

Materials List for:

Synthesis of Platinum-nickel Nanowires and Optimization for Oxygen Reduction Performance

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Materials

Name	Company	Catalog Number	Comments
Nickel nanowires	Plasmachem GmbH		
250 mL round bottom flask	Ace Glass		
Hot plate	VWR International		
Mineral oil	VWR International		
Potassium tetrachloroplatinate	Sigma Aldrich		
Syringe pump	New Era Pump Systems		
Rotator	Arrow Engineering		
Teflon paddle	Ace Glass		
Glass shaft	Ace Glass		
Split hinge tubular furnace	Lindberg		Customized in-house
Schlenk line	Ace Glass		
Condensers	VWR International		
Nitric acid	Fisher Scientific		
2-propanol	Fisher Scientific		
Nafion ionomer (5 wt. %)	Sigma Aldrich		
Glassy carbon working electrode	Pine Instrument Company		
RDE glassware	Precision Glassblowing		Customized in-house
Platinum wire	Alfa Aesar		Customized in-house
Platinum mesh	Alfa Aesar		Customized in-house
MSR Rotator	Pine Instrument Company		
Potentiostat	Metrohm Autolab		