Electronic Supplementary Material (ESI) for Green Chemistry.

Supporting Information

Selective oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid over MnO_x-CeO_2 composite catalysts

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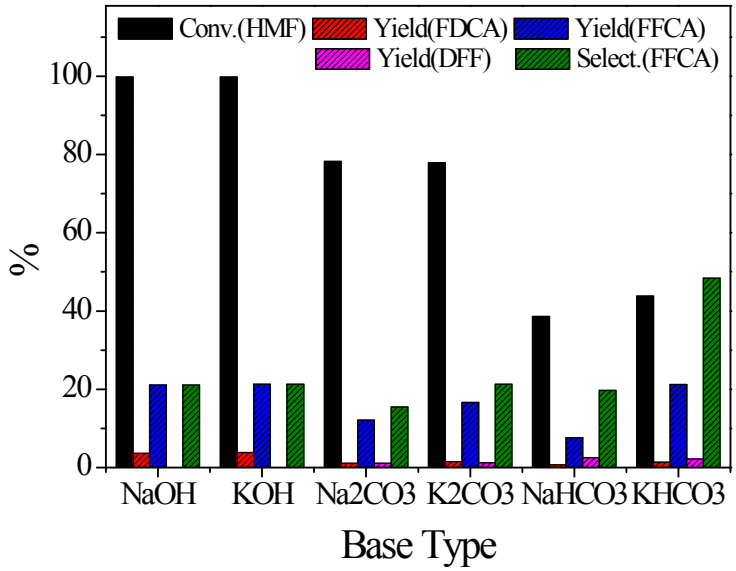

Figure S1. Effect of base type in the oxidation of HMF under catalyst-free conditions. Reaction conditions: HMF (0.5 mmol), H_2O (10 mL), O_2 (2.0 MPa), 110 °C, 6 h, binary alkali/HMF=2 or monovalent alkali /HMF=4.

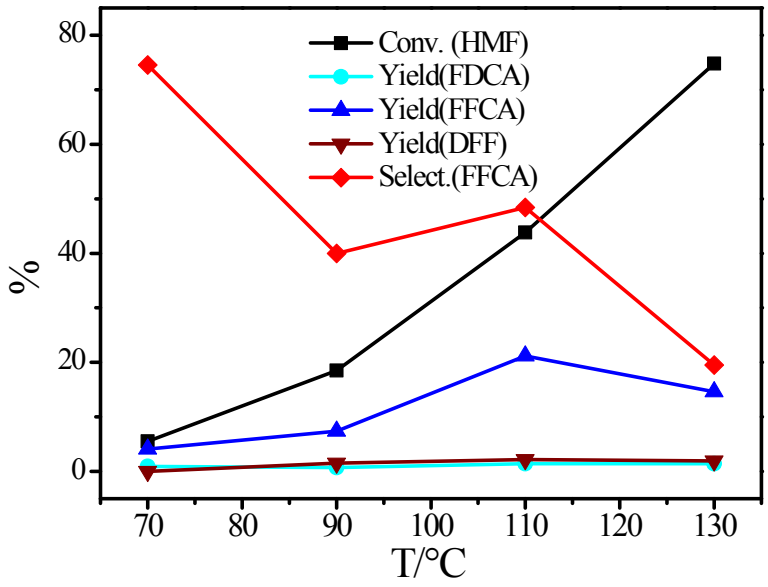

Figure S2. Effect of temperature in the oxidation of HMF under catalyst-free conditions.

Reaction conditions: HMF (0.5 mmol), H_2O (10 mL), O_2 (2.0 MPa), 6 h, $KHCO_3$/HMF=4.

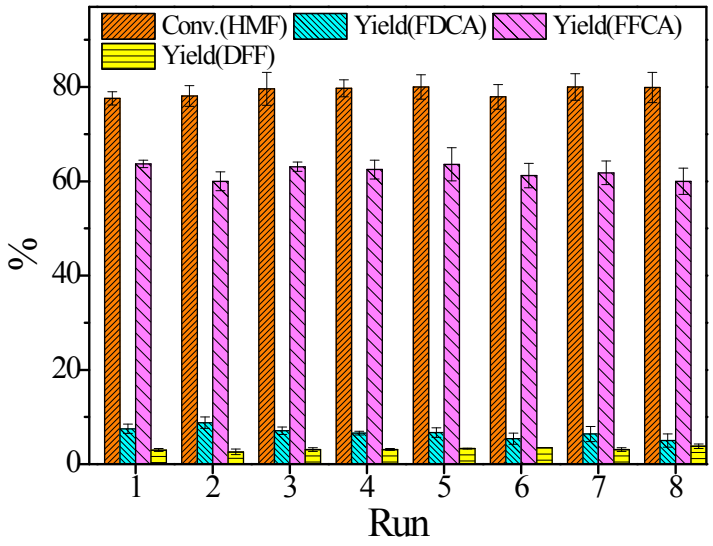

Figure S3. The recyclability experiments of MC-6 catalyst in the oxidation of HMF. Reaction conditions: HMF (0.5 mmol), catalyst (0.1 g), H_2O (10 mL), O_2 (2.0 MPa), 110 °C, 1 h, $KHCO_3$/HMF=2.