

synthetic method:

A mixture of $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$ (29 g) and $\text{Na}_2\text{SiO}_3 \cdot 9\text{H}_2\text{O}$ (2.8g) in 100 ml H_2O was heated at 80°C under stirring. After the color of the reaction solution turned clear, imidazole (3.4 g) was added to give a yellow-green reaction mixture.

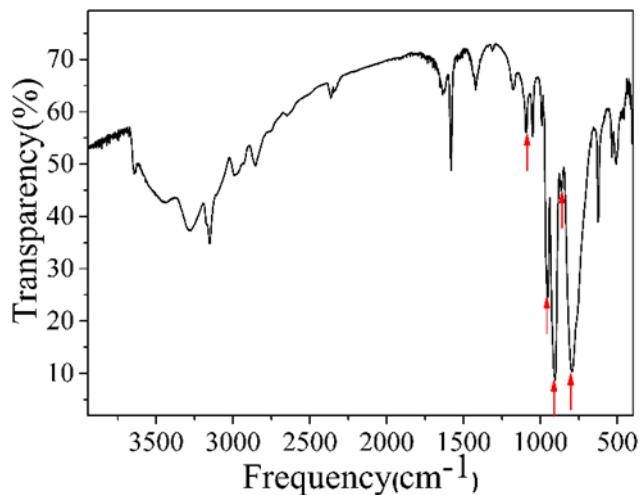
IR

Fig. 1 Infrared spectra of Compound 1

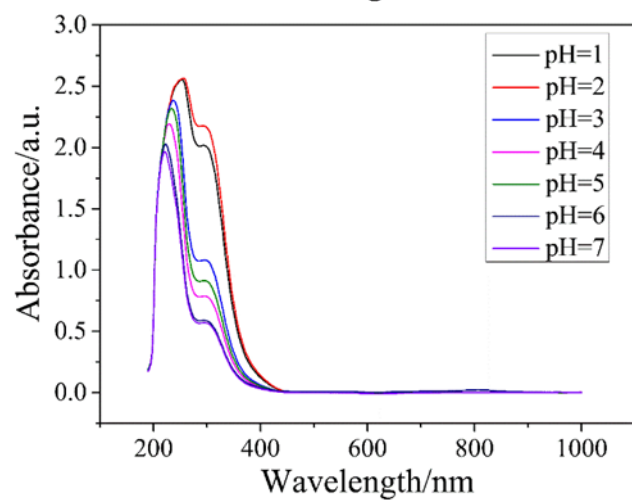
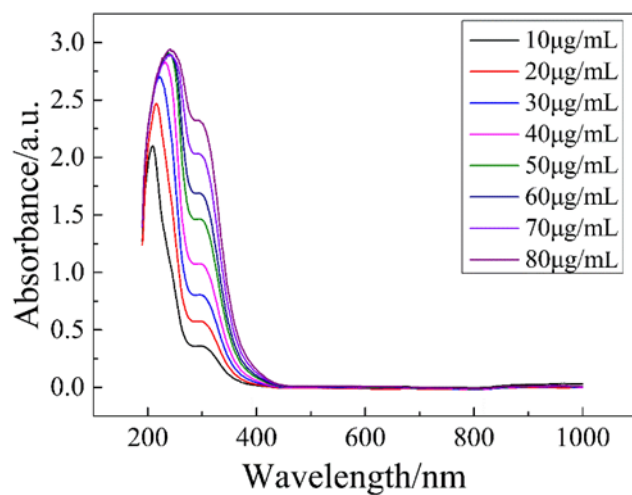
UV

Fig. 2 UV-vis spectra of the Compound 1

XRD

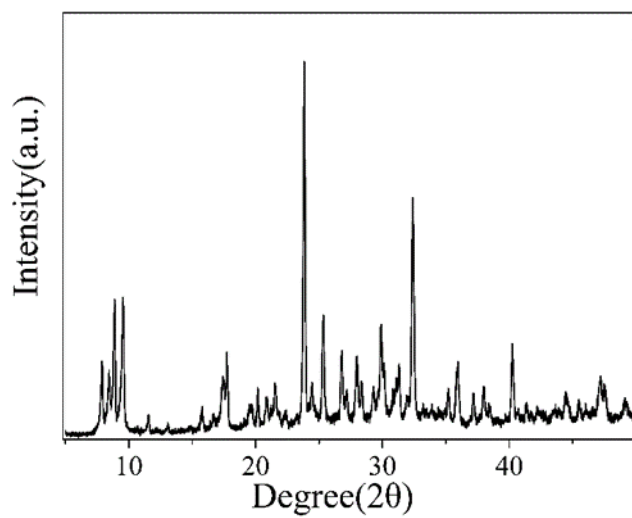


Fig. 3 X-ray diffractometer pattern of Compound 1

XPS

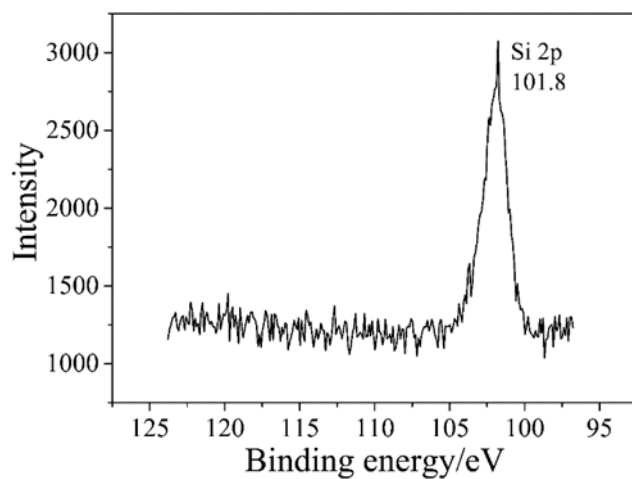
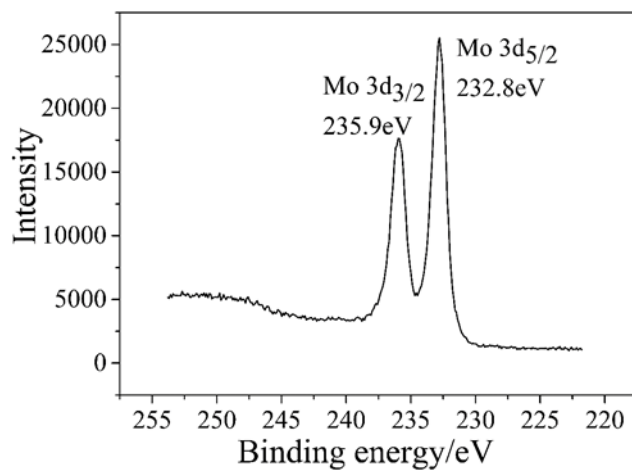


Fig. 4 X-ray photoelectron spectra in the Si, Mo spectrums for Compound 1