Electronic Supplementary Information

Silica-polydopamine Hybrids as Light-induced Oxidase

Mimic for Colorimetric Detection of Pyrophosphate

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Fig. S1. The XPS peak-differentation-imitating of SPDA



Fig. S2. The influence of the reaction pH on the light-induced oxidase mimic property of SPDA.



Fig. S3. The effect of NaN3 on the TMB coloration process in the presence of ligh-irradiated SPDA. .



Fig. S4. Linear relationship between PPi concentration and (A-A₀) value.



Fig. S5. The effects of 1.0×10^{-4} mol/L cations (a) and 1.0×10^{-5} mol/L anions, 1.0×10^{-4} mol/L of histidine, L-cysteine and 0.01 mg/L of human serum albumin (b) on the TMB coloration process in the presence of light-irradiated SPDA.