Supporting Information

Improved Performance of Polymer Solar Cells by Thermal Evaporation of AgAl Alloy Nanostructures into Hole-Transport Layer

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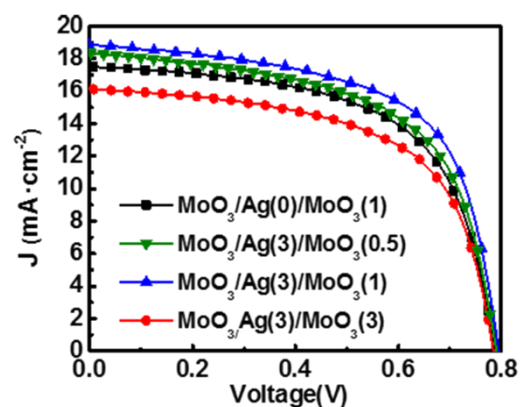
Figure S1. *J-V* curves of PSCs incorporated with 3-nm-thick layer of Ag nanostructures isolated with different-thickness MoO_3 spacer layer, where the anode structure of the PSC was $MoO_3(8)$/Ag nanostructures(x)/$MoO_3(y)$/Ag(100) electrode. The numbers in parentheses indicate the average layer thicknesses in nanometers.

Table S1. Parameters of PSCs Incorporated with Ag Nanostructures Isolated with different-thickness MoO_3 spacer layer.

MoO_3/Ag/MoO_3 layer thicknesses (nm)	V_{oc} (V)	J_{sc} (mA·cm^{-2})	FF (%)	PCE (%)	R_s (Ω·cm^2)
8/0/1	0.78±0.01	16.7±0.5	60.1±0.4	7.79±0.10	57.2
8/3/0.5	0.78±0.01	17.9±0.3	59.8±0.4	8.21±0.15	43.5
8/3/1	0.78±0.01	18.8±0.4	62.0±0.3	9.18±0.10	37.4
8/3/3	0.78±0.01	15.8±0.5	59.9±1.0	7.25±0.20	69.1