

Supplementary Information

Hybrid Self-Assembled Materials Constituted by Ferromagnetic Nanoparticles and Tannic Acid: a Theoretical and Experimental Investigation

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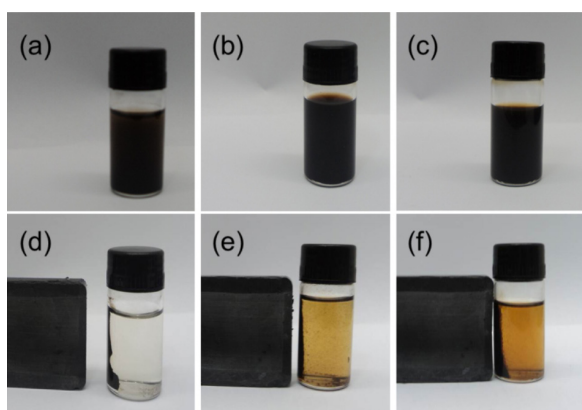


Figure S1. Behavior of a colloidal dispersion in ethanol before (a, b, c) and after (d, e, f) the application of a magnetic field. (a, d) Fe_3O_4 , (b, e) TA- Fe_3O_4 and (c, f) Fe_3O_4 -TA.

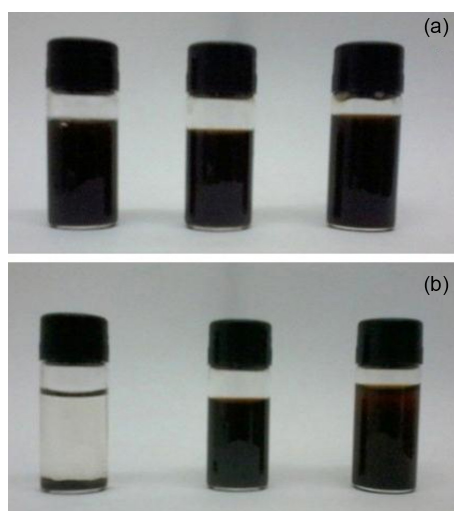


Figure S2. Stability of colloidal dispersion in water. From left to right: suspensions of Fe_3O_4 , TA- Fe_3O_4 , and Fe_3O_4 -TA (a) before and (b) after 15 minutes in rest.

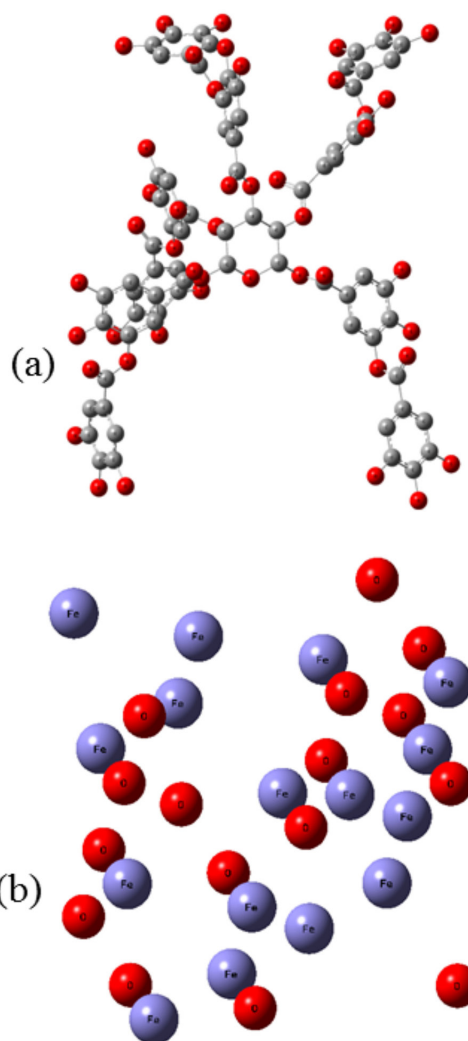


Figure S3. Optimized structures of isolated (a) tannic acid and (b) Fe_3O_4 unit cell.

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