-MATERIAL
Organic Nano Electronic

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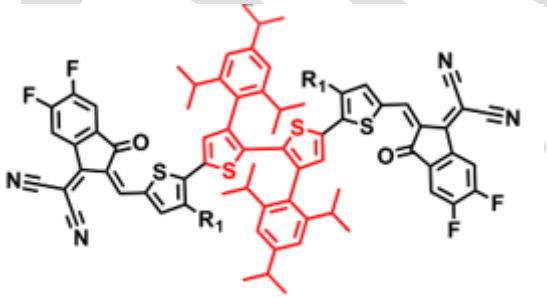
Organic Nano Electronic(ONE=1) Materials for these who understand quality

Technical Data Sheet

NFA:	A4T-16, Custom Made for Laboratory Research
Application:	Non-Fused Electron Acceptor for OPV
Chemical Name:	2,2'-((2Z,2'Z)-((3,3'''-bis(2-ethylhexyl)-3'',4'-bis(2,4,6-triisopropylphenyl)-[2,2':5',2'':5'',2'''- quaterthiophene]-5,5'''-diyl)bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile
Chemical Structure:	

R_1 = 2-ethylhexyl

Appearance:	Black solid
Molecular weight:	1438
Solubility:	Soluble in selected organic solvents
Reference:	https://doi.org/10.1038/s41467-021-25394-w
Remark:	15.2% = PCE from PBDB-TF:A4T-16 OPV device, and 1300 h under the simulated AM 1.5 G illumination (100 mW cm−2) (~84%).

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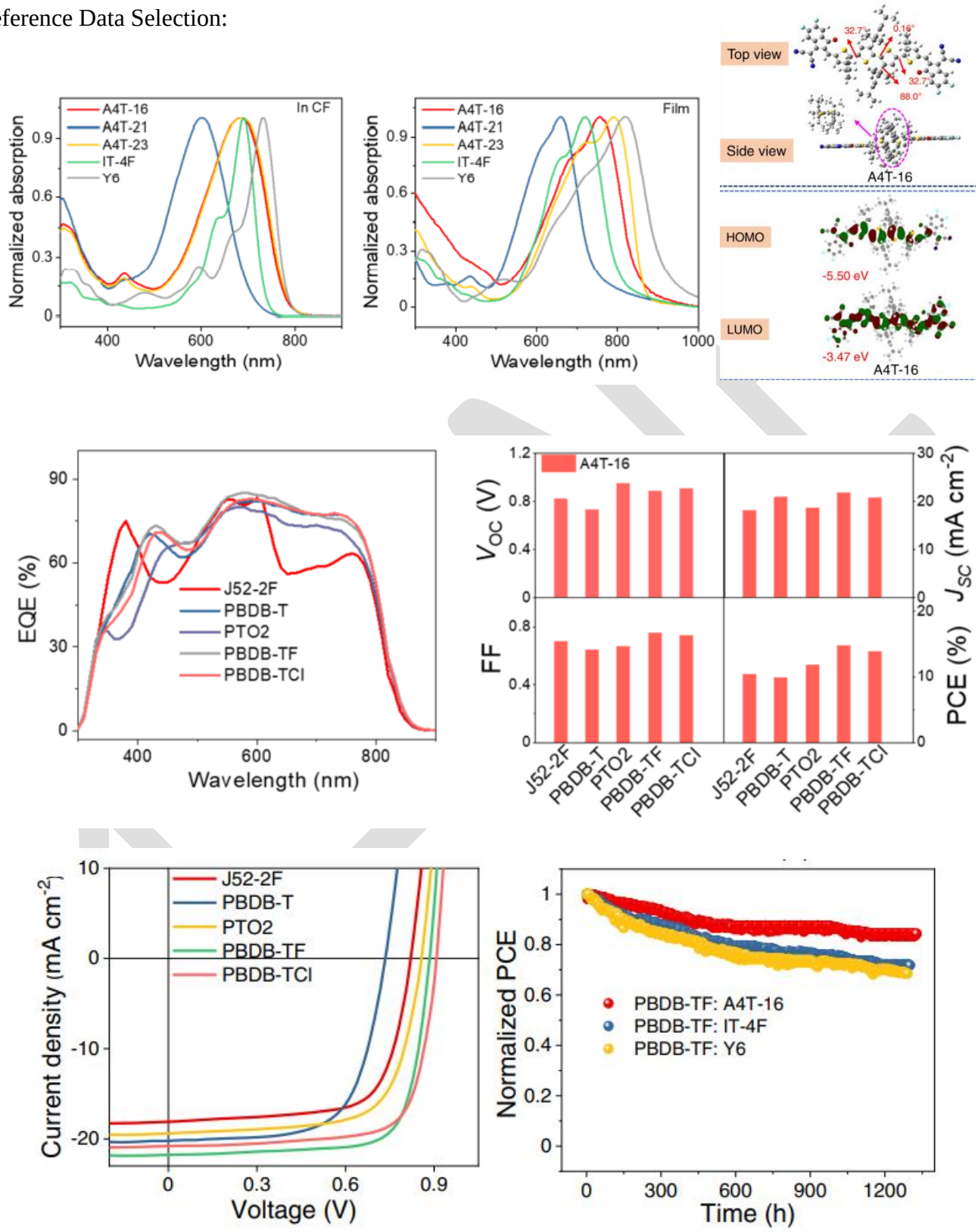
Non-Fused (electron) Acceptor_NFA

Reference Data Selection:



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