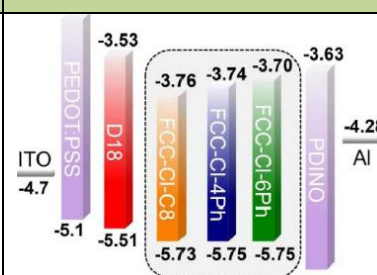
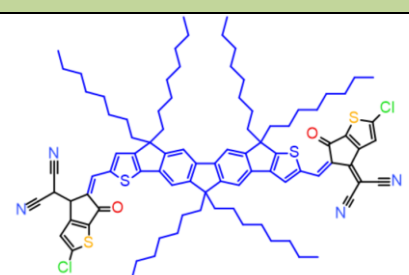
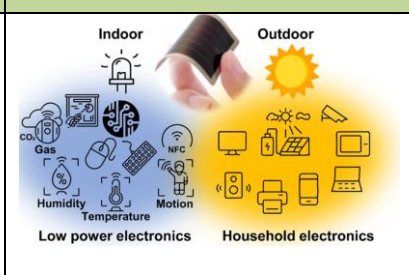
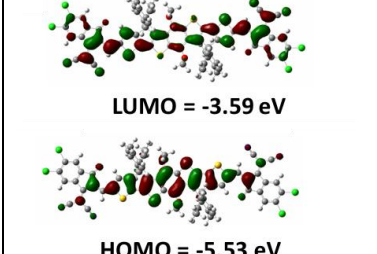
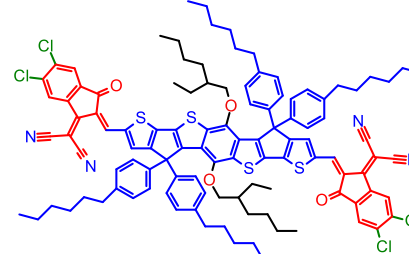
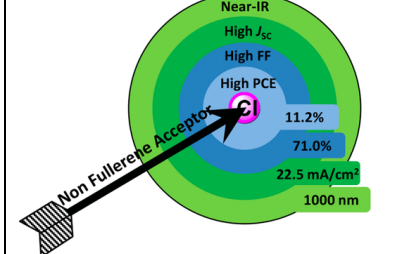
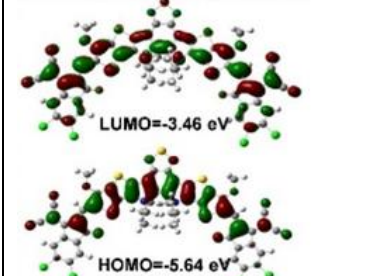
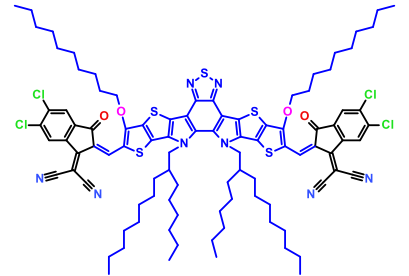
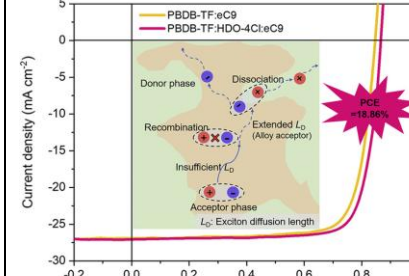
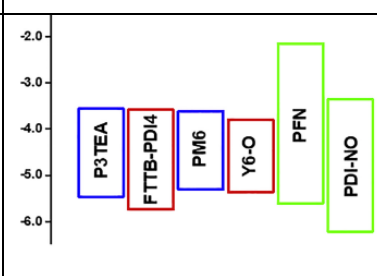
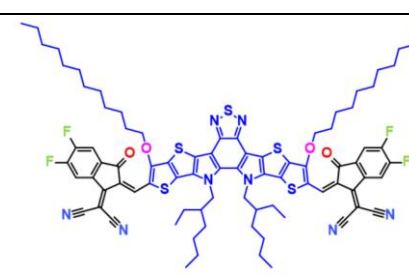
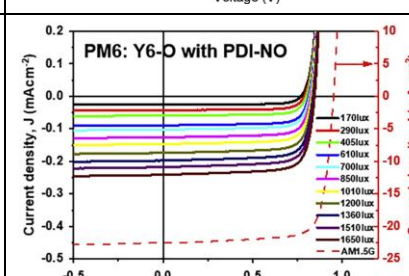
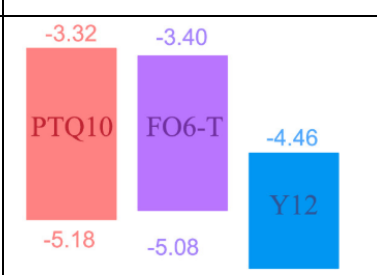
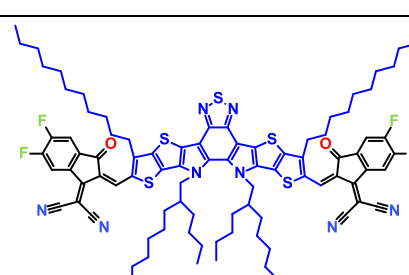
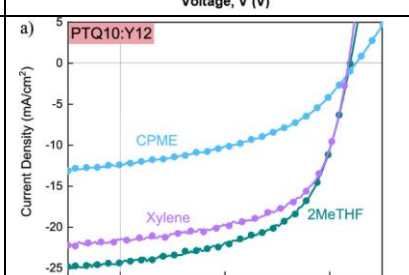


Organic Nano Electronic (ONE=1) materials for those who understand quality

IM #	Energy Level (reference data)	Chemical Structure	Remark (reference data)
FCC-Cl FCC-Cl-C8	 <p>ITO -4.7, Al -4.28</p> <p>LUMO: -3.53, -3.76, -3.74, -3.70, -3.63</p> <p>HOMO: -5.51, -5.73, -5.75, -5.75</p>		 <p>Indoor: Low power electronics Outdoor: Household electronics</p>
BT-CIC	 <p>LUMO = -3.59 eV HOMO = -5.53 eV</p>		 <p>High J_{sc} High FF High PCE 11.2% 71.0% 22.5 mA/cm² 1000 nm</p>
HDO-4CI	 <p>LUMO = -3.46 eV HOMO = -5.64 eV</p>		 <p>Current density (mA cm⁻²) vs Voltage (V)</p> <p>PCE = 18.86%</p>
Y6-O	 <p>P3TEA, FTTB-PDI4, PM6, Y6-O, PFN, PDI-NO</p>		 <p>PM6: Y6-O with PDI-NO</p> <p>Current density, J (mAcm⁻²) vs Voltage, V (V)</p>
Y12 Y6-BO BTP-4F-12	 <p>PTQ10, FO6-T, Y12</p> <p>LUMO: -3.32, -3.40, -4.46</p> <p>HOMO: -5.18, -5.08, -5.71</p>		 <p>PTQ10:Y12</p> <p>Current Density (mA/cm²) vs Voltage (V)</p> <p>Solvents: CPME, Xylene, 2MeTHF</p>

1-Material stands for Organic Nano Electronic (ONE=1) materials for OPV, OTFT, OLED, OTE, sensors, batteries, and printing electronics in general. Our goal is to provide the reproducible and standardized ONE materials to research society such that those undertaking research in the field are able to develop the technology free from the usual concerns of availability and reproducibility. We also offer custom synthesis and contract research to meet your specific needs timely, confidentially and reliably. For more information, please visit www.1-material.com.