

Supplementary Materials: Visible Light-Induced Metal Free Surface Initiated Atom Transfer Radical Polymerization of Methyl Methacrylate on SBA-15

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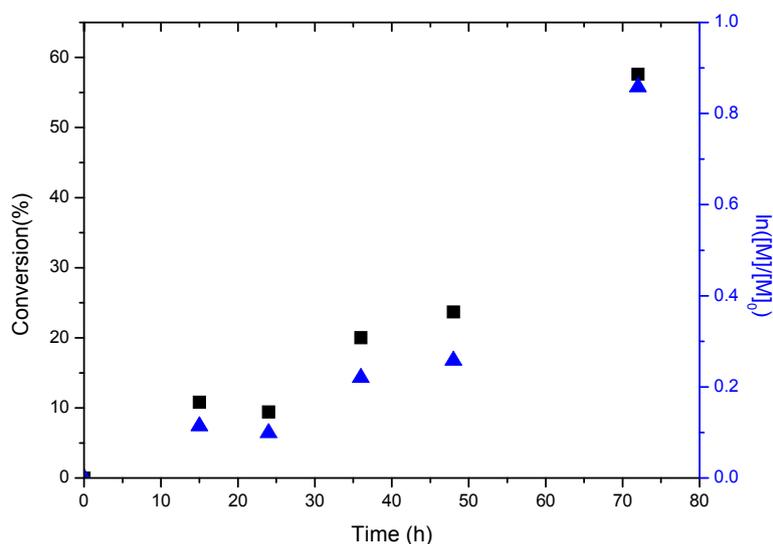


Figure S1. Polymerization kinetics of MMA using SBA-Br as the initiator and EBiB as the co-initiator under the conditions of $[\text{monomer}]_0/[\text{EBiB}]_0/[\text{PTH}]_0 = 100/1/0.2$; SBA-Br = 0.1 g. Polymerized at 30 °C.

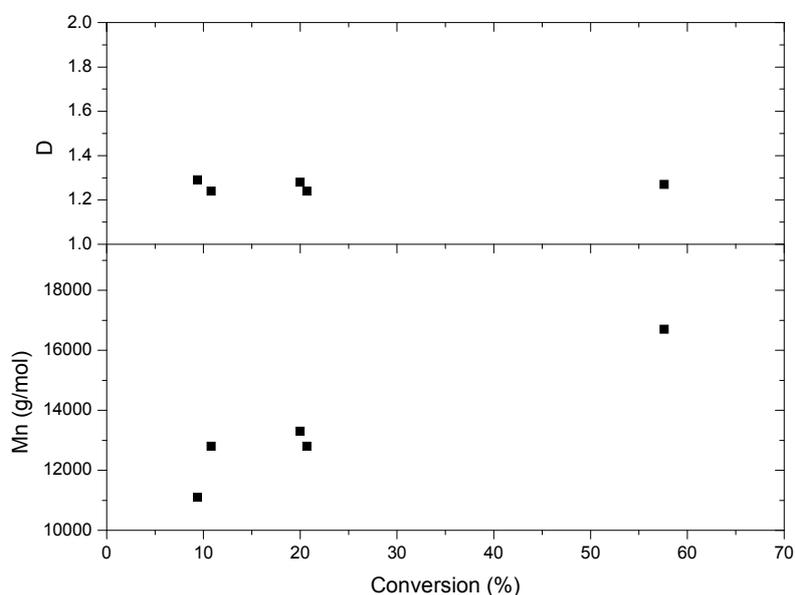


Figure S2. Evolution of molecular weight and molecular weight distribution of PMMA with conversion using SBA-Br as the initiator and EBiB as the co-initiator under the conditions of $[\text{monomer}]_0/[\text{EBiB}]_0/[\text{PTH}]_0 = 100/1/0.2$; SBA-Br = 0.1 g. Polymerized at 30 °C.

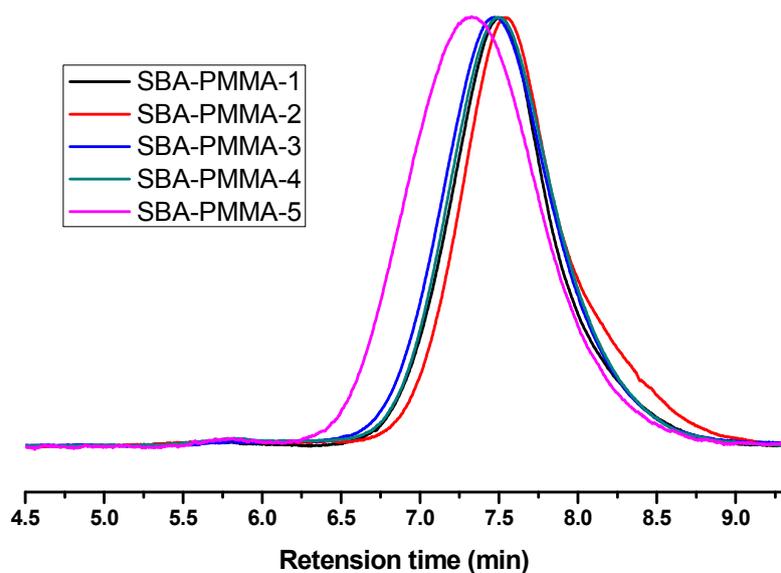


Figure S3. GPC traces of PMMA obtained in the polymerization using SBA-Br as the initiator and EBiB as the co-initiator under the conditions of $[\text{monomer}]_0/[\text{EBiB}]_0/[\text{PTH}]_0 = 100/1/0.2$; SBA-Br = 0.1 g. Polymerized at 30 °C.

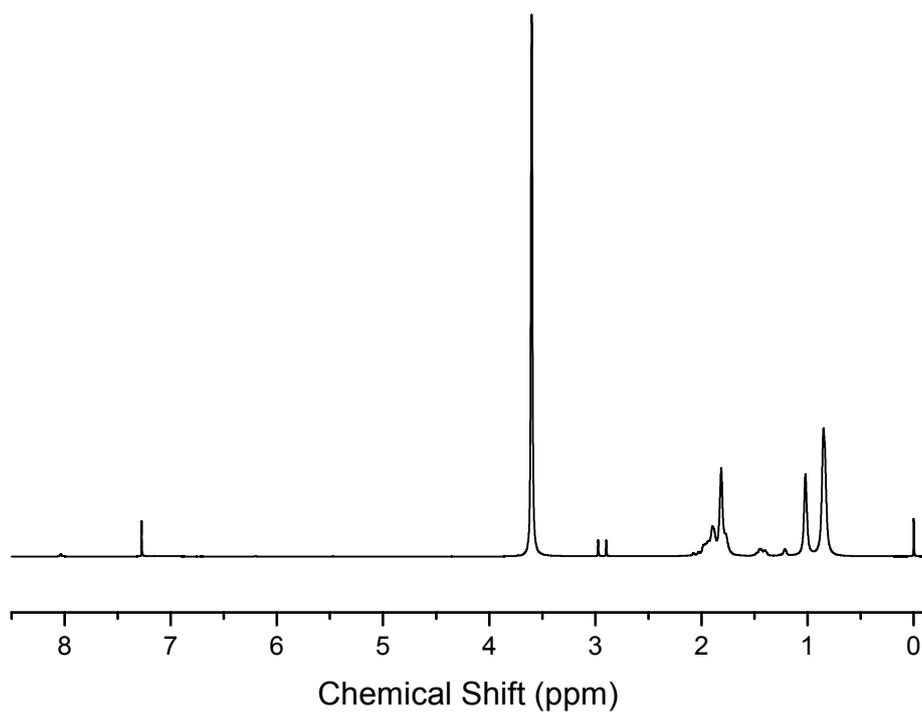


Figure S4. ¹H-NMR spectrum of SBA-PMMA-5 obtained by using SBA-Br as the initiator and EBiB as the co-initiator under the conditions of $[\text{monomer}]_0/[\text{EBiB}]_0/[\text{PTH}]_0 = 100/1/0.2$; SBA-Br = 0.1 g. Polymerized at 30 °C.