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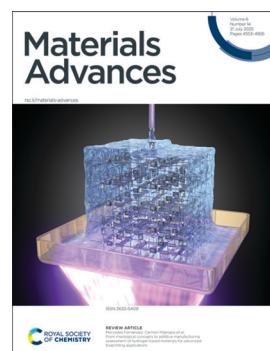
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Introduction to Advances in nanoporous metal films: production methods and applications

Eva Pellicer* and María Eugenia Toimil-Molares*

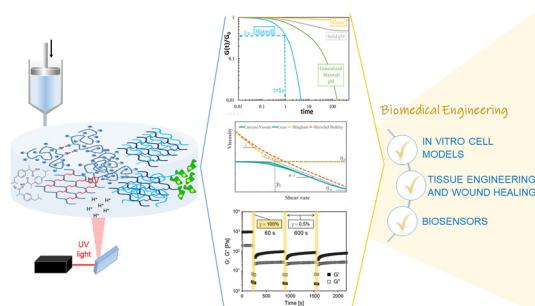


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From rheological concepts to additive manufacturing assessment of hydrogel-based materials for advanced bioprinting applications

M. Itxaso Calafel, Miryam Criado-Gonzalez,
Robert Aguirresarobe, Mercedes Fernández* and
Carmen Mijangos*





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Fundamental questions
Elemental answers

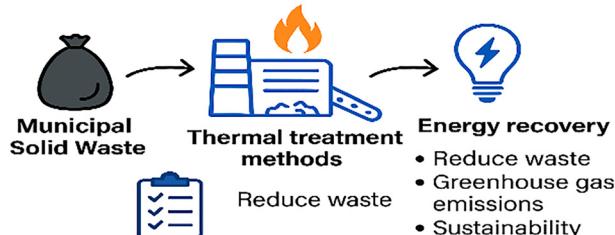
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Waste-to-energy technologies: a sustainable pathway for resource recovery and materials management

Ashish Soni, Sonu Kumar Gupta, Natarajan Rajamohan and Mohammad Yusuf*

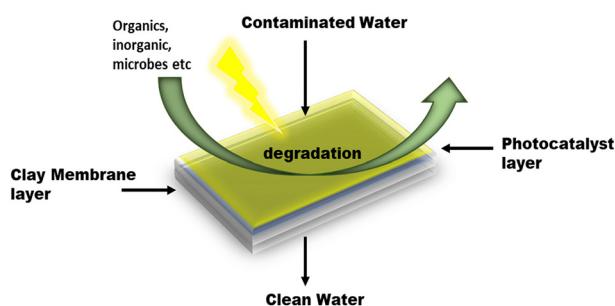
Waste-to-Energy (WtE) Techniques



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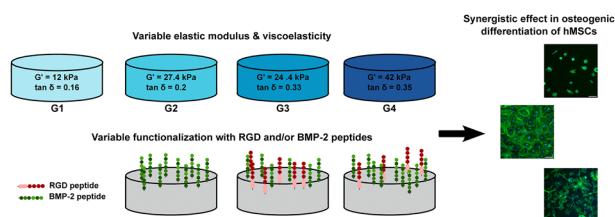


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Unravelling the synergies: effects of hydrogel mechanics and biofunctionalization on mesenchymal stem cell osteogenic differentiation

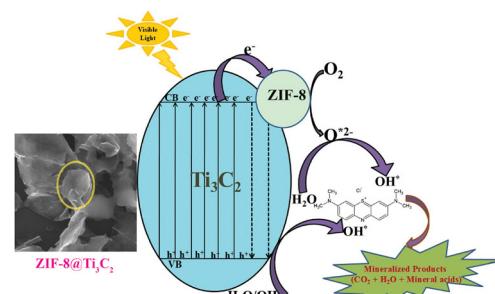
Cristina López-Serrano, Murielle Rémy, Thierry Leste-Lasserre, Gaétan Laroche* and Marie-Christine Durrieu*



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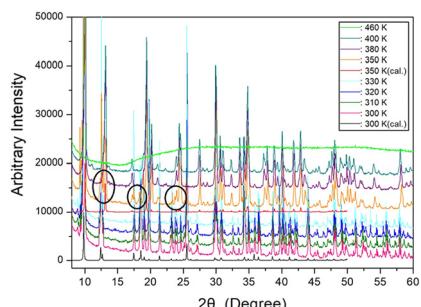
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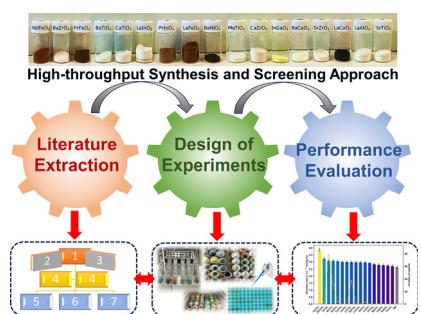
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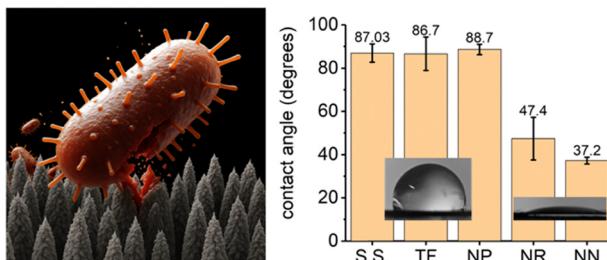
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Accelerated perovskite discovery: screening new catalysts for photocatalytic methylene blue degradation

Poulami Mukherjee,* Yohei Cho, Phulkerd Panitha and Toshiaki Taniike*

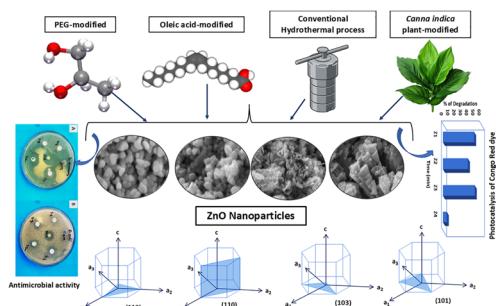
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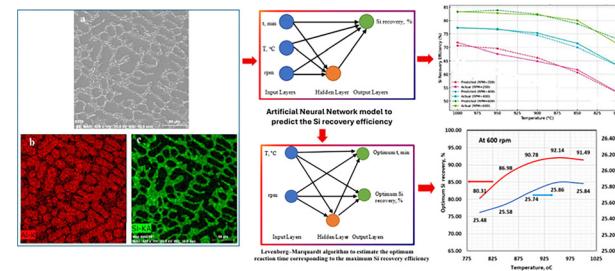


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Optimizing the processing parameters of producing Al–Si alloys using sodium fluosilicate via artificial neural network

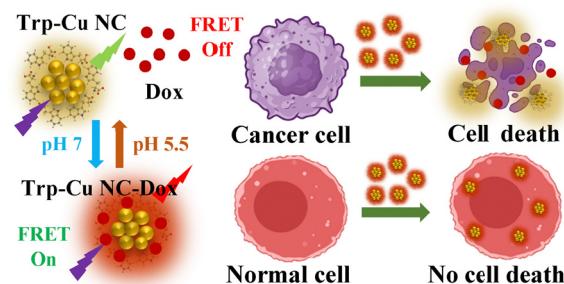
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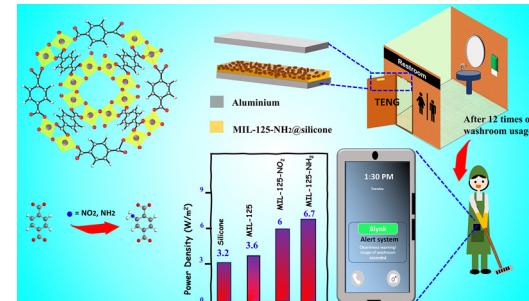
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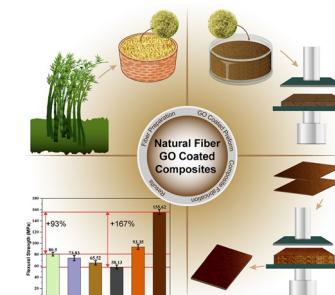
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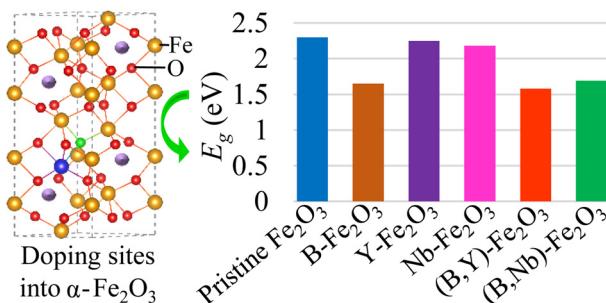
Enhanced properties of bamboo short fiber reinforced polymer composites with alkali and graphene oxide

Md. Ariful Islam,* Mainul Islam, Md. Shariful Islam and Tarikul Islam*



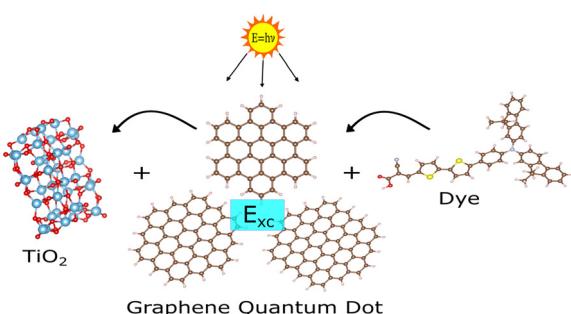
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Improved photocatalytic activity of $\alpha\text{-Fe}_2\text{O}_3$ by introducing B, Y, and Nb dopants for solar-driven water splitting: a first-principles study

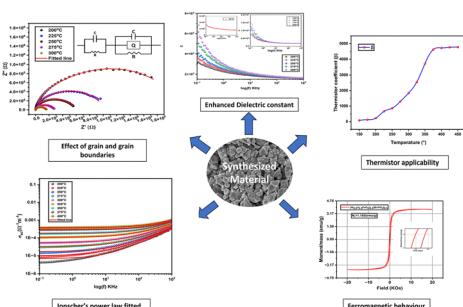
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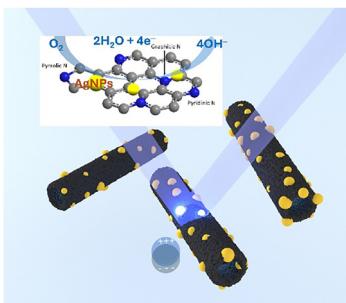
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Tereza Jílková, Elena Miliutina, Andrii Trelin, Zdeňka Kolská, Václav Švorčík, Oleksiy Lyutakov and Roman Elashnikov*

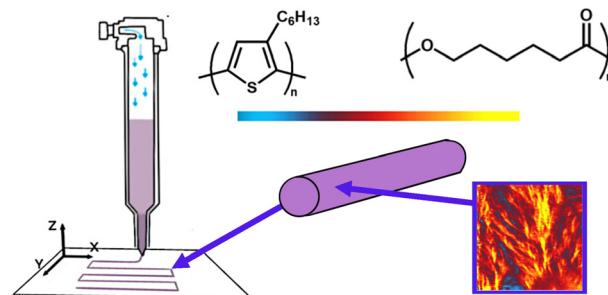


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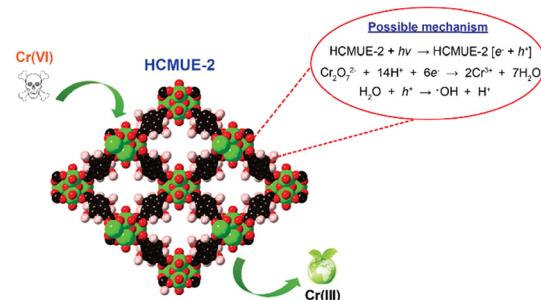
Jiayi Chen, Nahel Blanc and Audrey Laventure*



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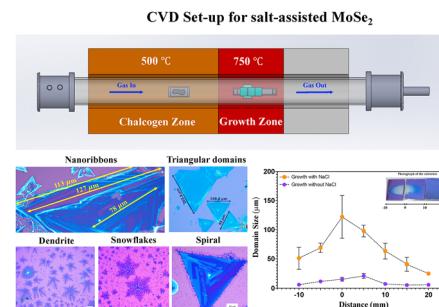
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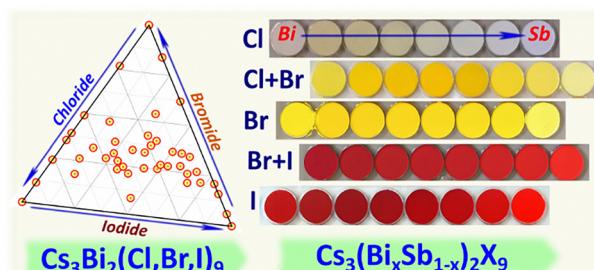
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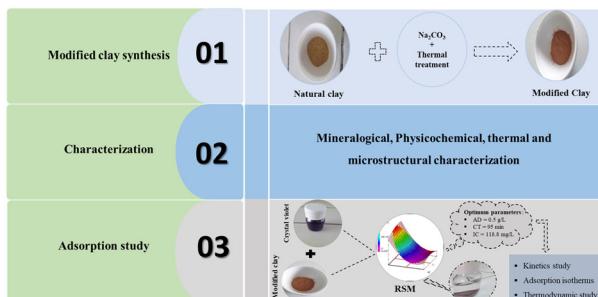
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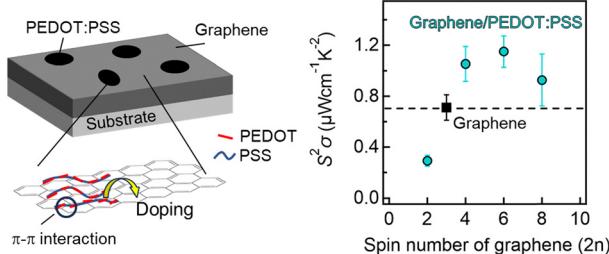
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Improving the adsorption efficiency of a low-cost natural adsorbent for the removal of an organic pollutant: optimization and mechanism study

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Keito Uchida, Shunya Sakane,* Takashi Shimizu, Akito Ayukawa, Haruhiko Udono and Hideki Tanaka*

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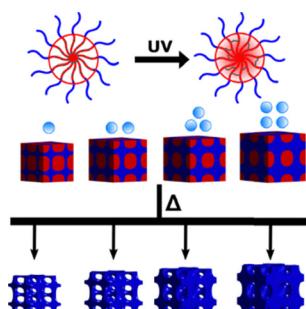
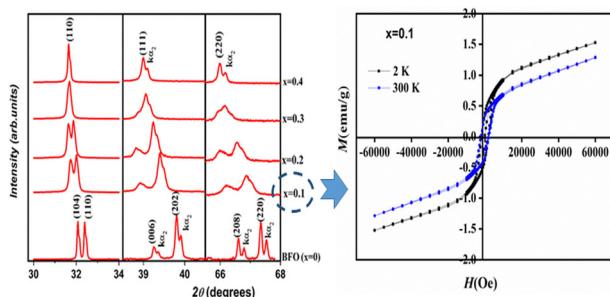


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I. Kallel, Z. Abdelkafi,* N. Abdelmoula, H. Khemakhem, N. Randrianantoandro and E. K. Hlil

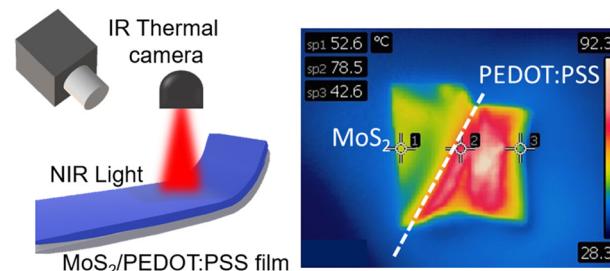


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Raksha D. Salian, Avijit Kumar Das and Partha Kumbhakar*



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An efficient strategy for simultaneous gold deposition and obtention of hierarchical Au/TS-1 applied to liquid-phase propylene epoxidation

Ignacio Centeno-Vega,* Lorenzo José González-Rubio, Cristina Megías-Sayago and Svetlana Ivanova

