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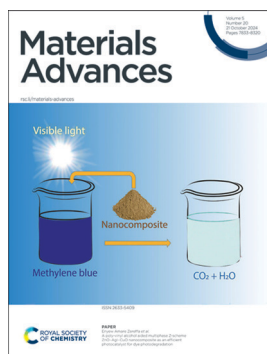
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ISSN 2633-5409 CODEN MAADC9 5(20) 7833-8320 (2024)



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See Ramasamy Paulmurugan *et al.*, pp. 8007–8016. Image reproduced by permission of Farbod Tabesh, Golnaz Haghverdi, Kireeti Phani Devarakonda, Tarik F Massoud and Ramasamy Paulmurugan from *Mater. Adv.*, 2024, 5, 8007.



### Inside cover

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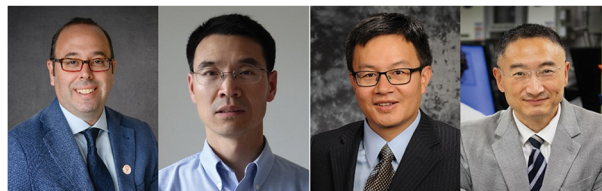
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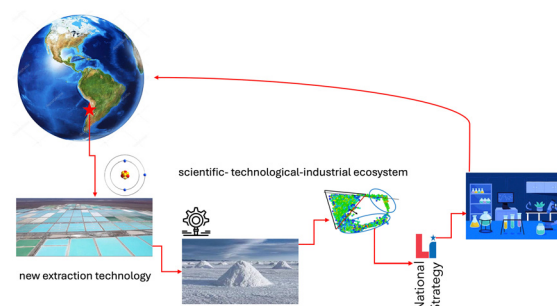
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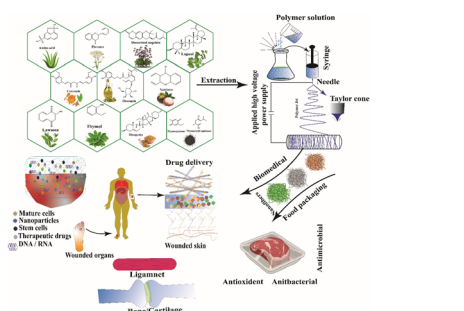
Gonzalo Gutiérrez\* and Domingo Ruiz-León



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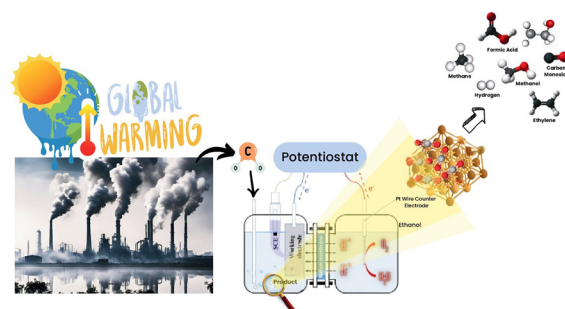
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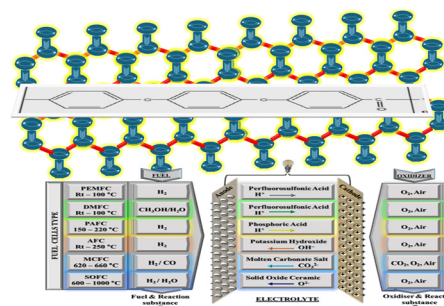
Sheraz Yousaf, Iqbal Ahmad,\* Muhammad Farooq Warsi and Asad Ali\*



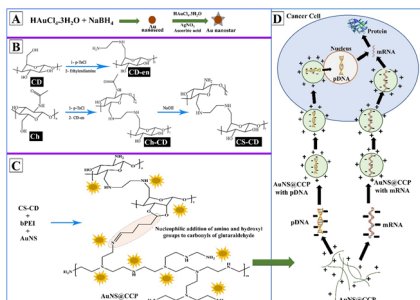
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Mayetu Segale, Tumelo Seadira,\* Rudzani Sigwadi, Touhami Mokrani and Gabriel Summers



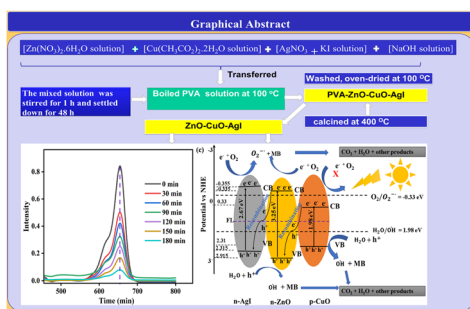
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### Synthesis, characterization, and application of a biocompatible gene delivery nanocarrier constructed from gold nanostars and a chitosan–cyclodextrin–poly(ethylene imine) graft polymer

Farbod Tabesh, Golnaz Haghverdi, Kireeti Phani Devarakonda, Tarik F Massoud and Ramasamy Paulmurugan\*

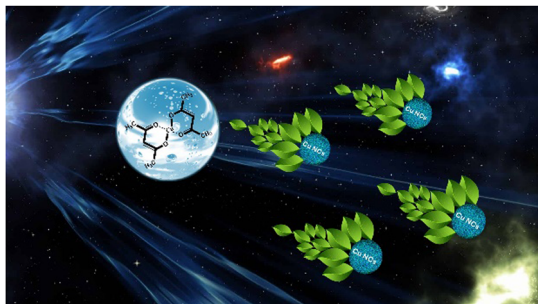
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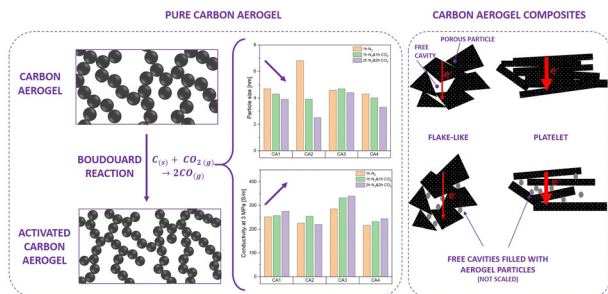
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Angelo Ferlazzo,\* Stefano Bonforte, Federica Florio, Salvatore Petralia,\* Lorenzo Sorace, Beatrice Muzzi, Andrea Caneschi\* and Antonino Gulino\*

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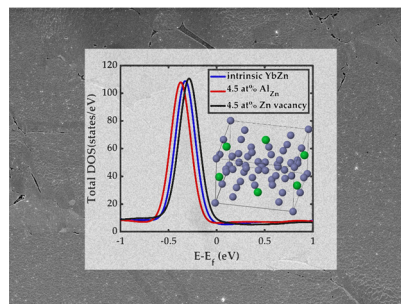
Jessica Kröner, Dominik Platzer, Barbara Milow and Marina Schwan\*



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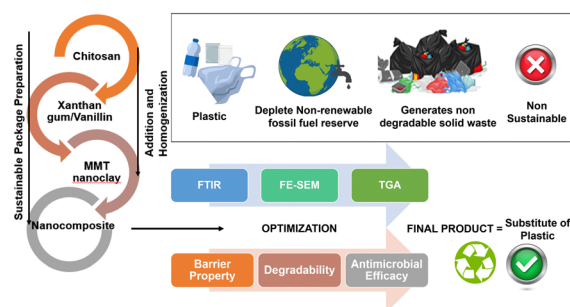
Shuai Li, Ruhul Quddus, Sree Sourav Das, Haobo Wang, Jerrold A. Floro and Mona Zebarjadi\*



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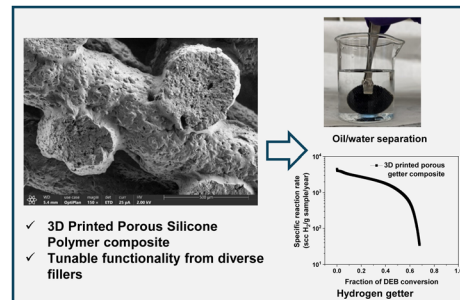
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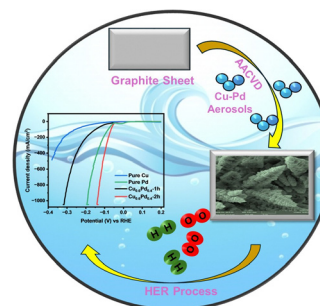
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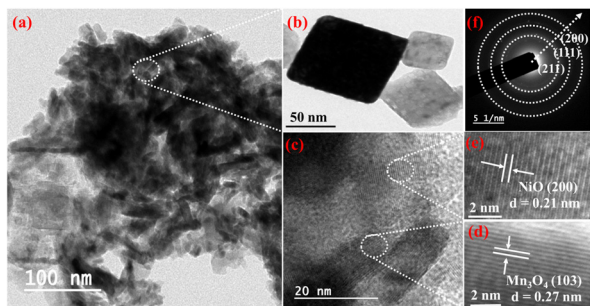
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### Facile fabrication of binary copper–palladium alloy thin film catalysts for exceptional hydrogen evolution performance

Muhammad Ali Ehsan,\* Akilarasan Muthumariappan, Muhammad Ali, Abbas Saeed Hakeem and Wasif Farooq



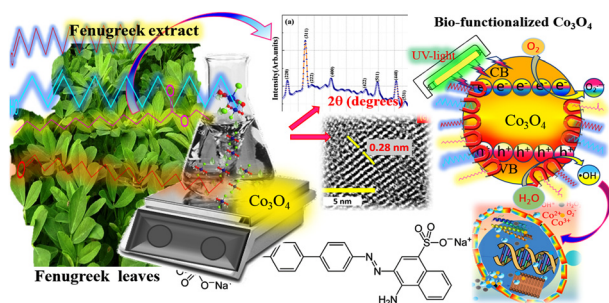
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Mandvi, Prit Pal Singh, Suhas Ballal, Mamta Chahar, Jaya Bansal, Ranvijay Kumar, Sandeep Kumar and Sandeep Kaushal\*

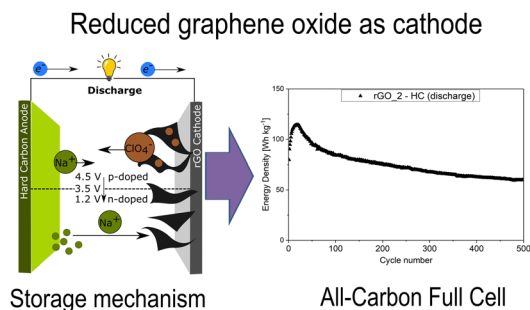
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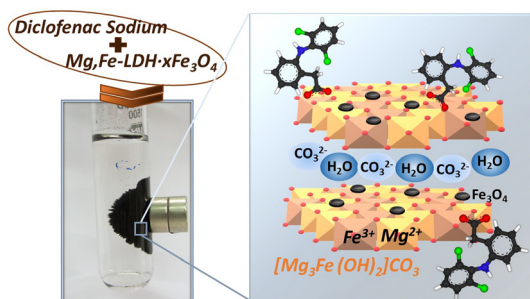
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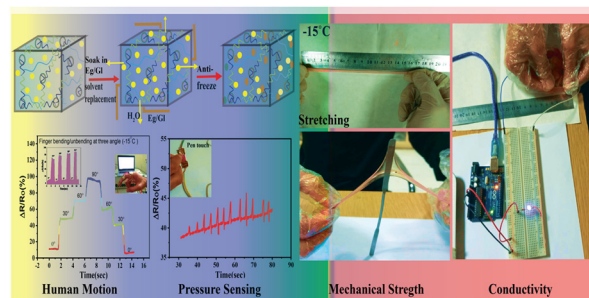
Tetiana Hubetska, Victor Demchenko and Natalia Kobylinska\*



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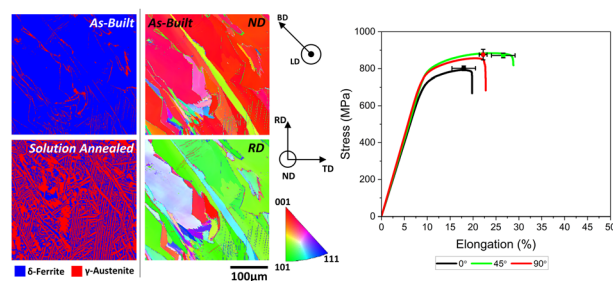
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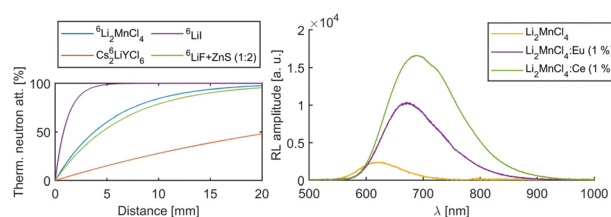
Karl Peter Davidson,\* Ruiliang Liu, Chenyang Zhu, Mehmet Cagiciri, Li Ping Tan, Alpravinosh Alagesan and Sarat Singamneni



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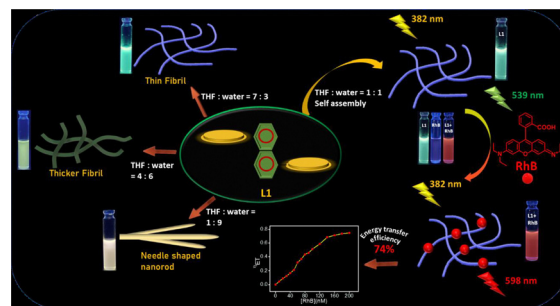
Vojtěch Vaněček,\* Robert Král, Křehlíková Kateřina, Romana Kučerková, Vladimír Babin, Petra Zemenová, Jan Rohlíček, Zuzana Málková, Terézia Jurkovičová and Martin Nikl



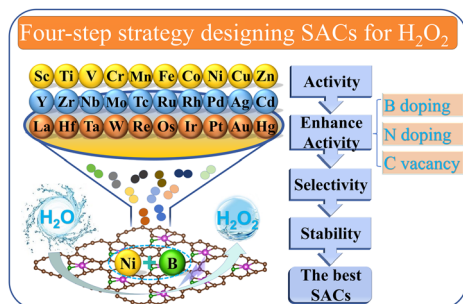
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Priya Rana, Mallayasamy Siva, Rabindranath Lo\* and Priyadip Das\*



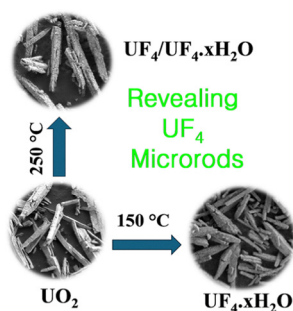
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Shu-Long Li, Xiaogui Song, Zuhui Zhou, Hongyuan Zhou, Liang Qiao,\* Yong Zhao\* and Li-Yong Gan\*

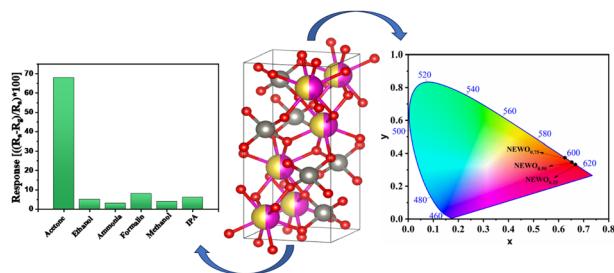
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Harry Jang and Frederic Poineau\*

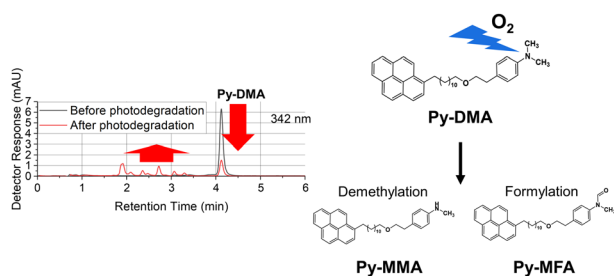
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Kumar Riddhiman Sahoo, Tanushri Das, Mrinal Pal, Mohammad Rezaul Karim, Asiful H. Seikh and Chandan Kumar Ghosh\*

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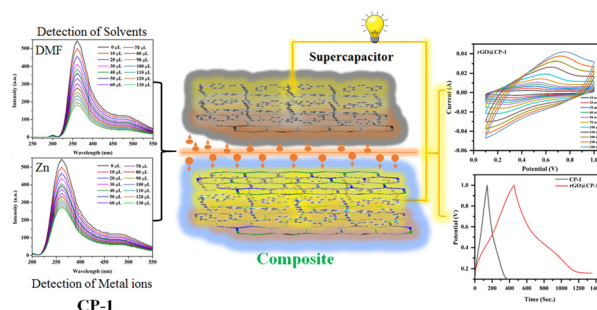
Yeongcheol Ki, Jonghyun Kim, Yeri Son, Suhyun Park, Won-jin Chung, Tae-Young Kim\* and Hohjai Lee\*



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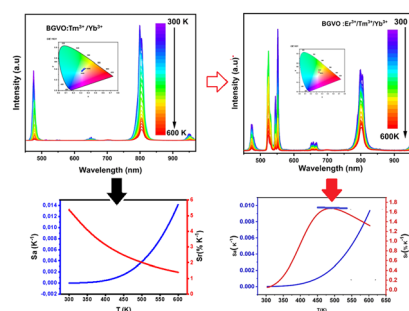
Basree, Waris, Arif Ali, Nishat Khan, Mohammad Zain Khan, Ganesh Chandra Nayak, Kafeel Ahmad Siddiqui\* and Musheer Ahmad\*



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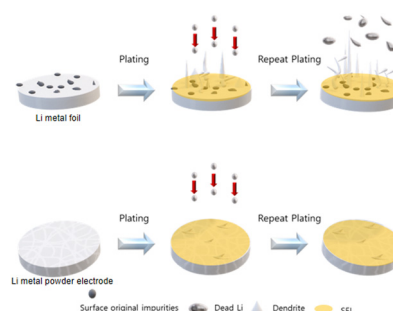
Ikhlas Kachou, Kamel Saidi, Christian Hernández-Álvarez, Mohamed Dammak\* and Inocencio R. Martin



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Hyeong-Seok Oh, Rae-Hyun Lee, Jong-Kyu Lee, Jung-Rag Yoon,\* Hyun-Kyung Kim\* and Seung-Hwan Lee\*



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### Recycling waste aluminium foil to bio-acceptable nano photocatalysts [aluminium oxide (Al<sub>2</sub>O<sub>3</sub>) & aluminium oxyhydroxide (AlOOH)]; dye degradation as proof-of-concept

Bunty Sharma, Arshdeep Sahi, Jaspreet Dhau, Ajeet Kaushik, Rajeev Kumar\* and Ganga Ram Chaudhary\*

