

Materials List for:

# Ambient Method for the Production of an Ionically Gated Carbon Nanotube Common Cathode in Tandem Organic Solar Cells

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URL: <https://www.jove.com/video/52380>

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## Materials

Name	Company	Catalog Number	Comments
Poly(3,4-ethylenedioxythiophene):poly-(styrenesulfonate)	Heraeus	Clevios PVP AI 4083	
poly(3-hexylthiophene-2,5-diyl)	Rieke Metals Inc.	P3HT: P200	
phenyl-C <sub>61</sub> -butyric acid methyl ester	1- Material	PC61BM	
Poly({4,8-bis[(2-ethylhexyl)oxy]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl}{3-fluoro-2-[(2-ethylhexyl)carbonyl]thieno[3,4-b]thiophenediyl})	1- Material	PTB7	
phenyl-C <sub>61</sub> -butyric acid methyl ester	Solenne	PC71BM	
1,8-Diiodooctane	Sigma Aldrich	250295	
Chlorobenzene	Sigma Aldrich	284513	
Indium Tin Oxide Coated Glass 15 Ohm/SQ	Lumtec		
S1813	UTD Cleanroom		
MF311	UTD Cleanroom		
HCl	UTD Cleanroom		
Acetone	Fisher Scientific	A18-20	
Toluene	Fisher Scientific	T323-20	
Methanol	BDH	BDH1135-19L	
Isopropanol	Fisher Scientific	A416-20	
CEE Spincoater	Brewer Scientific		<a href="http://www.utdallas.edu/research/cleanroom/tools/CEESpinCoater.htm">http://www.utdallas.edu/research/cleanroom/tools/CEESpinCoater.htm</a>
Contact Printer	Quintel	Q4000-6	<a href="http://www.utdallas.edu/research/cleanroom/QuintelPrinter.htm">http://www.utdallas.edu/research/cleanroom/QuintelPrinter.htm</a>
CPK Spin Processor			<a href="http://www.utdallas.edu/research/cleanroom/tools/CPKsolvent.htm">http://www.utdallas.edu/research/cleanroom/tools/CPKsolvent.htm</a>
Spin Coater	Laurell	WS-400-6NPP/LITE	
Name	Company	Catalog Number	Comments
Glove Box	M-Braun	Lab Master 130	
Solar Simulator	Thermo Oriel/Newport		
Keithley 2400 SMU	Keithley/Techtronix	2400	

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Keithley 7002 Multiplexer	Keithley/Techtronix	7002	
Ultrasonic Cleaner	Kendal	HB-S-49HDT	
Micropipette	Eppendorf	200 $\mu$ l	