

碘化铅作为空穴传输层在 P3HT:PC₆₁BM 聚合物太阳能电池 中的增强效果

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Lead Iodide as a New Type of Hole Transport Layer for the High Performance of P3HT:PC₆₁BM-Based Solar Cells

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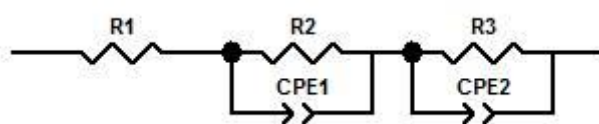


图 S1 阻抗数据拟合等效电路图

Fig.S1 Equivalent circuit used for fitting the impedance data

表 S1 基于 P3HT:PC₆₁BM 聚合物太阳能电池阻抗模拟参数

Table S1 Fitted EIS parameters of the PSCs based on P3HT:PC₆₁BM

Condition ^a	R_1/Ω	R_2/Ω	CPE1-T/pF	CPE1-P	R_3/Ω	CPE2-T/pF	CPE2-T
PEDOT:PSS	55.4	79.8	27.5	1.1	911.1	9.3	0.9
1 mg mL ⁻¹	50.7	2825	7.1	0.9	20.6	16.3	1.2
3 mg mL ⁻¹	44.8	1998	6.9	0.9	460.1	70.3	0.9
5 mg mL ⁻¹	41.3	1153	1890	0.5	3111	4.4	0.9
7 mg mL ⁻¹	28.8	2196	2.51	0.9	930.5	217	0.7
10mg mL ⁻¹	46.6	1079	1280	0.6	2765	5.3	0.9

^a for PbI₂ films, annealed at 100 °C, 3000 r·min⁻¹