

Supplementary Materials: Selective Passivation of Three-Dimensional Carbon Microelectrodes by Polydopamine Electrodeposition and Local Laser Ablation

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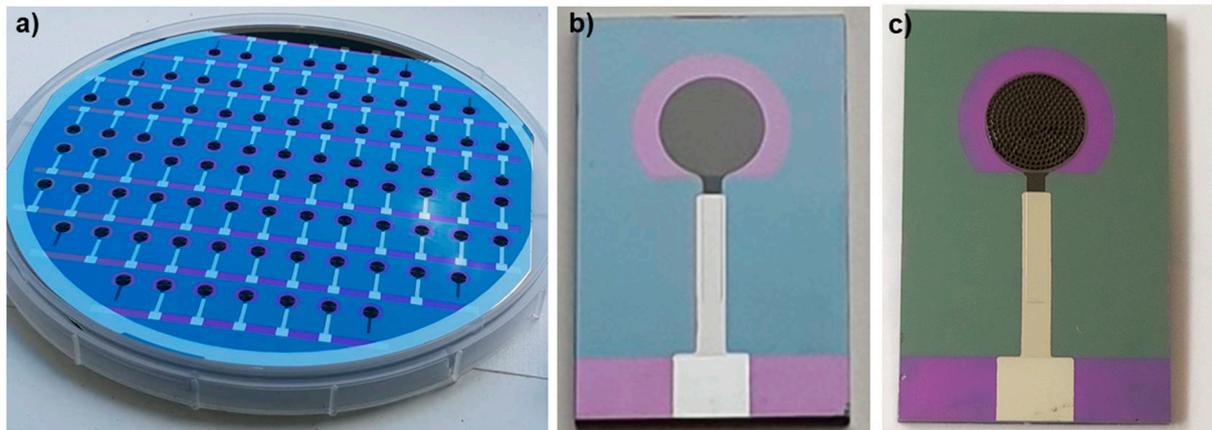


Figure S1. Photographs of (a) 6 inch wafer containing the 3D carbon micropillar electrodes; (b) 2D single chip and (c) 3D single chip with 12.6 mm² footprint area containing the 284 pyrolytic carbon micropillars.

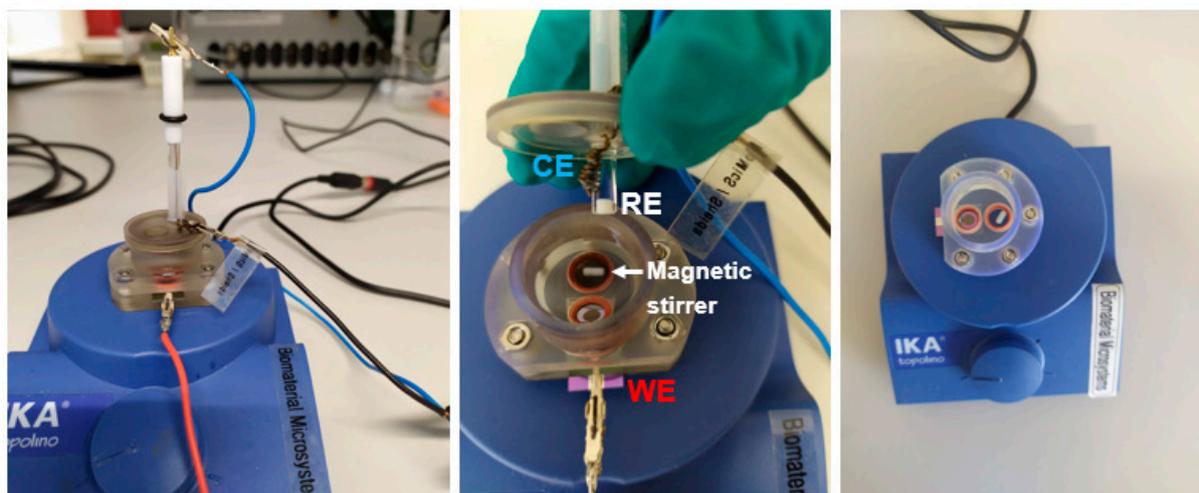


Figure S2. Top and side view photographs of the custom-made electrochemical cell with three electrodes arrangement. RE: reference electrode; CE: counter electrode; WE: working electrode.

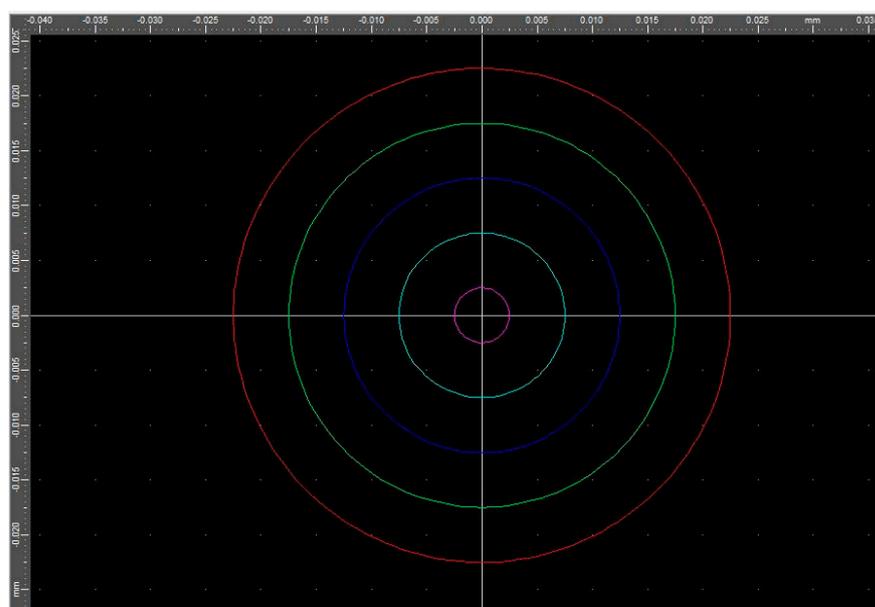


Figure S3. Schematic illustration of the laser pattern utilized for removing the PDA coating layer from the tip of a micropillar.