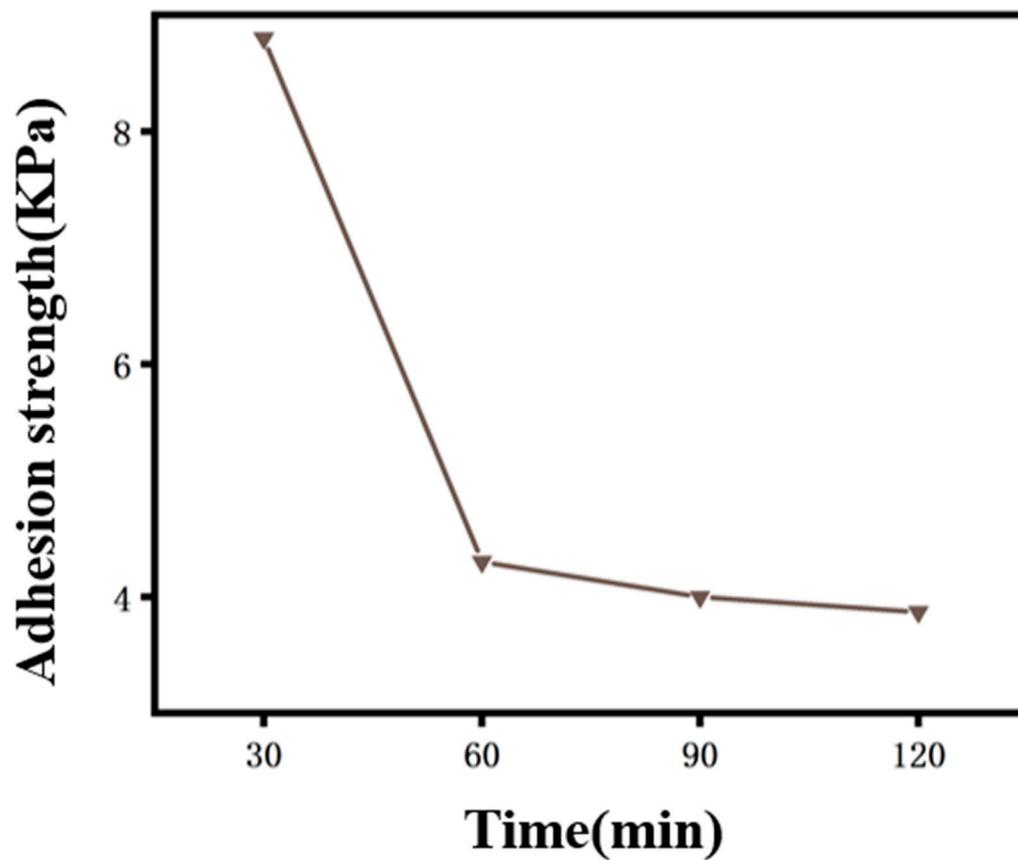


## Supplementary Materials



**Figure S1.** Time-adhesion strength curves of Ag@M-H-PVA hydrogels (Ag@M3wt%, HACC9wt%) under wet conditions.