

Supporting Information

Co₃O₄-CeO₂ functionalized SBA-15 monolith with three-dimensional framework improves NO_x-assisted soot combustion

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Table S1 The temperatures and the selectivity to CO₂ for soot combustion over SM under different atmosphere

Catalysts	Treatment	Atmosphere	T_{10} (°C)	T_{50} (°C)	T_{90} (°C)	S_{CO_2} (%)
SM+soot,	Mixed ^a	O ₂	452	558	604	56
SM+soot,	Mixed ^a	NO+O ₂	446	558	601	56
2-Co _{0.2} Ce _{0.8} /SM	Mixed ^a	NO+O ₂	325	393	448	100
2-Co _{0.2} Ce _{0.8} /SM	Ultrasonic ^b	NO+O ₂	293	345	378	100
2-Co _{0.2} Ce _{0.8} /SM	Mixed	O ₂	444	512	548	100

^a Mixed, the catalysts and soot were mixed by spatula;

^b Ultrasonic, the catalysts and soot were treated by ultrasonic.