



Showcasing research from Associate Professor Juan Yu and Professor Yimin Fan's laboratory, College of Chemical Engineering, Nanjing Forestry University, Nanjing, China and Associate Professor, Xiaofang Zhang, State Key Laboratory of New Textile Materials and Advanced Processing Technologies, Wuhan Textile University, Wuhan, China.

One-pot cellulose etherification and self-crosslinking *via* a mild hydroxyl-yne click reaction in a homogeneous system

A sustainable one-pot etherification and self-crosslinking of cellulose in the homogeneous system was demonstrated *via* hydroxyl-yne click reaction, which could impart excellent stress, solvents resistance, UV-shielding and UV self-reinforcing to cellulose, promoting the high-value utilization of cellulose materials.

As featured in:



See Juan Yu, Xiaofang Zhang, Yimin Fan *et al.*, *Green Chem.*, 2023, 25, 2608.