

-Supporting Information-

Luminescent Photonic Crystals with Multi-functionality and Tunability

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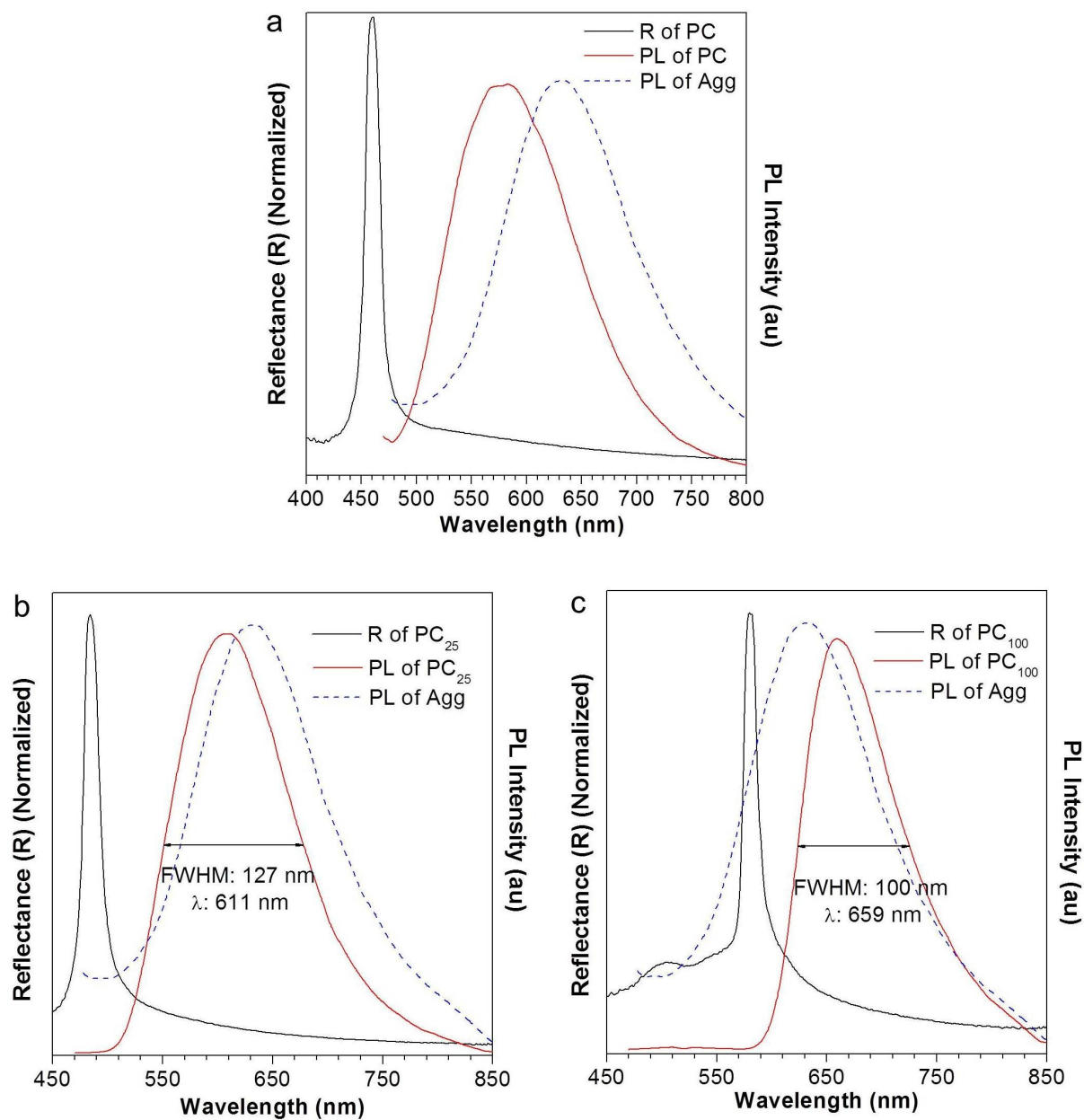
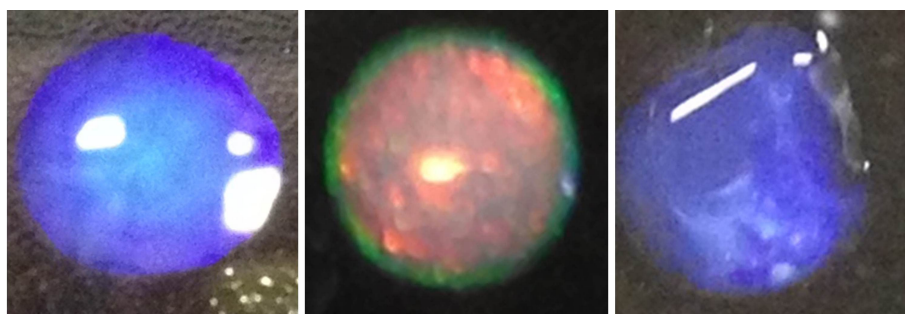


Figure S1. The fluorescence spectra of AIE1 NFTPE (blue) dissolved in THF : H₂O = 1:9 solution, complemented with the fluorescence (red) and reflection spectra (black) of the NFTPE/PMMA photonic crystal with adding different amounts of water: (a) 0 μ L, (b) 25 μ L, and (c) 100 μ L, respectively.



before adding water

after adding water

after centrifugation

Figure S2. Photographs of NFTEP/PMMA PC before adding water (left), after adding water (middle), and after centrifugation (right), respectively.

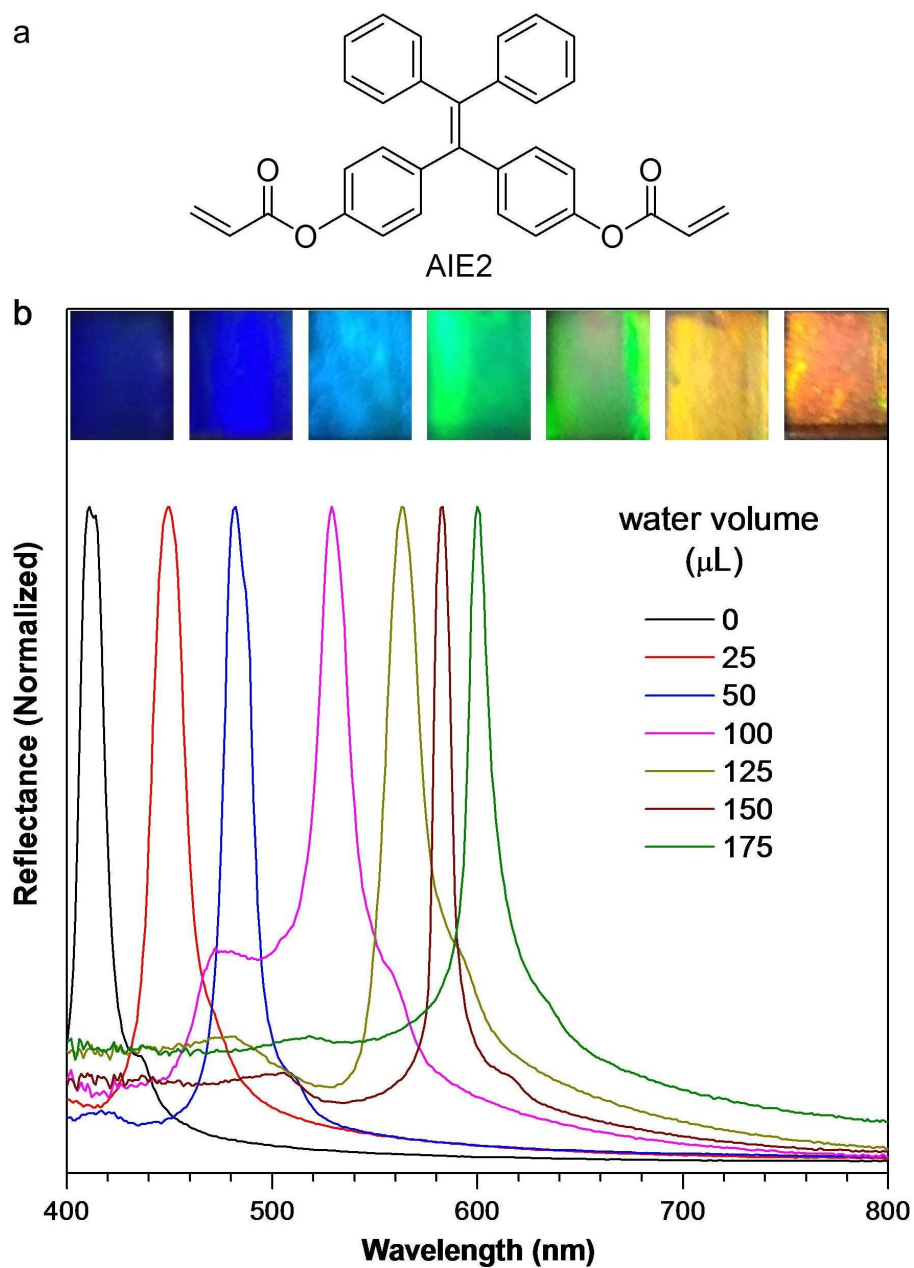


Figure S3. (a) Molecular structure of AIE2. (b) Photographs (inset) and corresponding reflection spectra of the AIE2/PMMA photonic crystal hydrogel with adding different amounts of water: 0, 25, 50, 100, 125, 150, and 175 μL (by volume), respectively. The color changed from violet, blue, sky blue, green, yellow-green, yellow, to red, respectively.