Electronic Supplementary Material (ESI) for Polymer Chemistry

Supporting Information

Photochemical In Situ Elaboration of Polyoxometalate (α-$[SiMo_{12}O_{40}]^{4-}$)/Polymer Hybrid Materials.

Pu Xiao,[a] Corine Simonnet-Jégat,[b] Frédéric Dumur,[c] Mohamad-Ali Tehfe,[a] Gautier Schrodj,[a] Jean Pierre Fouassier,[d] Didier Gigmes,*[,c] and Jacques Lalevée*[,a]

[a]Institut de Science des Matériaux de Mulhouse IS2M, UMR CNRS 7361, ENSCMu-UHA, 15, rue Jean Starcky, 68057 Mulhouse Cedex, France.

[b]Institut Lavoisier de Versailles, UMR CNRS 8180, Université de Versailles-St-Quentin, 45, avenue des Etats-Unis, 78035 Versailles, France.

[c]Aix-Marseille Université, CNRS, Institut de Chimie Radicalaire ICR – UMR 7273, F-13397 Marseille, France.

[d]Formerly, ENSCMu-UHA, 3 rue Alfred Werner, 68093 Mulhouse Cedex, France.

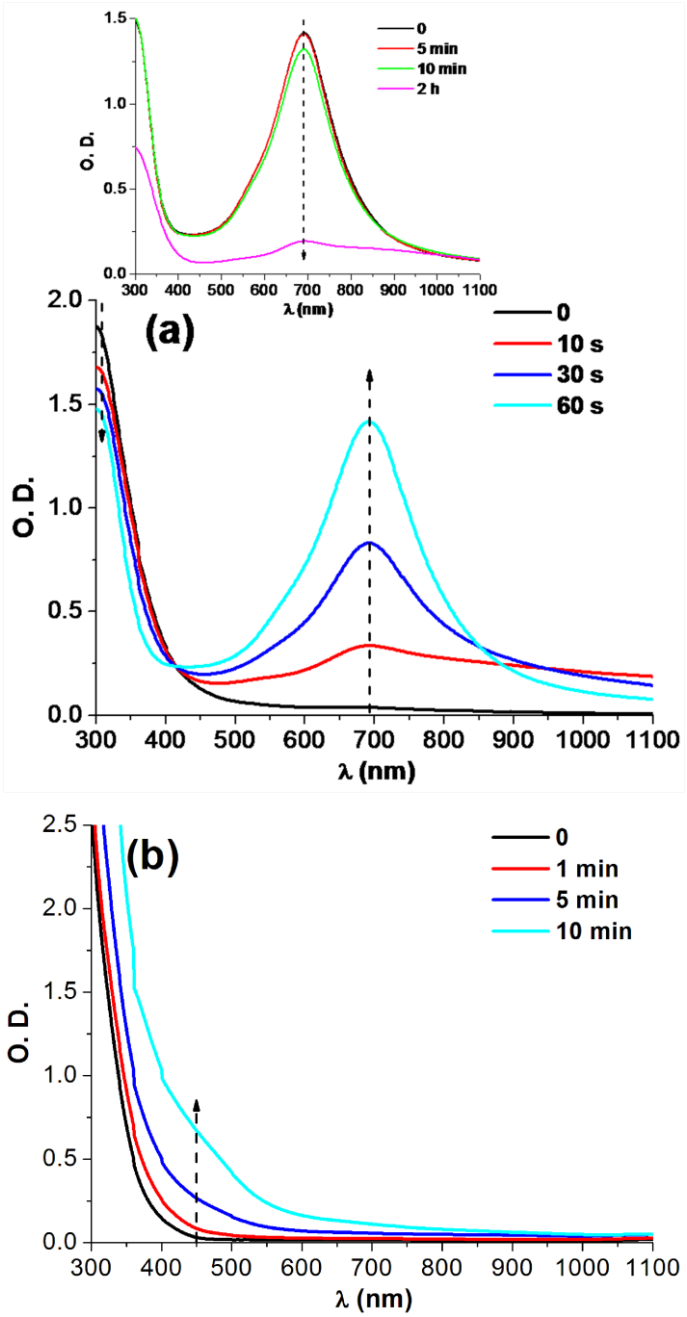

Figure S1. Steady state photolysis of (a) HSiMo12 alone in nitrogen-saturated toluene and (b) HSiMo12/Iod in acetonitrile under air upon the Xe-Hg lamp exposure. Insert: HSiMo12 alone in nitrogen-saturated toluene upon Xe-Hg lamp exposure for 60 s and then exposed to air for different time.

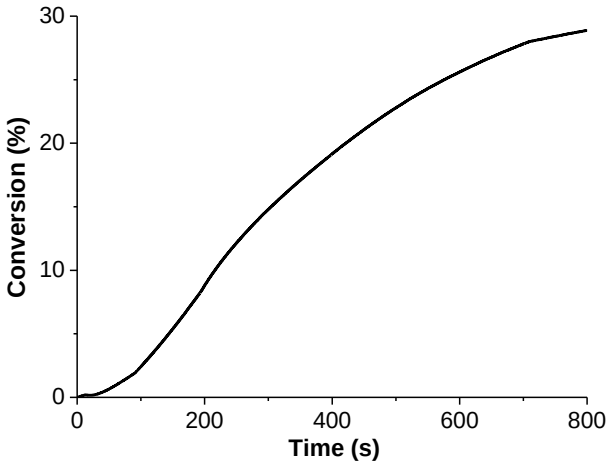

Figure S2. Photopolymerization profile of TMPTA in laminate upon the Xe-Hg lamp exposure in the presence of HSiMo12/Iod (1%/1%, w/w).