

PTQ11 beyond simple Beauty



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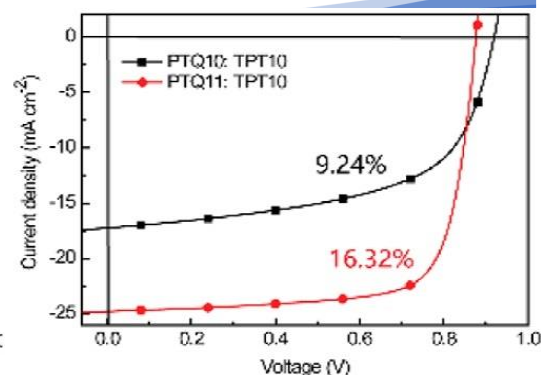
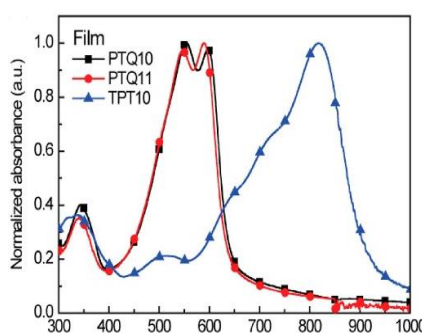
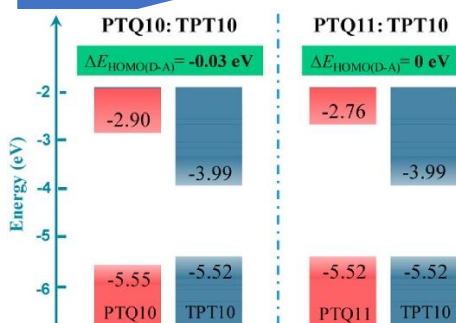
Organic Nano Electronic (ONE=I) Materials for those who understand quality

PTQ11 beyond simple beauty

$$\Delta E_{\text{HOMO(D-A)}} = 0$$

ICAS, 2020,142,1465

A perfect match with zero HOMO offset between the donor(PTQ11) and the acceptor(TPT10) delivered a PCE=16.32% in a simple single junction of OPV device (ITO/ZnO/PTQ11-TPT10/MoO3/Ag)



PTQ10 (1M: OS0127)	PTQ11 (1M: PCE163)	TPT10 (1M: NFA163)
Mw~ 75K, PDI~2	Mw~ 80 K, PDI~2	99+%

Organic Nano Electronic(ONE)materials, reproducibility matters, and this is what we are focusing on. Equally important, contract research and custom synthesis are part of our business, and we build your designed structures confidentially and reliably, please contact info@1-material.com for more information.

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