

Facile Preparation of Porous Palladium Nanocubes via One-pot Process Induced by 1-Hexadecyl-3-methyl Imidazolium Bromide for Methanol Electro-oxidation

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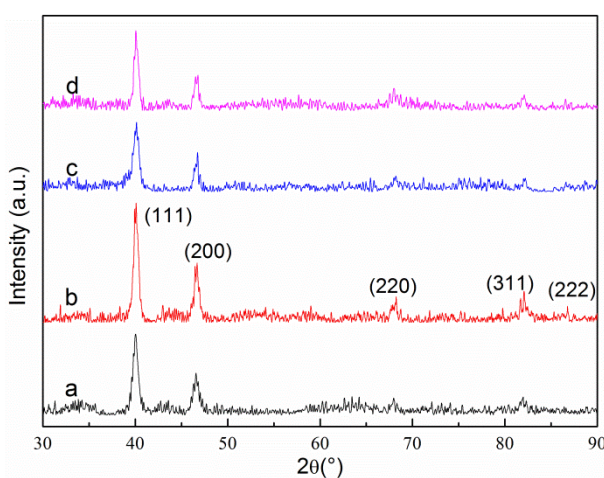


Figure S1. XRD patterns of PdPNs synthesized with a HMIB: Pd²⁺ molar ratio of (a) 0.1:1; (b) 0.2:1; (c) 0.6:1; (d) 1:1.

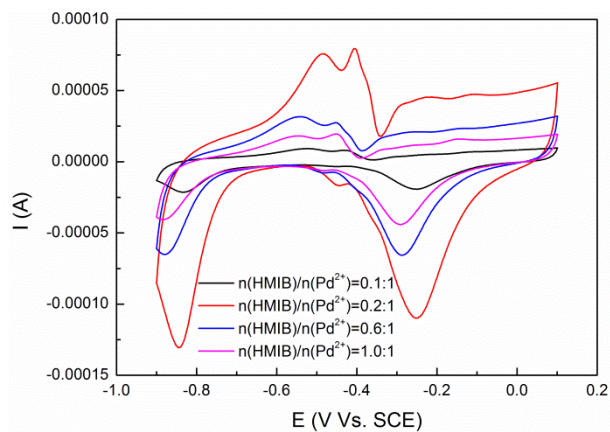


Figure S2. CV curves of PdPNs synthesized with different HMIB: Pd²⁺ molar ratio in blank 1 M

KOH.

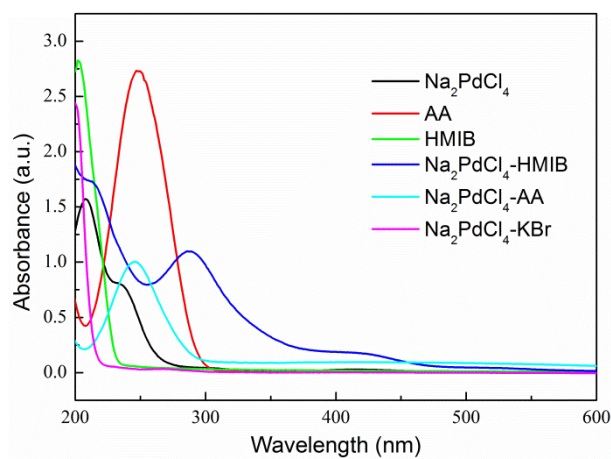


Figure S3. UV/Vis absorption spectra of standard solutions.

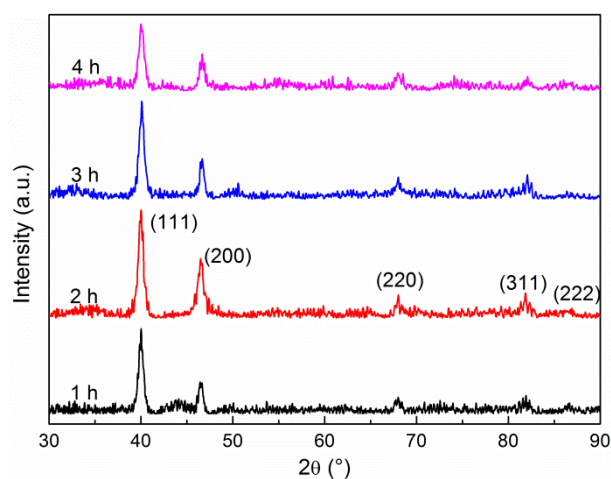


Figure S4. XRD patterns of PdPNs synthesized in different reaction time.

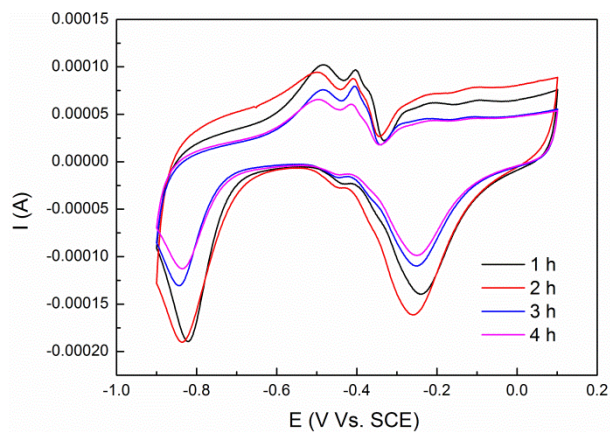


Figure S5. CV curves of PdPNs synthesized in different reaction time in blank 1 M KOH.

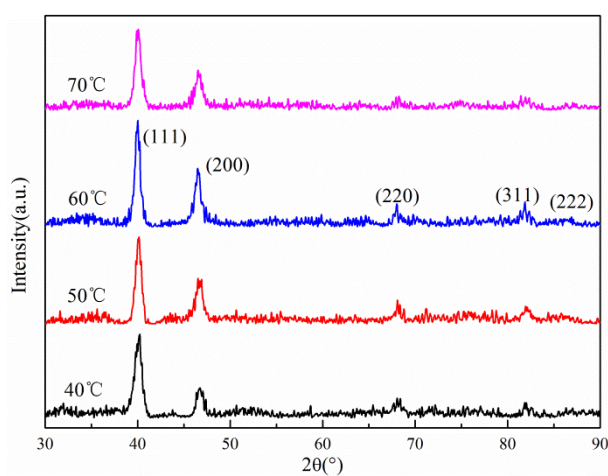


Figure S6. XRD patterns of PdPNs synthesized at different reaction temperature.

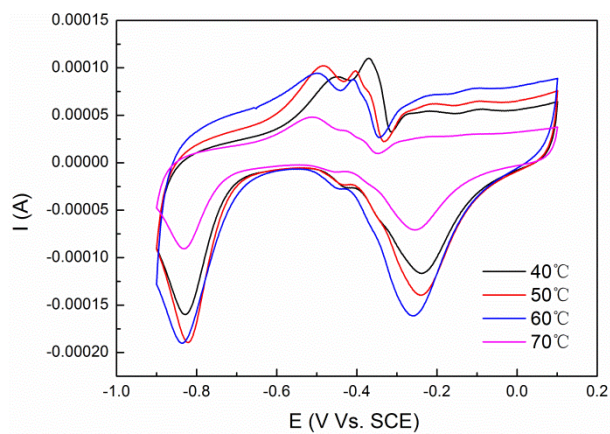


Figure S7. CV curves of PdPNs synthesized at different reaction temperature in blank 1 M KOH.