Supplementary Material (ESI) for Journal of Materials Chemistry

Supporting Information

Single-Step Synthesis of Nano-Sized Perovskite-Type Oxide / Carbon Nanotube Composites and Their Electrocatalytic Oxygen-Reduction Activities

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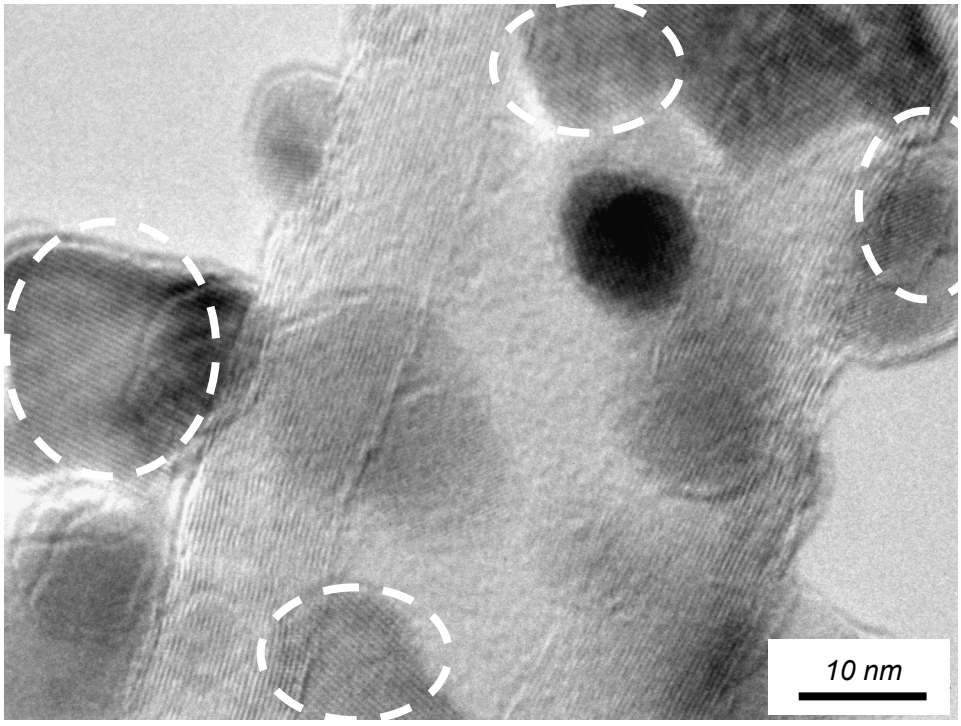

Figure S1. Magnified TEM image of LSMO/CNT (8:2:10) composite. LSMO nanoparticles with a d-spacing of 0.39 nm are surrounded by white circles.

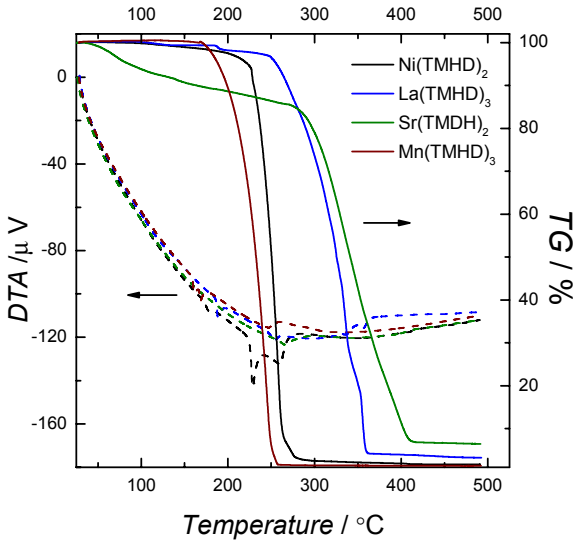

Figure S2. TG/DTA curves of metal-TMHD compounds using pierced Al pans at a heating rate of 10 ºC min^{-1}. Ar was used as a carrier gas and flowed at a rate of 150 mL min^{-1}.

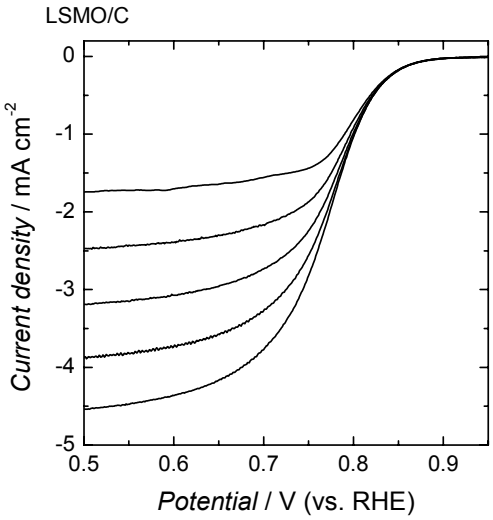

Figure S3. Linear sweep voltammograms of LSMO/C catalyst in an O_2-saturated aqueous solution of 1 mol dm^{-3} KOH. Sweep rate: 10 mV s^{-1}; temperature: 303 K.