

Materials List for:

Fabrication of Gate-tunable Graphene Devices for Scanning Tunneling Microscopy Studies with Coulomb Impurities

Han Sae Jung^{1,2}, Hsin-Zon Tsai¹, Dillon Wong¹, Chad Germany¹, Salman Kahn¹, Youngkyou Kim^{1,3}, Andrew S. Aikawa¹, Dhruv K. Desai¹, Griffin F. Rodgers¹, Aaron J. Bradley¹, Jairo Velasco Jr.¹, Kenji Watanabe⁴, Takashi Taniguchi⁴, Feng Wang^{1,5,6}, Alex Zettl^{1,5,6}, Michael F. Crommie^{1,5,6}

¹Department of Physics, University of California at Berkeley

²Department of Chemistry, University of California at Berkeley

³Department of Chemical and Biomolecular Engineering, University of California at Berkeley

⁴National Institute for Materials Science (Japan)

⁵Materials Sciences Division, Lawrence Berkeley National Laboratory

⁶Kavli Energy NanoSciences Institute, University of California at Berkeley and Lawrence Berkeley National Laboratory

Correspondence to: Michael F. Crommie at crommie@berkeley.edu

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Materials

Name	Company	Catalog Number	Comments
Cu foil	Alfa Aesar	CAS # 7440-50-8 Lot # F22X029 Stock # 13382	99.8% Cu
Scotch Magic Tape	Scotch®	N/A	for exfoliation of hBN
PMMA	Micro Chem	M23004 0500L 1GL	A4
FeCl ₃ resistant spoon	Bel-Art ScienceWare	367300015	PTFE coated double ended chemical spoon, 15 cm length
FeCl ₃ (aq)	Ricca Chemical	3127-16	40% w/v
SiO ₂ /Si(100) Chip	NOVA Electric Materials	HS39626-OX	n/a
h-BN	K. Watanabe and T. Taniguchi Group	Contact the group	hexagonal Japanese BN (JBN)
Au(111)	Agilent Technologies	N9805B-FG	Au(111) epitaxially grown on mica
Sapphire	Precision Ferrites & Ceramic, Inc.	Contact vendor	P/N Sapphire Chips 0.22 x 0.125 x 0.015"
Ca source	Trace Sciences International Corp.	AS-3-Ca-5-S	n/a
Cu(100)	Princeton Scientific	Contact vendor	Cu(100) single crystal
Methane	Praxair, Inc.	ME 5.0RS-K	Graphene growth precursor gas
Hydrogen	Praxair, Inc.	HY 6.0RS-K	Graphene growth precursor gas