

Supplementary Materials: Effect of Different Nano-sized Silica Sols As Supports on the Structure and Properties of Cu/SiO₂ for Hydrogenation of Dimethyl oxalate

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Table S1. texture properties of the catalysts.

Supports	Particles size(nm)	Surface area (m ² /g) ^a	S _{BET} (m ² /g) ^b	V _p (cm ³ g ⁻¹)	D _p (nm)
0.004 Micron Particles	4	650	486.9	1.54	6.7
0.01 Micron Particles	10	305	385.5	1.13	8.9
0.02 Micron Particles	20	-	278.5	0.71	9.4

^a Specific surface area indicated on the product label; ^b The S_{BET}, V_p and D_p was measured by nitrogen adsorption desorption.

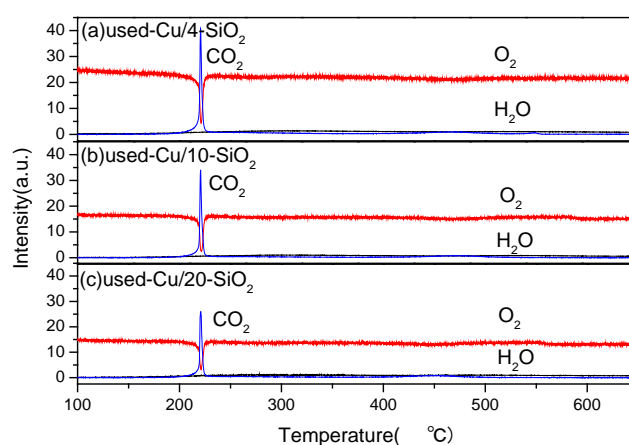


Figure S1. TPOs of the spent catalysts for 8 hours of reaction.

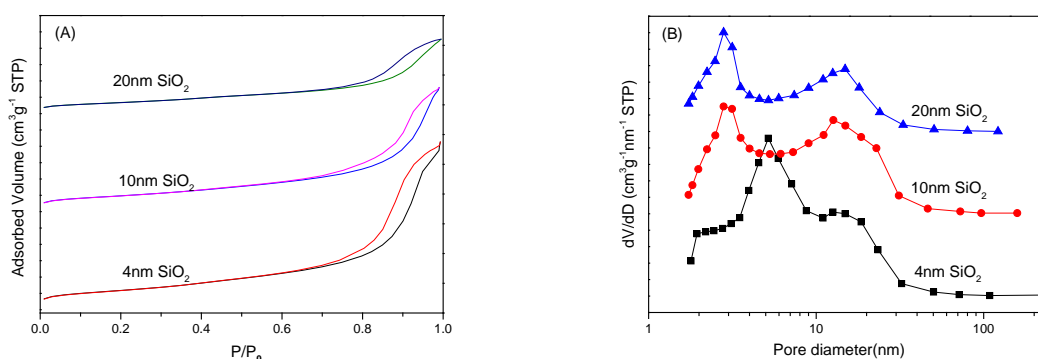


Figure S2. (A) N₂ adsorption–desorption isotherms, and (B) BJH pore size distributions of calcined supports.