
Supporting Information

Table S1: Chemical composition of sample B stored in air for 6 months.

Element	C	Bi
Mass content (%)	2.85	75.63

From value listed in Table S1, the molar ratio of C to Bi in sample B_{stor} is calculated to be 0.66, slightly larger than 0.50 for Bi₂O₂CO₃. Excess C might be originated from the adsorbed CO₂ from air.

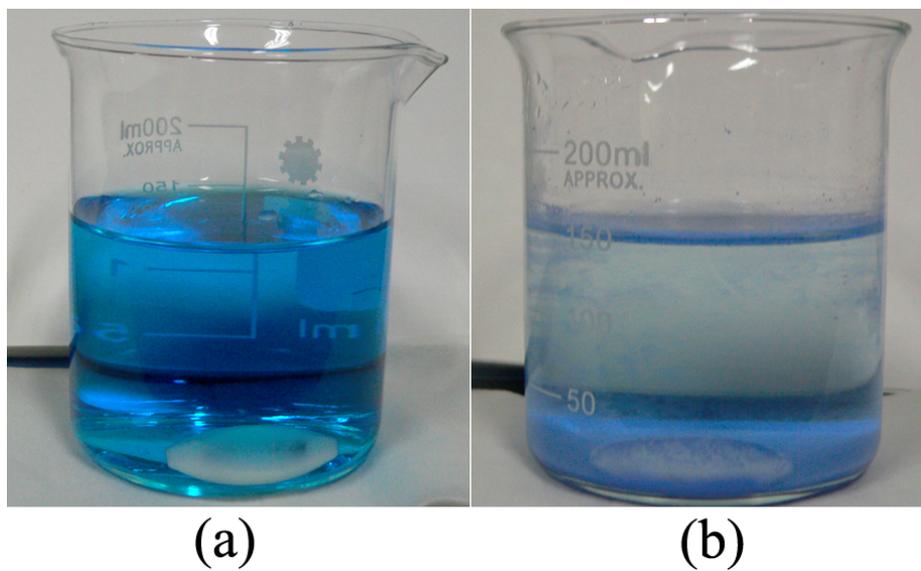


Figure S1: Photos of MB solutions at presence of sample B_{as} with stirring time for (a) 0h and (b) 9h.

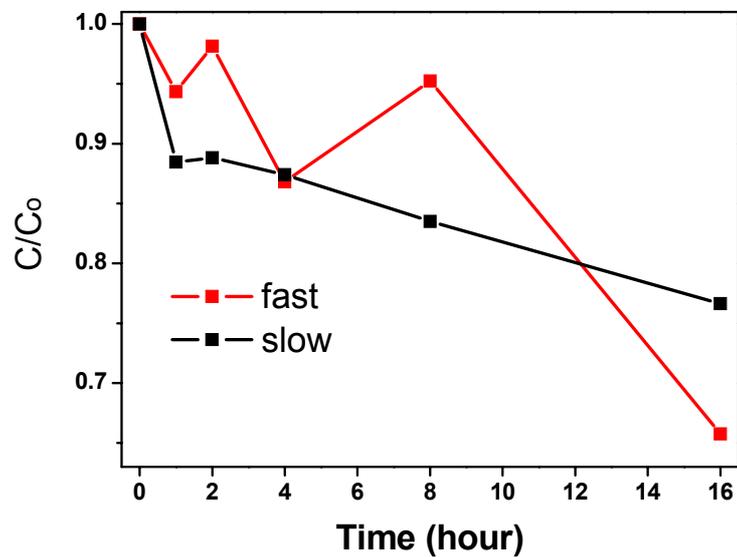


Figure S2: Time-dependent concentration variation of MB solution in the presence of Bi_2O_3 samples at either a fast stirring rate or a slow stirring rate.

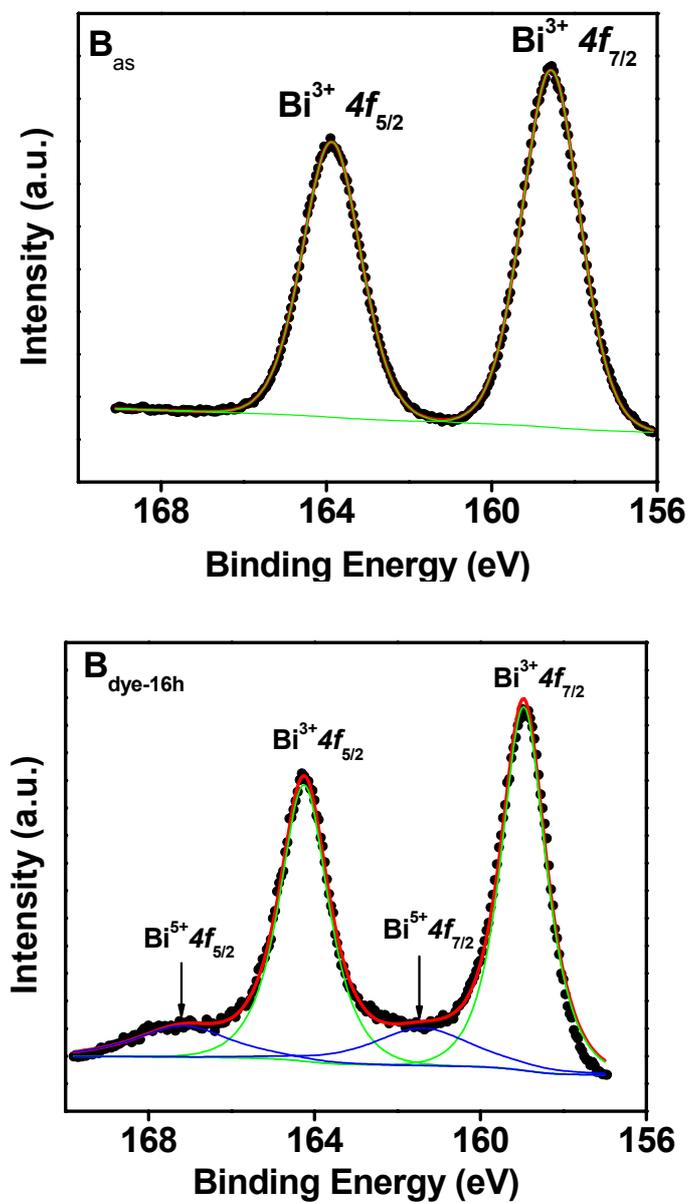


Figure S3: XPS core level of Bi 4f for samples B_{as} and $B_{dye-16h}$.

Supplementary Material (ESI) for New Journal of Chemistry

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