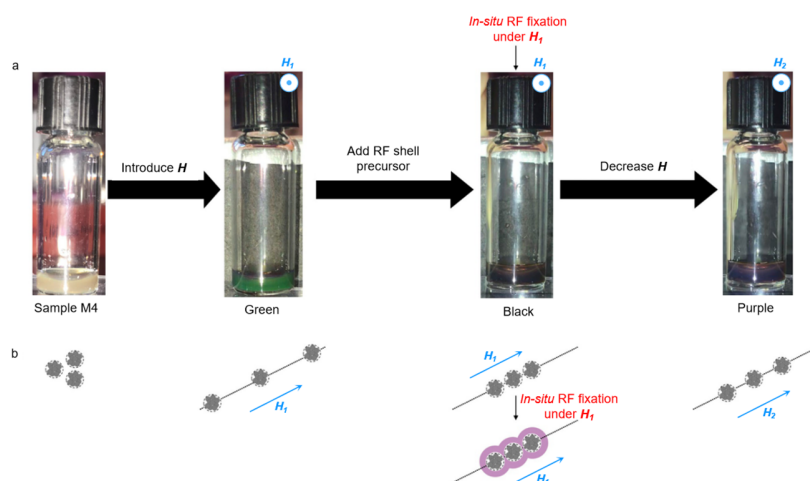
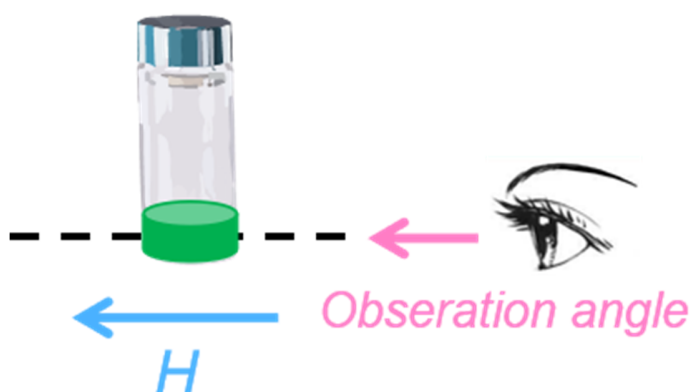


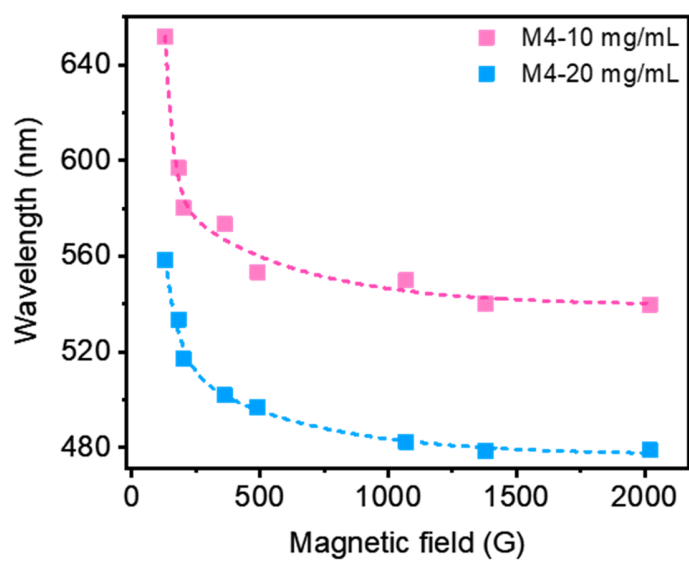
## Supplementary Materials



**Figure S1.** (a) The photographs of sample M4 during RF fixation; (b) the possibly corresponding assembly behaviors.



**Figure S2.** The observation angle and magnetic field direction in Figure 4a.



**Figure S3.** The reflection peak wavelength and structural color comparison of sample M4 with concentrations of 10 mg/mL and 20 mg/mL upon exposure to magnetic fields.