

Electronic Supplementary Information (ESI)

Blue AIE luminogens bearing methyl groups: different linkage position, different number of methyl groups, and different intramolecular conjugation

Jing Huang,^a Min Yang,^b Jie Yang,^a Runli Tang,^a Shanghui Ye,^{*b} Qianqian Li,^a Zhen Li^{*a}

^a Department of Chemistry, Hubei Key Lab on Organic and Polymeric Opto-Electronic Materials, Wuhan University, Wuhan 430072, China. Fax and Tel: 86-27-68755363; E-mail: lizhen@whu.edu.cn or lichemlab@163.com.

^b Key Laboratory for Organic Electronics & Information Displays (KLOEID) and Institute of Advanced Materials (IAM), Nanjing University of Posts & Telecommunications, Nanjing 210046, China. E-mail: yeshh@iccas.ac.cn

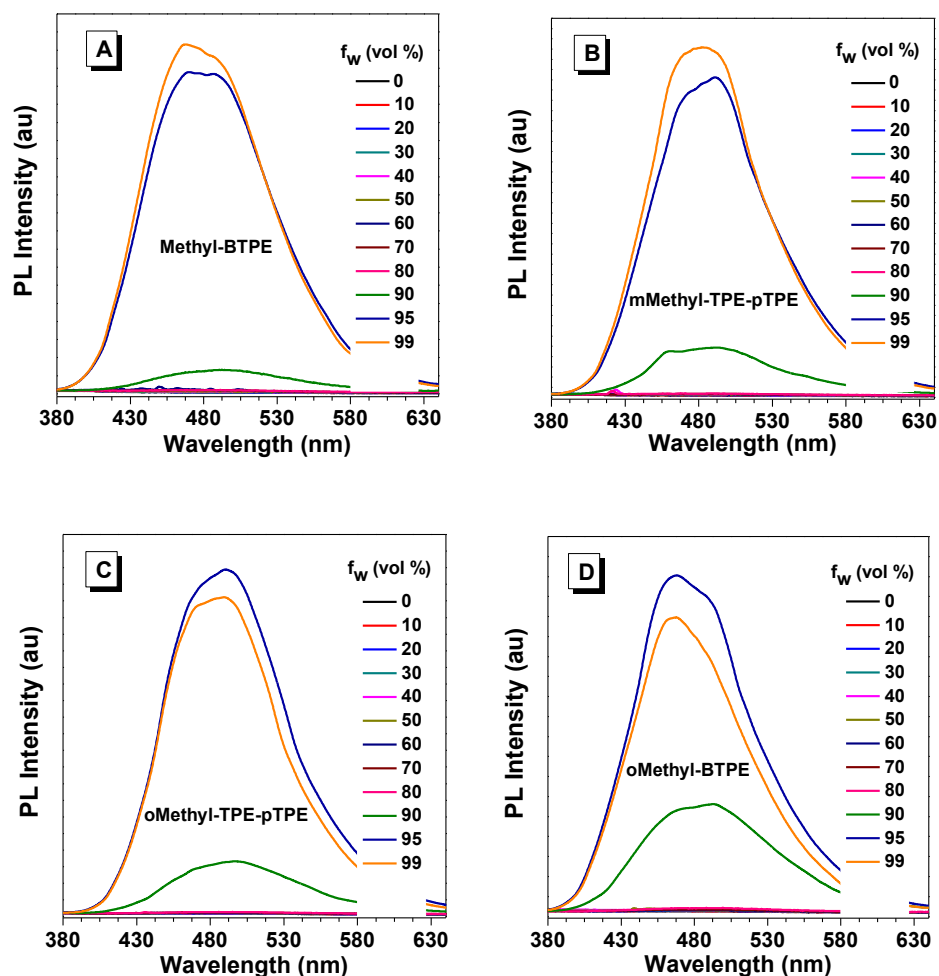


Figure S1. PL spectra of Methyl-BTPE (A), *m*MethylTPE-*p*TPE (B), *o*MethylTPE-*p*TPE (C) and *o*Methyl-BTPE (D) in THF/H₂O mixtures with different water fractions. Concentration ($\sim 10 \mu\text{M}$); excitation wavelength (nm): 330.

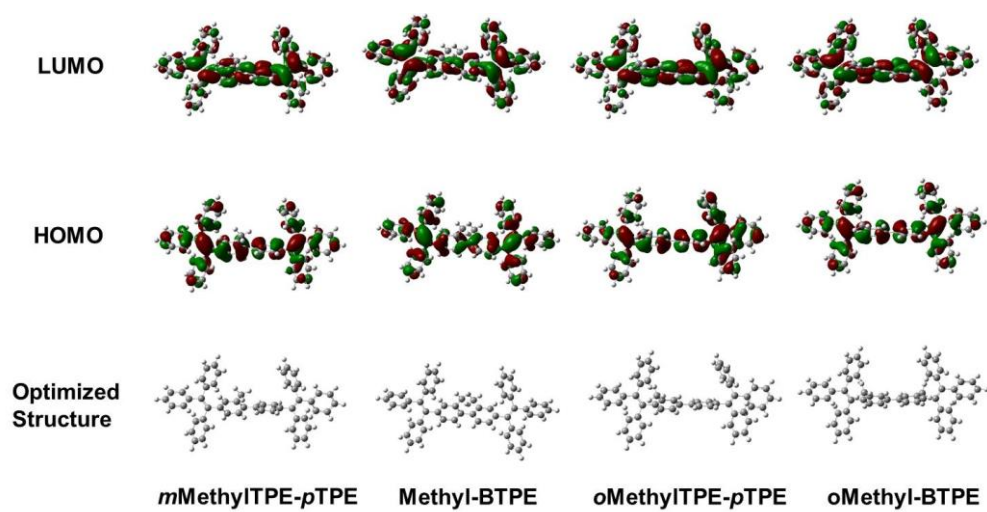


Figure S2. Calculated molecular orbital amplitude plots of HOMO and LUMO levels and optimized molecular structures of Methyl-BTPE, *m*MethylTPE-*p*TPE, *o*Methyl-BTPE and *o*MethylTPE-*p*TPE.