

Figure S1 Optimal PCE distribution histogram of the original dataset of reported PC₇₁BM-based ternary OSCs

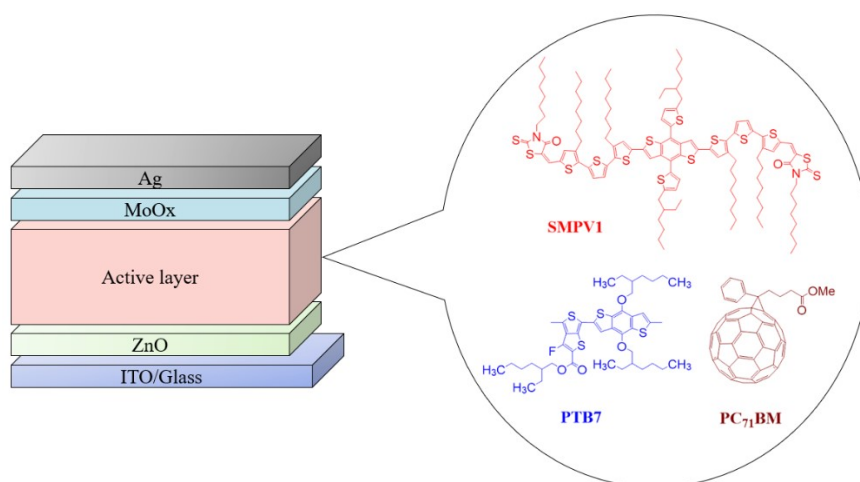


Figure S2 The chemical structures of SMPV1, PTB7 and PC₇₁BM and the structure diagram of devices.

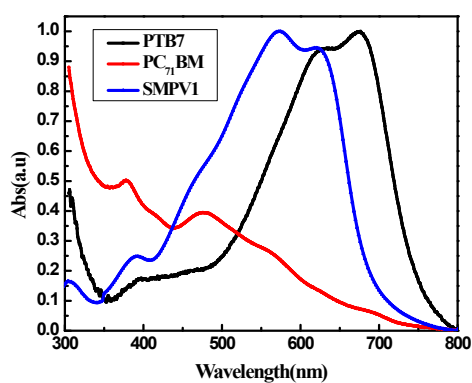


Figure S3 Absorption spectra of pure SMPV1, PTB7 and PC₇₁BM films.

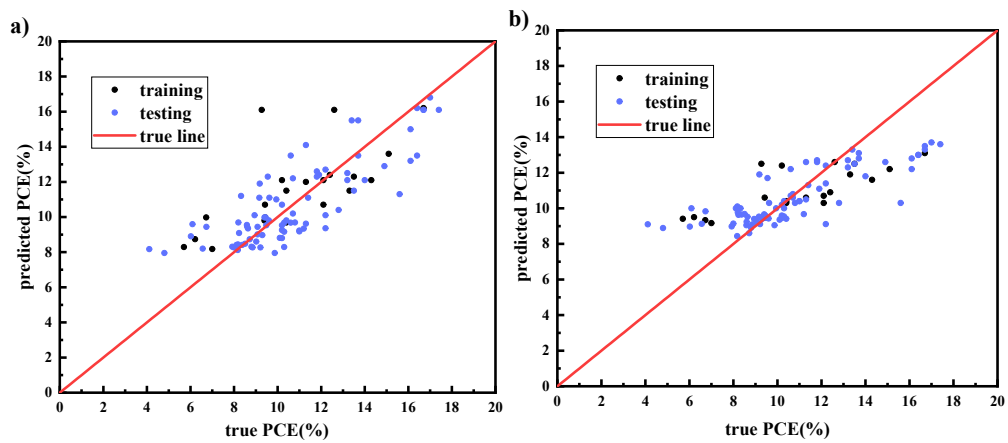


Figure S4 The plots of the relationship between the true PCE and the predicted PCE predicted by (a) KNN and (b) SVM