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## ACCEPTED MANUSCRIPT

In situ fabrication of highly active  $\gamma$ -MnO<sub>2</sub>/SmMnO<sub>3</sub> catalyst for deep catalytic oxidation of gaseous benzene, ethylbenzene, toluene, and o-xylene

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# Mn(Ac)<sub>2</sub> Sm(Ac)<sub>3</sub> CA Mn Sm Decarbonization CA Polymerization SmMnO<sub>3</sub> CO<sub>2</sub> γ-MnO<sub>2</sub>/SmMnO<sub>3</sub> H<sub>2</sub>O

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