

Supplementary information

Table S1 ions various	Adsorbent	Adsorption capacity (mg/g)				Reference	Metal uptake by
		Cu ²⁺	Pb ²⁺	Cr ³⁺	Zn ²⁺		
		Polyamidoxime chelating corn-cob cellulose	216.1		215.3		
Poly(amidoxime) chelating khaya cellulose	282		229	211	32		
Amidoxime-modified polyacrylonitrile nanofibers	52.70	263.5			35		
Poly(hydroxamic acid)-poly(amidoxime) acacia cellulose	163.2		145.6	245.7	36		
Poly(amidoxime) chelating sago starch	192			60.8	43		
Poly(hydroxamic acid) chelating sago starch	221.4		126.4		44		
Amidoximed cotton cellulose ligand	102.4				45		
Fibrous amidoxime-functionalized SiO ₂ microspheres		284			46		
Poly(amidoxime-hydroxamic acid) cotton cellulose	395.3	333.3	268.8	216.9	This work		

adsorbents containing amidoxime and/or hydroxamic acid functional groups