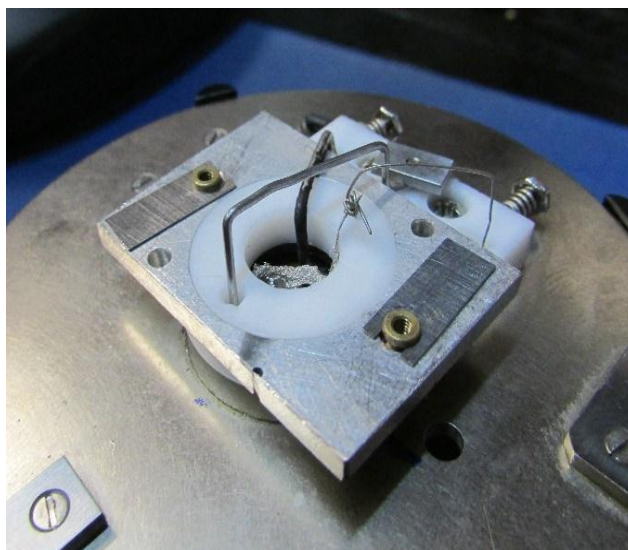


## SUPPLEMENTARY INFORMATION

### AFM Study of Oxygen Reduction Products on HOPG in $\text{LiPF}_6$ DMSO electrolyte

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S1. Electrochemical AFM cell



S2. Blank AFM of the HOPG surface. Notice small particles smaller than the lithium peroxide deposit that arise from solvent and molecular sieves used in the solvent purification.

