

Materials List for:

# Scalable Solution-processed Fabrication Strategy for High-performance, Flexible, Transparent Electrodes with Embedded Metal Mesh

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## Materials

Name	Company	Catalog Number	Comments
Acetone	Sigma-Aldrich	W332615	Highly flammable
Isopropanol	Sigma-Aldrich	190764	Highly flammable
FTO Glass Substrates	South China Xiang S&T, China		
Photoresist	Clariant, Switzerland	54611L11	AZ 1500 Positive tone resist (20cP)
UV Mask Aligner	Chinese Academy of Sciences, China	URE-2000/35	
Photoresist Developer	Clariant, Switzerland	184411	AZ 300 MIF Developer
Cu, Ag, Au, Ni, and Zn Electroplating solutions	Caswell, USA		Ready to use solutions (PLUG N' PLATE)
Keithley 2400 SourceMeter	Keithley, USA	41J2103	
COC Plastic Films	TOPAS, Germany	F13-19-1	Grade 8007 (Glass transition temperature: 78 °C)
Hydraulic Press	Specac Ltd., UK	GS15011	With low tonnage kit ( 0-1 ton guage)
Temperature Controller	Specac Ltd., UK	GS15515	Water cooled heated platens and controller
Chiller	Grant Instruments, UK	T100-ST5	
Polymethyl Methacrylate (PMMA)	Sigma-Aldrich	200336	
Anisole	Sigma-Aldrich	96109	Highly flammable
EBL Setup	Philips, Netherlands	FEI XL30	Scanning electron microscope equipped with a JC Naby pattern generator
Isopropyl Ketone	Sigma-Aldrich	108-10-1	
Silver Paste	Ted Pella, Inc, USA	16031	
UV-Vis Spectrometer	Perkin Elmer, USA	L950	