## **Supporting Information**

## TransparentandFlexiblePhosphomolybdate-AgaroseComposite Thin Films with Visible-Light Photochromism

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**Fig. S1.** The plot of reversibility of the PMo<sub>12</sub>-agarose nanocomposite film in the coloration-decoloration process at 760 nm.



**Fig. S2.** (A) Photographic plate of a girl and (B) Complex light image formed on the PMo<sub>12</sub>-agarose nanocomposite film by visible light irradiation through A as a contact mask.