

A Facile Approach to Superhydrophobic Coating from Direct Polymerization of “Super Glue”

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To prove that the LM was formed prior to the LMN, the protocol of producing superhydrophobic PECA coating was repeated. After the surface of the ECA film turned white, the solidified surface layer was immediately peeled off by a scalpel. Fig. S1 shows microfibers were formed and no nanofibers were obtained which was consistent with our deduction. The heaves on the microfibers may come from the residue of ECA polymerized on the peeled off layer.

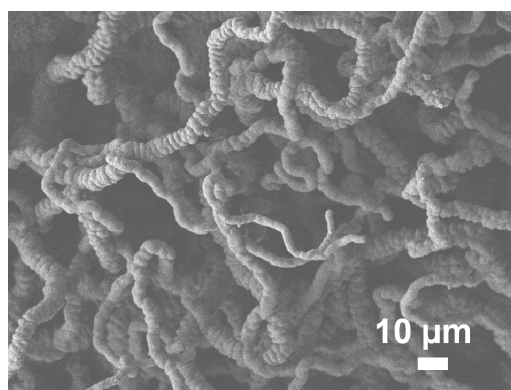


Fig. S1 SEM photo of the PECA surface peeled off from the ECA film immediately after the surface turned white during the process of fabricating superhydrophobic coating.

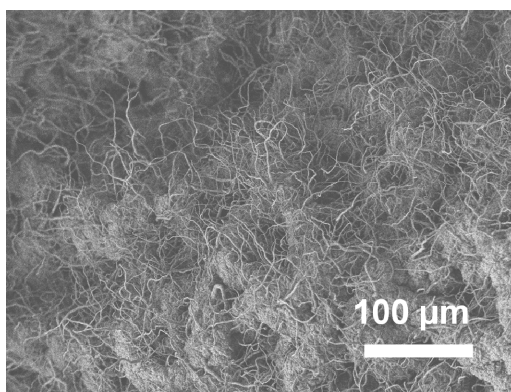


Fig. S2 SEM photo of the PECA coating after the tape test showing the surface is still covered with micro and nanofibers.