Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

Facile Synthesis of Litchi Shaped Cuprous Oxide and Its Application for Aerobic Oxidative Synthesis of Imines

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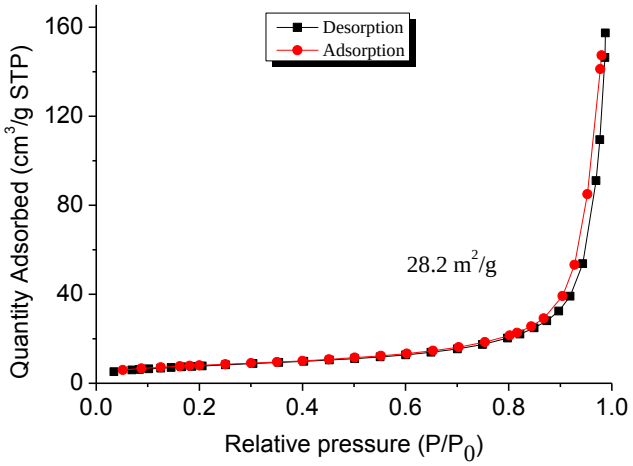
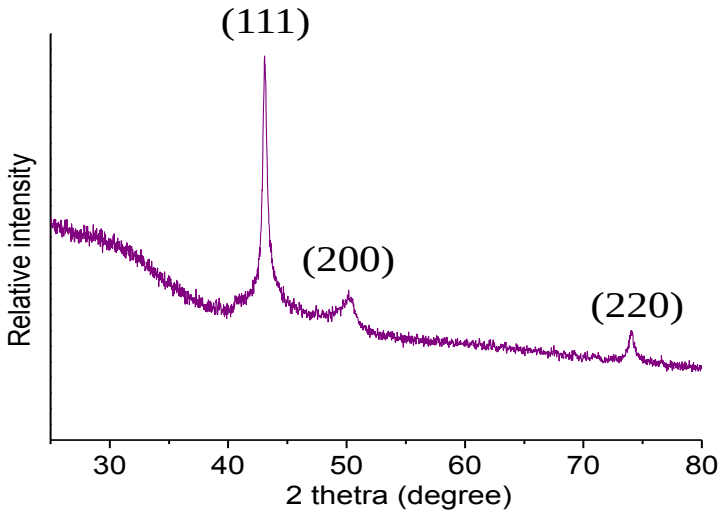
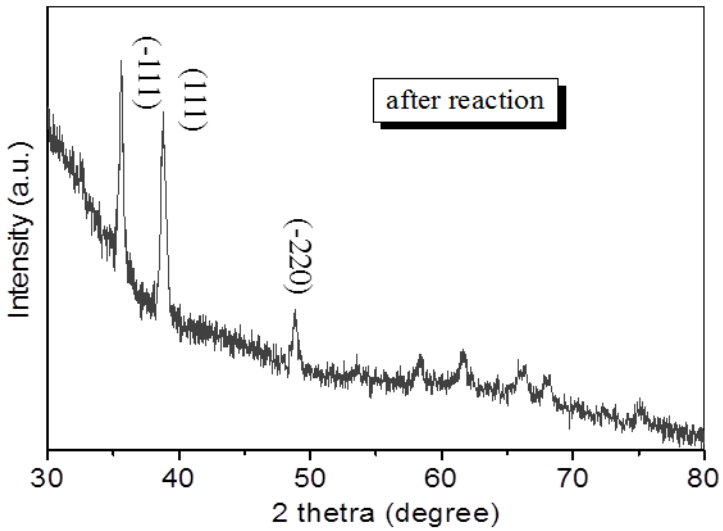


SFigure 1. BET plot of litchi shape Cu_2O nanoaggregates.



SFigure 2. XRD pattern of Cu nanoaggregates from Cu_2O nanoaggregates.

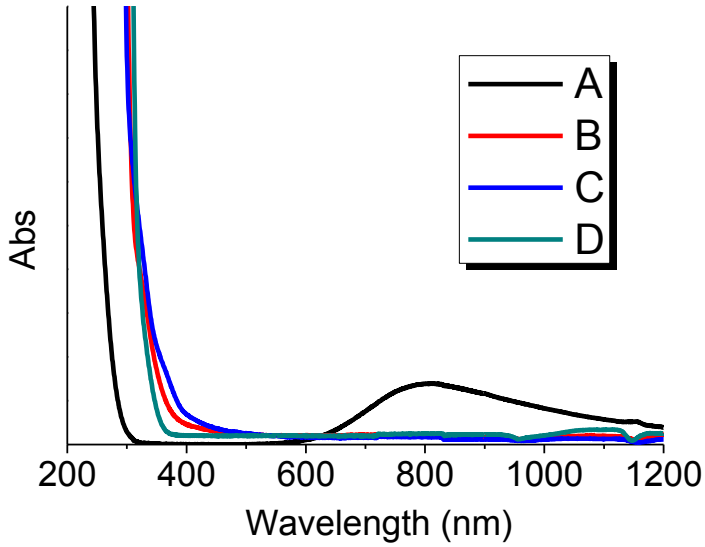


SFigure 3. XRD pattern of Cu_2O nanoaggregates after the reaction. (the pattern denoted that the catalyst transformed into CuO)[1]

References:

1. Zailei Zhang, Hongwei Che, Yingli Wang, Lianying Song, Ziyi Zhong and Fabing Su, Catal. Sci. Technol., 2012, 2, 1953-1960

Leaching experiment of the catalysts in the reaction



SFigure 4. UV-Vis spectra of the reaction solutions.

A. Cu^{2+} only in ethanol as reference
B. Solution of entry 3 after centrifugation in Table 1
C. Solution of entry 4 after centrifugation in Table 1
D. Organic phase extracted by HCl in water from entry 3