

Supporting Materials

Room Temperature Engineering Crystal Facet of Cu₂O for Photocatalytic Degradation of Methyl Orange

Jiwen Li ^{1,2,*}, Meizi He ^{1,3}, Jiankun Yan ¹, Jiahui Liu ¹, Jiaxin Zhang ^{1,4} and Jingjun Ma ^{1,*}

¹ College of Science and Technology, Hebei Agricultural University, Huanghua 061100, China; hemeizi21@mails.ucas.ac.cn (M.H.); jkylan007@foxmail.com (J.Y.); jiahuiliu97@163.com (J.L.); zhangjx0926@stumail.ysu.edu.cn (J.Z.)

² Hefei National Research for Physical Sciences at the Microscale, CAS Center for Excellence in Nanoscience, University of Science and Technology of China, Hefei 230026, China

³ State Key Laboratory of Coal Conversion, Institute of Coal Chemistry, Chinese Academy of Sciences, Taiyuan 030001, China

⁴ College of Environmental and Chemical Engineering, Yanshan University, Qinhuangdao 066004, China

* Correspondence: lijwen@hebau.edu.cn (J.L.); mjjwjpmartin@sina.com (J.M.); Tel./Fax: +86-317-560-5226 (J.M.)

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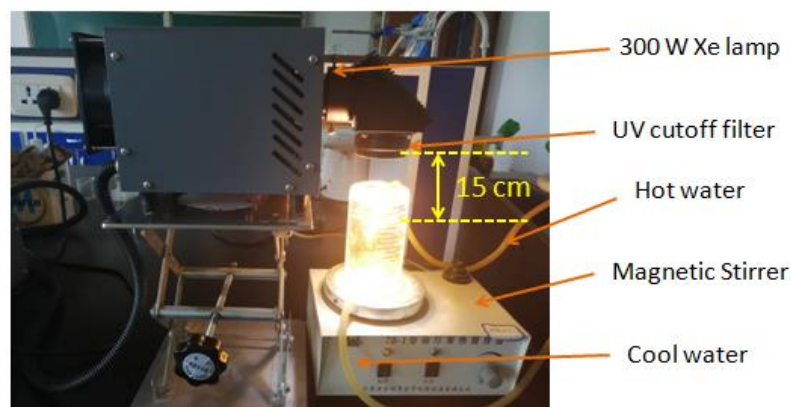


Figure S1. Photocatalytic apparatus.

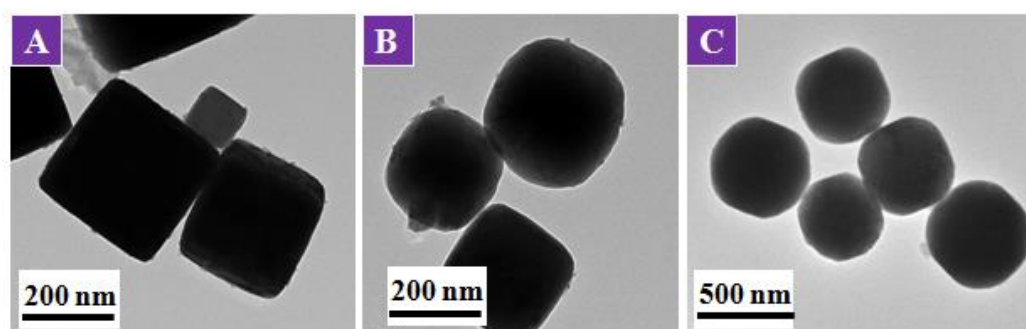


Figure S2. TEM images of (A) c-Cu₂O, (B) Cu₂O-1 and (C) Cu₂O-4.

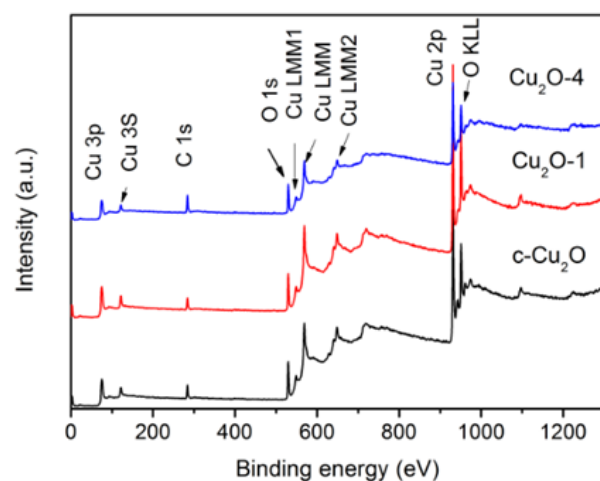


Figure S3. X-ray photoelectron spectroscopy (XPS) survey spectrum of c-Cu₂O, Cu₂O-1 and Cu₂O-4.

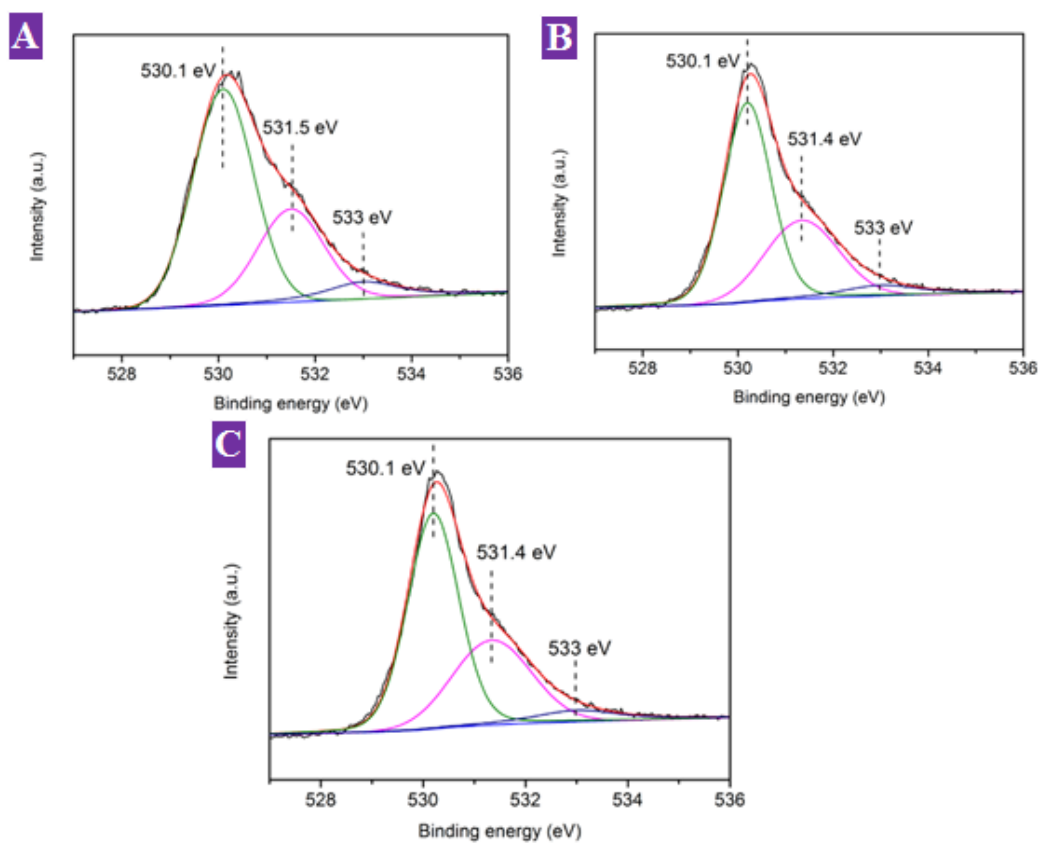


Figure S4. The O 1s XPS spectrum of (A) c-Cu₂O, (B) Cu₂O-1 and (C) Cu₂O-4.

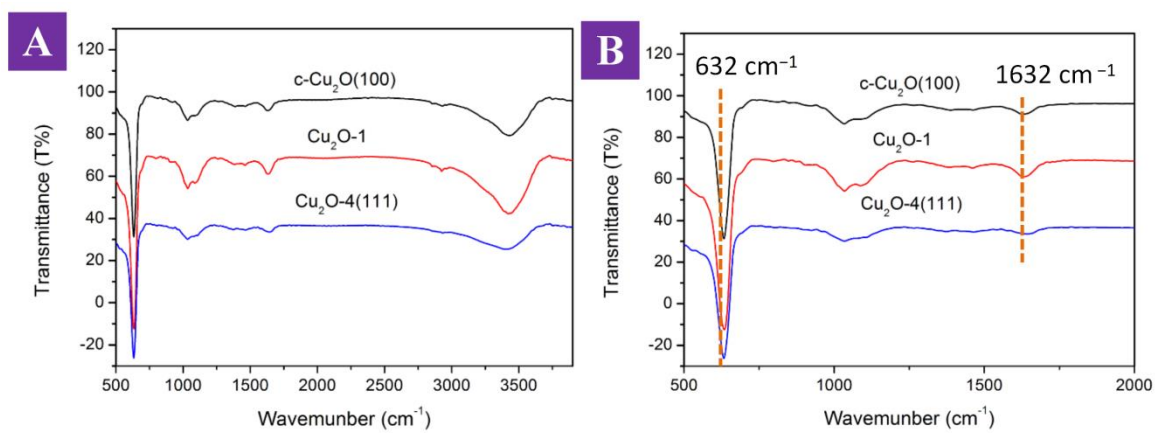


Figure S5. (A) FTIR spectra of c- Cu₂O, Cu₂O-1 and Cu₂O. (B) Corresponding to the enlarged views at 632 cm⁻¹ and 1632 cm⁻¹ in Figure A (marked by red dashed lines).