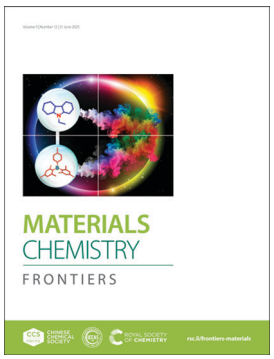
MATERIALS CHEMISTRY
FRONTIERS

rsc.li/frontiers-materials

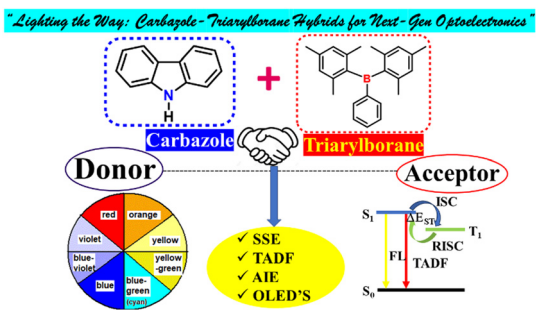
IN THIS ISSUE

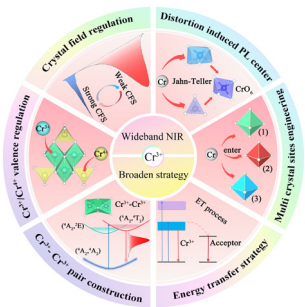
ISSN 2052–1537 CODEN MCFAC5 9(12) 1787–1946 (2025)



Cover
See Afrin A and Chinna Ayya Swamy P, pp. 1794–1820. Image reproduced by permission of Chinna Ayya Swamy P from *Mater. Chem. Front.*, 2025, **9**, 1794.

REVIEWS





ROYAL SOCIETY OF CHEMISTRY

Advance your career in science

with professional recognition that showcases your **experience, expertise and dedication**

Stand out from the crowd

Prove your commitment to attaining excellence in your field

Gain the recognition you deserve

Achieve a professional qualification that inspires confidence and trust

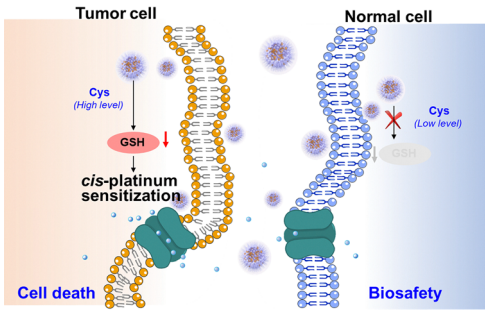
Unlock your career potential

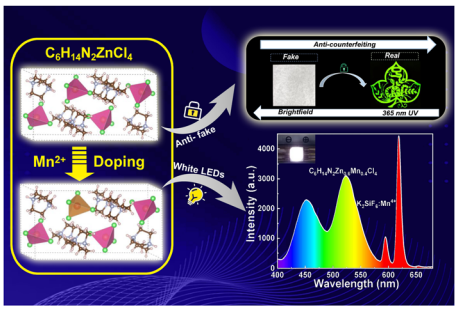
Apply for our professional registers (RSci, RSciTech) or chartered status (CChem, CSci, CEnv)

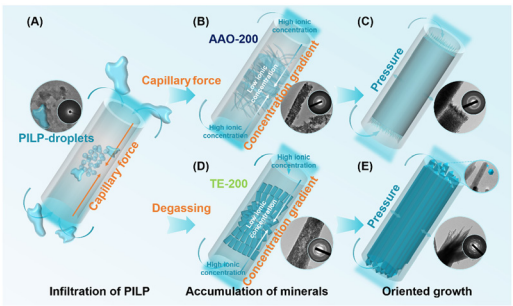
Apply now

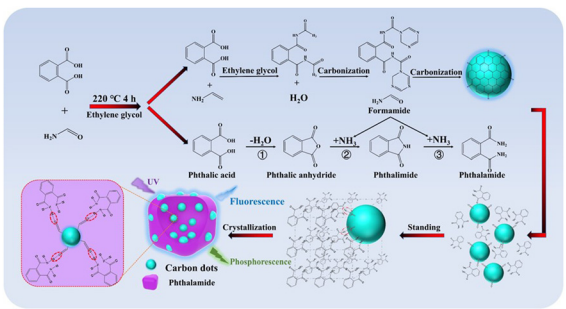
rsc.li/professional-development

RESEARCH ARTICLES









RESEARCH ARTICLES

1933

Deposition of N-doped graphene and its mechanism study *via in situ* mass spectrometry

Limin Wang, Xi Wu, Tao Cheng, Han Xue, Bernd Abel, Jia Li,* Jianfeng Li,* Liying Ma, Jia Ding, Wenqi Wang, Shaopeng Fu, Yong Hou, Kailang Wang, La Zhu and Xubin Lu*