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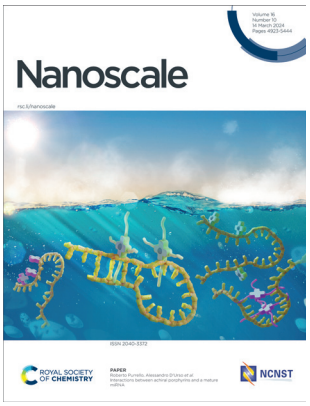
IN THIS ISSUE

ISSN 2040-3372 CODEN NANOHL 16(10) 4923–5444 (2024)



Cover
See Roberto Purrello, Alessandro D'Urso *et al.*, pp. 5137–5148.

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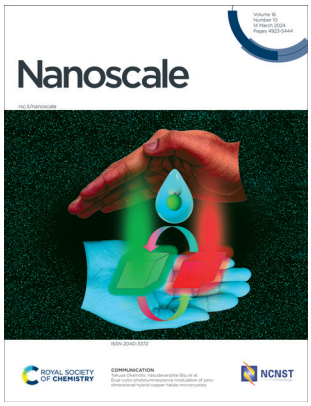

Inside cover
See Takuya Okamoto, Vasudevanpillai Biju *et al.*, pp. 5107–5114.

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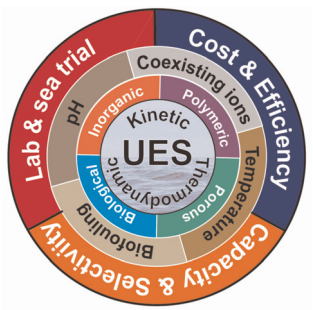
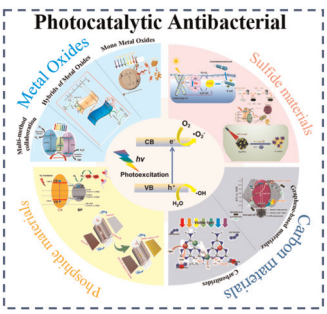
REVIEWS





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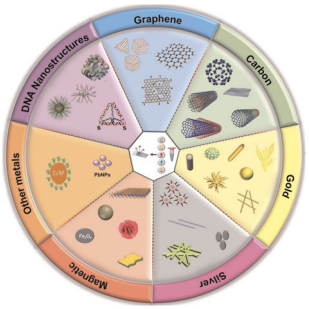

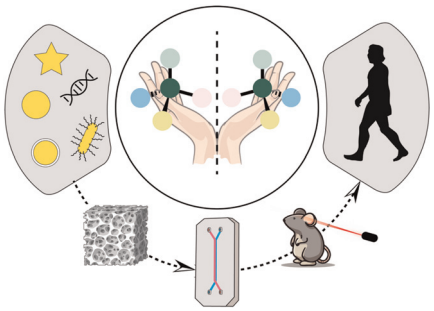

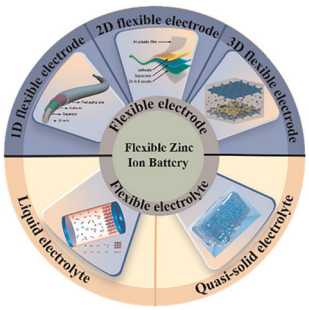

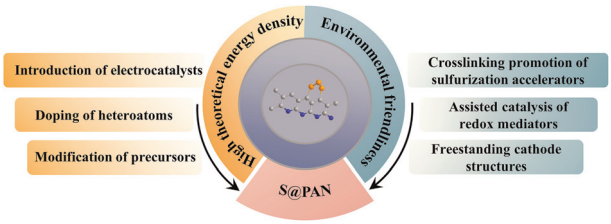

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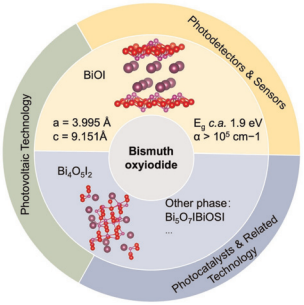

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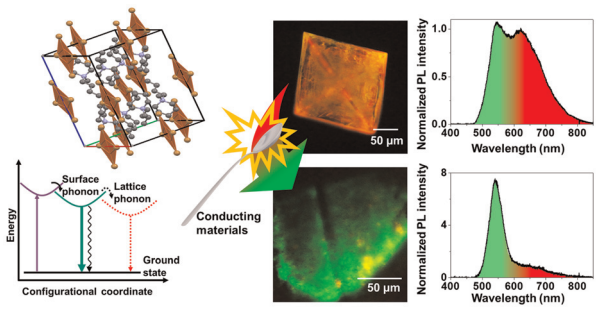

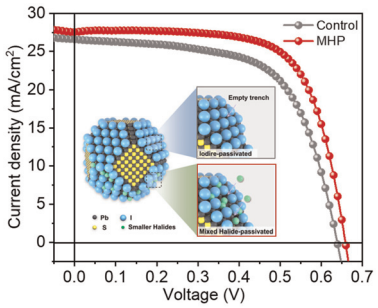

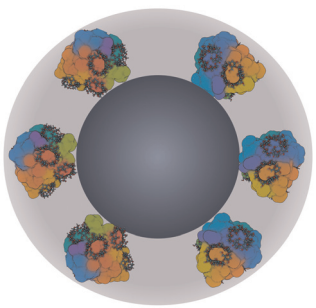

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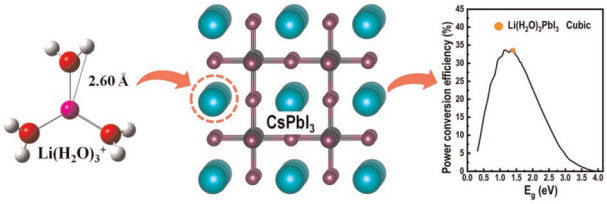

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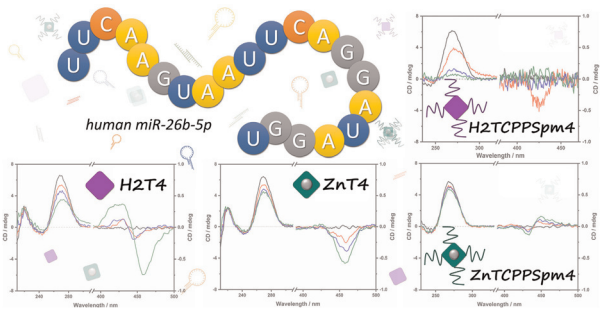

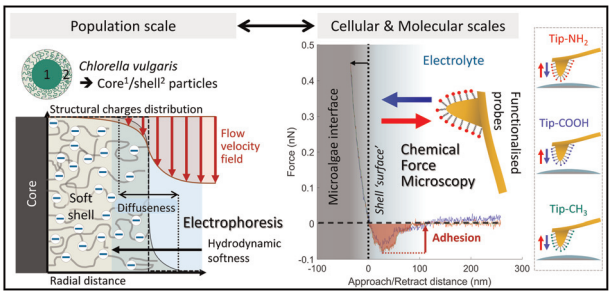

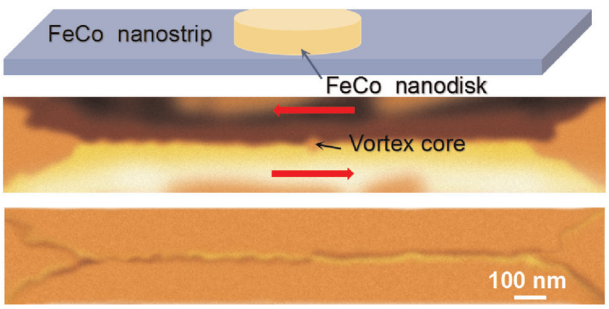

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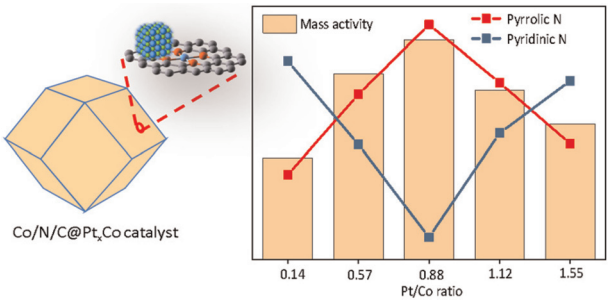

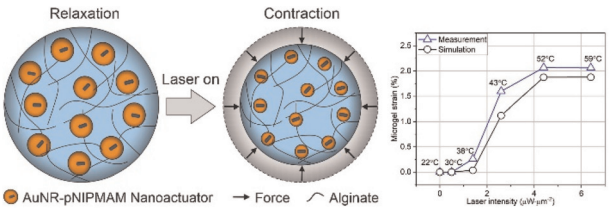

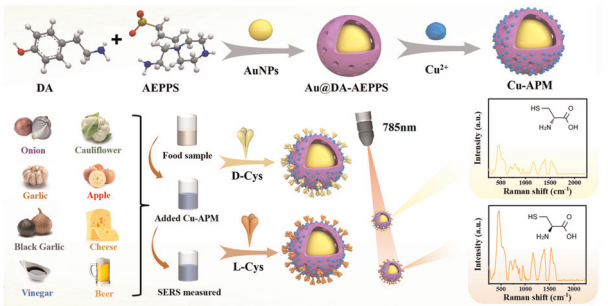

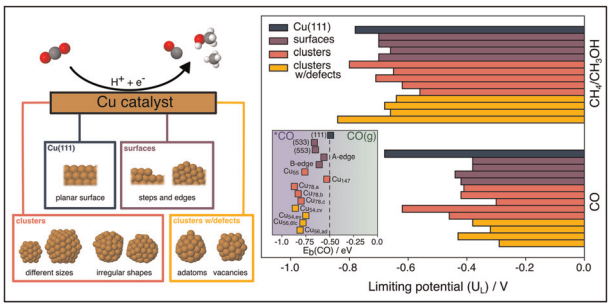

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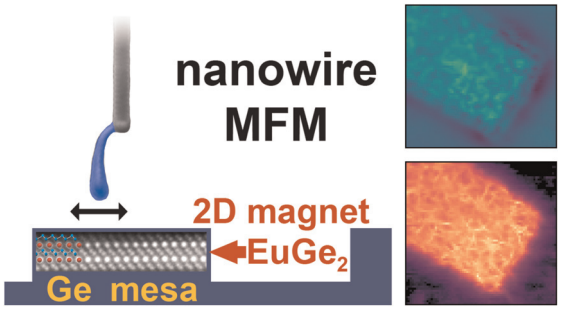
Mapping the phase-separated state in a 2D magnet

Hinrich Mattiat, Lukas Schneider, Patrick Reiser, Martino Poggio,* Pardis Sahafi, Andrew Jordan, Raffi Budakian, Dmitry V. Averyanov, Ivan S. Sokolov, Alexander N. Taldenkov, Oleg E. Parfenov, Oleg A. Kondratev, Andrey M. Tokmachev and Vyacheslav G. Storchak*



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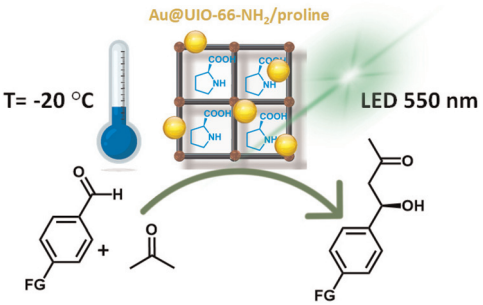
Merging gold plasmonic nanoparticles and L-proline inside a MOF for plasmon-induced visible light chiral organocatalysis at low temperature

A. Kushnarenko, A. Zabelina, O. Guselnikova, E. Miliutina, B. Vokatá, D. Zabelin, V. Burtsev, R. Valiev, Z. Kolska, M. Paidar, V. Sykora, P. Postnikov,* V. Svorcik and O. Lyutakov*



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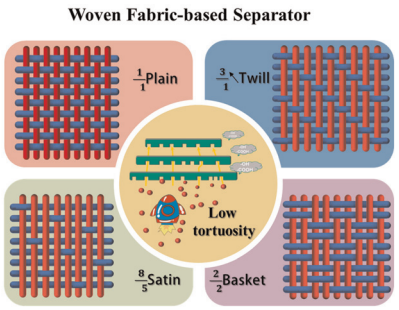
Woven fabric-based separators with low tortuosity for sodium-ion batteries

Tianyun Zhang,* Lirong Zhang, Fujuan Wang, Yanci Wang, Tian Zhang and Fen Ran*



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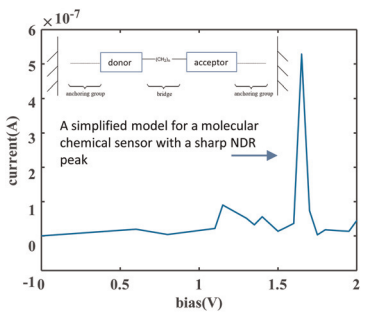
A computational model for a molecular chemical sensor

Mengxuan Li, Clotilde S. Cucinotta and Andrew P. Horsfield*



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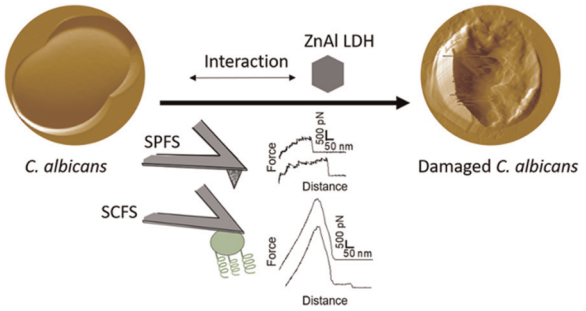

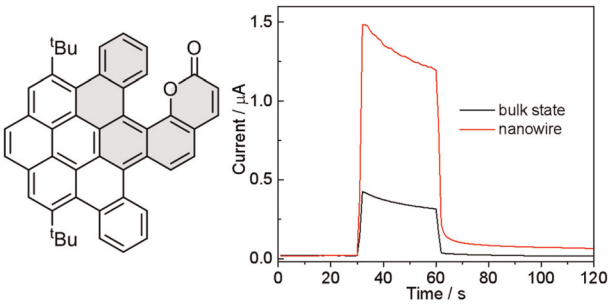

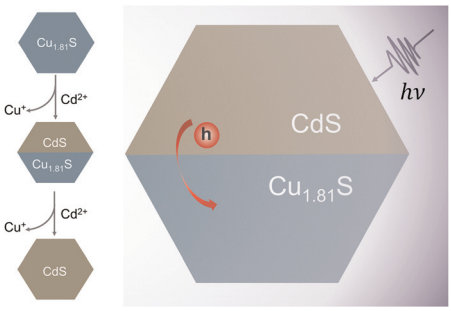

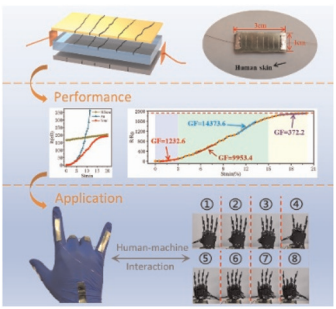

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