

Supporting Information

Controllable Assembly of Well-defined Monodisperse Au Nanoparticles on Hierarchical ZnO Microspheres for Enhanced Visible-Light-Driven Photocatalytic and Antibacterial Activity

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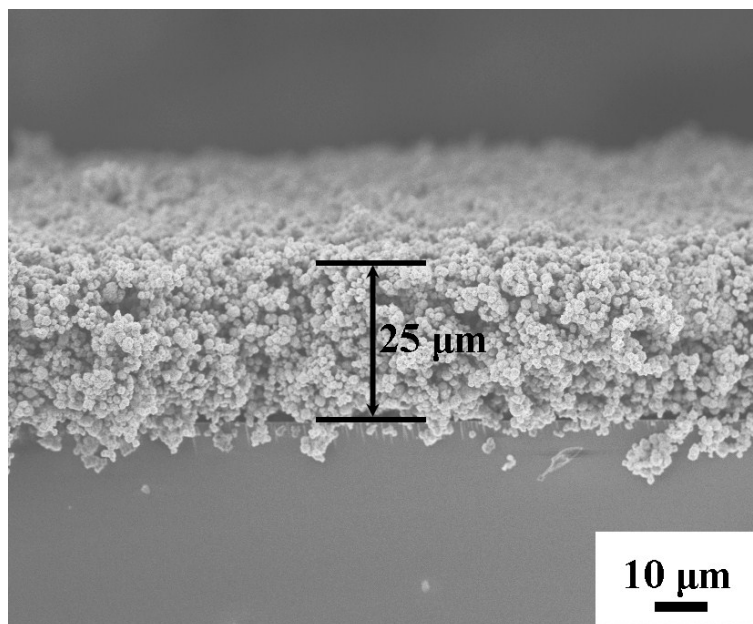


Fig. S1. Cross sectional SEM image of as-prepared ZMS/AuNPs film.

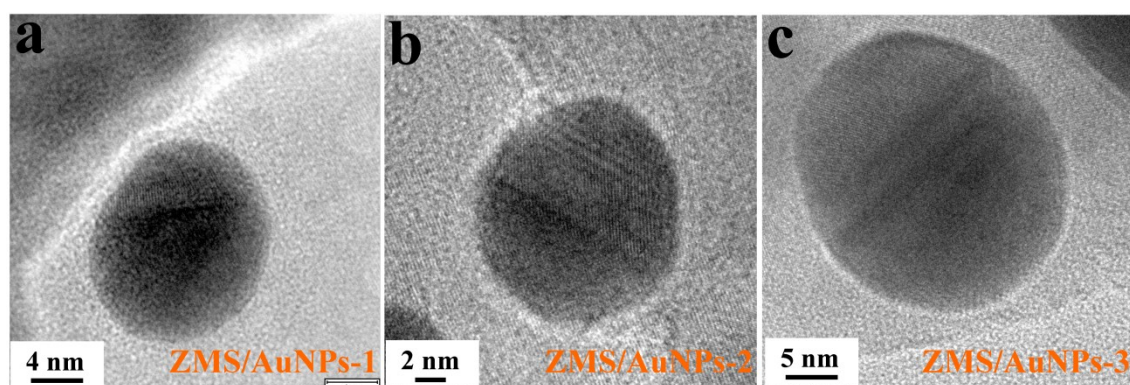


Fig. S2. HRTEM images of (a) ZMS/AuNPs-1, (b) ZMS/AuNPs-2 and (c) ZMS/AuNPs-3.

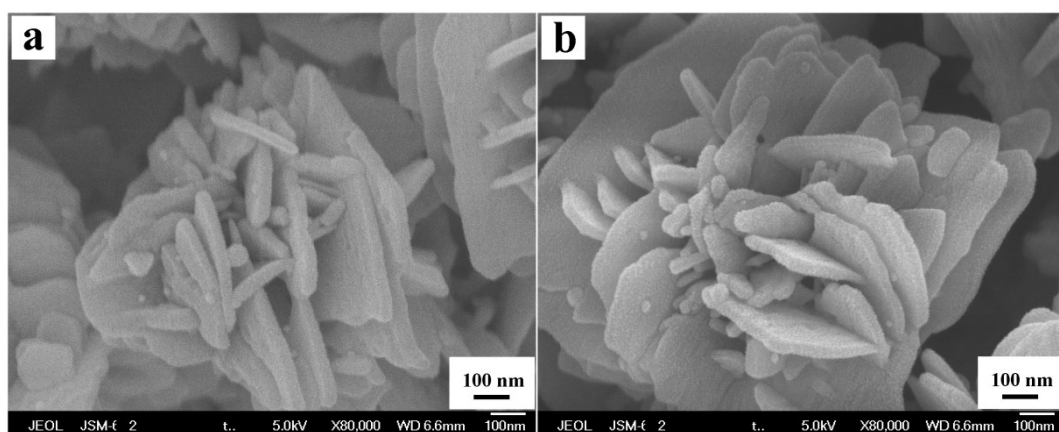


Fig. S3. SEM images of ZMS/AuNPs hybrid structure obtained by LBL self-assembly process without the PEI treatment

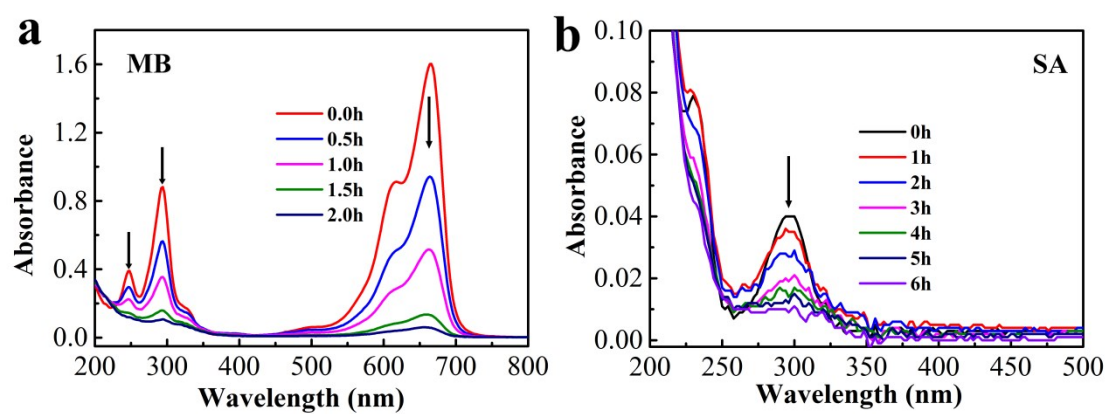


Fig. S4. UV-Vis absorption spectra of (a) MB and (b) SA solutions with ZMS/AuNPs-3 as a function of irradiation time.