Electronic Supplementary Information

Effect of different solvent ratio (ethylene glycol/water) on the preparation of Pt/C catalyst and its activity toward oxygen reduction reaction

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Figure S1. Typical XRD pattern for unsupported Pt black (BASF) (using Co Kα radiation as the X-ray source)
Figure S2. (a) Cyclic voltammograms, (b) linear sweep voltammograms, and (c) enlarged linear sweep voltammograms between 0.875 and 0.925 V obtained for various Pt/C catalysts.
Figure S3. Cyclic voltammograms and linear sweep voltammograms for Pt/C(3) and commercial Pt/TKK before and after 500 continuous potential cycles from 0.6 to 1.0 V.
Figure S4. Cyclic voltammograms obtained at 20 mV/s and linear sweep voltammograms obtained at 1600 rpm and 5 mV/s for Pt/C(3) and commercial Pt/TKK before and after ADT (ADT: accelerated durability test, 500 continuous potential cycles from 0.6 to 1.4 V at 50 mV/s).