

Supporting Information

Facile Fabrication of Composite Ag/Fe₃O₄ and Porous Fe₃O₄ Nanorods Based on Oblique Angle Co-Deposition

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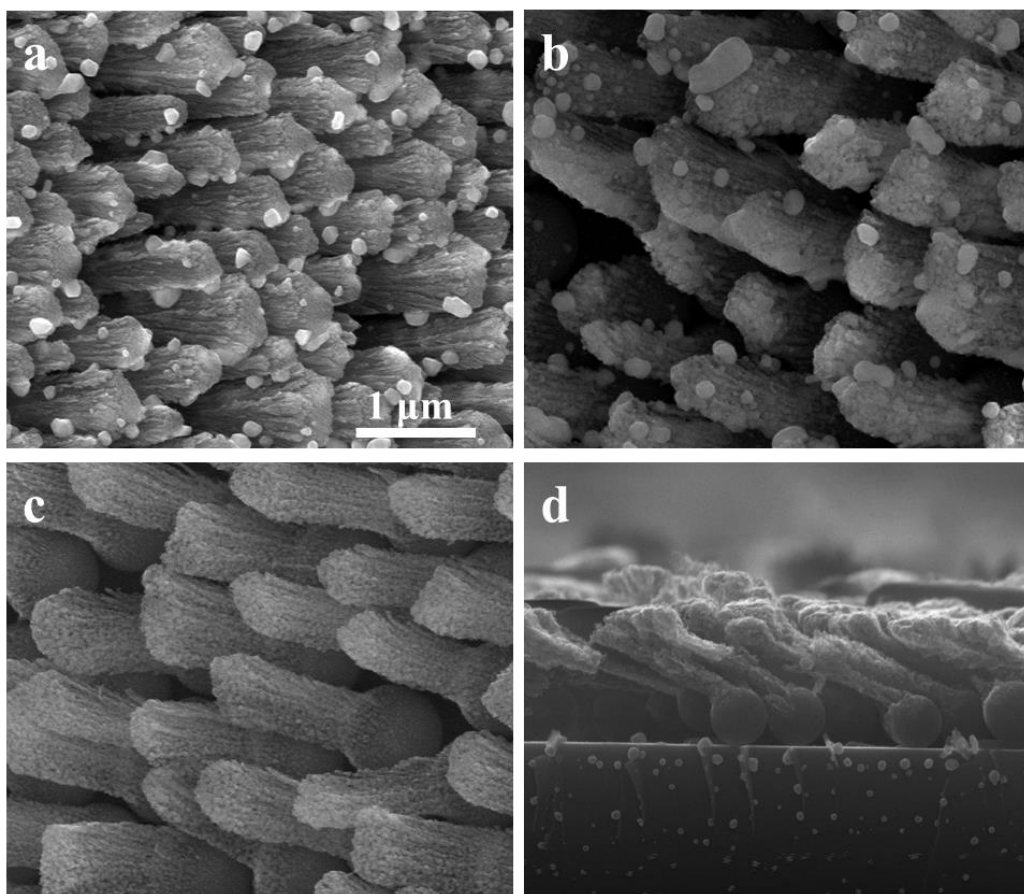


Figure S1. SEM images of the (a) as-deposited, (b) composite Ag/Fe₃O₄, and (c) porous Fe₃O₄ nanorods. The diameter of the SiO₂ nanospheres used for the deposition was 800 nm. (d) Lateral SEM image of the porous Fe₃O₄ nanorods. The ratio of deposition rate of Ag and Fe₃O₄ was 1:1. The scale bar was 1 μm and applied to all the images.

When the SiO₂ nanospheres with the diameter of 800 nm were used (**Figure S1a-c**), L was still ~ 1.4 μm, while D became ~ 600 nm. D can be varied by using SiO₂ nanospheres with different diameter.

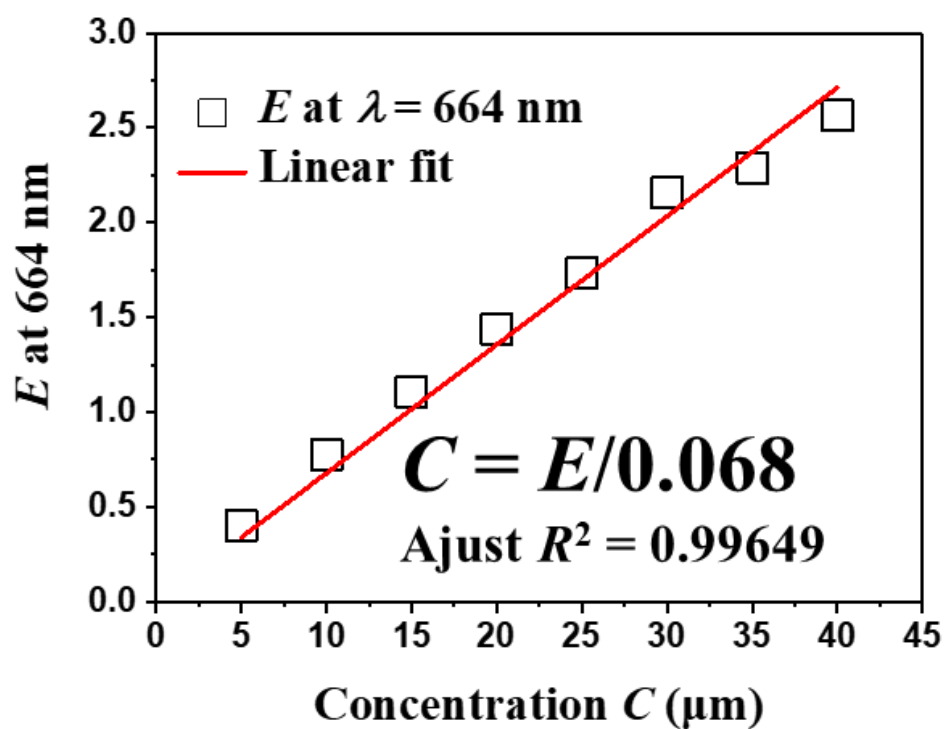


Figure S2. Calibration curve obtained from UV-Vis extinction spectra of MB aqueous solution with known concentrations using E at $\lambda = 664$ nm. The linear fit of $C = E/0.068$ was obtained. The adjust R^2 was 0.99649.