

Supplementary Information

A Hydrophobic Polymer Stabilized CsPbBr₃ Sensor for Environmental Pollutant Detection

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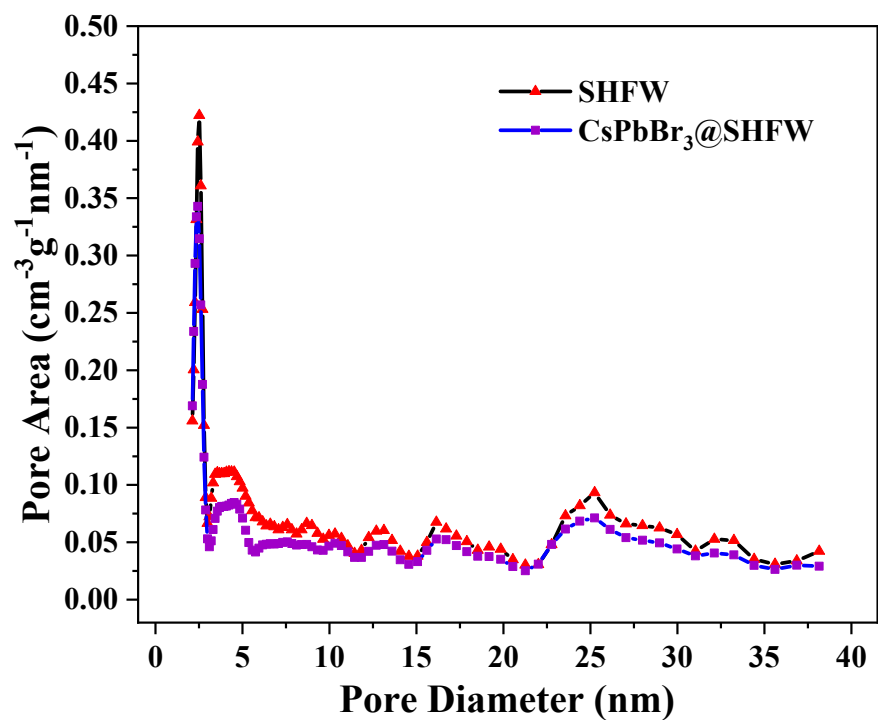


Figure S1. The corresponding pore diameter distribution plots of SHFW and CsPbBr₃@SHFW.

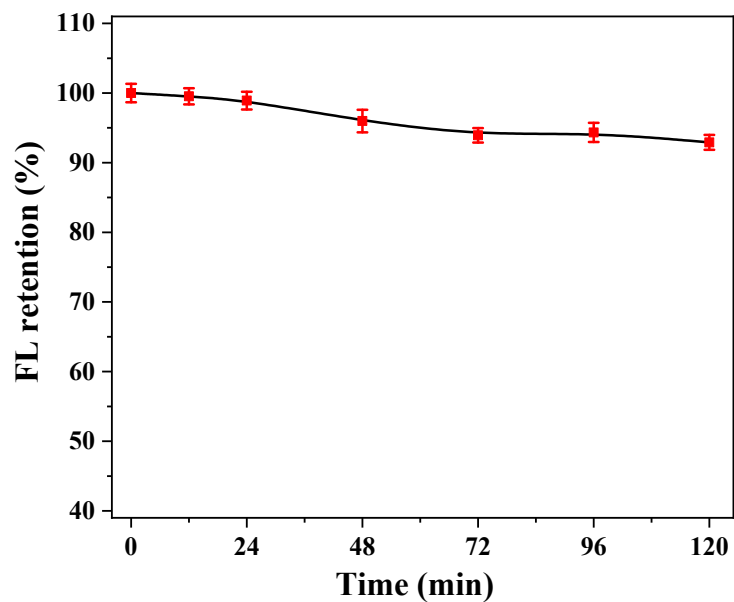


Figure S2. The fluorescence stability of CsPbBr₃@SHFW within 120 min.

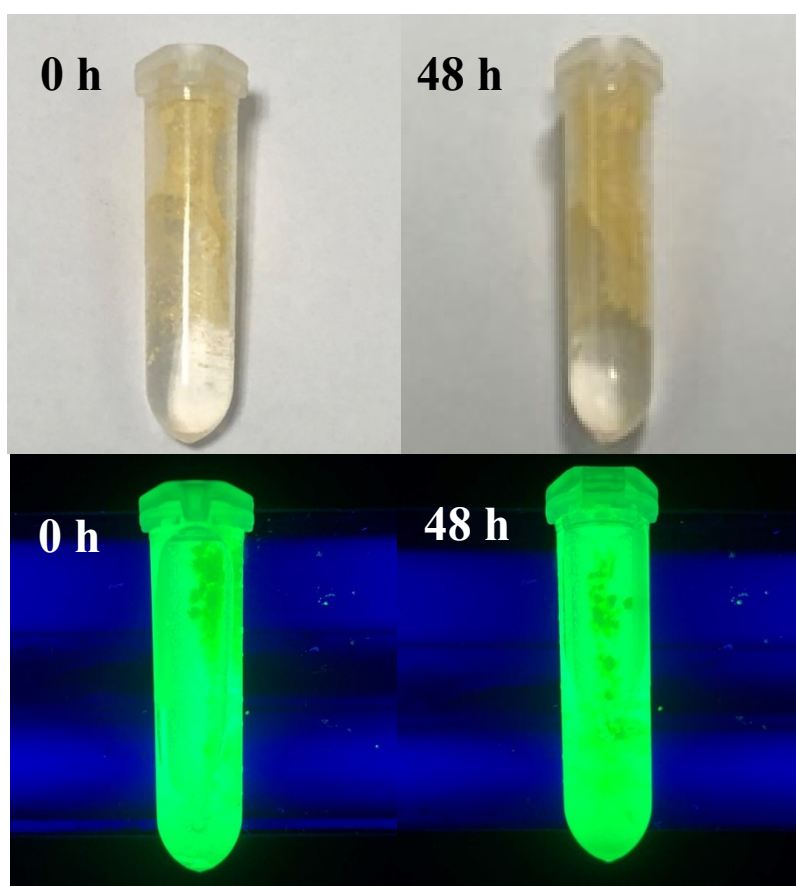


Figure S3. Photographs of CsPbBr₃@SHFW immersed in water under white light and 365 nm UV light, respectively

Table S1. BET surface area and pore volume of the SHFW and CsPbBr₃@SHFW.

	BET specific surface area (m ² /g)	Pore volume (cm ³ /g)	Pore size distribution (nm)
SHFW	724.450	1.150	2-38
CsPbBr ₃ @SHFW	500.959	0.895	2-38