crystals

MDPI

Supplementary Materials

Melamine cyanaurate microrods decorated with SnO_2 quantum dots for photoelectrochemical applications

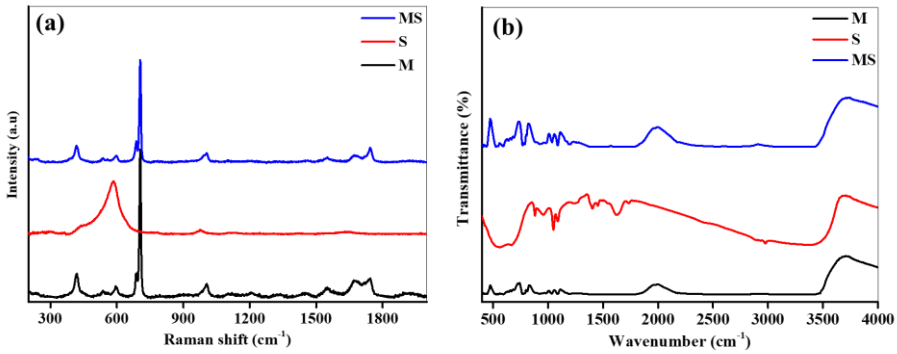


Figure S1. (a) Raman analysis of melamine cyanaurate microrods (M), SnO_2 nanostructures (S), and melamine cyanaurate microrods adorned with SnO_2 quantum dots (MS) samples, and (b) FTIR analysis of melamine cyanaurate microrods (M), SnO_2 nanostructures (S), and melamine cyanaurate microrods adorned with SnO_2 quantum dots (MS) samples.

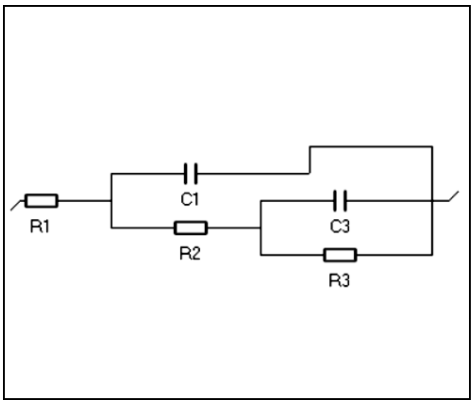


Figure S2. Equivalent circuit of Nyquist analysis.

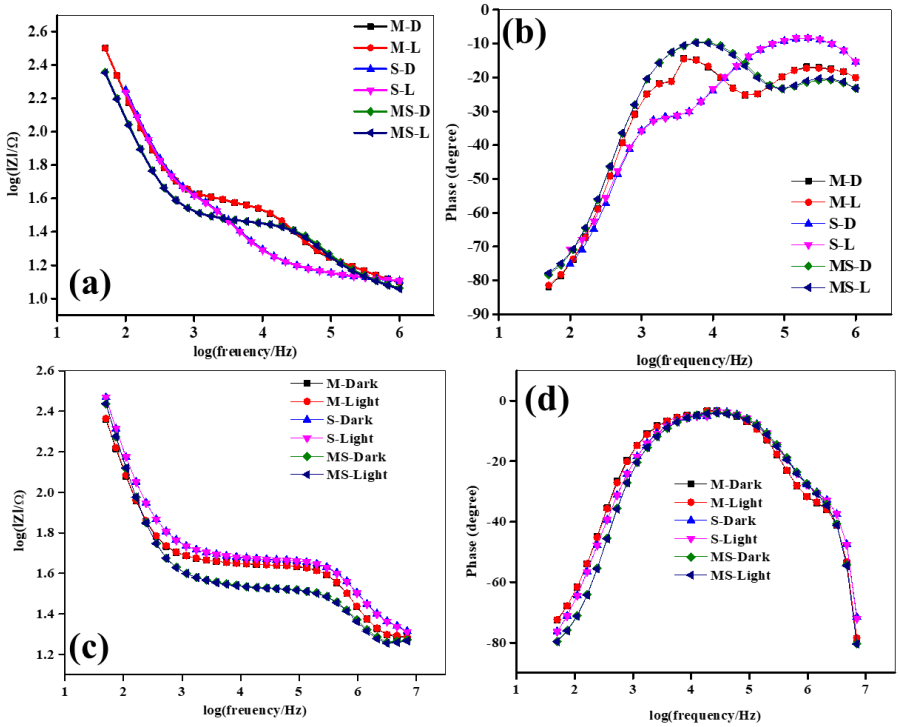


Figure S3. (a, b) Bode analysis of melamine cyanaurate microrods (M), SnO_2 nanostructures (S), and melamine cyanaurate microrods adorned with SnO_2 quantum dots (MS) samples electrodes under dark and light conditions in 0.1 M NaOH, and Na_2SO_3 electrolytes; and (c, d) Phase analysis of of melamine cyanaurate microrods (M), SnO_2 nanostructures (S), and melamine cyanaurate microrods adorned with SnO_2 quantum dots (MS) samples electrodes under dark and light conditions in 0.1 M NaOH, and Na_2SO_3 electrolytes.