

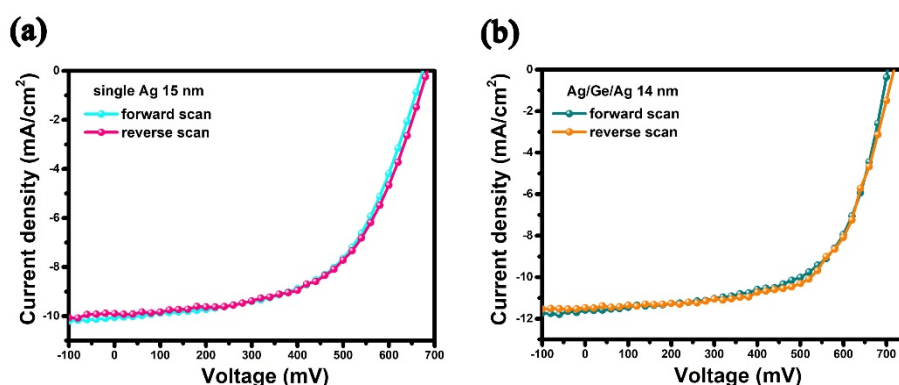
# Supporting Information

## Easily Prepared Transparent Electrodes for Low-Cost Semitransparent Inverted Polymer Solar Cells

Jiaxin Guo, Ziming Bu, Shuo Han, Yanyu Deng, Chunyu Liu\* and Wenbin Guo\*

<sup>1</sup> State Key Laboratory on Integrated Optoelectronics, College of Electronic Science and Engineering, Jilin University, 2699 Qianjin Street, Changchun 130012, People's Republic of China

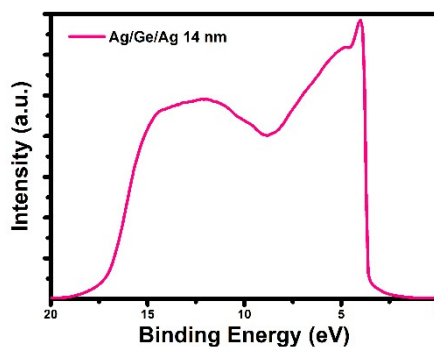
\* Correspondence: chunyu\_liu@jlu.edu.cn (C.L.); guowb@jlu.edu.cn (W.G.)



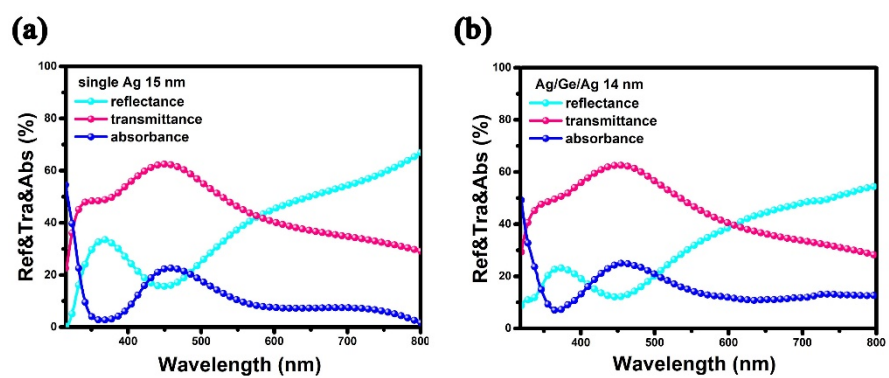
**Figure S1.** (a) J-V characteristics in forward and reverse scan of device with single Ag electrode and (b) device with Ag/Ge/Ag 14 nm electrode.

**Table S1.** J-V Parameters of devices with single Ag and Ag/Ge/Ag electrode in forward and reverse scan direction

Device (nm)	Scan direction	J <sub>SC</sub> (mA/cm <sup>2</sup> )	V <sub>OC</sub> (V)	FF (%)	PCE (%)
Single Ag 15	forward	10.07	0.673	56	3.8
Single Ag 15	reverse	9.97	0.684	56	3.8
Ag/Ge/Ag 14	forward	11.63	0.703	63	5.1
Ag/Ge/Ag 14	reverse	11.50	0.715	63	5.1



**Figure S2.** UPS spectrum of Ag/Ge/Ag film.



**Figure S3.** (a) The reflectance, absorbance and transmittance curves of single Ag 15 nm and (b) Ag/Ge/Ag 14 nm.