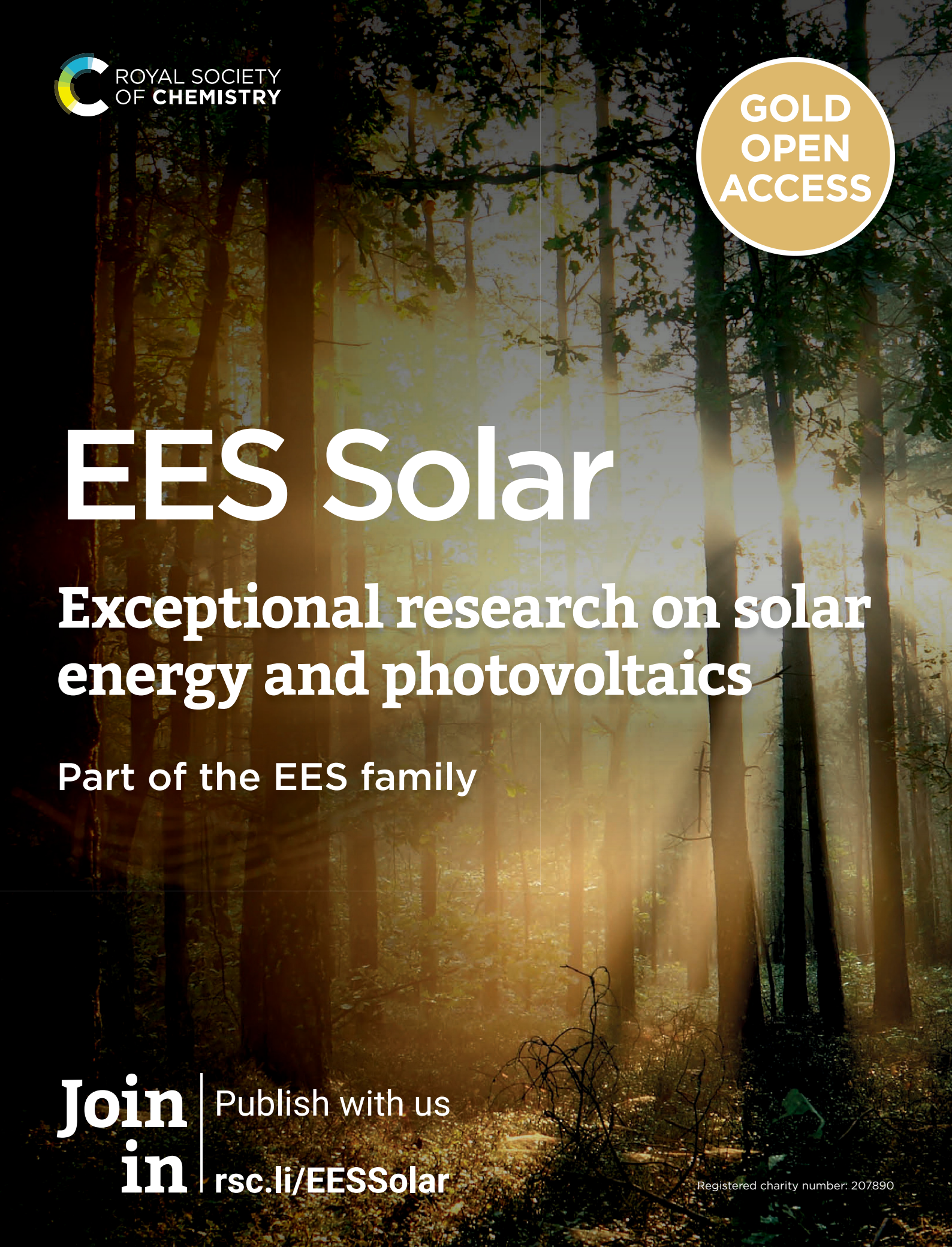
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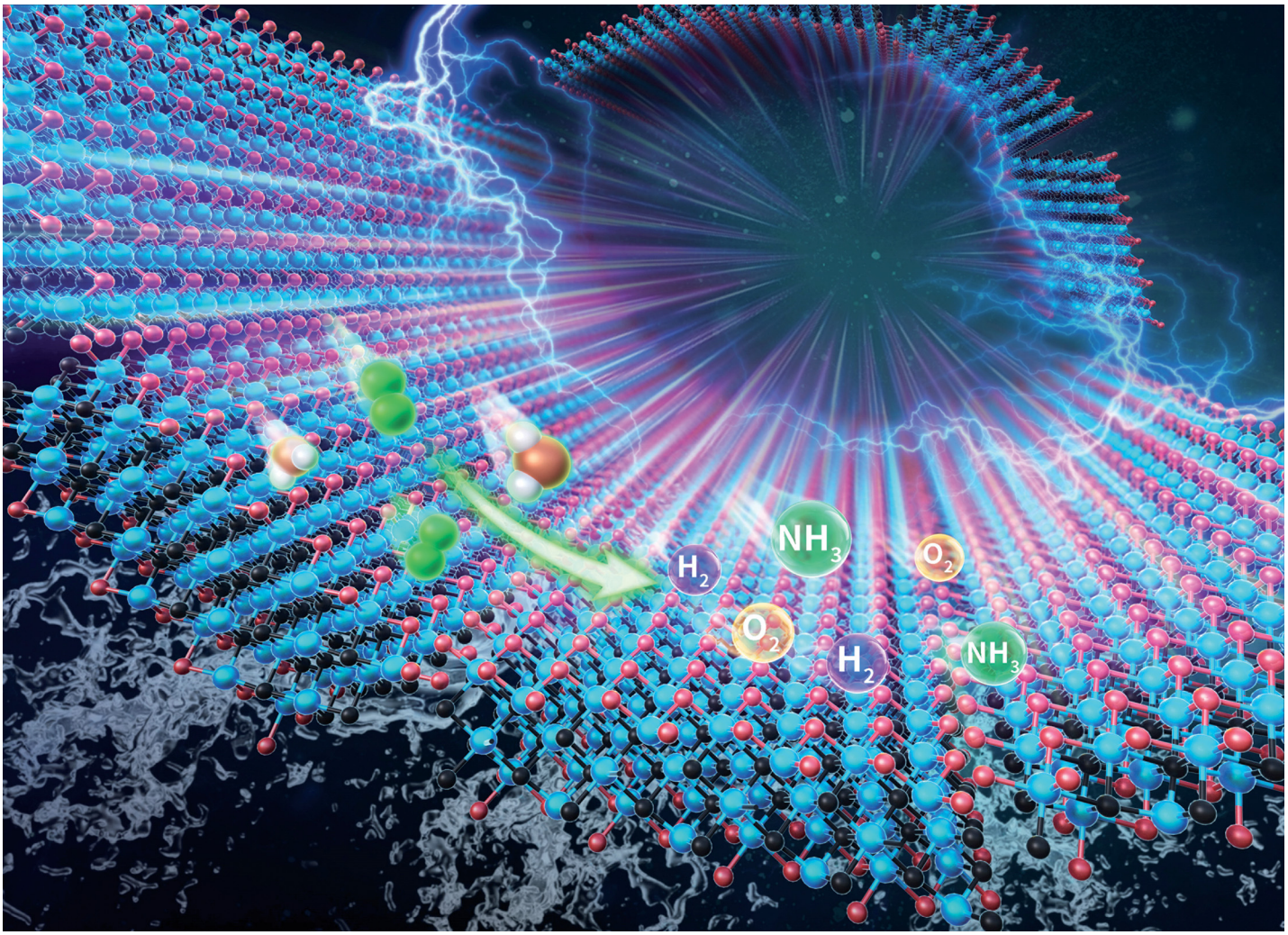
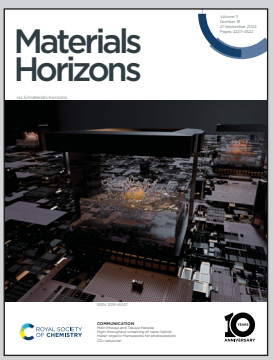



**Showcasing research from Professor Kun Liang's laboratory, Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences, Ningbo, China.**

Advances and challenges in MXene-based electrocatalysts: unlocking the potential for sustainable energy conversion

Electrocatalysis plays a central role in clean energy conversion, enabling many sustainable processes for future technologies. This review focuses on the latest progress in the design strategies and application of MXenes as electrocatalysts, including surface modification, MXene lattice substitution, defect and morphology engineering, and heterostructure construction. The image shows the artistic expression of MXene-based electrocatalysts to promote molecular transformation.

## As featured in:




See Kun Liang *et al.*, *Mater. Horiz.*, 2024, **11**, 4239.

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