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IN THIS ISSUE

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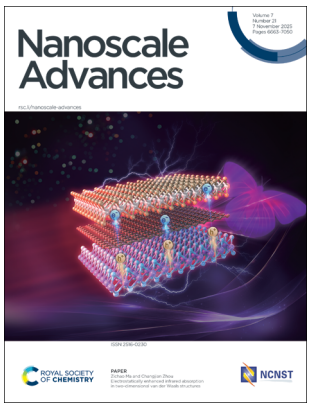
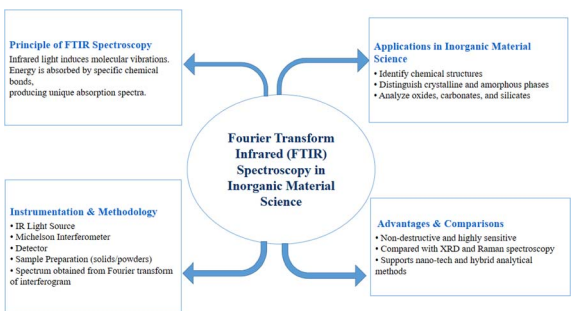
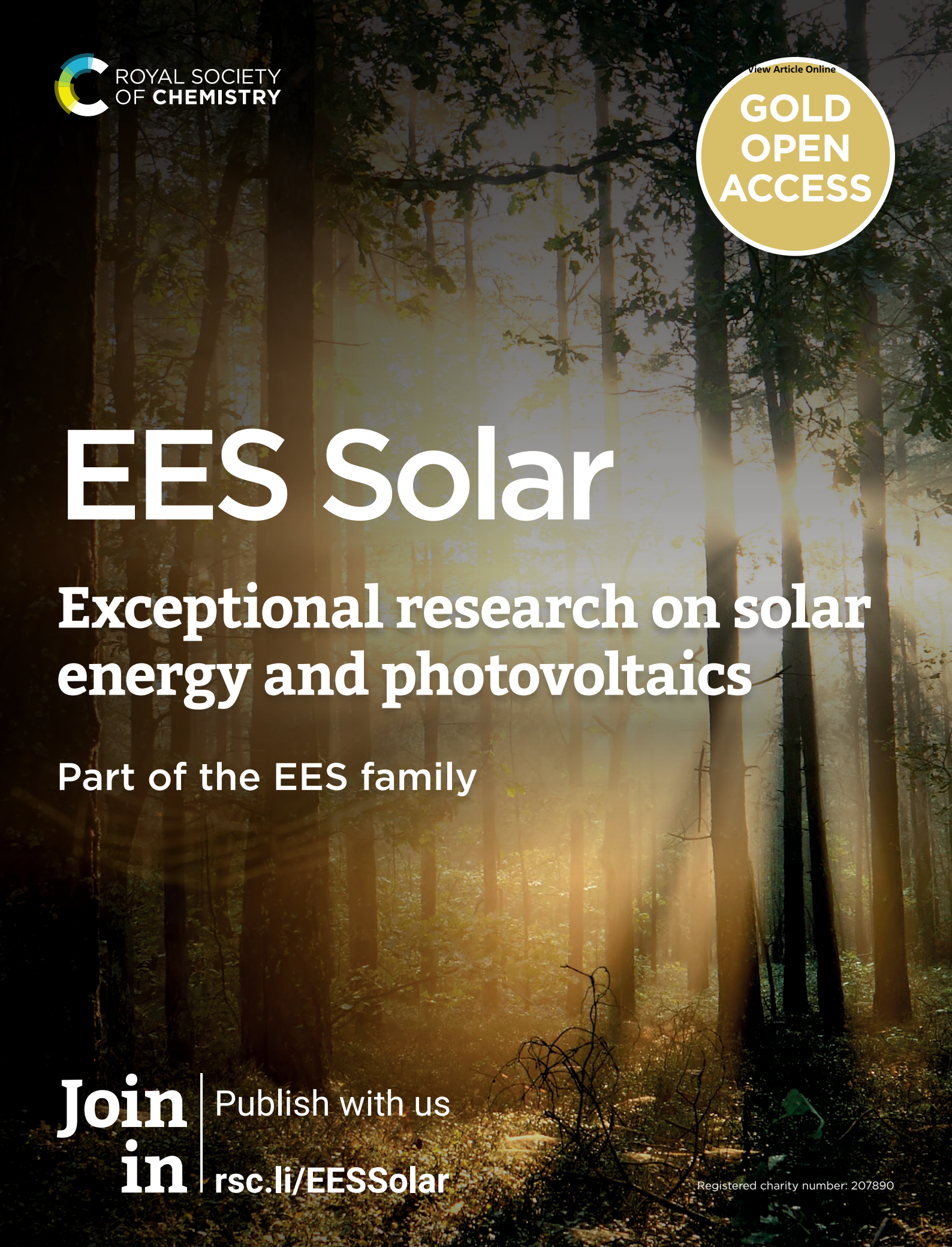


Cover
See Zichao Ma and Changjian Zhou, pp. 6819–6827. Image reproduced by permission of Zichao Ma from *Nanoscale Adv.*, 2025, **7**, 6819.

EDITORIAL

REVIEWS

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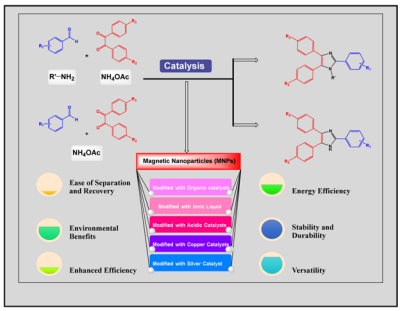
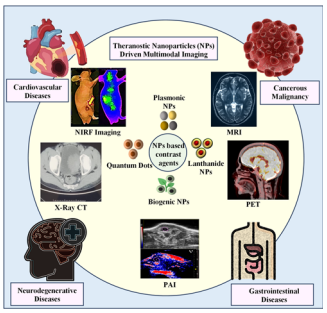
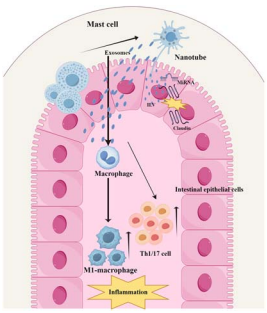
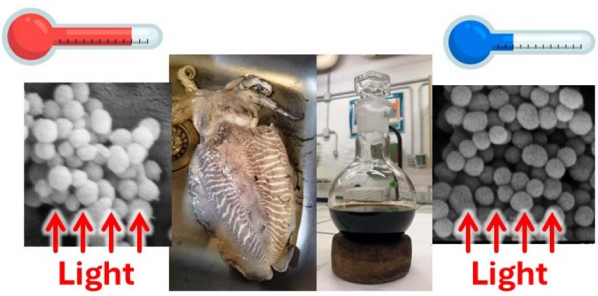




MINIREVIEW



COMMUNICATIONS



COMMUNICATIONS

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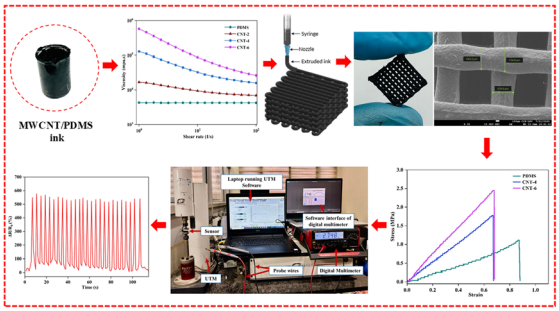

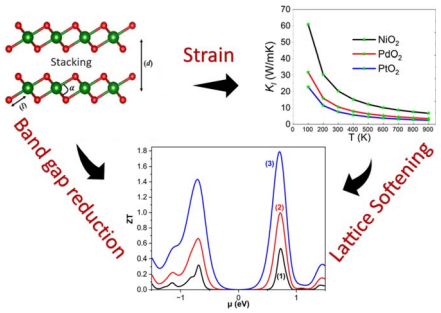

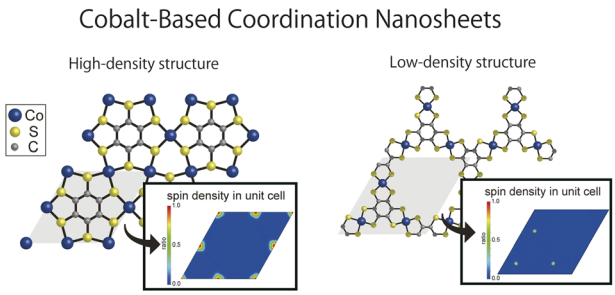

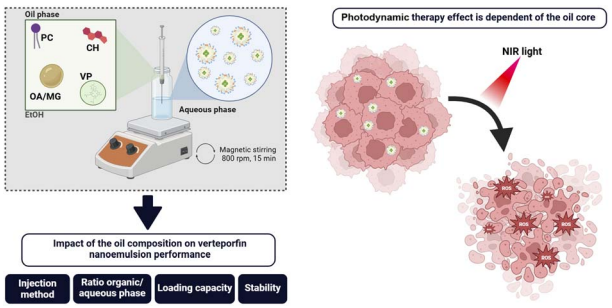

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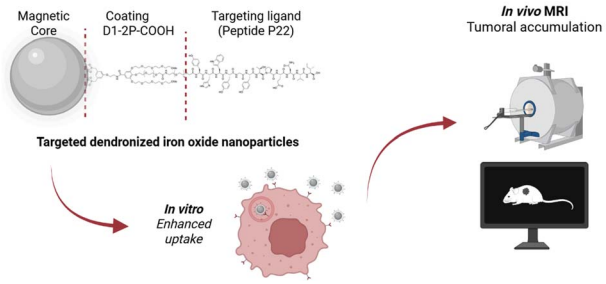
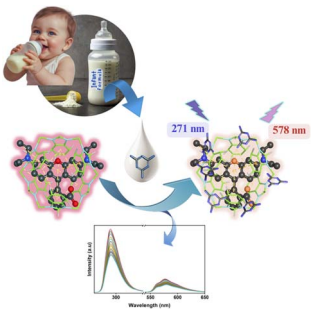


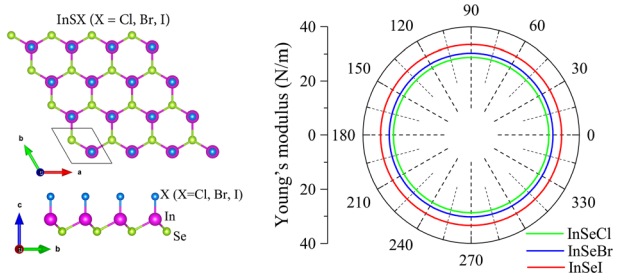
In vitro and *in vivo* validation studies of optimized iron oxide nanoparticles carrying targeting ligands for a new therapeutic strategy in head and neck cancers

Sonia Furgiuele, Thomas Gevart, Barbara Freis, Maria Los Angeles Ramirez, Géraldine Descamps, Sébastien Boutry, Lionel Larbanoix, Dorianne Sant'Angelo, Anne Trelcat, Sven Saussez, Sylvie Bégin-Colin, Fabrice Journe and Sophie Laurent*



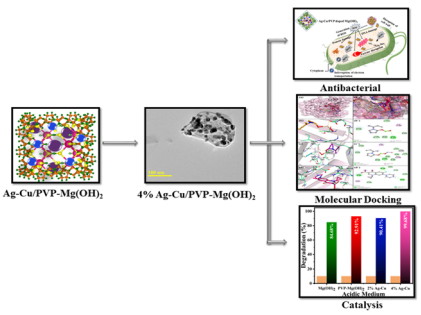
Hierarchically porous RhB-encapsulated ZIF-7 as a dual-emission fluorescence probe for ultrasensitive detection of melamine in infant formulations

Sreevidhya K. B. and Suvardhan Kanchi*



First-principles investigation of the electronic, piezoelectric and transport properties of InSeX (X = Cl, Br, I) monolayers

D. Vo Dat, Tuan V. Vu, A. I. Kartamyshev, Thi H. Ho, Hoang-Thinh Do, Vu Khac Hoang Bui, Phan T. H. Linh and Nguyen D. Hien*



Synergistic catalytic and antibacterial activity, along with *in silico* molecular docking of bimetallic silver-copper-doped PVP-$Mg(OH)_2$ nanostructures

Zarqa Altaf, Muhammad Imran,* Ali Haider,* Iram Shahzadi, Zernab Mateen, Anwar Ul-Hamid, Ahmed M. Fouda and Muhammad Ikram

PAPERS

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A Pitstop-2 analog impairs viability of aggressive lung cancer cells by disrupting nuclear pore integrity

Sílvio Terra Stefanello,* Caren Rigon Mizdal, Christian Paul Konken, Günter Haufe and Victor Shahin*