

Organic Nano Electronic (ONE=I) Materials for those who understand quality

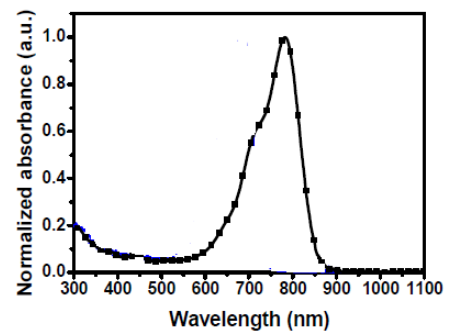
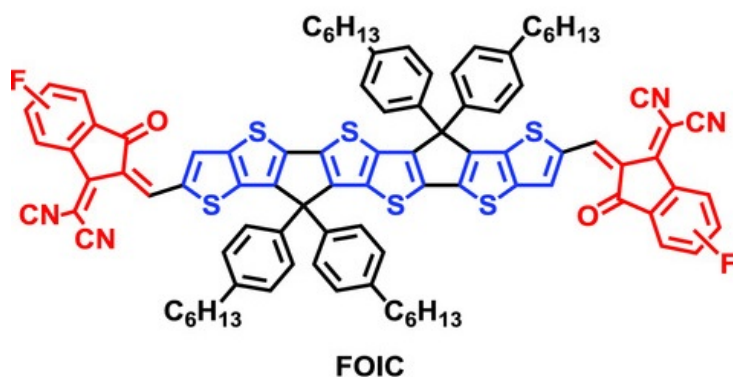
COMMUNICATION**ADVANCED
MATERIALS**

Solar Cells

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Fused Tris(thienothiophene)-Based Electron Acceptor with Strong Near-Infrared Absorption for High-Performance As-Cast Solar Cells

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Compound	T_d [°C]	λ_{\max}^{abs} [nm]		$E_g^a)$ [eV]	$\epsilon^b)$ [M ⁻¹ cm ⁻¹]	HOMO [eV]	LUMO [eV]	μ_e [cm ² V ⁻¹ s ⁻¹]
		Solution	Film					
FOIC	328	782	836	1.32	2.0×10^5	-5.36	-3.92	1.2×10^{-3}

^{a)}Estimated from the absorption edge in film; ^{b)}Extinction coefficient at λ_{\max} in solution.

Reference: DOI: 10.1002/adma.201705969

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