

Materials List for:

Preparation of Graphene-Supported Microwell Liquid Cells for *In Situ* Transmission Electron Microscopy

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Materials

Name	Company	Catalog Number	Comments
Acetone	VWR Chemicals	50488858	VLSI
Deionized water			own production
Dumont Anti-Capillary tweezers	Carl Roth GmbH + Co. KG	LH72.1	0203-N5AC-PO Dumoxel alloyed
Ethanol	VWR Chemicals	85651.360	VLSI
FIJI Is Just ImageJ	FIJI.sc	Version 1.51	
Gold Quantifoil, Amorphous Carbon TEM Grids	Plano GmbH	S173-8	R 2/2 Au 300 mesh
HAuCl ₄ · 3 H ₂ O crystal	Alfa Aesar	36400.06	5 g
Jupyter Notebook	Project Jupyter	Version 5.7.2	
Matplotlib-Package	John Hunter, Darren Dale, Eric Firing, Michael Droettboom and the Matplotlib development team	Version 3.0.2	
NumPy-Package	NumPy developers	Version 1.15.4	
Pandas-Package	AQR Capital Management, LLC, Lambda Foundry, Inc. and PyData Development Team	Version 0.23.4	
Python	Python Software Foundation	Version 3.7	
Scipy-Package	SciPy developers	Version 1.1.0	
Seaborn-Package	Michael Waskom	Version 0.9.0	
Si wafer	Siegert Wafer GmbH		Thin silicon (100) wafer 175 +/-5 µm, 4", p-type, boron doped (1-30 Ohm cm), double-sided polished
single tilt TEM holder	Philips		Ensure that cell fits
Transmission Electron Microscope	Philips	CM 30 (S)TEM	300 kV
Trivial Transfer Graphene	ACS Material	TTG60011	PMMA-covered, 6 -- 8 MLs