

Supplementary Information

Vertical Bi₂Se₃ flakes array as Pt-free counter electrode for dye-sensitized solar cells

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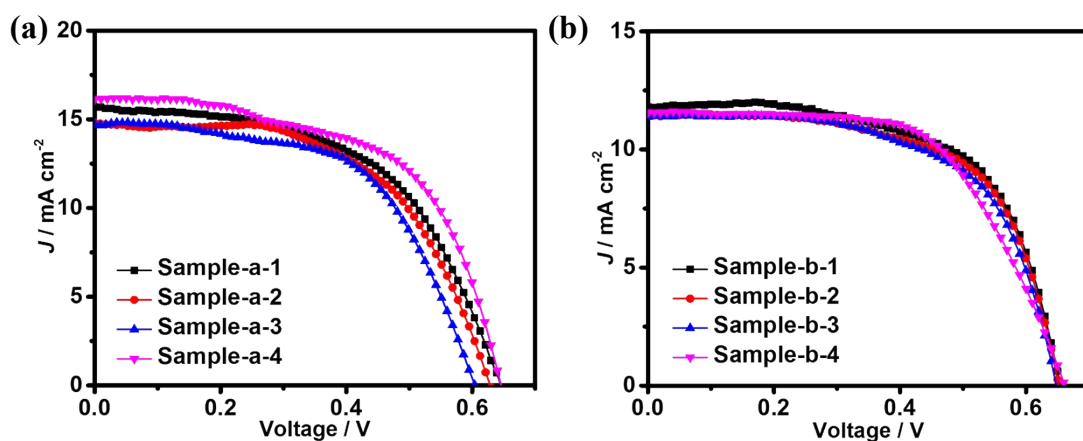


Figure S1. The J - V curves of DSSCs with (a) the edge-terminated Bi_2Se_3 CEs (Sample-a) and the terrace-terminated Bi_2Se_3 CEs (Sample-b).

Table S1. The average photovoltaic parameters and standard deviation of the cells (Sample-a and Sample-b) in Figure S1.

	Sample-a				Sample-b			
	V_{oc}/V	$J_{sc}/\text{mA cm}^{-2}$	FF	PCE/%	V_{oc}/V	$J_{sc}/\text{mA cm}^{-2}$	FF	PCE/%
Average	0.63	15.33	0.57	5.50	0.65	11.55	0.62	4.70
Standard Deviation	0.021	0.585	0.017	0.36	0.005	0.158	0.009	0.11