Electronic Supplementary Information

Simple One-Pot Synthesis and High-Resolution Patterning of Perovskite Quantum Dots Using Photocurable Ligand

Byeong M. Oh,[a,+] Yong-Cheol Joung,[b,c+], Jian Zheng,[a,d+], Na Young Cho,[a] Myeongkwan Song,[b,*] Jin Woo Choi,[b,*] Jong H. Kim[a,*]

[+]These authors contributed equally to this work.

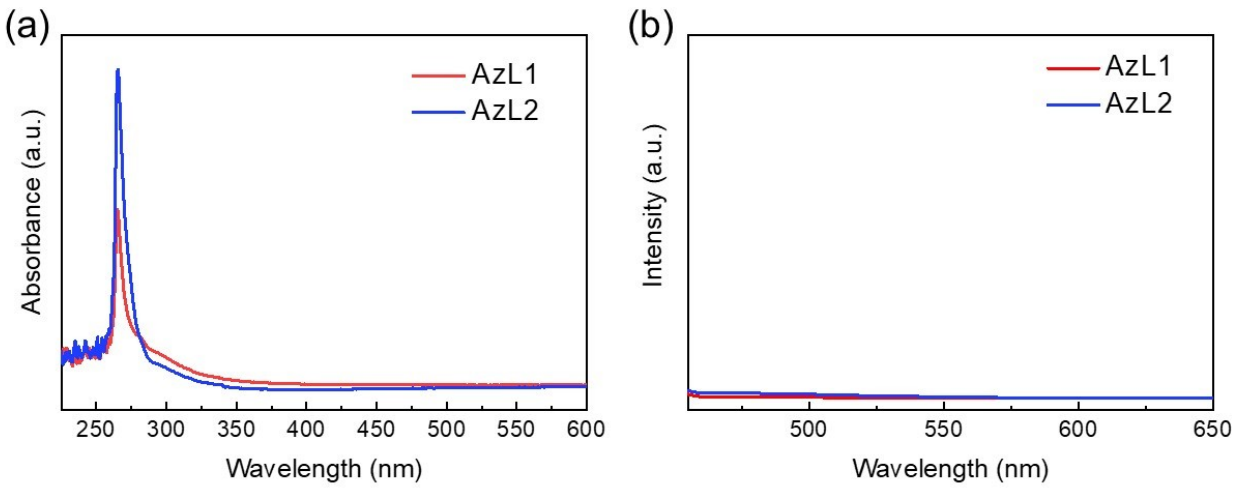

Figure S1. (a) UV-Vis and (b) PL spectra of AzL1 and AzL2.

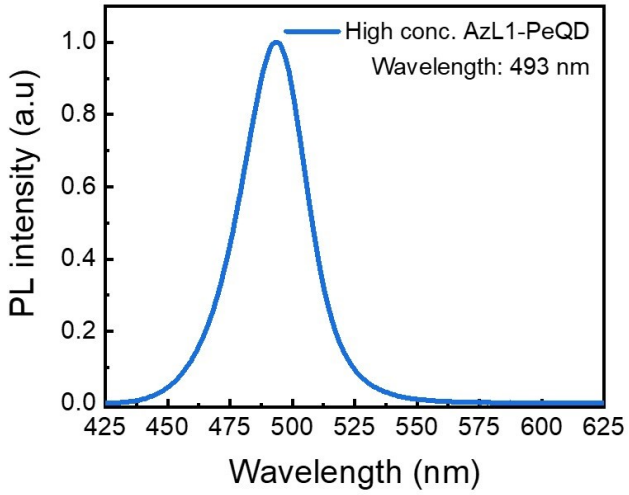

Figure S2. PL spectrum of AzL1-PeQD prepared with high concentration AzL1

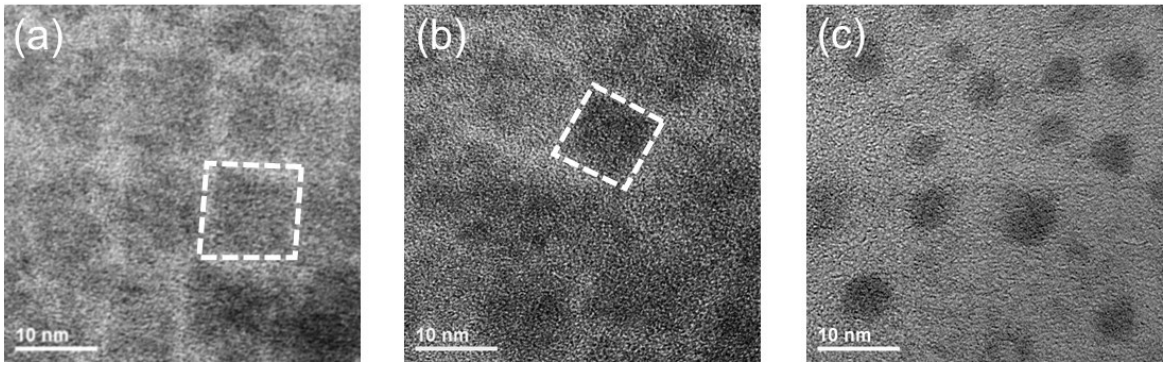

Figure S3. TEM images for (a) pristine PeQD, (b) AzL1-exchanged, and (c) excessive amount of AzL1-exchanged PeQDs

Table S1. PLQY for UV-treated pristine PeQDs, AzL1-, and AzL2-PeQDs before and after solvent washing.

	UV-treated pristine PeQDs	UV-treated AzL1-PeQDs	UV-treated AzL2-PeQDs
Before Solvent Washing	61	60	53
After Solvent Washing	< 2	60	< 5

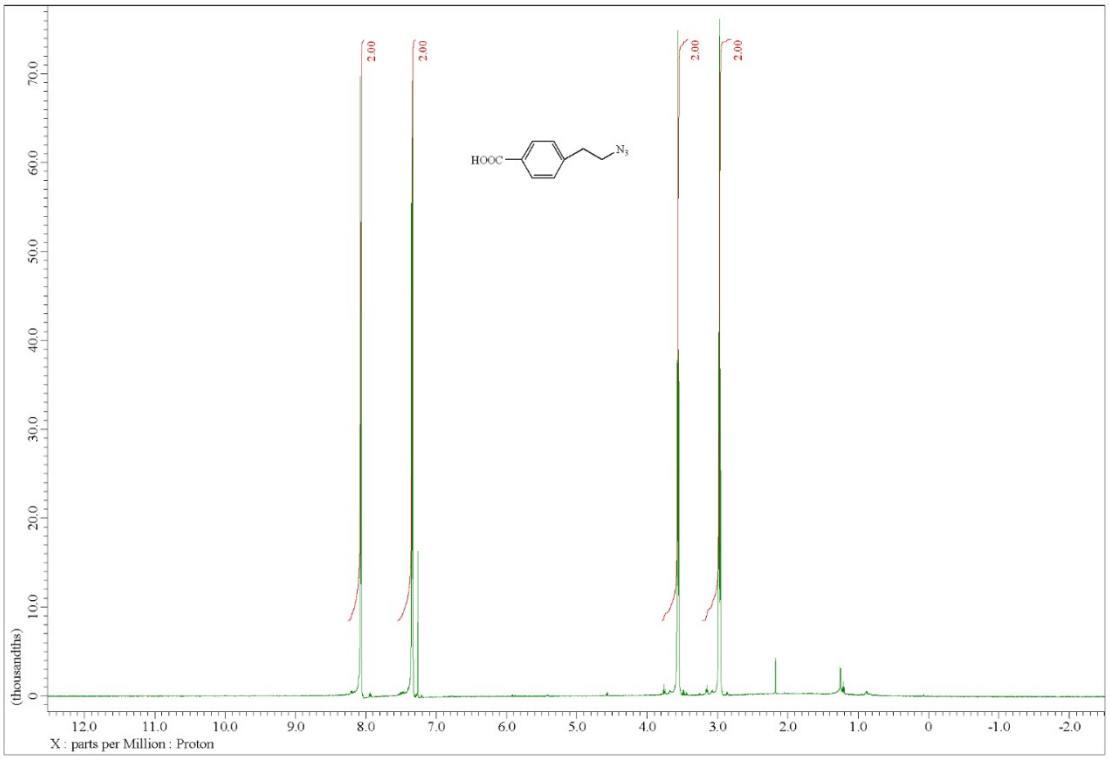

Figure S4. NMR spectrum of synthesized AzL1

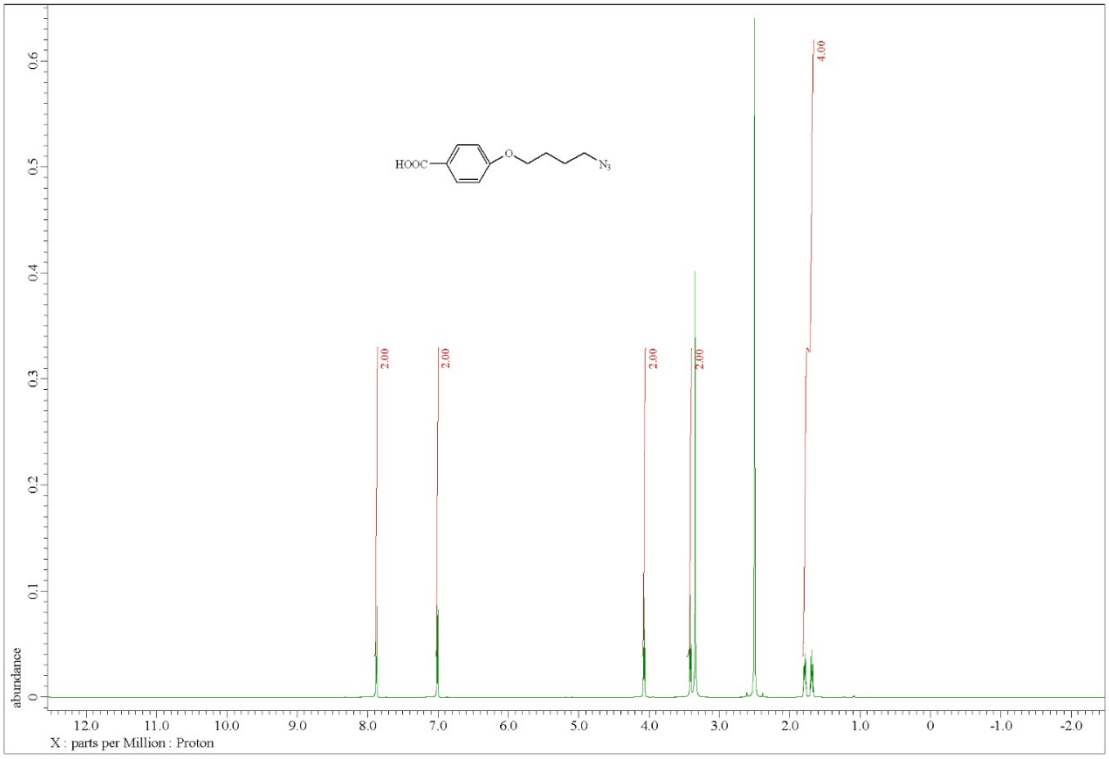

Figure S5. NMR spectrum of synthesized AzL2.