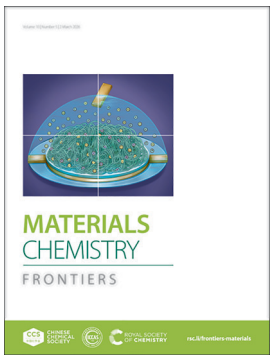
MATERIALS CHEMISTRY
FRONTIERS

rsc.li/frontiers-materials

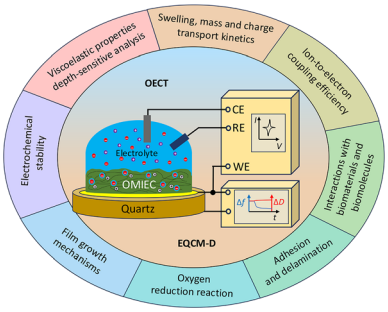
IN THIS ISSUE

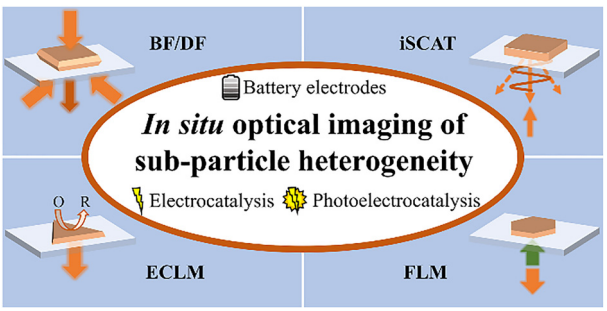
ISSN 2052–1537 CODEN MCFAC5 10(5) 687–880 (2026)



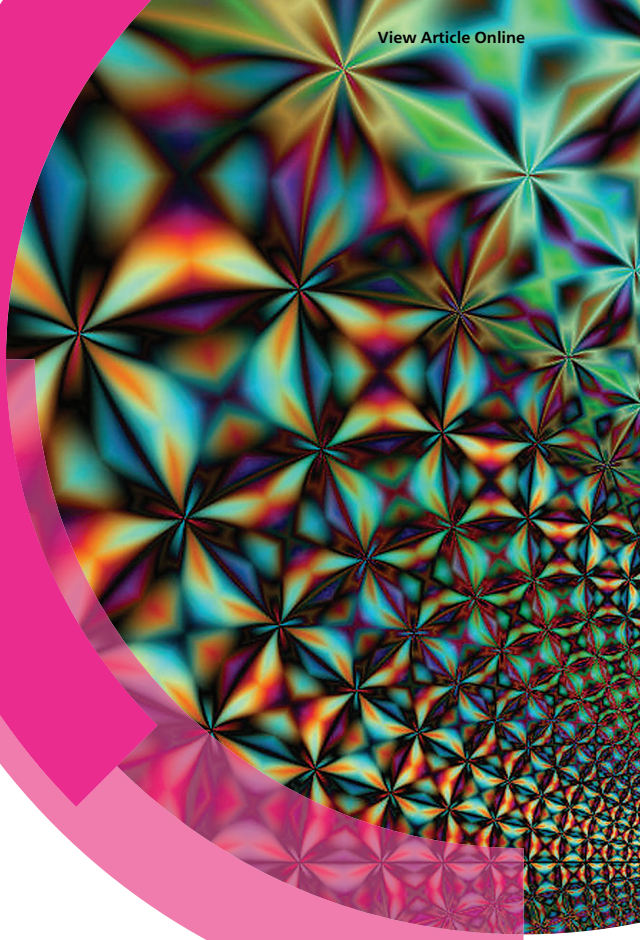
Cover
See Liubov Bakhchova *et al.*, pp. 694–740. Image reproduced by permission of Alla Guselnikova from *Mater. Chem. Front.*, 2026, **10**, 694. Cover artwork created using Procreate®

REVIEWS





ROYAL SOCIETY OF CHEMISTRY



RSC Advances

At the heart of open access for the global chemistry community

Editor-in-chief

Russell J Cox
Leibniz Universität Hannover, Germany

We stand for:

Breadth We publish work in all areas of chemistry and reach a global readership

Affordability Low APCs, discounts and waivers make publishing open access achievable and sustainable

Quality Research to advance the chemical sciences undergoes rigorous peer review for a trusted, society-run journal

Community Led by active researchers, we publish quality work from scientists at every career stage, and all countries

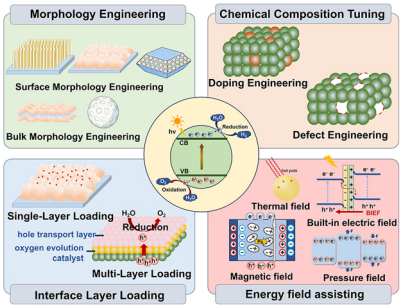
Submit your work now

rsc.li/rsc-advances

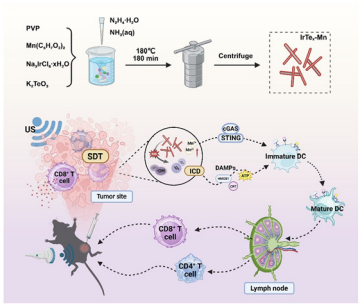
@RSC_Adv

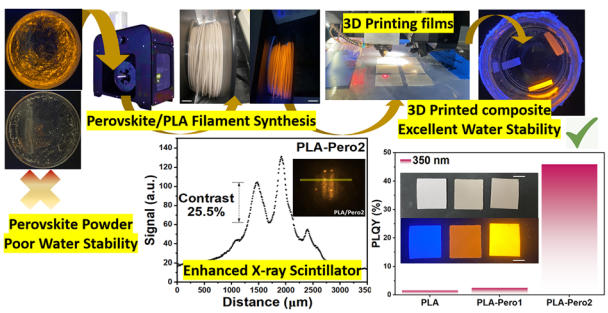
Registered charity number: 207890

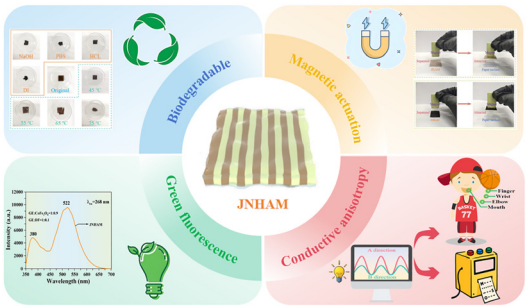
REVIEWS



RESEARCH ARTICLES







RESEARCH ARTICLES