

Materials List for

Fabrication of Thin Film Silver/Silver Chloride Electrodes with Finely Controlled Single Layer Silver Chloride

Kai Chun Eddie Tjon¹, Jie Yuan¹

¹Department of Electronic and Computer Engineering, The Hong Kong University of Science and Technology

Corresponding Author

Kai Chun Eddie Tjon
kcejton@connect.ust.hk

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Materials

Name	Company	Catalog Number	Comments
AST Peva-600EI E-Beam Evaporation System	Advanced System Technology		For Cr/Au Deposition
AZ 5214 E Photoresist	MicroChemicals		Photoresist for pad opening
AZ P4620 Photoresist	AZ Electronic Materials		Photoresist for Ag liftoff
Branson/IPC 3000 Plasma Asher	Branson/IPC		Ashing
Branson 5510R-MT Ultrasonic Cleaner	Branson Ultrasonics		Liftoff
CHI660D	CH Instruments, Inc		Electrochemical Analyser
Denton Explorer 14 RF/DC Sputter	Denton Vacuum		For Ag Sputtering
FHD-5	Fujifilm	800768	Photoresist Development
HPR 504 Photoresist	OCG Microelectronic Materials NV		Photoresist for Cr/Au liftoff
Hydrochloric acid fuming 37%	VMR	20252.420	Making diluted HCl for cathodic cleaning
J.A. Woollam M-2000VI Spectroscopic Ellipsometer	J.A. Woollam		Measurement of silicon dioxide passivation layer thickness on dummy
Multiplex CVD	Surface Technology Systems		Silicon dioxide passivation
Oxford RIE Etcher	Oxford Instruments		For Pad opening
Potassium Chloride	Sigma-Aldrich	7447-40-7	Making KCl solutions
SOLITEC 5110-C/PD Manual Single-Head Coater	Solitec Wafer Processing, Inc.		For spincoating of photoresist
SUSS MA6	SUSS MicroTec		Mask Aligner
Sylgard 184 Silicone Elastomer Kit	Dow Corning		Adhesive for container on chip