

Supporting Material

Manipulating catalytic activity and durability of Pt-modified Cu–Fe–La/ γ -Al₂O₃ ternary catalyst for catalytic wet air oxidation: Effect of calcination temperature

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757-82781287.

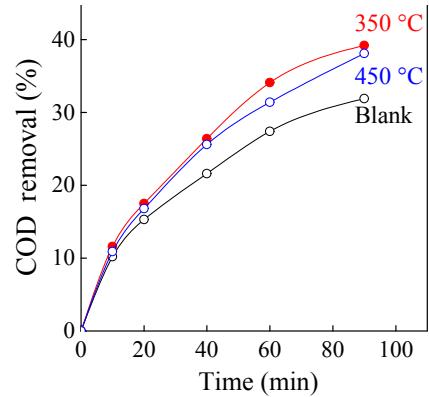


Fig. S1 influence of calcination temperature on the COD removal efficiency of catalysts.

Table S1 Pore structure of Pt₁Cu₁Fe₁La₃/γ-Al₂O₃ catalysts calcined at different temperatures

Calcined Temperature s (°C)	S_{BET} (m ² ·g ⁻¹)	V_p (cm ³ ·g ⁻¹)	D_p (nm)
350	273.6	0.52	8.2
450	270.4	0.51	7.6
550	252.3	0.51	8.3
650	242.5	0.50	8.6
750	196.8	0.49	8.7

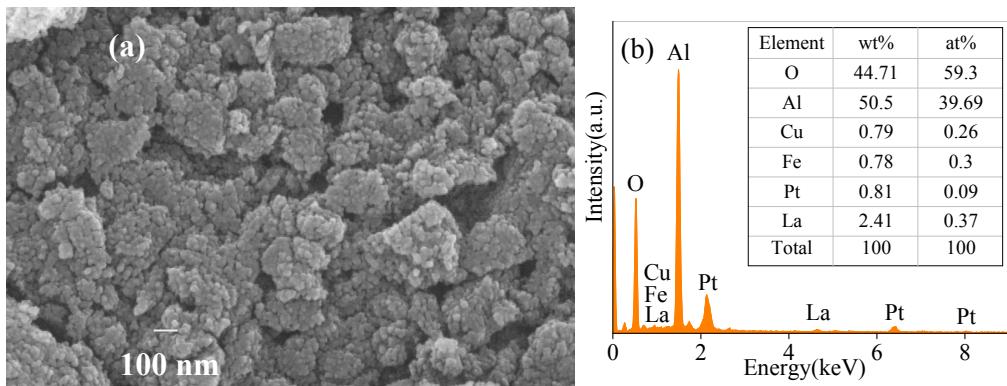


Fig. S2 FESEM-EDS of $\text{Pt}_1\text{Cu}_1\text{Fe}_1\text{La}_3/\gamma\text{-Al}_2\text{O}_3$ catalyst calcined 650 °C: (a) FESEM image, (b) EDS spectrum.

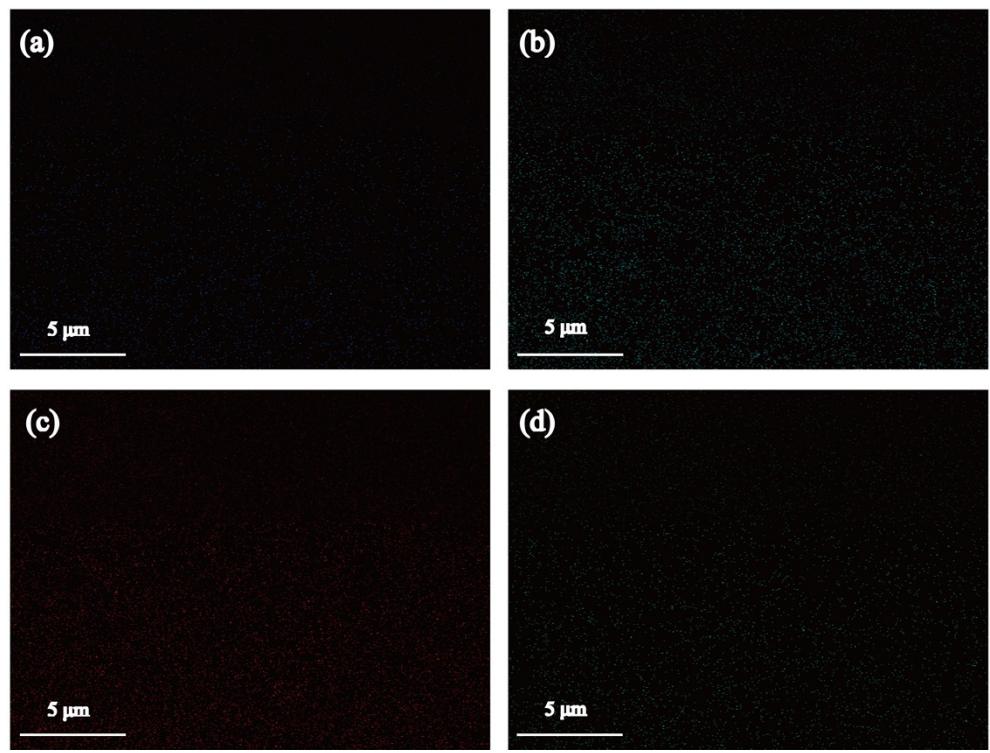


Fig. S3 FESEM-EDS elemental maps of $\text{Pt}_1\text{Cu}_1\text{Fe}_1\text{La}_3/\gamma\text{-Al}_2\text{O}_3$ catalyst calcined 650 $^{\circ}\text{C}$: (a) Cu, (b) Fe, (c) Pt, (d) La.