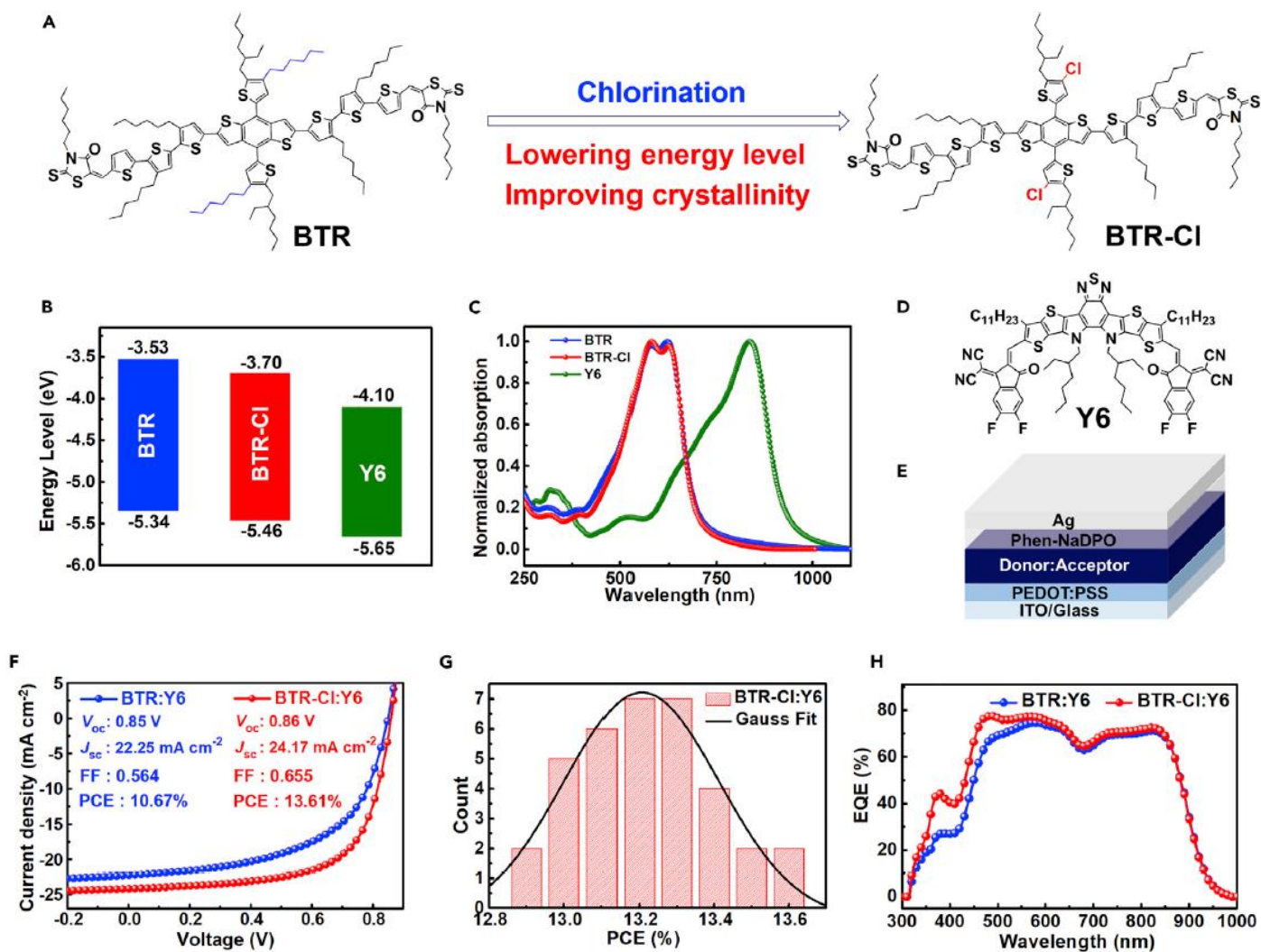


All-Small-Molecule Organic Solar Cells

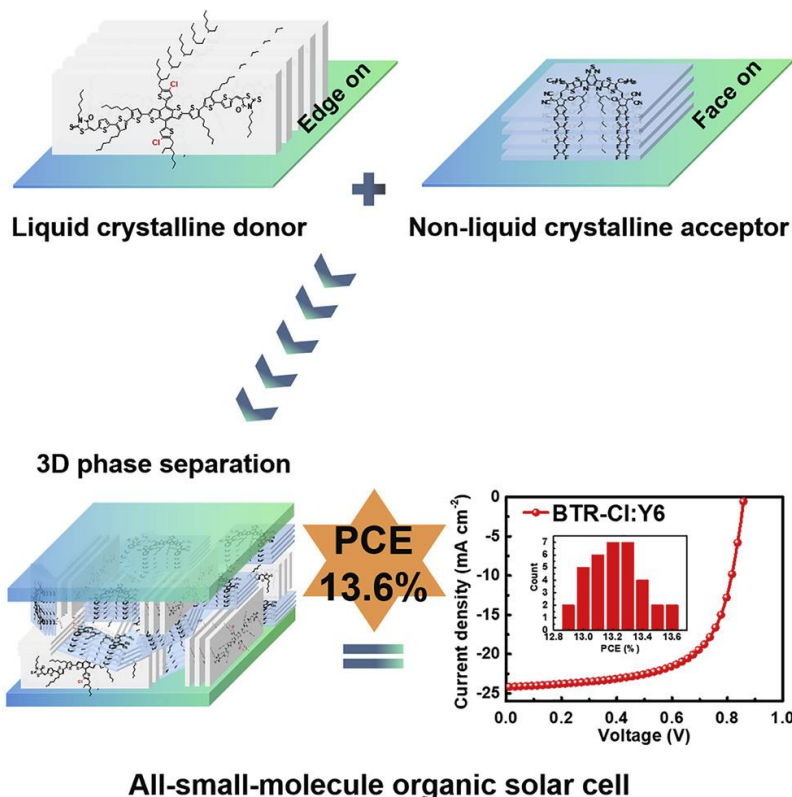
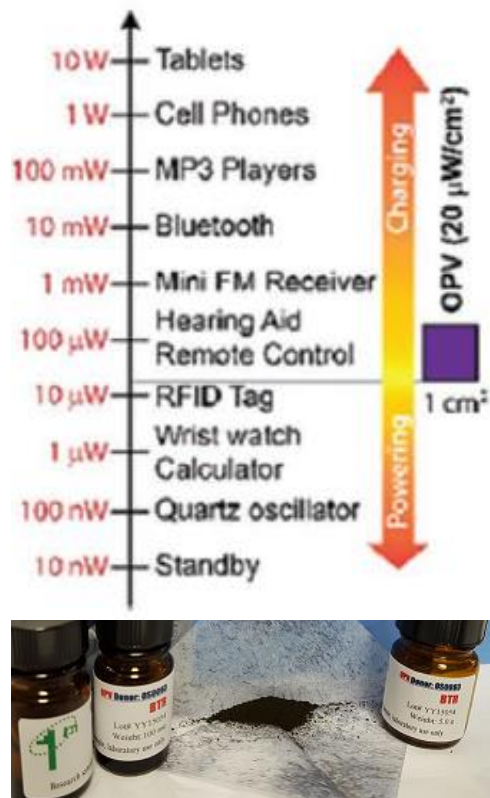
Organic Nano Electronic (ONE=I) Materials for these who understand quality

OPV news: A new small-molecule donor, namely BTR-Cl, which possesses a strong liquid crystalline property and high crystallinity, works well with the non-liquid crystalline acceptor Y6 and gives a record-high power conversion efficiency (PCE) of 13.6% in **single-junction all-small-molecule organic solar cells**.

Courtesy of reference: <https://doi.org/10.1016/j.joule.2019.09.009>



All-Small-Molecule Organic Solar Cells



Reproducibility matters, all listed materials are now custom reproduced for your further validations.

| Material listed | IM Code No. | CAS No. | Specification (note) |
|-----------------|--------------------|--------------|---------------------------|
| BTR-CI | OS0136 | | 99+% |
| BTR | OS0093 | 2041283-06-9 | 99+% |
| Y6 | PCE157 | 2304444-49-1 | 99+% |
| Phen-NaDPO | OS0387 | 1480371-38-7 | 98+% |
| PEDOT:PSS | HTL solar, HT0838/ | 1559090-83-8 | Also EL5105(scrree-print) |

Congratulation on the collaboration team from China, Korea and Singapore, not just another world record efficiency, but pave the way toward to a reproducible all small molecule OPV technology.