

Materials List for:

Determination of the Excitation and Coupling Rates Between Light Emitters and Surface Plasmon Polaritons

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Materials

Name	Company	Catalog Number	Comments
SU-8	MicroChem	SU-8 2000.5	
Adhesion solution	MicroChem	Omnicoat	
SU-8 Thinner (Gamma-Butyrolactone)	MicroChem	SU-8 2000 Thinner	
SU-8 Developer	MicroChem	SU-8 Developer	
Spin Coater	Chemat Technology	KW-4A	
HeCd laser	KIMMON KOHA CO., LTD	IK3552R-G	
Shutter	Thorlabs	SH05	
Objective for sample preparation	Newport	U-13X	
Pinhole	Newport	PNH-50	
Iris	Newport	M-DI47.50	
Prism	Thorlabs	PS611	
Rotation stage for sample preparation	Newport	481-A	
Sputtering Deposition System	Homemade		
Rotation Stage 1	Newport	URM80ACC	
Rotation Stage 2	Newport	RV120PP	
Rotation Stage 3	Newport	SR50PP	
Detection arm	Homemade		
Quartz lamp	Newport	66884	
Fiber Bundle	Newport	77578	
Objective for measurement	Newport	M-5X & M-60X	
Polarizer & Analyzer	Thorlabs	GT15	
Multimode Fiber	Thorlabs	BFL105LS02	
Spectrometer	Newport	MS260i	
CCD	Andor	DV420-OE	
514nm Argon Ion Laser	Spectra-Physics	177-G01	
633nm HeNe Laser	Newport	R-32413	
CdSeTe quantum dot	Thermo Fisher Scientific	q21061mp	
Polyvinyl alcohol polymer (PVA)	SIGMA-ALDRICH	363073	
Control program	National Instruments	LabVIEW	