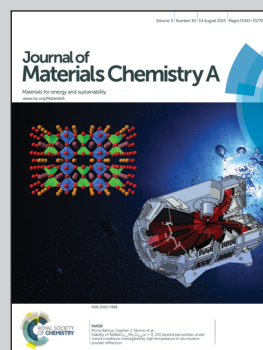


Showcasing Zhenyu Sun's research at Department of Chemistry and Biochemistry, Ruhr University Bochum, Universitätsstraße 150, 44801 Bochum, Germany.

Title: High-quality functionalized few-layer graphene: facile fabrication and doping with nitrogen as a metal-free catalyst for the oxygen reduction reaction

We demonstrate a facile, highly efficient and mild covalent functionalization of graphene using HNO_3 vapour. This results in functionalized few-layer graphene (FLG) that is high in both quantity and quality. It allows for further doping for applications, for example with nitrogen as a metal-free catalyst in the oxygen reduction reaction.

As featured in:



See Zhenyu Sun et al.,
J. Mater. Chem. A, 2015, **3**, 15444.



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