

Materials List for:

Design, Fabrication, and Experimental Characterization of Plasmonic Photoconductive Terahertz Emitters

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Materials

Name	Company	Catalog Number	Comments
Reagent			
Polymethyl Methacrylate (PMMA)	MicroChem	950K PMMA A4	
Hexamethyldisilazane (HMDS)	Shin-Etsu MicroSi	MicroPrime HP Primer	
Optical Photoresist	Dow Chemical	Megaposit SPR 220-3.0	
Photoresist Developer	AZ Electronic Materials	AZ 300 MIF Developer	
Methyl Iso-Butyl Keytone (MIBK)	Avantor Performance Materials	9322-03	
Equipment			
Ti:Sapphire Mode-Locked Laser	Coherent	MIRA 900D V10 XW OPT 110V	
Pyro-electric Detector	Spectrum Detector	SPI-A-65 THz	
Electron-Beam Lithography Tool	JEOL	JBX-6300-FS	
Plasma Stripper	Yield Engineering Systems	YES-CV200RFS	
Metal Evaporator	Denton Vacuum	SJ-20	
Plasma Enhanced Chemical Vapor Deposition Tool	GSI	GSI PECVD System	
Projection Lithography Stepper	GCA	AutoStep 200	
Reactive Ion Etcher	LAM Research	9400	
Parameter Analyzer	Hewlett Packard	4155A	
Optical Chopper	Thorlabs	MC2000	
Lock-in Amplifier	Stanford Research Systems	SR830	
Electrooptic Modulator	Thorlabs	EO-AM-NR-C2	
Motorized Linear Stage	Thorlabs	NRT100	