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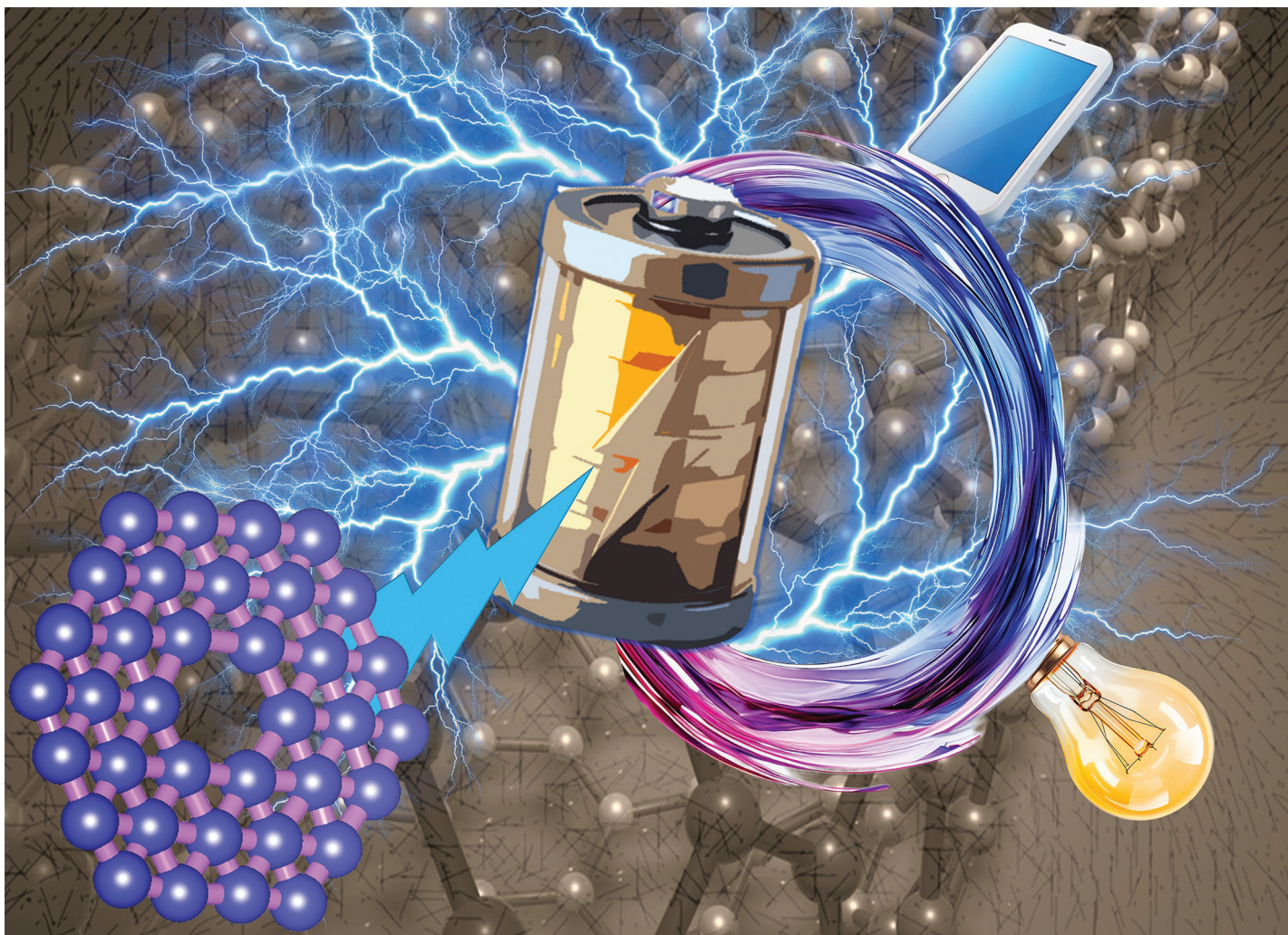
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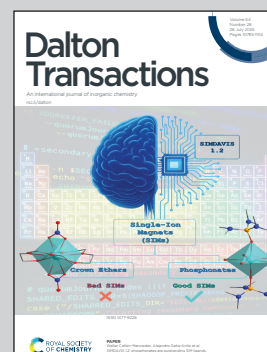


Showcasing research from Professor Chandra Sekhar Rout's laboratory, Centre for Nano and Material Sciences, Jain (Deemed-to-be University), Jain Global Campus, Karnataka, India

2D borophene: An emerging material for supercapacitor applications

This review article provides recent developments on supercapacitor applications of pristine 2D borophene and their hybrid nanostructures. Initially, the synthesis methods with structural aspects of borophene are introduced and then the progress of borophene in supercapacitors is thoroughly discussed. In the end, current challenges, the possible solutions and future perspectives are summarized.

As featured in:



See Sang Mun Jeong, Chandra Sekhar Rout *et al.*, *Dalton Trans.*, 2025, **54**, 10847.