

### Production of Ash free coal from an anthracite coal and its oxidation in a Direct Carbon Fuel Cell

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(DCFCs)  
N-methyl-2-pyrrolidone(NMP)  
202 XRD, TGA 1g/3g  
가  
Anode 가  
가  
Polarization, Step -chronopotentiometry  
7.1wt% 32.3wt% 23.8wt%  
FT-IR, : 3g/3g, 3g/1g, 3g/0g  
Steady -State