Supplementary Materials: Polyvinyl Alcohol-Few Layer Graphene Composite Films Prepared from Aqueous Colloids. Investigations of Mechanical, Conductive and Gas Barrier Properties

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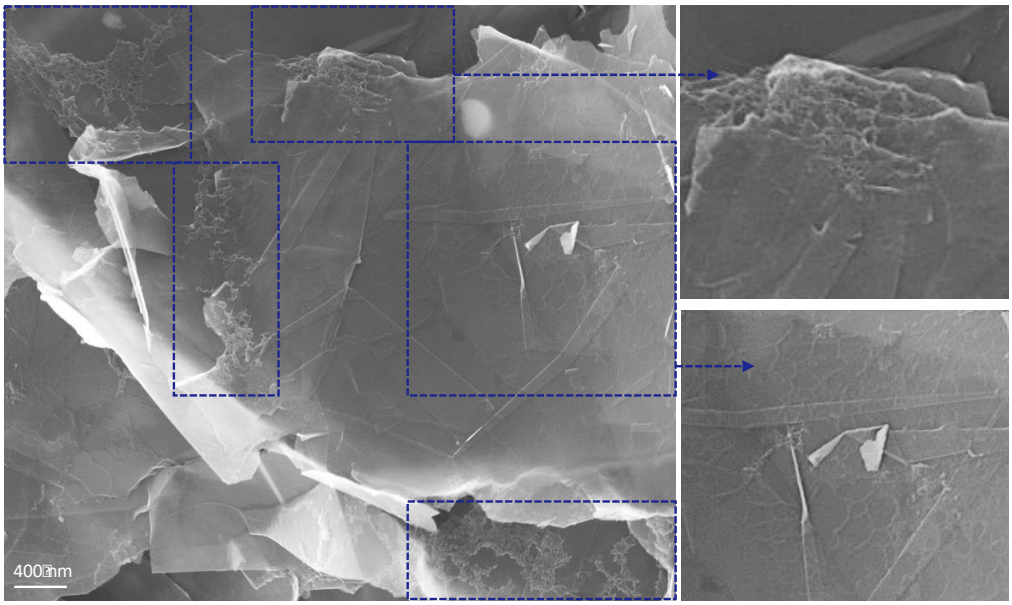

Figure S1. SEM micrograph of FLG flakes' aggregate with visible BSA chains adsorbed over the surface (right down) and the edges (right top) of the flakes.

Figure S2. Optical image of PVA film with peculiar wavy network aspect.

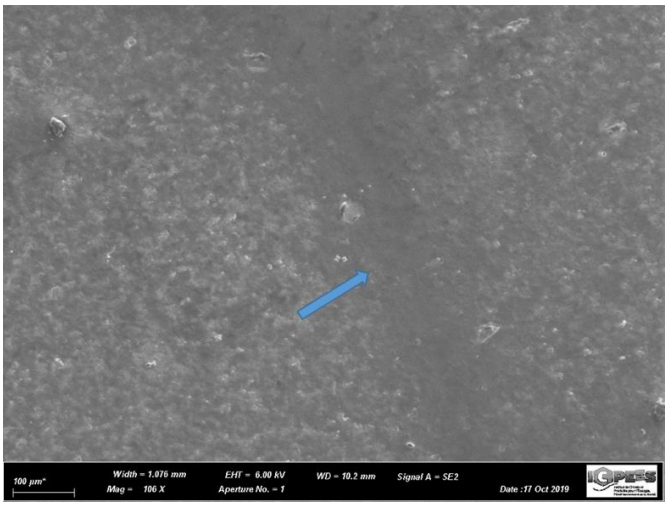

Figure S3. SEM micrograph of the surface of PVA-FLG film containing macroscopic network of FLG. One can see, indicated by the arrow, one of the branches from the network filled with FLG flakes.