

Amorphous Molybdenum Phosphide Nanoparticles for Electrocatalytic Hydrogen Evolution

Joshua M. McEnaney,[†] J. Chance Crompton,[‡] Juan F. Callejas,[†] Eric J. Popczun,[†] Adam J. Biacchi,[†] Nathan S. Lewis,^{‡,*} Raymond E. Schaak^{†,*}

[†] Department of Chemistry and Materials Research Institute, The Pennsylvania State University, University Park, PA 16802 (USA). [‡]Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA 91125 (USA).

Supplementary Figures

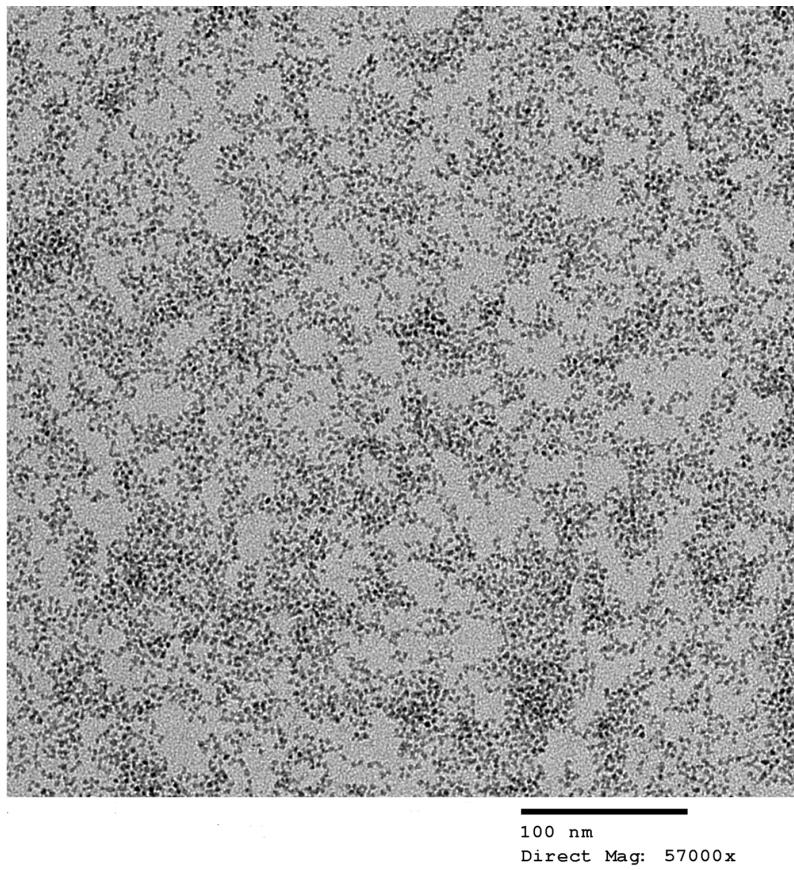


Figure S1. Wide area TEM image of as-synthesized amorphous MoP nanoparticles.

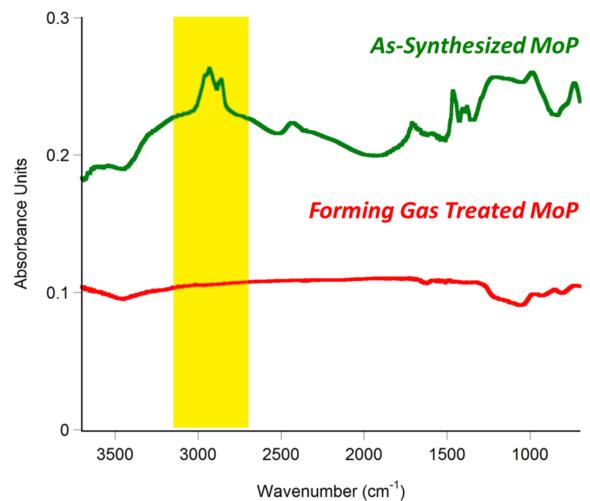


Figure S2. DRIFT spectra of as-synthesized amorphous MoP nanoparticles (top) and of the amorphous MoP nanoparticles after heating to 450 °C in H₂(5%)/Ar(95%).

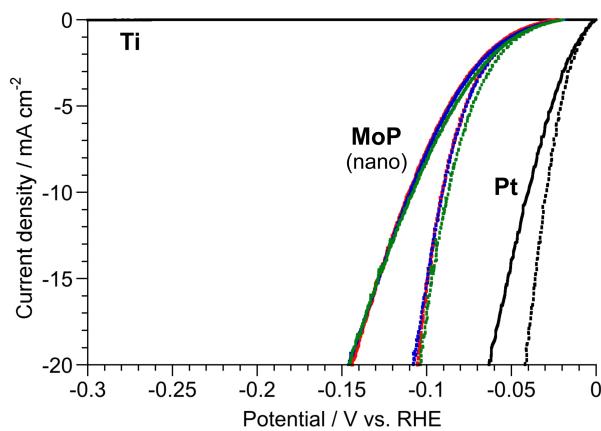


Figure S3. Polarization data for Ti, Pt, and three distinct MoP/Ti electrodes (red, green, and blue). Dashed lines correspond to iR corrected data.