

Supplementary Material (ESI) for RSC Advances
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Microwave-Assisted Synthesis of Cu₂O Microcrystals with Systematic Shape Evolution from Octahedral to Cubic and Their Comparative Photocatalytic Activities

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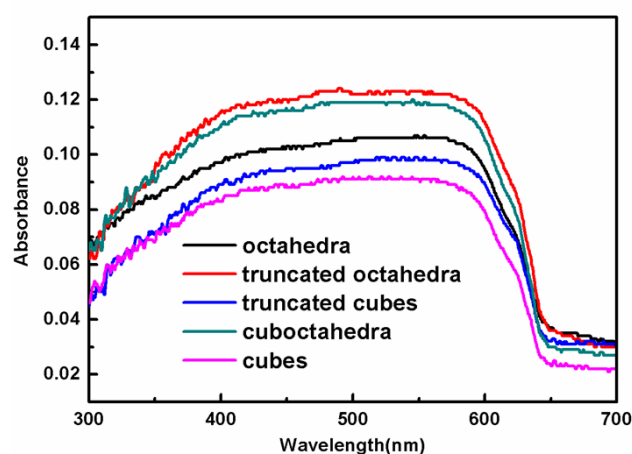
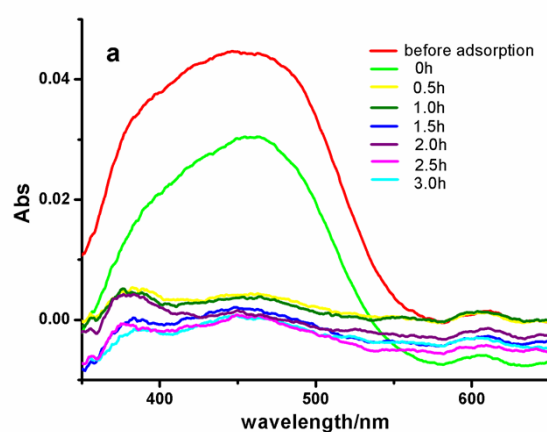
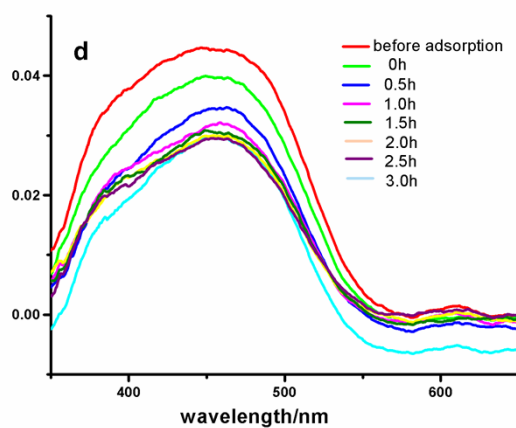
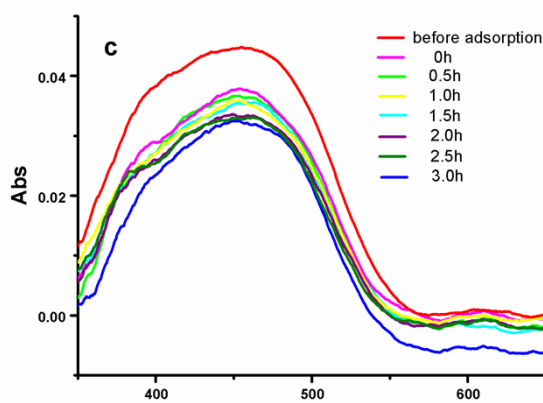
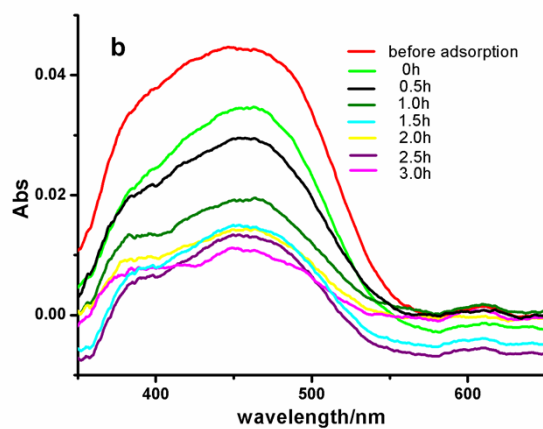


Figure S1. UV-vis absorption spectra of Cu₂O products with different morphologies: octahedra, truncated octahedra, truncated cubes cuboctahedra and cubes.





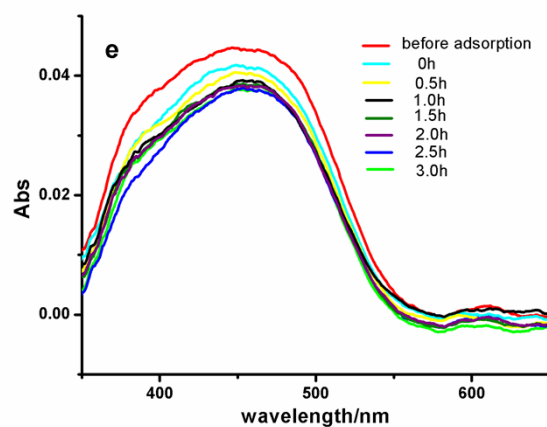


Figure S2. UV-vis absorption spectra of methyl orange as a function of irradiation time using (a) cubes, (b) truncated octahedra, (c) cuboctahedra, (d) truncated cubes and, (e) cubes, respectively.

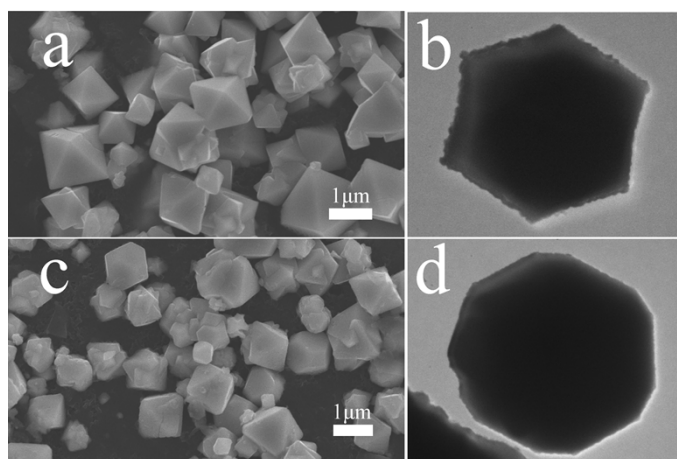


Figure S3. SEM images of the Cu₂O microcrystals with various morphologies after the photocatalytic experiment: (a) octahedra, (c) truncated octahedra. Scale bar = 1 μm. TEM images of the Cu₂O microcrystals with various morphologies after the photocatalytic experiment: (b) octahedra, (d) truncated octahedra.