

Figure S1 (a) CVs of 0.5 M CH₃OH solution containing 0.5 M H₂SO₄ on PtPd@PVF catalyst with various polymer film thicknesses (in means of charge passed during polymer coating). (PW: 0.2-0.7 V vs. SCE, scan rate: 5 mV s⁻¹)

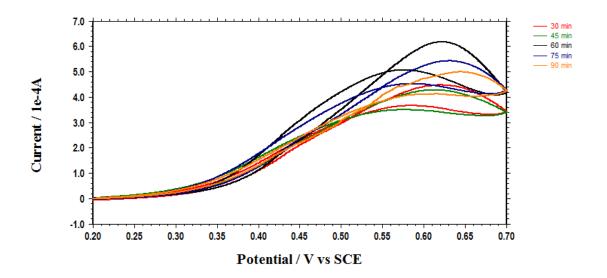


Figure S2 (a) CVs of 0.5 M CH₃OH solution containing 0.5 M H₂SO₄ on PtPd@PVF catalyst prepared by chemical reduction using various reduction times. (PW: 0.2-0.7 V vs. SCE, scan rate: 5 mV s⁻¹)

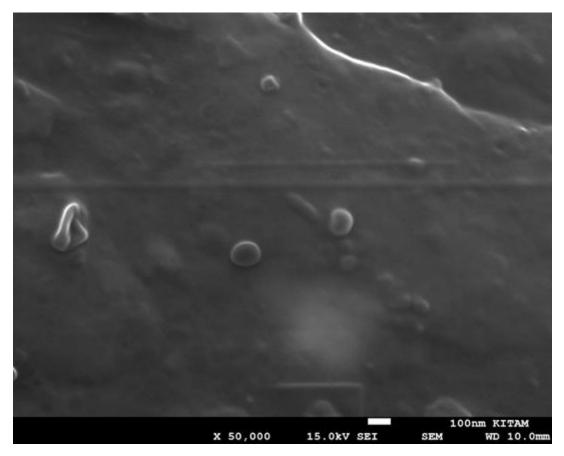


Figure S3 SEM image of naked PGE.