

Materials List for:

# Preparation and Evaluation of Hybrid Composites of Chemical Fuel and Multi-walled Carbon Nanotubes in the Study of Thermopower Waves

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## Materials

Name	Company	Catalog Number	Comments
4" n-type silicon wafer	Unisill	4" Si-wafer	
Al <sub>2</sub> O <sub>3</sub>	TAEWON	A-1008	99.9999% Purity
Fe	Sigma Aldrich	267945	99.9999% Purity
Ar	Seoul specialty gas	Ar(N60)	99.9999% Purity
C <sub>2</sub> H <sub>4</sub>	Seoul specialty gas	C <sub>2</sub> H <sub>4</sub>	99.5% Purity
H <sub>2</sub>	Seoul specialty gas	H <sub>2</sub> (N60)	99.9999% Purity
Silver paste	Fujikura Kasei	D-550	
Picric acid	Sigma Aldrich	197378	>98% Purity Highly toxic
Sodium azide	Sigma Aldrich	S2002	>99.5% Purity
Acetonitrile	Sigma Aldrich	271004	99.8% Purity
Power supply	Mastech	HY3010	
TCVD	Scientech	TCVD	
Oscilloscope	Tektronix	DPO2004B	
High-speed microscopy system	Phantom	V7.3	