

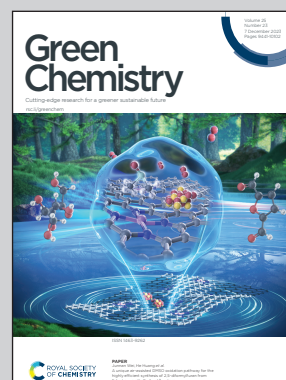


Showcasing research from Associate Professor Jun Xiang's laboratory, College of Biomass Science and Engineering, Sichuan University, Chengdu, China.

A facile, general, and modular synthetic approach to biomass-based diols

A modular synthetic route to prepare biomass-based diols (BDOs) is demonstrated. By selecting readily available starting biobased materials, including acids, aldehydes, isonitriles, and hydroxythiol as the building blocks, this method offers a convenient and efficient way for accessing structurally diverse BDOs without the need for catalysts and under mild reaction conditions. By simplifying the BDO synthesis process, this method is poised to lead to a prosperous development for BDOs and lend support towards the construction of an environmentally sustainable planet.

As featured in:



See Jun Xiang *et al.*, *Green Chem.*, 2023, **25**, 9659.