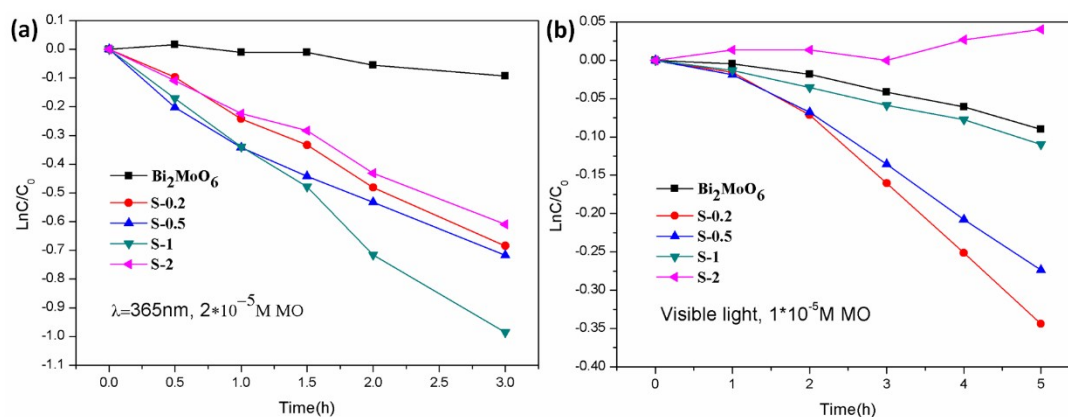
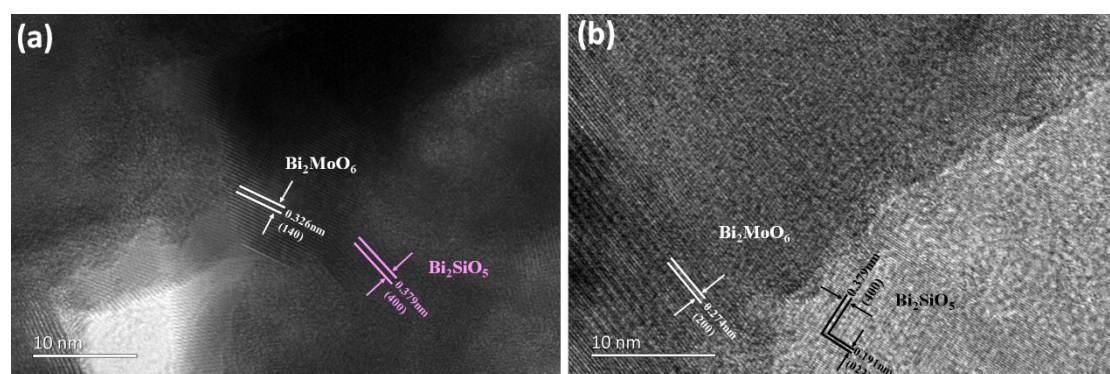
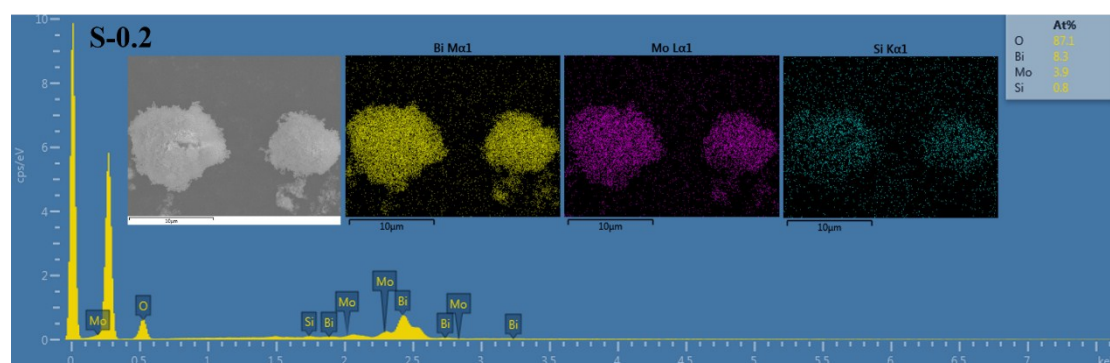


Anion exchange strategy for construction of a novel $\text{Bi}_2\text{SiO}_5/\text{Bi}_2\text{MoO}_6$ heterostructure with enhanced photocatalytic performance

Di Liu,^a Jun Wang,^b Yonggang Wang^{*a} and Yongfa Zhu^{*b}



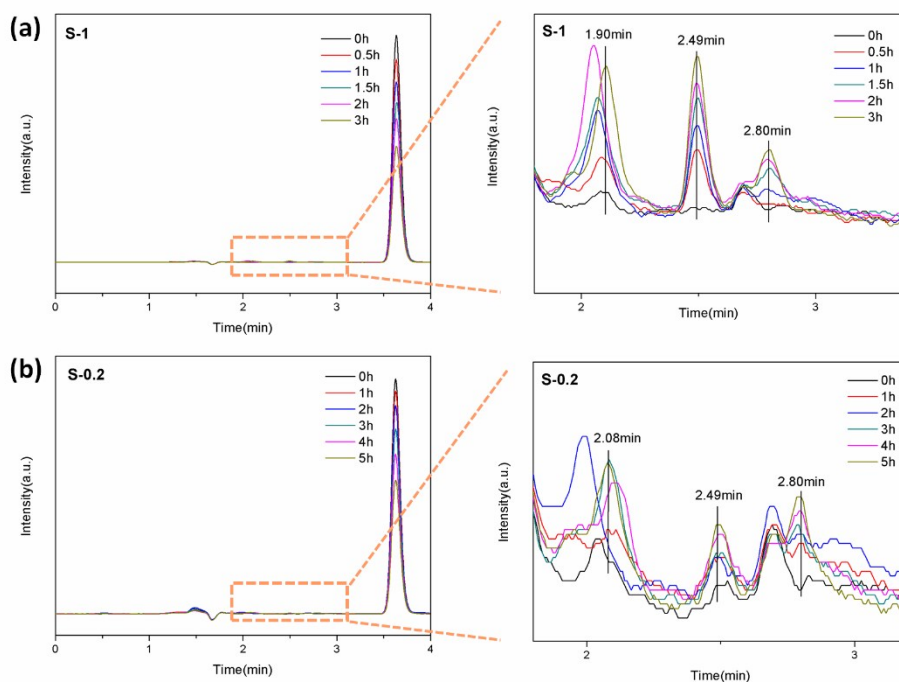


Fig. S4 HPLC chromatograms monitoring the photo-degradation process of phenol at interval times by S-1 (a) under UV light irradiation and S-0.2 (b) under visible light irradiation.

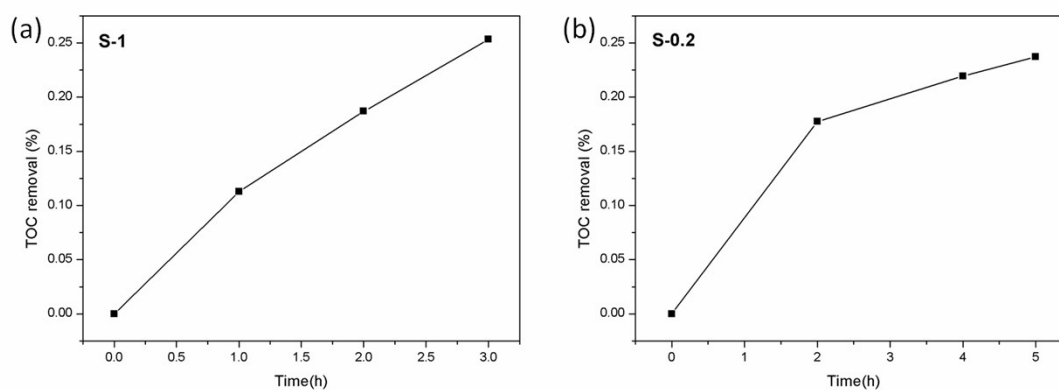


Fig. S5 TOC removal rate over phenol by S-1 (a) under UV light irradiation and S-0.2 (b) under visible light irradiation.

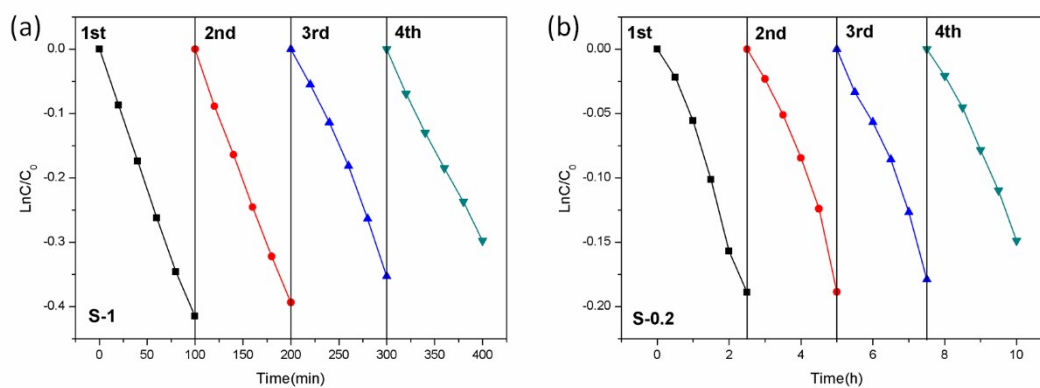


Fig. S6 Cycling runs in the photocatalytic degradation of phenol in the presence of S-1 (a) under UV light irradiation and S-0.2 (b) under visible light irradiation.

UV light irradiation and S-0.2 (b) under visible light irradiation.

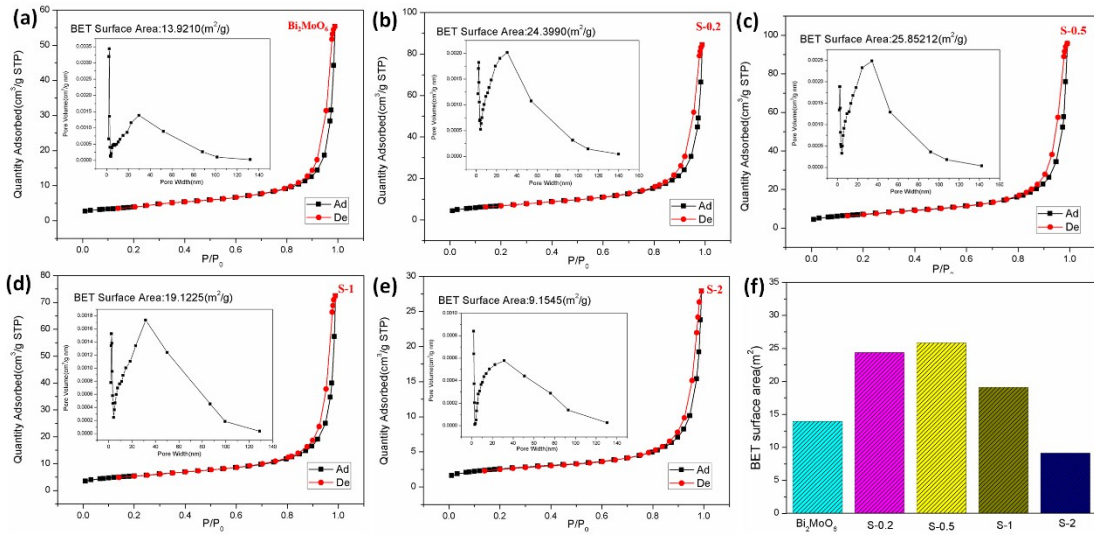


Fig. S7 N_2 adsorption-desorption isotherms, pore size distribution and BET specific surface areas of the as-prepared samples.

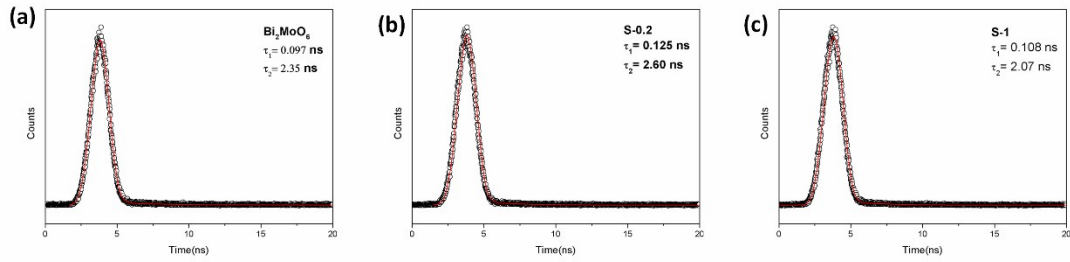


Fig. S8 Time-resolved PL decay curves and lifetimes of sample Bi_2MoO_6 (a), S-0.2 (b) and S-1 (c) monitored at 397 nm with an excitation wavelength of 335 nm under room-temperature.

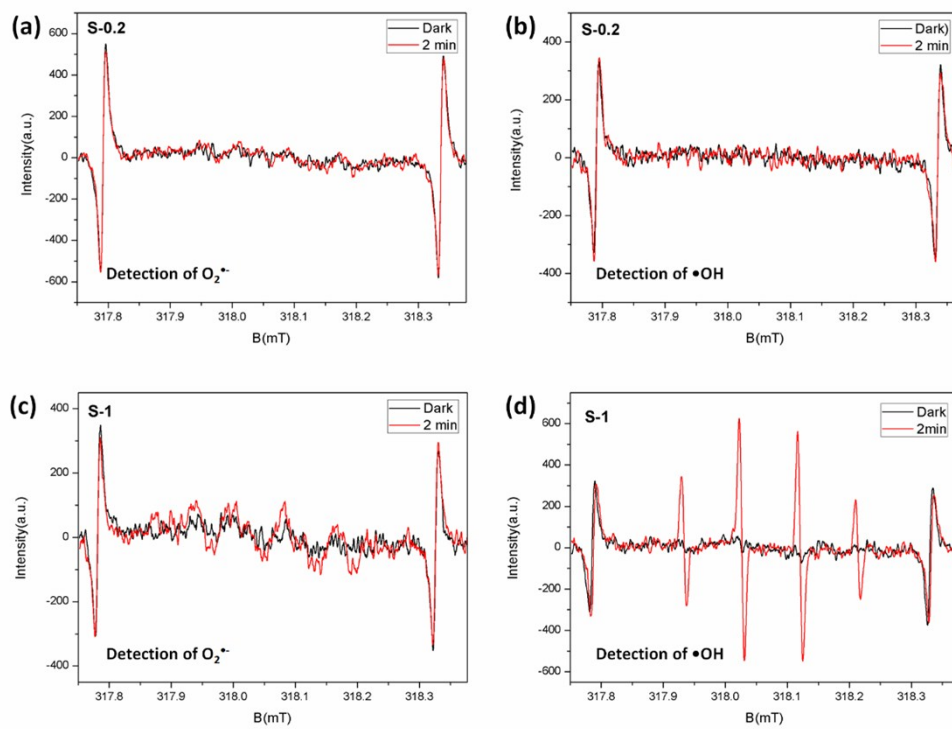


Fig. S9 ESR spectra upon visible light irradiation of S-0.2 suspension and UV light irradiation of S-1 suspension for detection of $\bullet OH$ and $O_2^{\bullet-}$.