

Recyclable CuO nanoparticles as heterogeneous catalyst for synthesis of xanthenes under solvent free conditions

Ganga Ram Chaudhary*, Pratibha Bansal, Navneet Kaur, S.K. Mehta

Department of Chemistry & Centre of Advanced Studies in Chemistry, Panjab University,
Chandigarh - 160014, India

Supporting Information

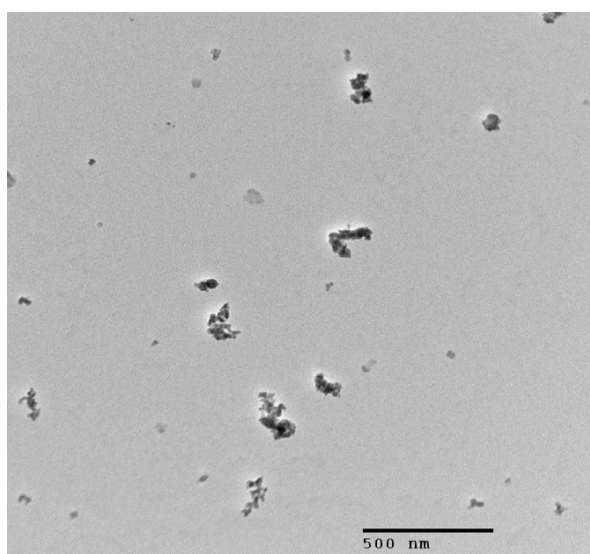


Fig. S1 TEM of fourth time recycled CuO NPs

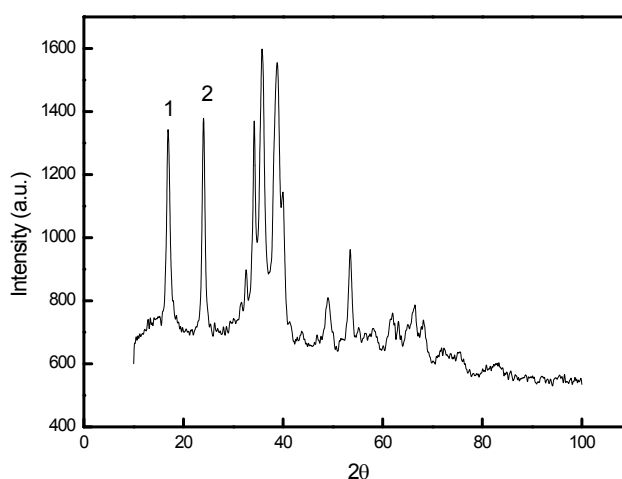


Fig. S2 XRD of sample before 4 minutes of synthesis

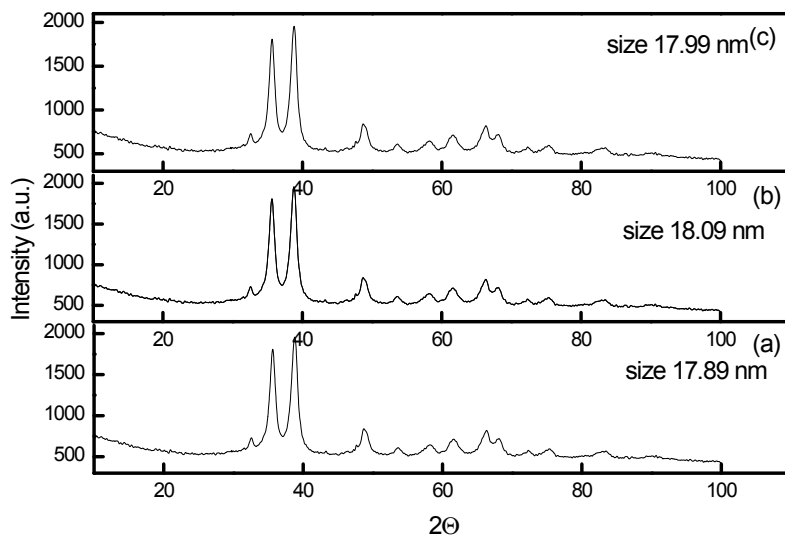


Fig. S3 XRD of CuO NPs (a) first time synthesized (b) second time synthesized after 24 hours (c) third time synthesized after 48 hours

NMR of 5b (14-(4-Methylphenyl)-14H-dibenzo[a, j]xanthenes) product purified by different methods Fig. S4 (a) by recrystallization (b) Flash chromatography

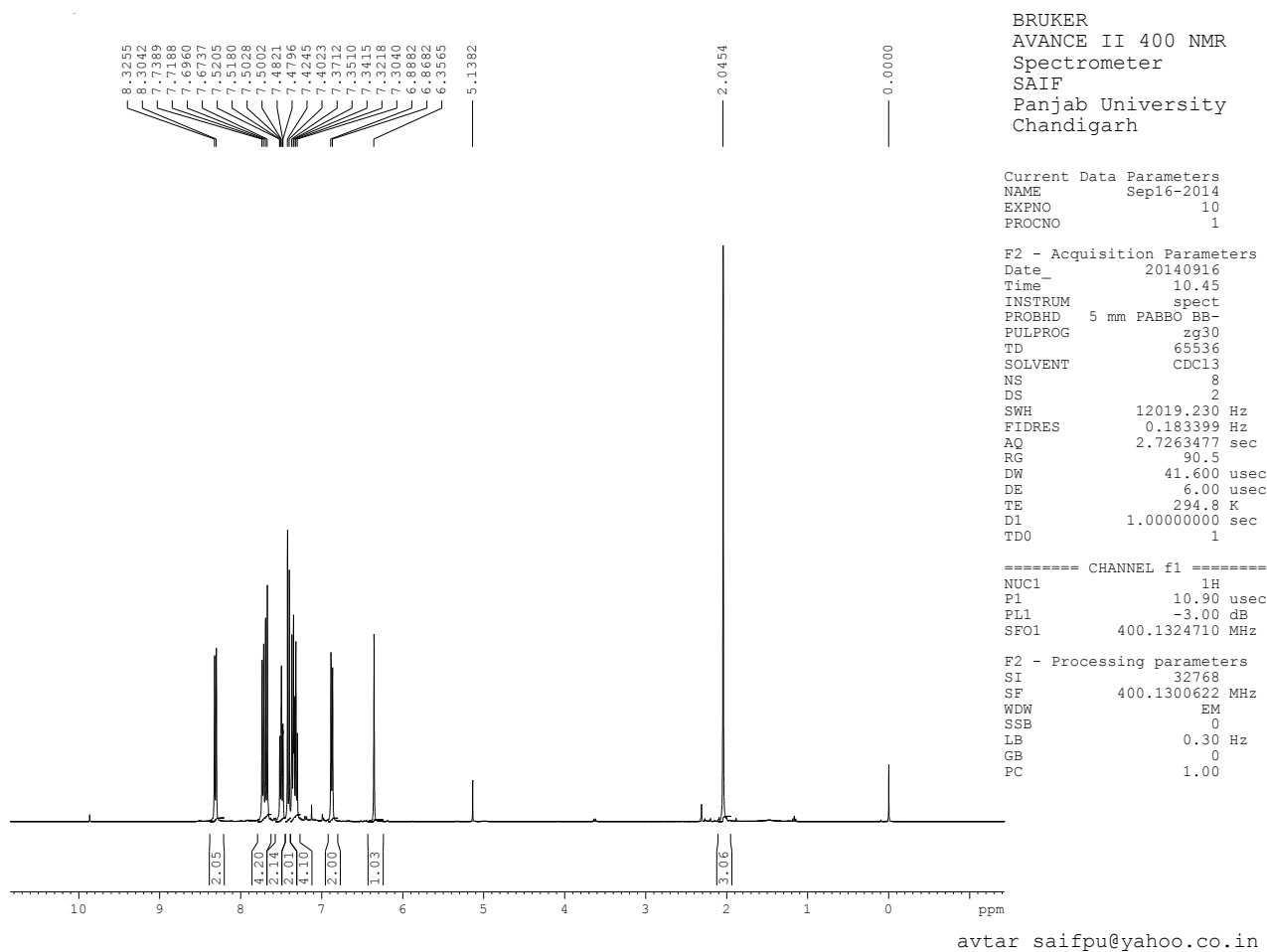


Fig S4 (a) By recrystallization

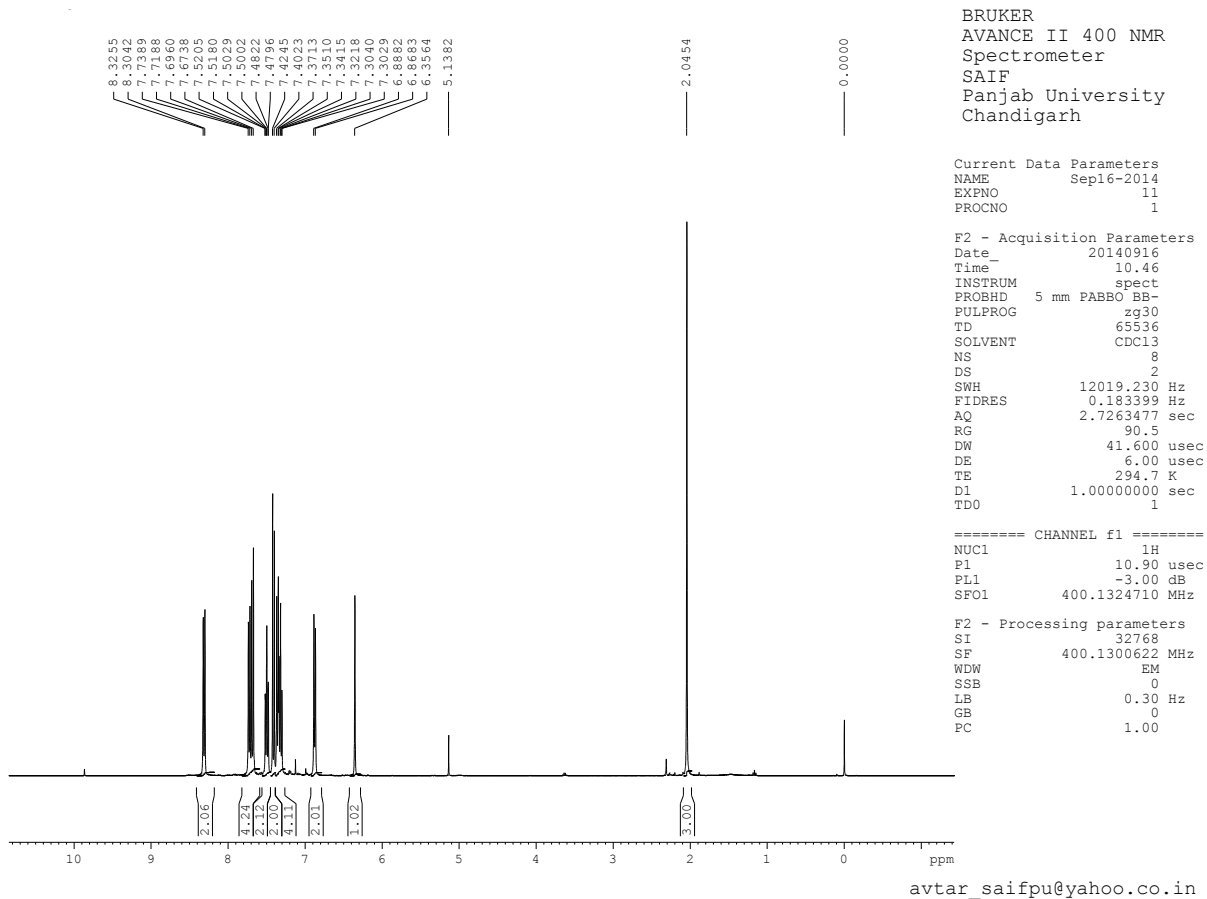


Fig. S4 (b) By Flash Chromatography