

Supporting Information

Eco-friendly urea-free pretreatment to enhance the inkjet printing performance of reactive dye ink on cotton fabric

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Table 1S. Diffusion coefficients of reactive dye through cotton fabrics with different moisture contents.

	5% moisture contetn	15% moisture contetn	30% moisture contetn	65% moisture contetn
D (cm^2s^{-1})	1.65×10^{-6}	6.62×10^{-6}	1.66×10^{-5}	2.42×10^{-5}

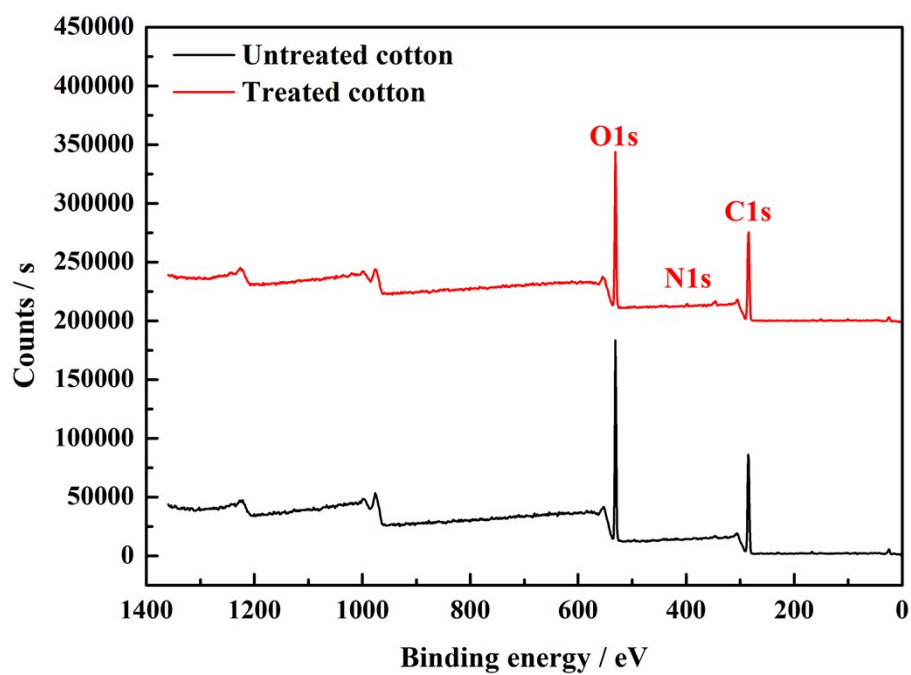


Figure 1S. Survey scan of XPS analysis of cotton fabric (a) untreated and (b) treated by urea-free dye fixation process.

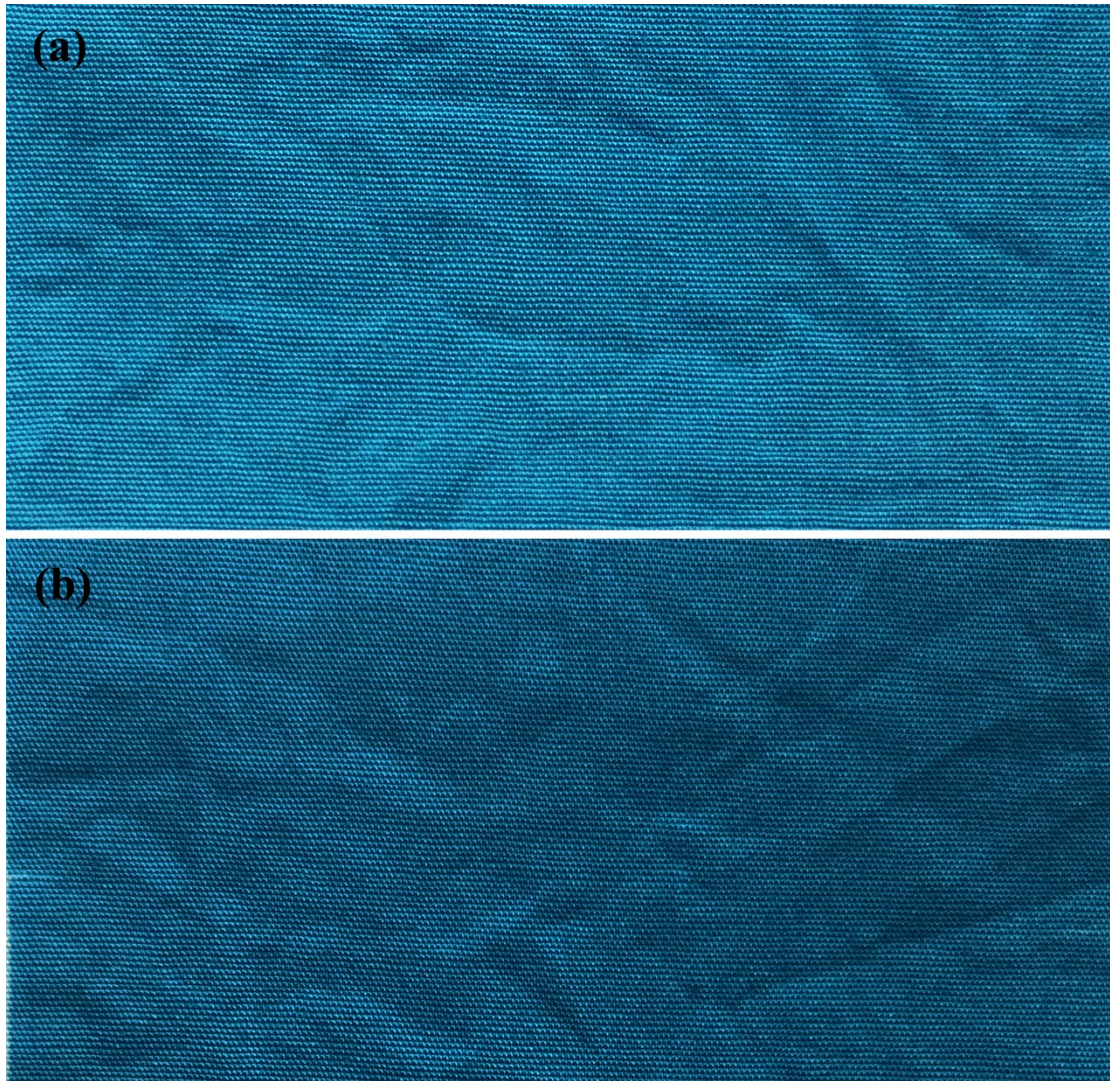


Figure 2S. The picture of the cotton fabric printed (a) conventional process, (b) urea-free dye fixation process.