

Electronic Supplementary Information (ESI†) for

NO reduction by CO over CuO–CeO₂ catalysts: effect of preparation methods

Xiaojiang Yao ^{a, b}, Fei Gao ^b, Qiang Yu ^c, Lei Qi ^{a, b}, Changjin Tang ^{a, b, *}, Lin Dong ^{a, b, *}
and Yi Chen ^{a, b}

^a *Key Laboratory of Mesoscopic Chemistry of MOE, School of Chemistry and Chemical Engineering, Nanjing University, Nanjing 210093, PR China*

E-mail addresses: tangcj@nju.edu.cn (C.J. Tang); donglin@nju.edu.cn (L. Dong).

Tel.: +86 25 83592290; fax: +86 25 83317761.

^b *Jiangsu Key Laboratory of Vehicle Emissions Control, Center of Modern Analysis, Nanjing University, Nanjing 210093, PR China*

^c *Shanghai Research Institute of Petrochemical Technology, SINOPEC, Shanghai 201208, PR China*

Scheme S1. The detailed preparation procedures of these CuO–CeO₂ catalysts.

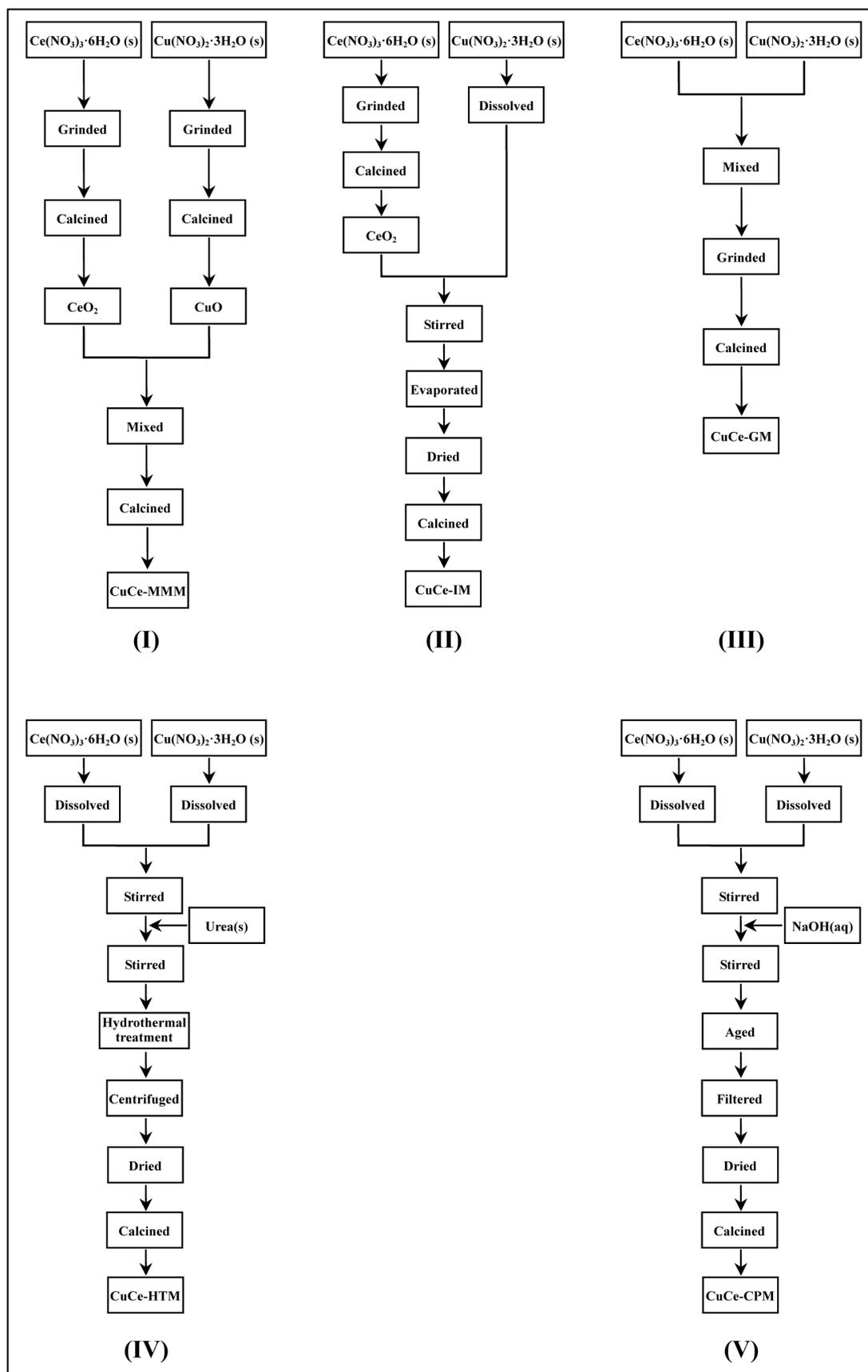


Table S1 The light-off temperatures of these catalysts.

Catalysts	T ₁₀ (°C) ^a	T ₅₀ (°C) ^a	T ₉₀ (°C) ^a
CeO ₂	308	--	--
CuCe-MMM	170	276	349
CuCe-IM	-- ^b	131	283
CuCe-GM	102	156	330
CuCe-HTM	104	164	339
CuCe-CPM	--	135	312

^a T₁₀, T₅₀ and T₉₀ are defined as the temperatures at 10%, 50% and 90% of NO conversion.

^b Not observed under the current conditions.