

Electronic Supplementary Information (ESI)

Solvothermal Synthesis of Carboxyl and Amido Functionalized Mesoporous Resins for Water Treatments

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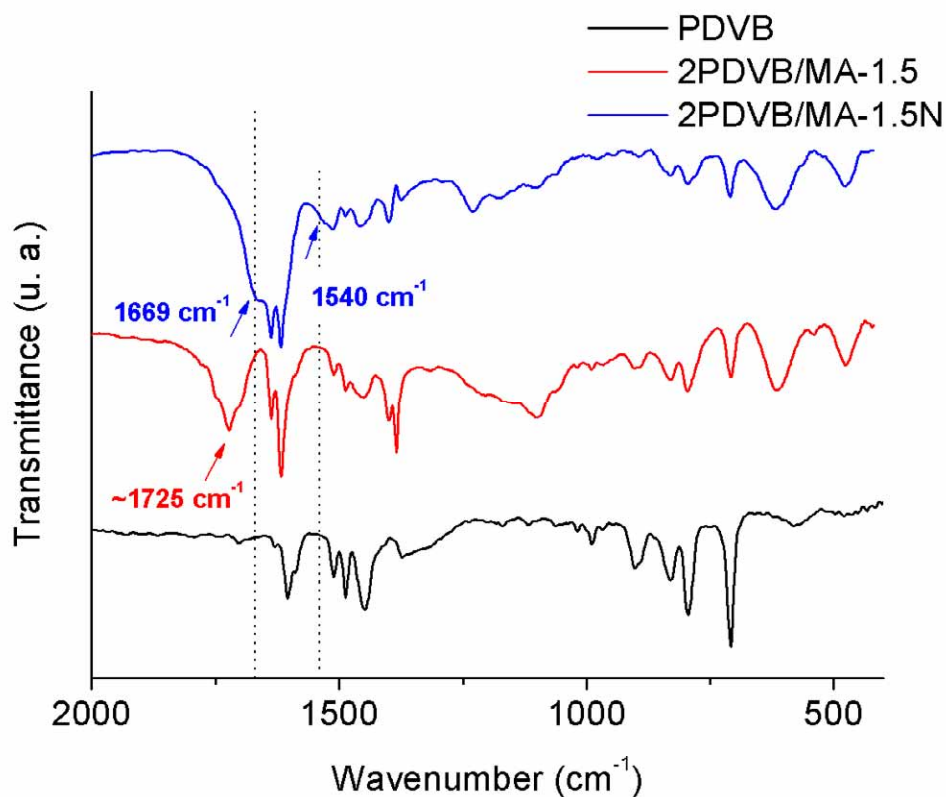


Fig. S1 IR spectra of PDVB (polydivinylbenzene), 2PDVB/MA-1.5 and 2PDVB/MA-1.5N samples.

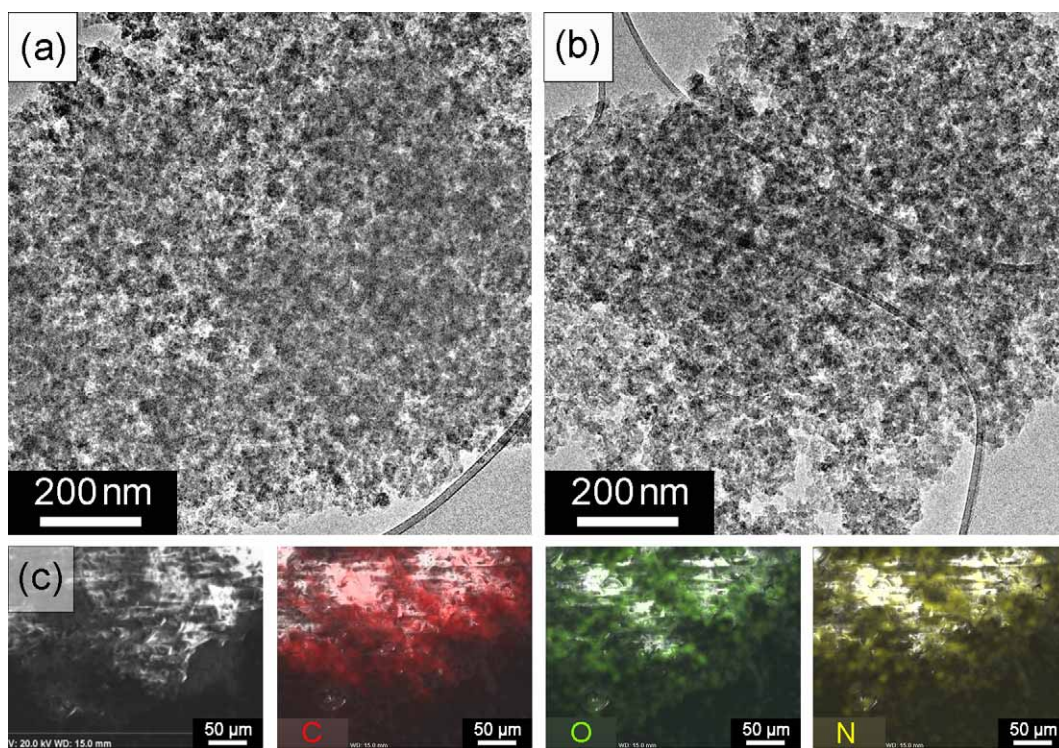


Fig. S2 TEM images of (a) 5PDVB/MA-1.5N, (b) 2PDVB/MA-1.5N, and (c) SEM image and C, O, N maps of 2PDVB/MA-1.5N.

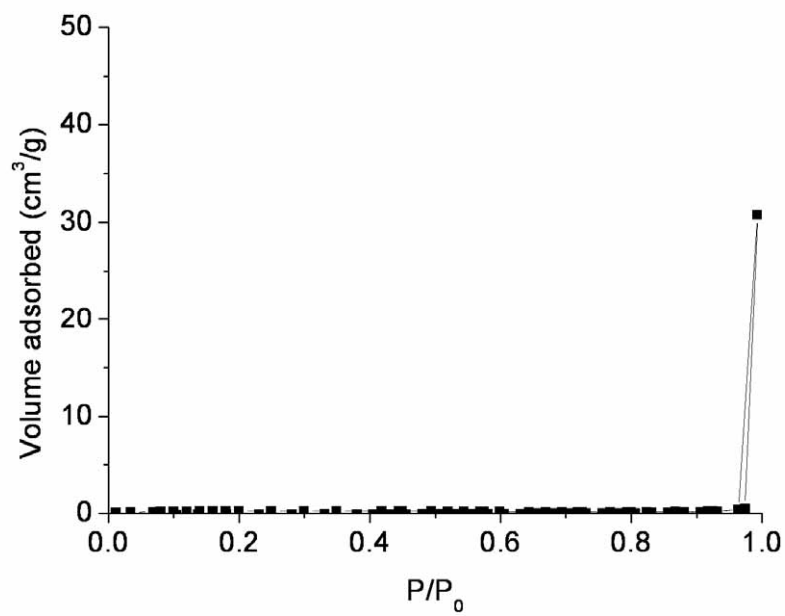


Fig. S3 N₂ isotherm of 1PDVB/PMA-1.5 sample ($m_{\text{DVB}}/m_{\text{MA}} = 1$).

Table S1

Sample	Adsorptive capacity	
	Water (mg/g)	Co ²⁺ (mmol/g)
5PDVB/MA-1.5	88	0.55
2PDVB/MA-1.5	220	1.45
XAD-4	30	0.04
Activated carbon	270	0.38
Amberlyst-15	-	1.78
NaA zeolite	-	1.87