

Materials List for:

Fabrication of Schottky Diodes on Zn-polar BeMgZnO/ZnO Heterostructure Grown by Plasma-assisted Molecular Beam Epitaxy

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Materials

Name	Company	Catalog Number	Comments
MOCVD	Emcore		custom-built
MBE	SVT Associates		
TMAI	SAFC	CAS: 75-24-1	
TMGa	SAFC	CAS: 1445-79-0	
NH3	The Linde group	CAS: 7664-41-7	
H2	National Welders Supply Co.	supplier part no. 335-041	Grade 5.0
O2	National Welders Supply Co.	supplier part no. OX 300	Industrial Grade Oxygen, Size 300 Cylinder, CGA-540
Mg	Sigma-Aldrich	Product No.: 474754-25G	MAGNESIUM, DISTILLED, DENDRITIC PIECES, 99.998% METALS BASIS
Be	ESPI Metals	Stock No. K646b	Beryllium pieces, 3N
Zn	Alfa Aesar, Thermo Fisher Scientific Chemicals Inc.	Product No.: 10760-30	Zinc shot, 1-6mm (0.04-0.24in), Puratronic, 99.9999%
Au	Kurt J. Lesker	part no. EVMAUX40G	Gold Pellets, 99.99%
Ag	Kurt J. Lesker	part no. EVMAG40QXQ	Silver Pellets, 99.99%
Ti	Kurt J. Lesker	part no. EVMTI45QXQ	Titanium Pellets, 99.995%
Developer	Rohm and Haas electronic Materials LLC	MF-CD-26	Material number 10018050
Photoresist	Rohm and Haas electronic Materials LLC	SPR 955	Material number 10018283