

Novel one-pot synthesis and sensitisation of new BiOCl-Bi₂S₃ nanostructures from DES medium displaying high photocatalytic activity

V. C. Ferreira^a, M. C. Neves^b, A. R. Hillman^c and O. C. Monteiro^a

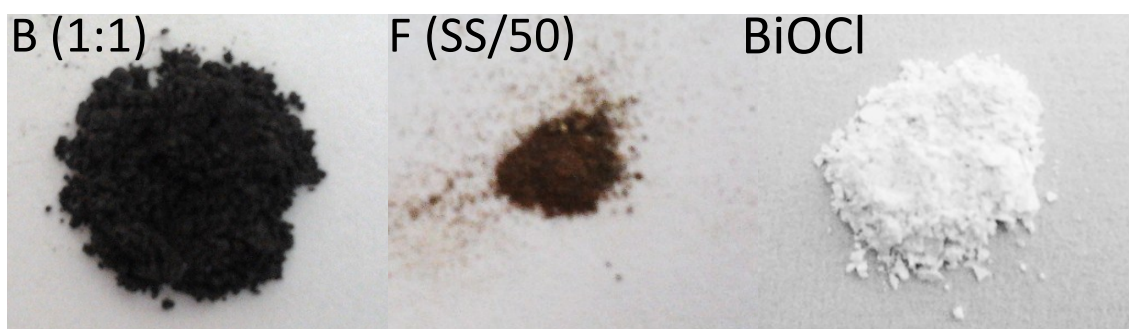


Figure S1. Picture of samples B (1:1), F (SS/50) and pure BiOCl.

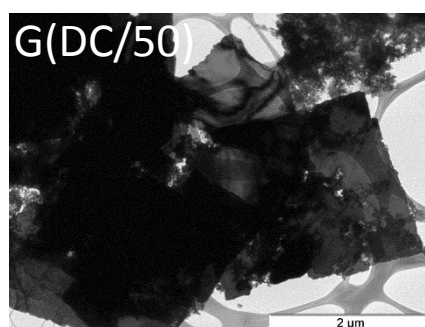


Figure S2. TEM images of sample G (DC/50).

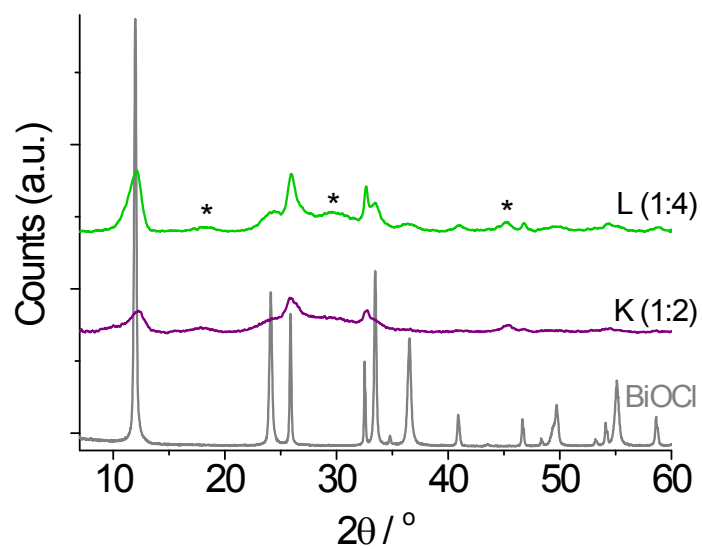


Figure S3. XRD patterns of samples K and L prepared from dry chemicals in the proportion: (1:2) and (1:4), respectively, and comparison with pure BiOCl.

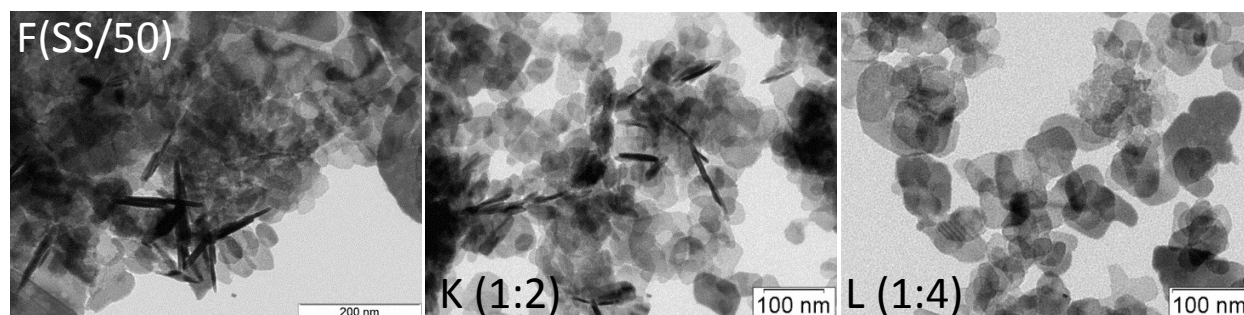


Figure S4 – TEM images of samples F(SS/50), K (1:2) and L (1:4).

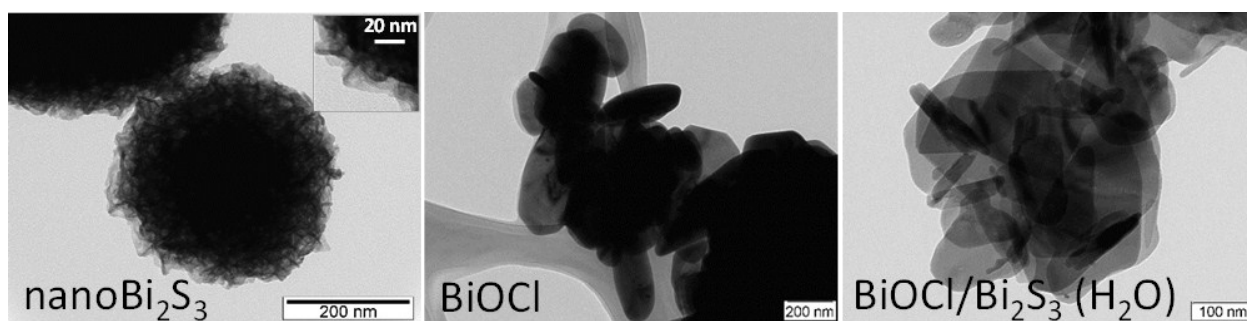


Figure S5 – TEM images of nanoBi₂S₃, pure BiOCl and BiOCl-Bi₂S₃ prepared in H₂O.

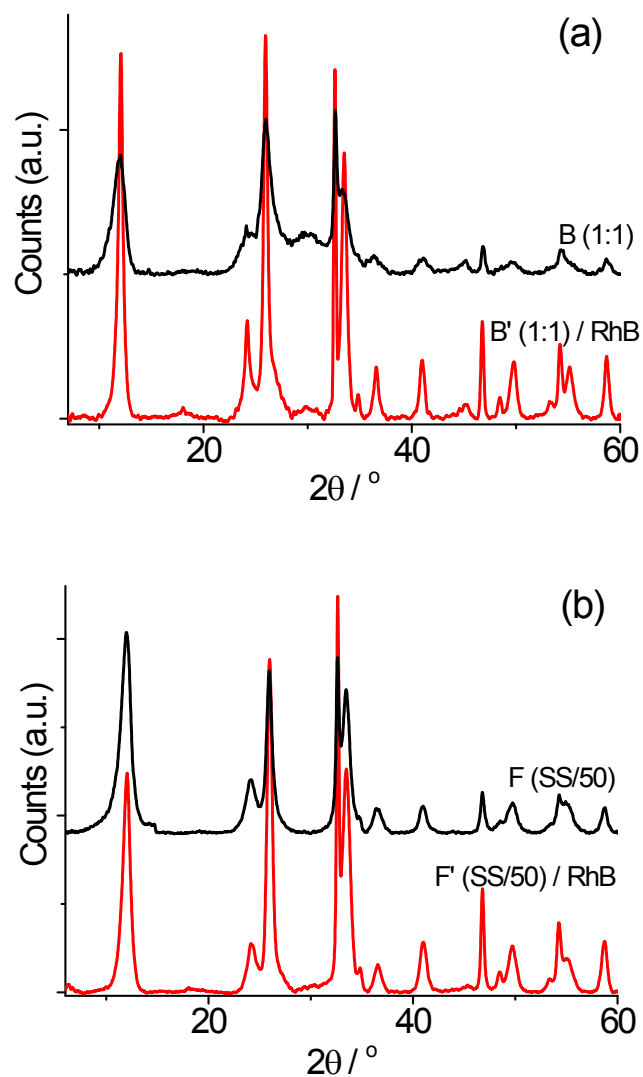


Figure S6. XRD patterns of samples B and F, before (B (1:1) and F (SS/50)) and after (B' (1:1)/RhB and F' (SS/50)/RhB) degradation of RhB under UV-visible light.