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Supporting Information

Removal of SO_2 by a Mixture of Caprolactam Tetrabutyl Ammonium Bromide Ionic Liquid and Sodium Humate Solution

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Summary:

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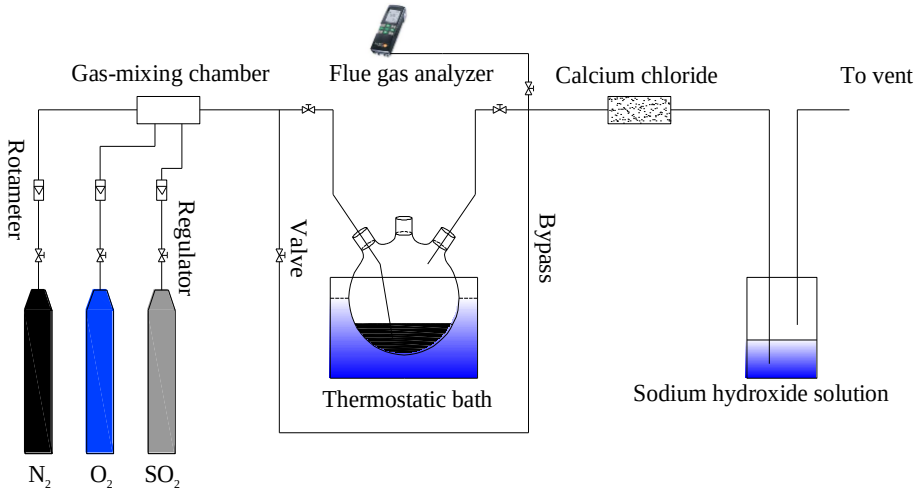

Fig.S1 Schematic of the experimental apparatus

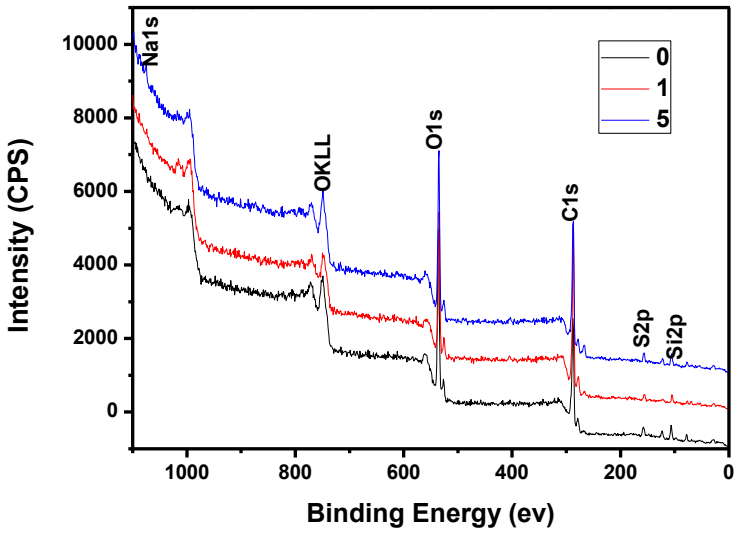

Fig.S2 XPS survey spectra of desulfurization products.

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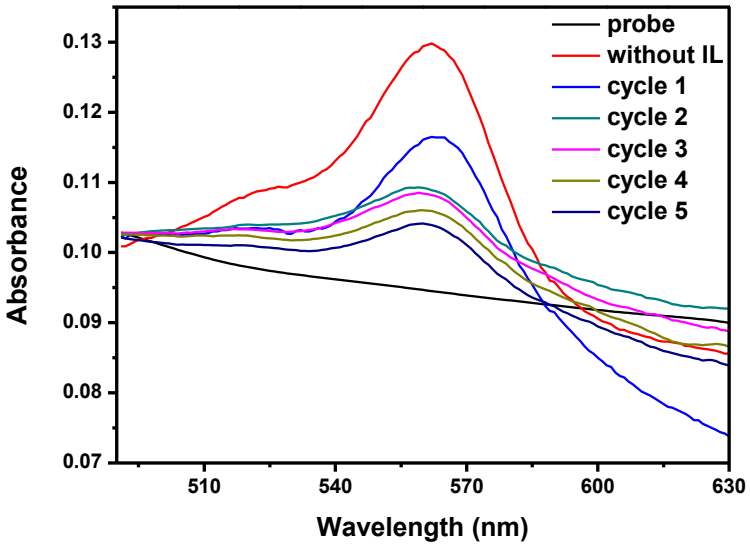

Fig.S3 The absorption spectra of rhodamine-based fluorescent probe (50μmolL^{-1}) in water-ethanol (90/10, v/v) buffered at pH4.8 upon mixing with desulfurization supernatant before and after absorbing SO_2.

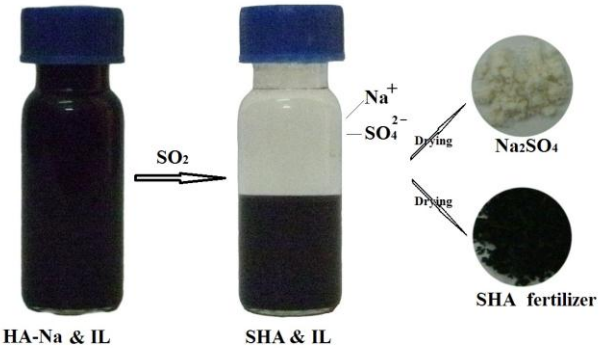

Fig.S4 The Photo of A. HA-Na & IL solution; B. desulfurization liquid; C. SHA compound fertilizer; and D. Na_2SO_4.