Journal of Materials Chemistry C

Supporting Information

3D Printing of Shape Changing Composites for Constructing Flexible Paper-Based Photothermal Bilayer Actuator

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Figure S1. TGA curve of light-responsive shape changing materials with different weight ratio of MWCNTs to PLA.



Figure S2. Reversible switching of the deformation angle of bilayer actuator at light on and light off states.



Figure S3. (a) The deformation angle of the MWCNTs-PLA composite increases when subjected to near infrared irradiation and retains constant after turning off the light source. (b) The photograph of MWCNTs-PLA composite

Journal of Materials Chemistry C

Video S1. The light-triggered shape changing behavior of the 3D printed photoresponsive actuator by FDM.

Video S2. The light-triggered shape changing behavior of the 3D printed photoresponsive flower by FDM.