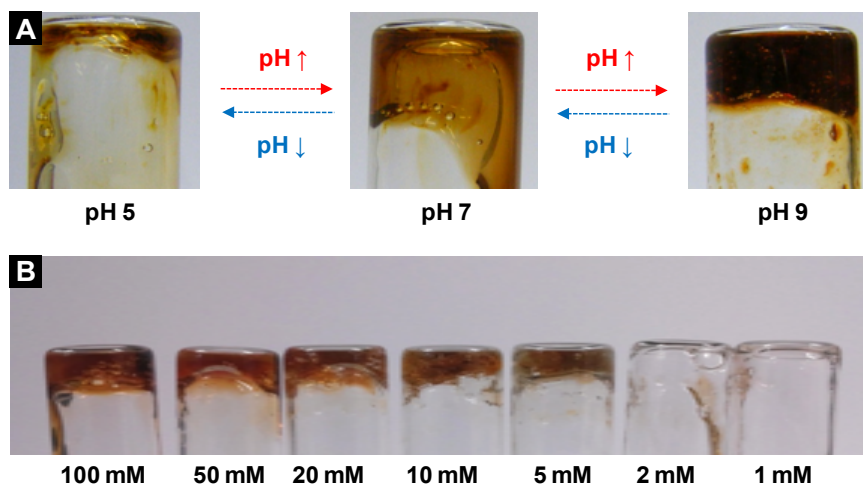


Supplementary Figure 1. Macroscopic images of DOPA-gelatin (A, B) and DOPA-Fe³⁺ gelatin hydrogels (C, D, E). The addition of 10 mM FeCl₃ solution induced a rapid hydrogel formation of DOPA-gelatin within seconds (C, D). (E) A DOPA-Fe³⁺ gelatin hydrogel formed after gentle agitation for 1 h.



Supplementary Figure 2. Macroscopic appearance of DOPA-Fe³⁺ gelatin hydrogels formed at different pHs (A) and different Fe³⁺:DOPA molar ratios (B). Vials containing samples were turned upside down for 30 min. Mechanical strengths of hydrogels were enhanced when pH increased (A) and DOPA:Fe³⁺ ion ratio increased (B). When 10 mM of Fe³⁺ ion was applied, the DOPA-Fe³⁺ gelatin hydrogel had a rigid gel state (B).