Aqueous synthesis and photochromic study of Mo/W oxide hollow

microspheres

Yuehong Song, Jingzhe Zhao*, Yan Zhao, Zhifang Huang



Fig. S1. The energy dispersive X-ray (EDX) spectrum of sample S1.



Fig. S2. SEM images (a) and XRD pattern (b) of the sample obtained with reaction time of 6 h on the basis of sample S1.



Fig. S3. SEM images of the samples with different surfactants: (a) 3 wt.% of SDS, (b) 3 wt.% of CTAB, (c) 3 wt.% of PVP K13, (d) 3 wt.% of PVP K30.



Fig. S4. (a) UV-vis DRS spectra of Mo/W oxide samples with different weight percent of PEG 20K, (b) optical photographs of the corresponding Mo/W oxide samples before and after coloration under visible-light irradiation.