

## Supplementary Material

### **Novel homogeneous and mesoporous MnO<sub>x</sub>-doped ceria nanosheets as catalysts for low-temperature selective catalytic reduction**

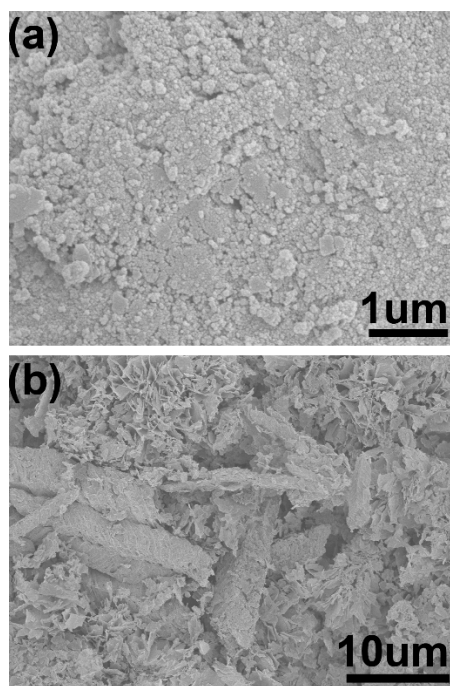
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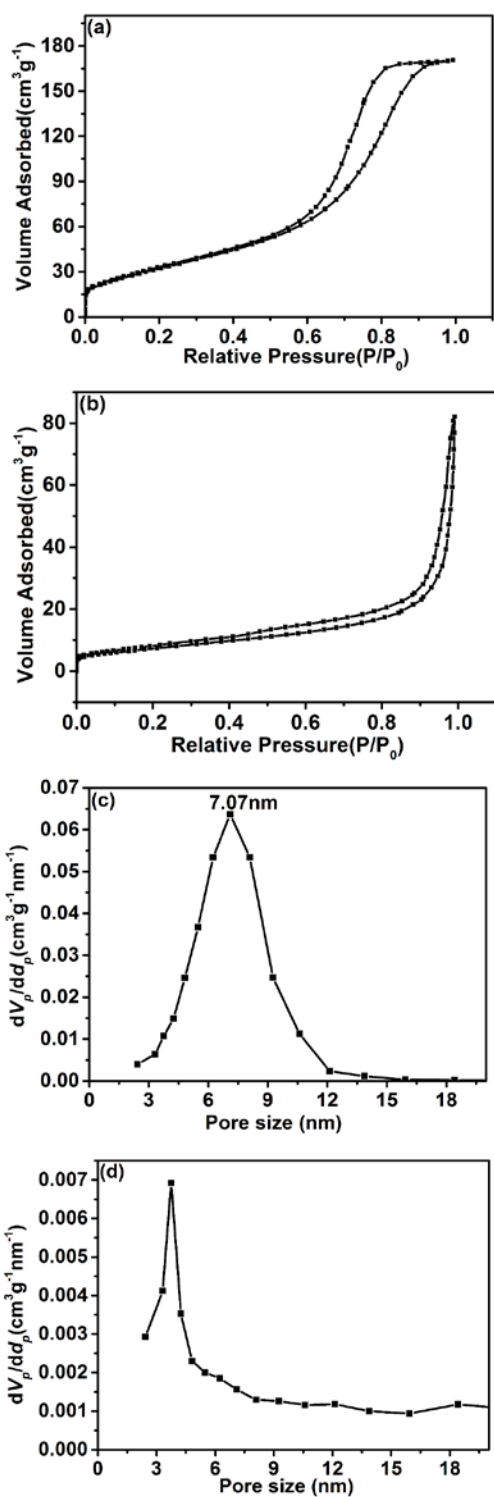
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**Table S1.** The specific amounts of reagents

Samples	Ce(Ac) <sub>3</sub> ·4H <sub>2</sub> O (mmol)	Mn(Ac) <sub>2</sub> ·4H <sub>2</sub> O (mmol)	BTA (mmol)
CeO <sub>2</sub> -BTA-HCP	5	0	6
MnO <sub>x</sub> (0.2)-CeO <sub>2</sub> -BTA-HCP	4	1	4.2
MnO <sub>x</sub> (0.3)-CeO <sub>2</sub> -BTA-HCP	3.5	1.5	4.05
MnO <sub>x</sub> (0.4)-CeO <sub>2</sub> -BTA-HCP	3	2	3.9
MnO <sub>x</sub> (0.5)-CeO <sub>2</sub> -BTA-HCP	2.5	2.5	3.75
MnO <sub>x</sub> -CeO <sub>2</sub> -BTA-HCP	0	5	3



**Fig. S1.** SEM of catalysts. (a) MnO<sub>x</sub>(0.4)-CeO<sub>2</sub>(CP); (b) MnO<sub>x</sub>(0.4)-CeO<sub>2</sub> (PMC).



**Fig. S2.** Nitrogen adsorption–desorption isotherm profiles (a-b) and the corresponding BJH pore size distributions (c-d). a&c MnO<sub>x</sub>(0.4)-CeO<sub>2</sub>(CP); b&d MnO<sub>x</sub>(0.4)-CeO<sub>2</sub>(PMC).