Supporting information to

**An Electrochemistry Assisted Approach for Fast, Low-Cost and Gram-Scale Synthesis of Mesoporous Silica Nanoparticles**

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Attached Figures (See following pages)
Figure S1. Cross-section SEM images of silica film after deposition for different time on ITO electrodes at 3 mA cm$^{-2}$, (a) 5, (b) 10 and (c) 15 s.
Figure S2. SEM images of MSNs deposited on Au coated glass electrodes at 3 mA cm\(^{-2}\) for 2s in silica precursor solution with different pH (a, 2; b, 2.6; c, 4).
Figure S3. SEM image of MSNs deposited on Au coated glass electrode at 30 mA cm$^{-2}$ for 2s.
Figure S4. Photographs of stainless steel sheet electrodes after deposition MSNs at 3 mA cm\(^{-2}\) for different time, (a) 5 and (b) 10 min.
Figure S5. Size distribution of MSNs deposition on ITO surface at different cathodic current density (a) 3, (b) 4.5 and (c) 7 mA cm$^{-2}$ for 2 s.
Figure S6. SEM image of MSNs deposited on stainless steel electrode at 3 mA cm$^{-2}$ for 30 min.
Figure S7. SEM images of MSNs deposited on ITO electrodes at 3 mA cm$^{-2}$ for 2s after reducing the amount of TEOS and CTAB simultaneously to one half (a), a quarter (b) and one over ten (c) of the original composition depicted in experimental section.
Figure S8. SEM images of MSNs deposited on ITO electrodes at 3 mA cm$^{-2}$ for 2s after changing the ratio of CTAB to TEOS from 0.32 to 3.2 (a), 1.28 (b), 0.64 (c) and 0.16 (d).