

Materials Advances

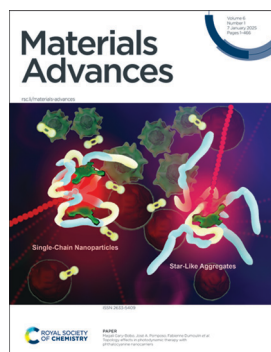
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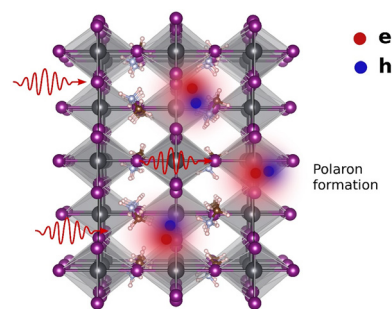
See Magali Gary-Bobo, José A. Pomposo, Fabienne Dumoulin *et al.*, pp. 148–156. Image reproduced by permission of Davide Arena from *Mater. Adv.*, 2025, 6, 148.

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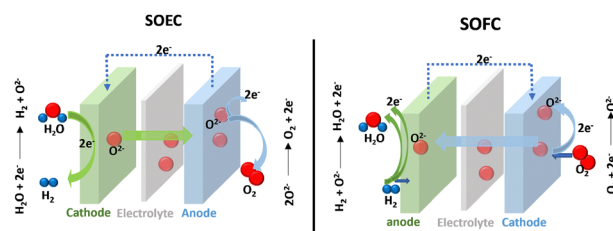
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Environmental Science: Atmospheres

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Fundamental questions
Elemental answers

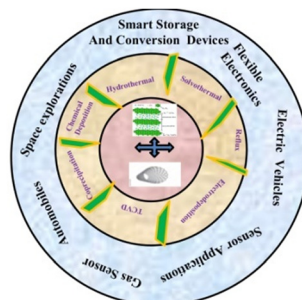


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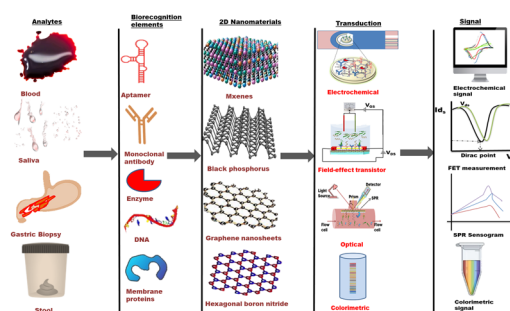
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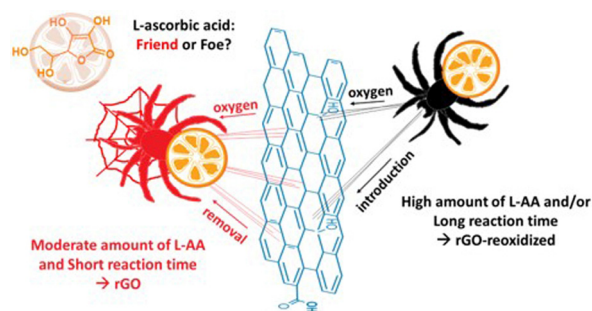


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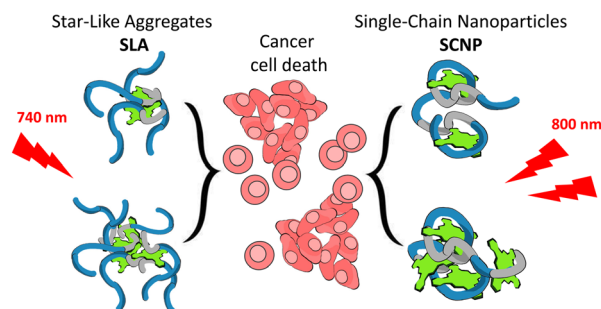


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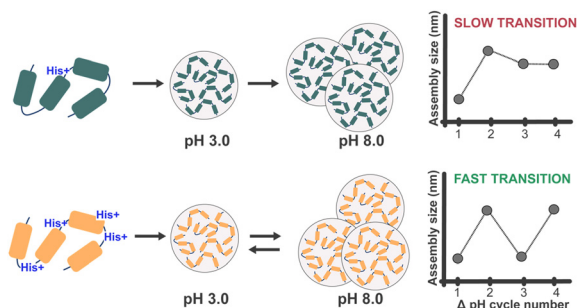
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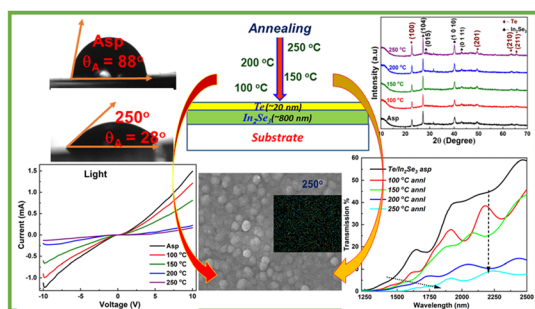
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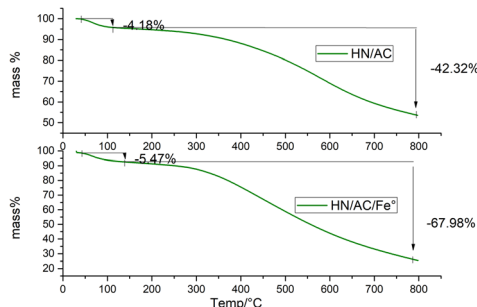
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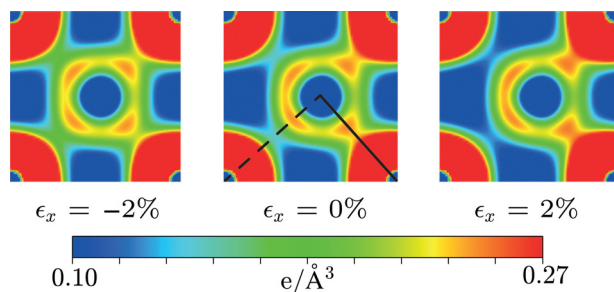
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Arun Jangir, Duc Tam Ho and Udo Schwingenschlögl*

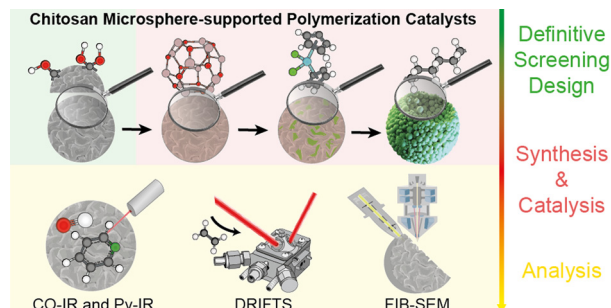


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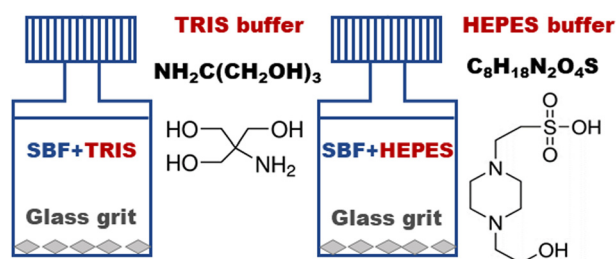
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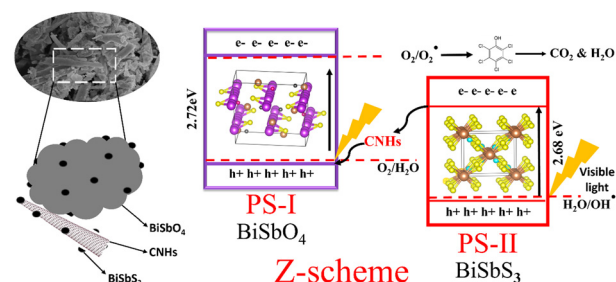
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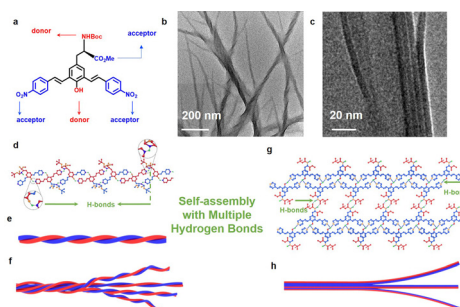
Maria Batool and Muhammad Nadeem Zafar*



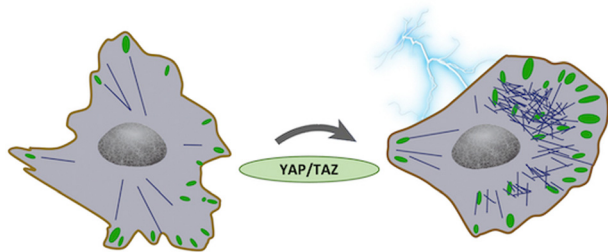
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Programmed self-assembly of conjugated oligomer-based helical nanofibres through hydrogen bonding interactions

Yu Wang, Guoxin Yin, Pradeep Cheraku, Yu Xia, Yuping Yuan, Peng Miao, Huidong Zang, Mircea Cotlet,* Ping Xu* and Hsing-Lin Wang*



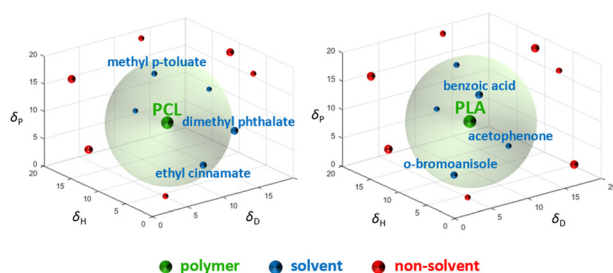
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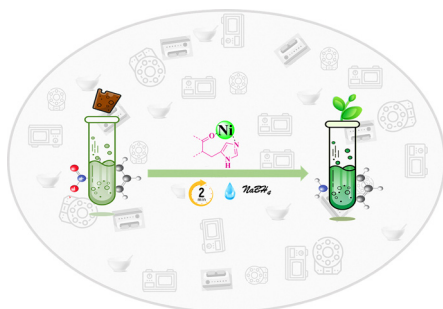
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Patrik Boura, Lenka Krajakova, Adam Bouz, Silvestr Figalla, Alexandr Zubov, Bart Van der Bruggen and Juraj Kosek*

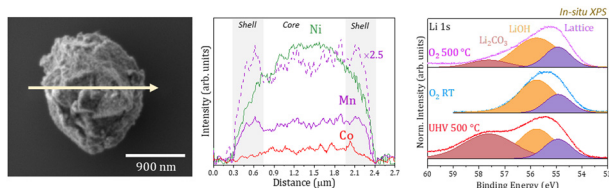
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Unveiling the impact of the mpg-C₃N₄@Pa@Ni nanocomposite in the reduction of nitroaromatic derivatives by comparative solvent-free methods

Fatemeh Eshrati, Hossein Ghafuri,* Peyman Haniftehnejad and Haniyeh Dogari

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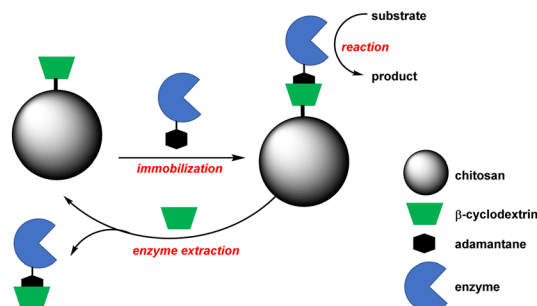


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Use of supramolecular chemistry based on β -cyclodextrin-grafted chitosan beads to prepare green biocatalytic materials

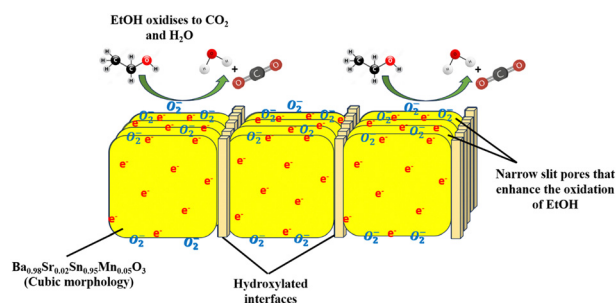
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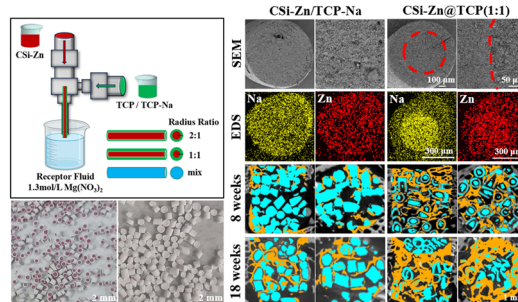
Nehal Ashok Waghchoure and Kampurath Poduvattil Jayadevan*



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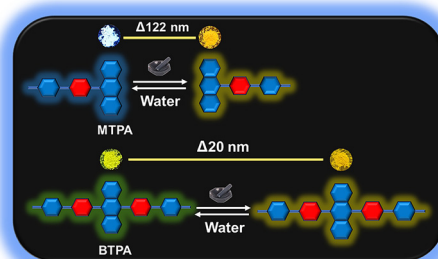
Yan Xu, Jian Shen, Lingling Dong, Xiaoyi Jiao, Lei Zhang, Jiaqi Yang, Shanxiang Xu, Xianyan Yang, Huiming Zhong,* Guoli Yang* and Zhongru Gou*



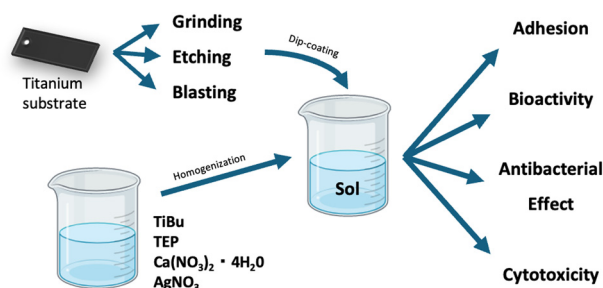
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D-A-D type high contrast mechanochromic luminescence based on anthracene and pyridinium salt derivatives

Xianchen Hu, Zhengfen Liu, Shubiao Xiao* and Junli Yang*



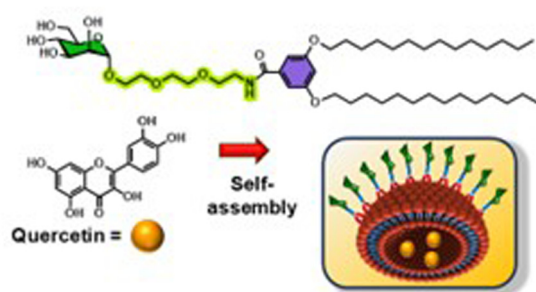
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Development of titania coatings containing calcium, phosphorus, and silver, applied via the sol-gel method and dip-coating technique

Karolína Opavová,* Diana Horkavcová, Eva Jablonská, Lucie Mrázková and Anna Bašusová

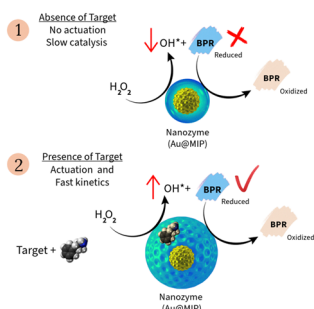
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Self-assembling PEGylated mannolipids for liposomal drug encapsulation of natural products

Leila Mousavifar, Mukul R. Gupta, Madleen Rivat, Aly El Riz, Abdelkrim Azzouz, Jordan D. Lewicky, Alexandrine L. Martel, Hoang-Thanh Le and René Roy*

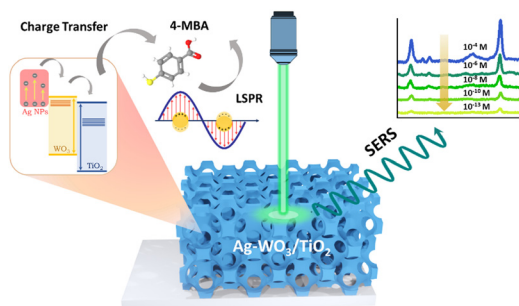
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Generic strategy for the synthesis of highly specific Au/MIP nanozymes and their application in homogeneous assays

Shaemaa Hadi Abdulsada, Alvaro Garcia Cruz,* Christopher Zaleski, Elena Piletska, Damla Ulker, Stanislav Piletsky and Sergey A. Piletsky

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Interplay of plasmonic and charge transfer effects for ultrasensitive Ag-WO₃/TiO₂ photonic crystal SERS sensors

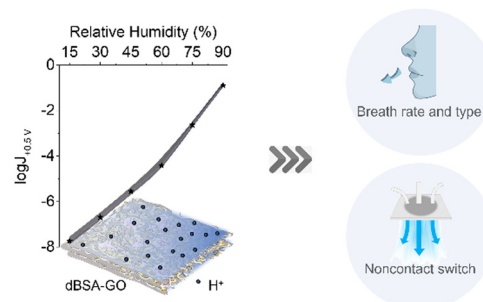
Maria-Athina Apostolaki, Elias Sakellis, Spiros Gardelis and Vlassis Likodimos*



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Denatured bovine serum albumin particle decorated graphene oxide nanocomposite for ultrasensitive resistive humidity sensing

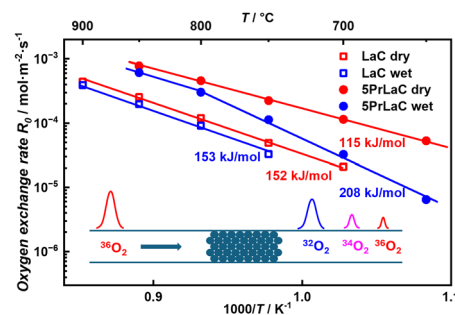
Pan Qi, Yongkang Zhang, Ziang Zhang, Xiaobing Li and Cunlan Guo*



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Unravelling the oxygen exchange mechanism on $\text{La}_2\text{Ce}_2\text{O}_7$

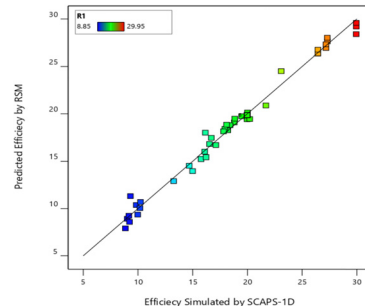
Yizhou Shen, Vincent Thor  ton and Reidar Haugsrud*



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Unlocking the full potential of solar cell materials: parameter sensitivity analysis and optimization using response surface modelling

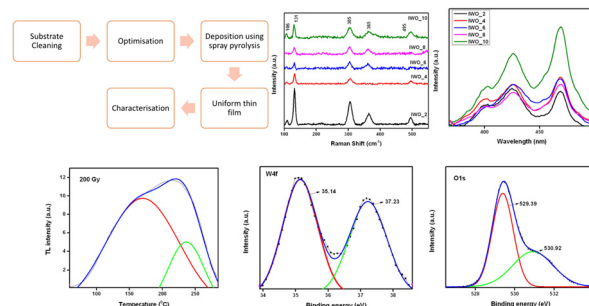
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Correction: Arylselanyl motifs in hierarchically structured mesoporous phenolic polymers: efficient adsorption sites for Hg^{2+} ions

Vishnu Selladurai and Selvakumar Karuthapandi*

