

Supplementary Information

Comparison study of preferential oxidation of CO over nanocrystalline Cu/CeO₂ catalysts synthesized by different preparation methods

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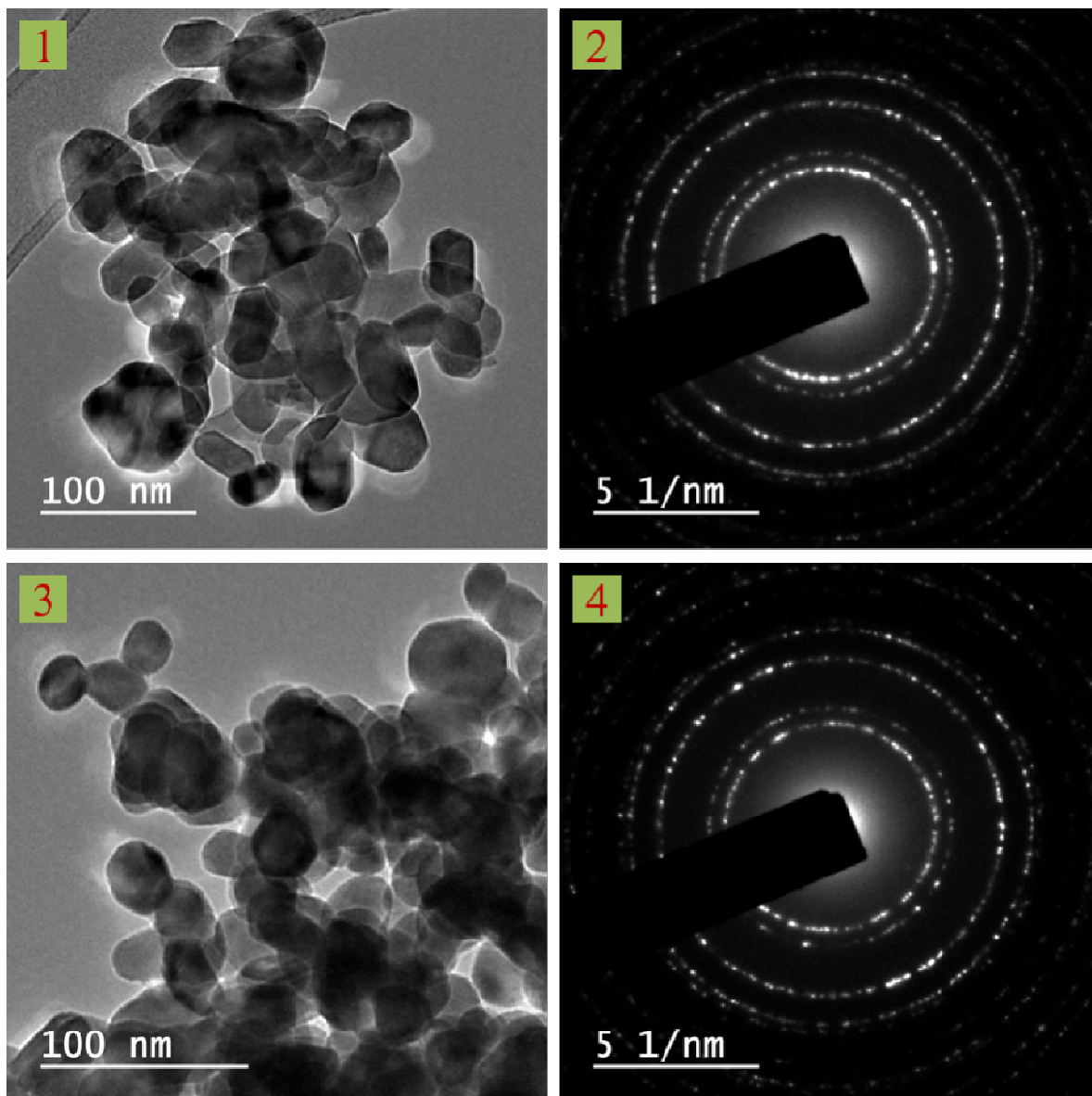


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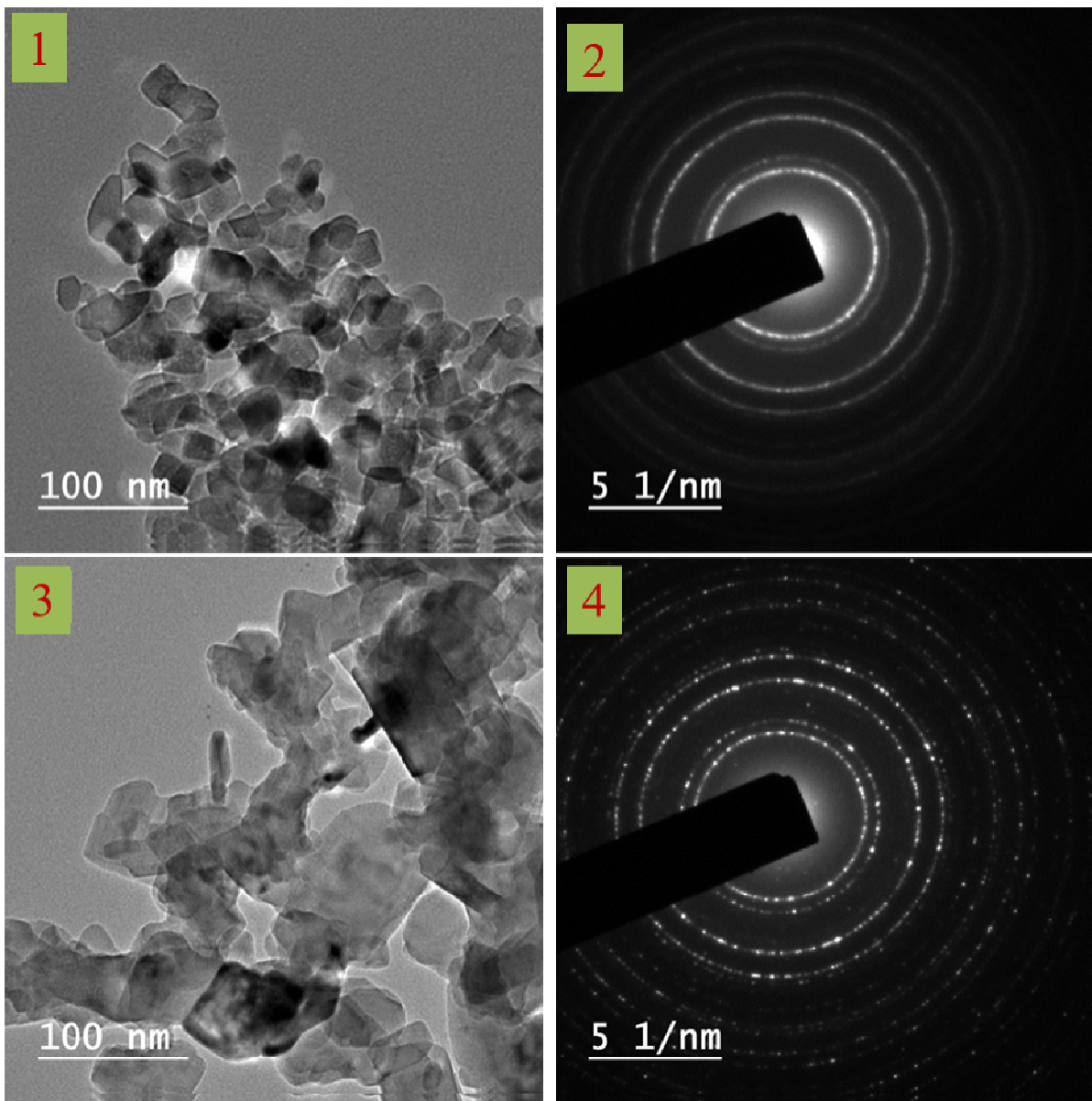


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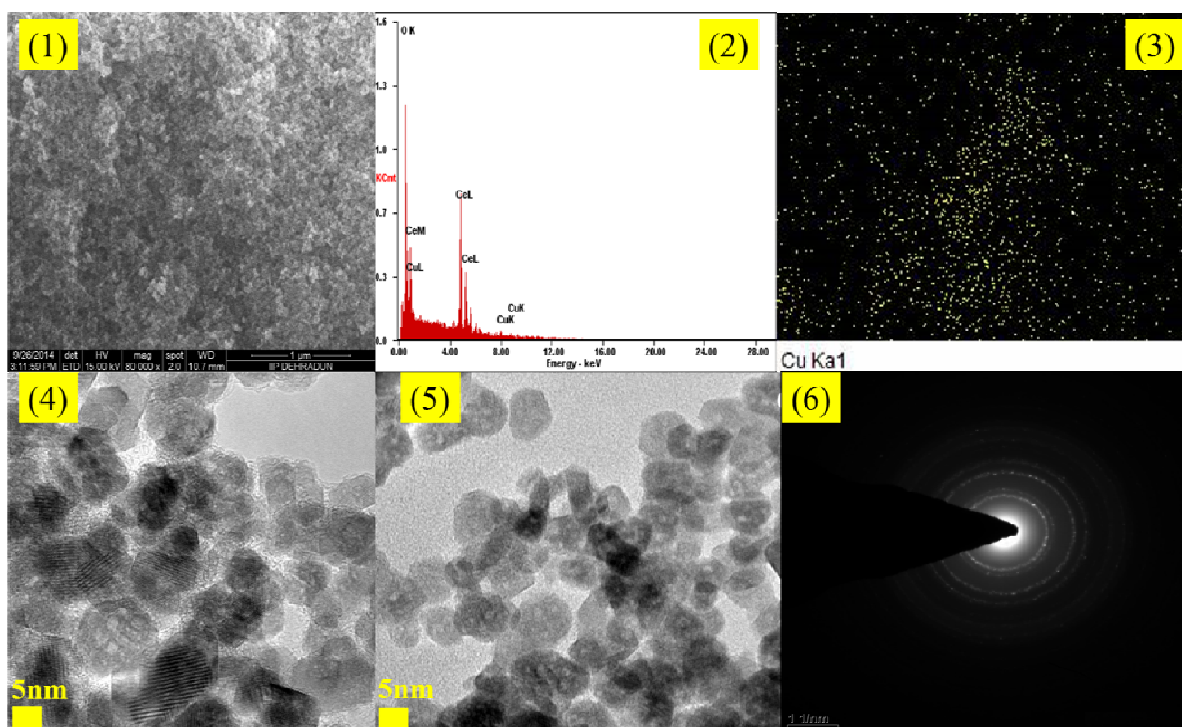


Fig. S3 — SEM of (1) $3.5\%Cu-CeO_2^{HYD}$; (2) Elemental mapping of $3.5\%Cu-CeO_2^{HT}$ from SEM; (3) Elemental mapping of Cu in $3.5\%Cu-CeO_2^{HYD}$ from SEM; (4) TEM image of fresh catalyst $3.5\%Cu-CeO_2^{HYD}$; (5) TEM image of spent catalyst $3.5\%Cu-CeO_2^{HYD}$ after 100 hours and (6) SAED pattern of $3.5\%Cu-CeO_2^{HYD}$ catalyst.

Table S1 — Surface Cu atomic ratios.	
Catalyst	$Cu/(Cu + Ce)_{surface}^*$
$3.5\%Cu-CeO_2^{HYD}$	0.608
$3.5\%Cu-CeO_2^{IMP}$	0.578
$3.5\%Cu-CeO_2^{COMB}$	0.575

*Experimental values estimated by XPS.