batteries at elevated temperatures

Xiangzhen Zheng, Tao Huang, Ying Pan, Yongwei Chen, Mingdeng Wei* and Maoxiang Wu*

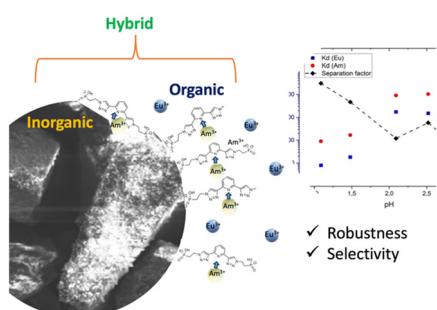
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