

Materials Advances

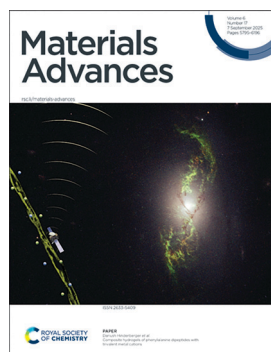
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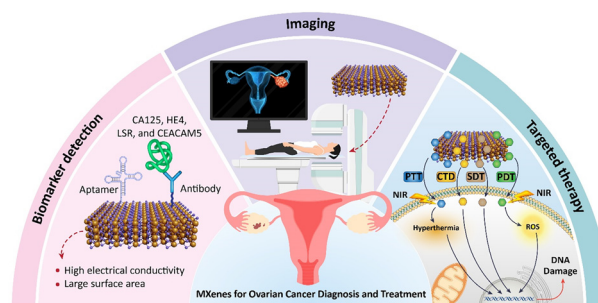
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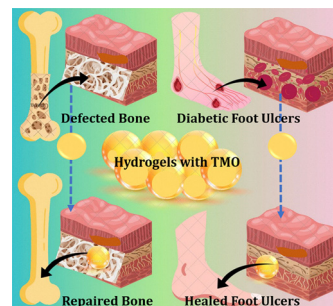
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Unveiling the development principles and mechanistic understanding of controlled drug delivery strategies for chronic bone defects and diabetic wound management

Shikha Awasthi



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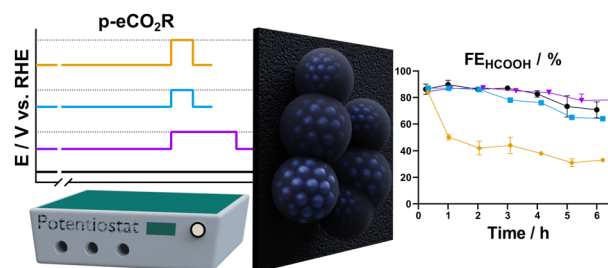


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Countering *in situ* reduction of SnO₂ during electrochemical CO₂ conversion via oxidative pulsing

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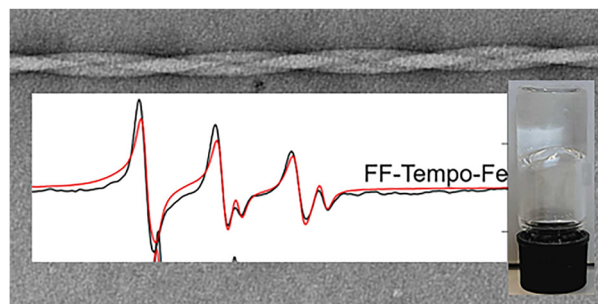


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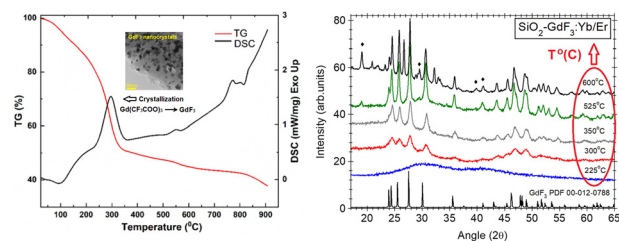
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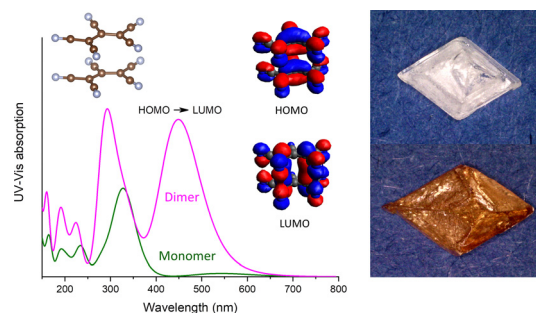
C. E. Secu, C. Bartha and M. Secu*



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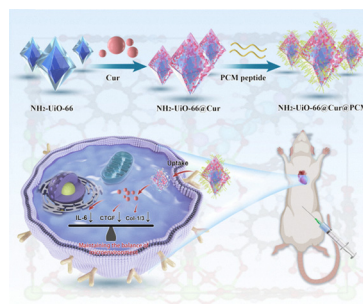
Hanen Mechi, Arthur Mantel, Vipin Mishra, Yuto Urano, Ryo Kitaura and Hidetsugu Shiozawa*



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Biomaterialized metal–organic frameworks targeting collagen for suppression of myocardial fibrosis and enhancement of cardiac function

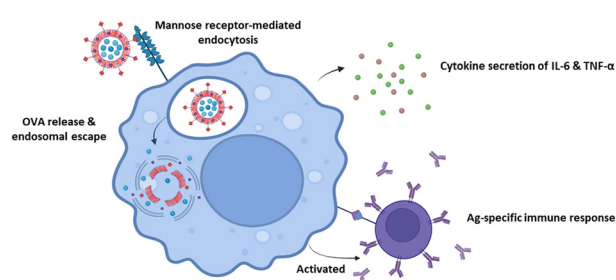
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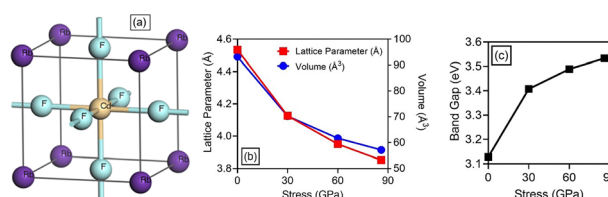
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A DFT study to evaluate the modulation in the band gap, elastic, and optical performances of RbCdF₃ under the influence of stress

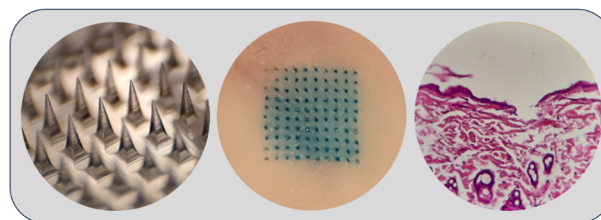
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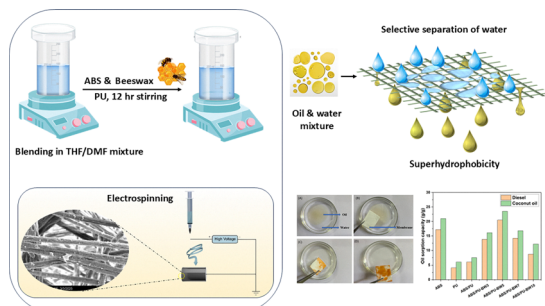
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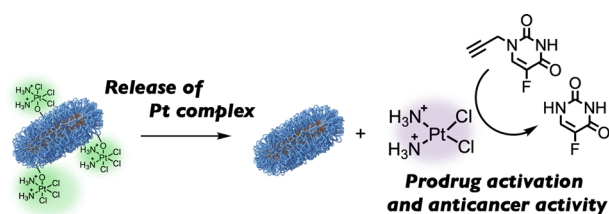
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Beeswax-modified super hydrophobic acrylonitrile butadiene styrene/polyurethane electrospun membrane for effective oil–water separation

Muhammed Shabeer, Maria Mathew, Manaf Olongal and Sujith Athiyathanil*

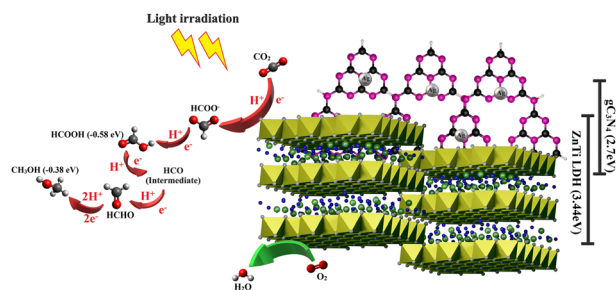
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Platinum catalyst-functionalized cylindrical graft copolymer micelles for dual catalytic and cytotoxic activity

Kyosuke Seryu, Chieri Inada and Tomoki Nishimura*

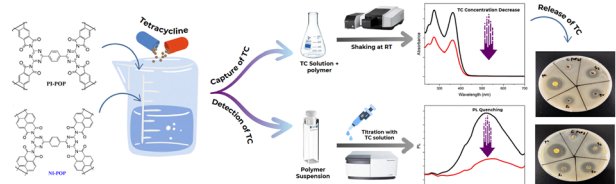
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A 3-in-1 multifunctional porous organic polyimide: detection, capture and controlled release of antibacterial drugs

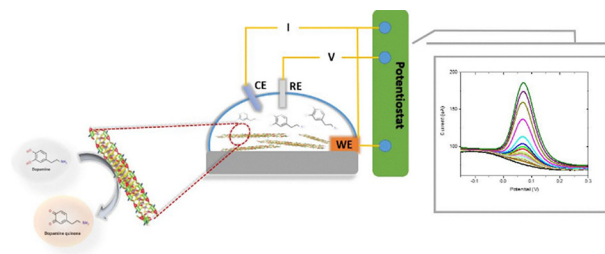
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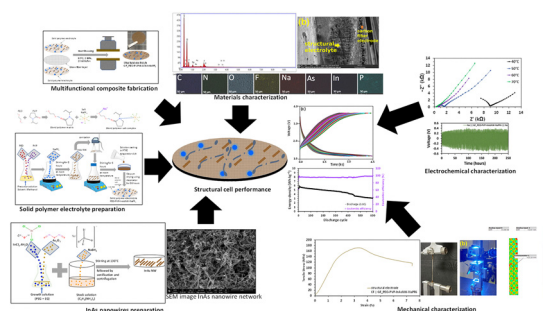
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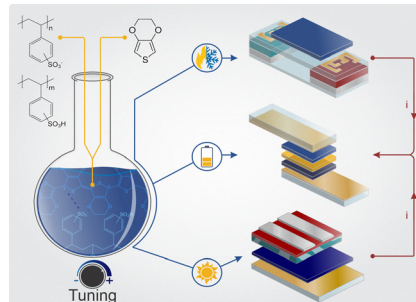
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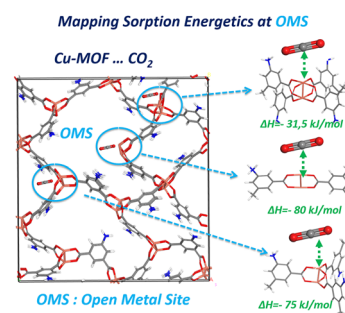
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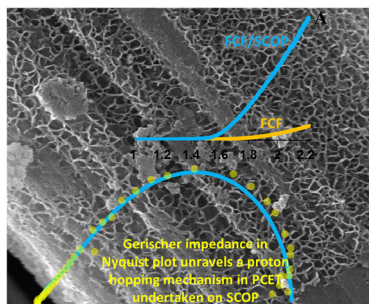
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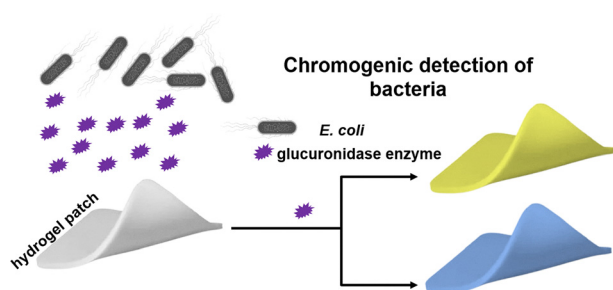
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3D honeycomb porous sulfonated covalent organic polymer (PCOP) synthesized on carbon fabric at refrigerated temperature: supercapacitor and metal-free proton relay for water oxidation in alkaline and neutral media

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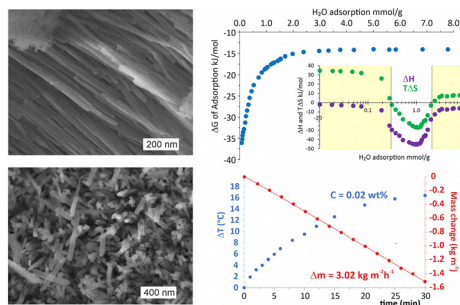
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Muhammad Atif, Gizem Babuççu, Martijn Riool,
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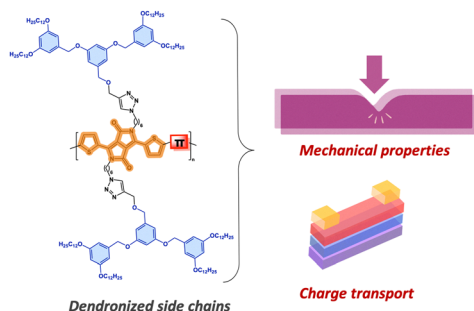
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Julia Moszczyńska, Xinying Liu, Yali Yao and
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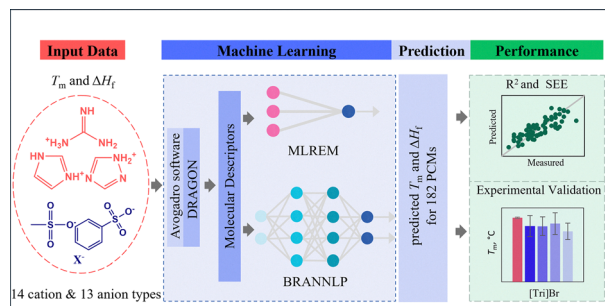
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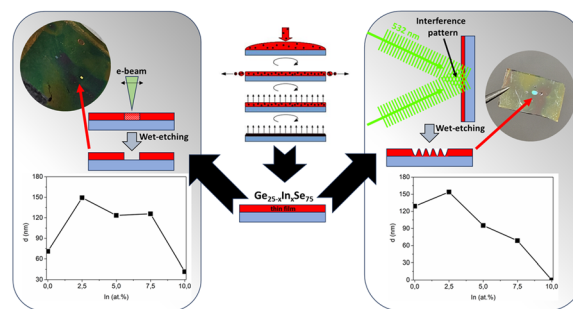
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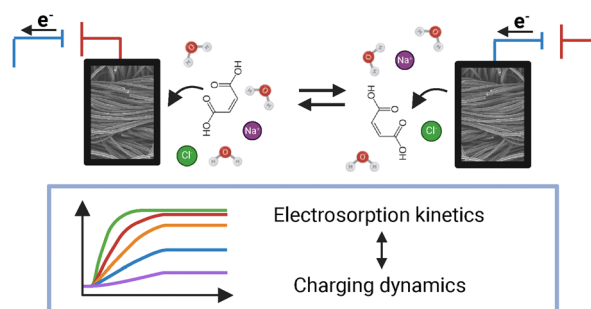
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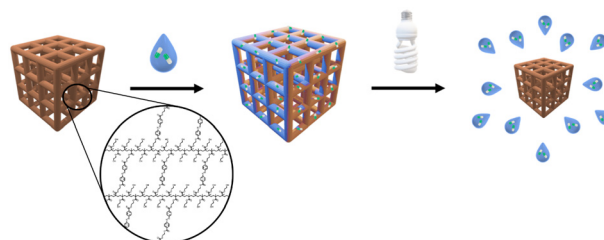
Dennis Röcker, Fabian Biebl, Lisa Meier, Sebastian Patrick Schwaminger, Paula Fraga-García* and Sonja Berensmeier*



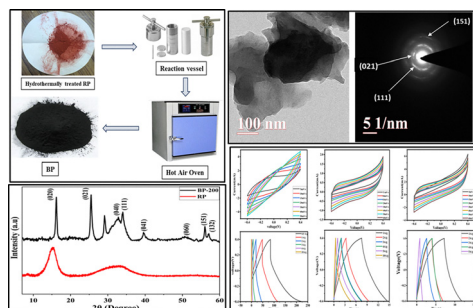
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Enhanced energy storage properties of red phosphorus/black phosphorus hybrid nanostructures

Shahbaz Ahmad and Mohd Zubair Ansari*

