



Supplementary Materials

Highly Efficient Iron Oxide Nanoparticles Immobilized on Cellulose Nanofibril Aerogels for Arsenic Removal from Water

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Table S1. Summary of aerogel formulation before and after the incorporation of IONPs.

Sample Name	CNF		IONPs		Crosslinker (CL)		Adsorbent
	CNF wt. %	CNF Dry Mass (mg)	IONP wt. %	IONP Dry Mass (mg)	CL wt. % (Based on Dry CNF)	CL Dry Mass (mg)	Adsorbent Dry Mass (mg)
CNF Aerogel	100	35	0	5	5	0.07	35.07
CNF-IONP Aerogel	87.5	35	12.5	5	5	0.07	40.07

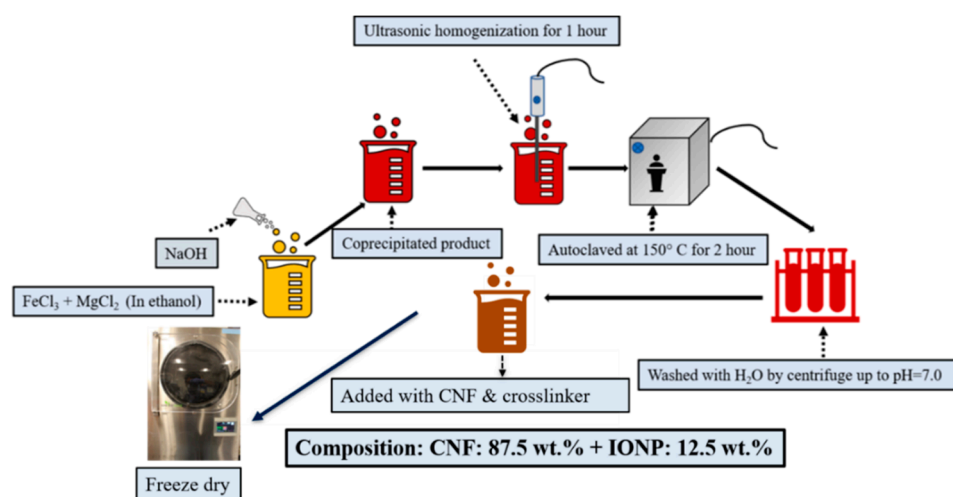


Figure S1. The summary of the preparatory scheme for CNF-IONP aerogel.

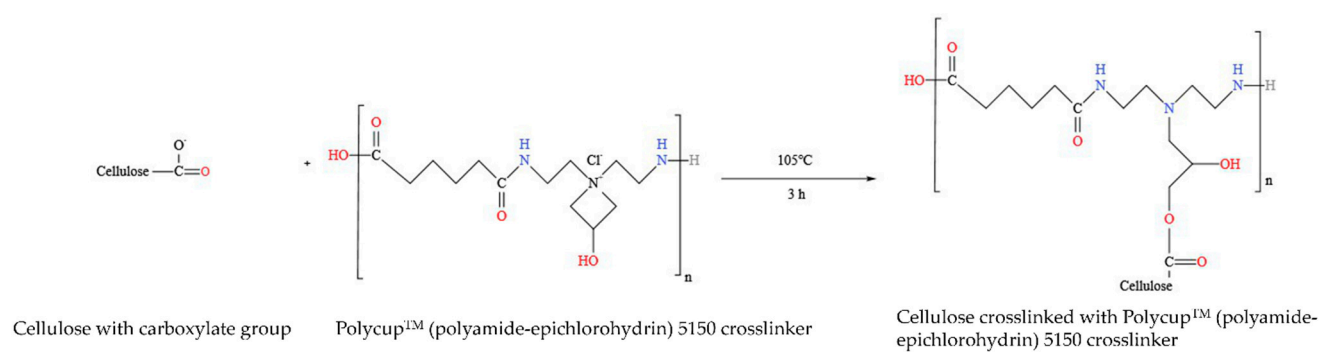


Figure S2. Proposed reaction mechanism between cellulose and Polycup™.

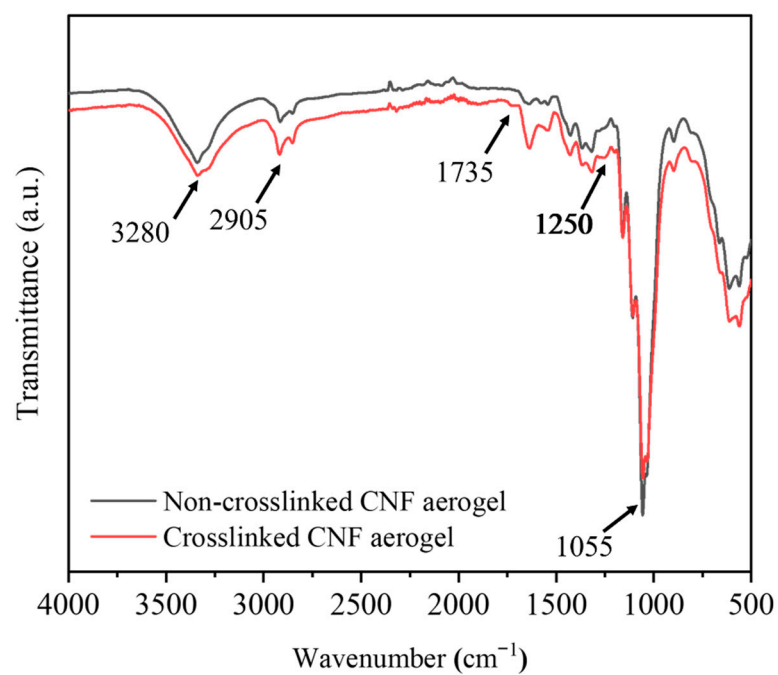


Figure S3. The FT-IR spectrum of crosslinked and non-crosslinked CNF aerogel.