Supplementary Information

Fig. S1 plot of Lewis acid amount versus surface area for the CP catalysts

Fig. S2 effect of reaction time on the dehydration of fructose over CP120 (HMF yield, glucose conversion, HMF selectivity; Reaction conditions: fructose: 200 mg, catalyst: 50 mg, solvent: 10 ml DMSO, temperature: 160 °C, [a]: the dehydration of glucose, the other reaction conditions are the same as the dehydration of fructose, glucose conversion)
Fig. S3 XRD patterns of A: CP120 and B: CP120-used-1