

## **Supporting Information**

# Reducing photovoltage loss at anode contact of methylammonium-free inverted perovskite solar cells by conjugated polyelectrolyte doping

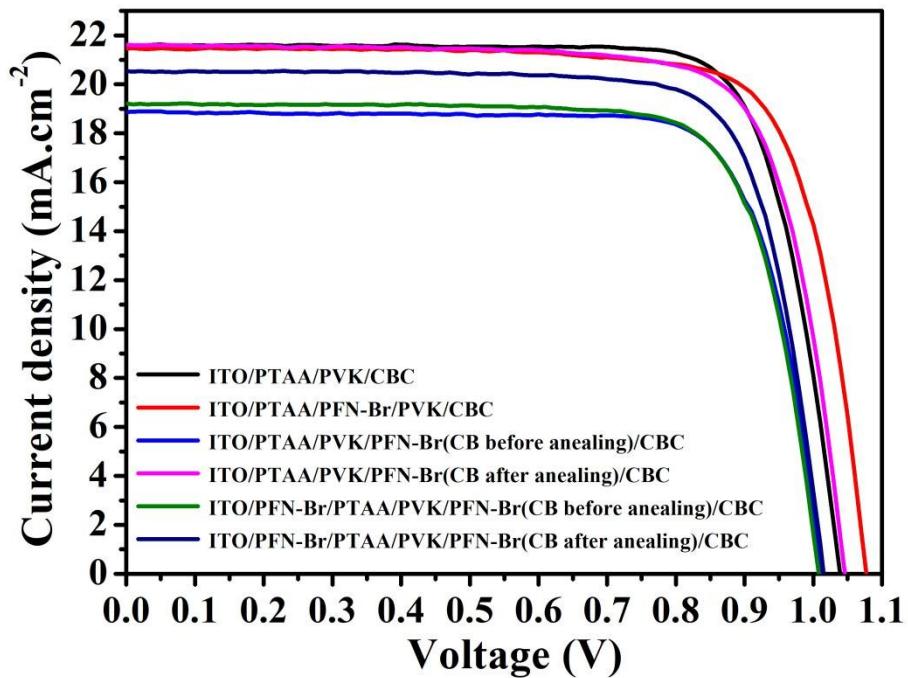
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**Fig.S1** the  $J$ - $V$  curves for the devices of different constructions (CB and CBC represent chlorobenzene and C60/BCP/Cu, respectively; PFN-Br represents PFN-Br dissolved in DMF )

**Table S1.** The fitted data of TRPL of control and PFN-Br doping films.

Delay Time	Control	PFN-Br doping	Proportion	Control	PFN-Br doping
	(ns)	(ns)		(%)	(%)
$\tau_1$	306.8	153.2	A1	23.22	11.40
$\tau_2$	832.6	500.9	A2	76.78	88.60