

***In situ* growth of the Rh nanoparticles with controlled sizes and dispersions on the cross-linked PVA/PEI nanofibers and their electrocatalytic properties towards H₂O₂**

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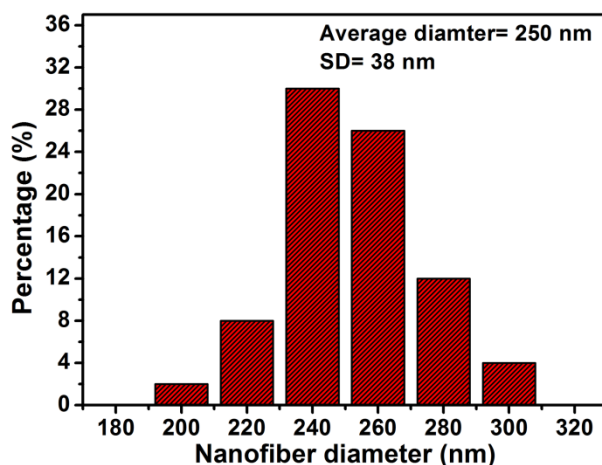


Figure S1 Diameter distribution diagram of the PVA/GA nanofibers.

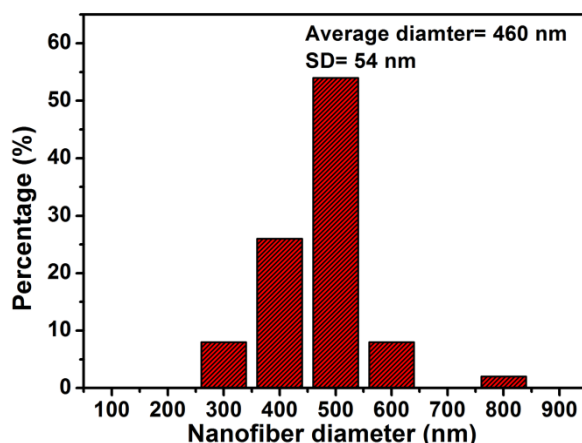


Figure S2 Diameter distribution diagram of the cross-linked PVA nanofibers via GA vapor.

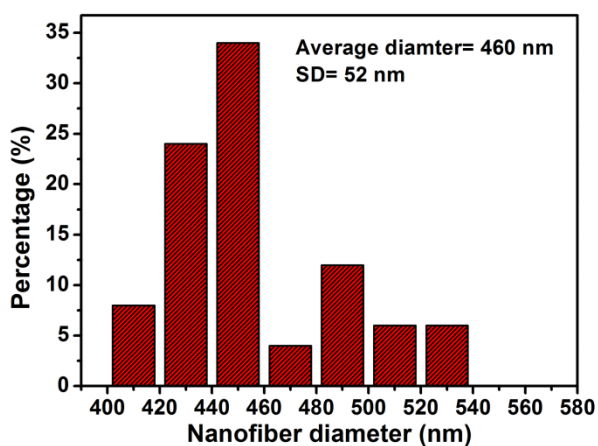


Figure S3 Diameter distribution diagram of the cross-linked PVA/PEI nanofibers via GA vapor.

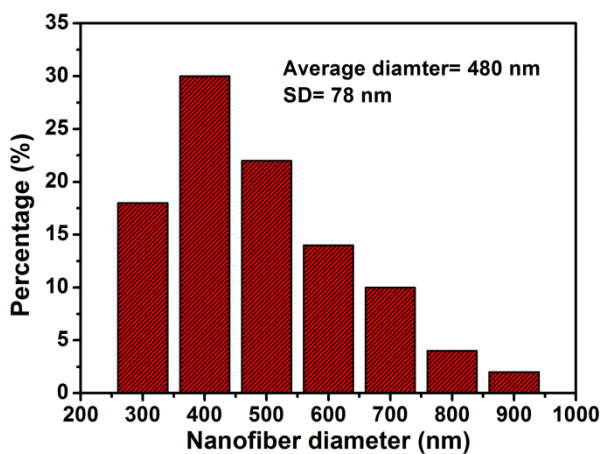


Figure S4 Diameter distribution diagram of the cross-linked PVA/PEI nanofibers via GA vapor after soaking in water for 72 h.

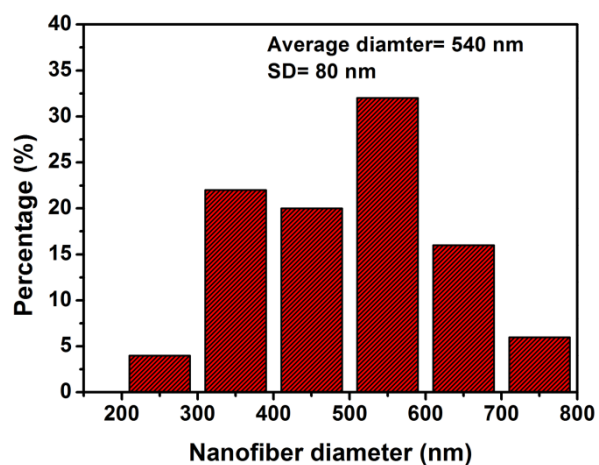


Figure S5 Diameter distribution diagram of the RhNPs/(PVA/PEI) nanofibers.

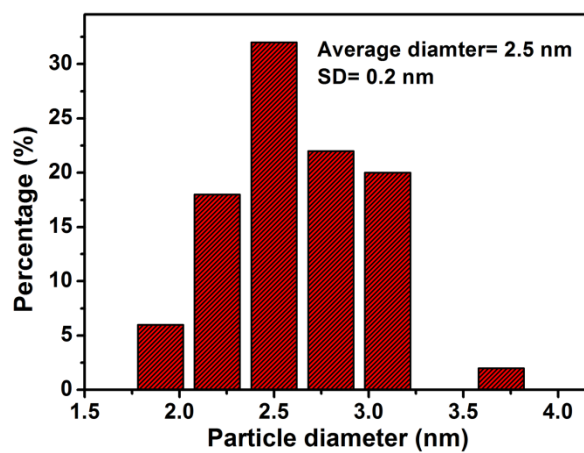


Figure S6 Diameter distribution diagram of the RhNPs grown on the PVA/PEI nanofibers.

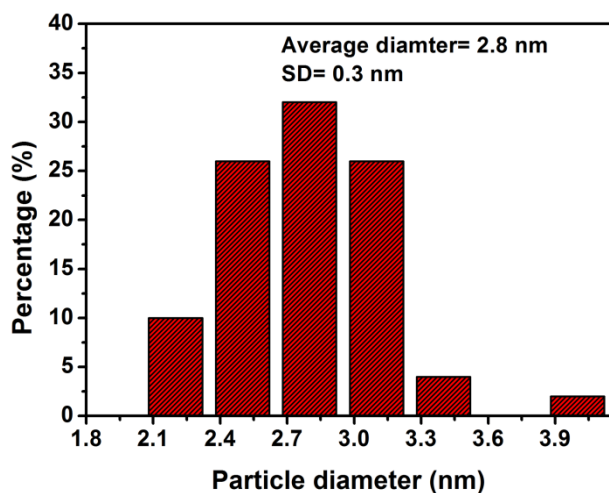


Figure S7 Diameter distribution diagram of the pre-synthesized RhNPs in water.

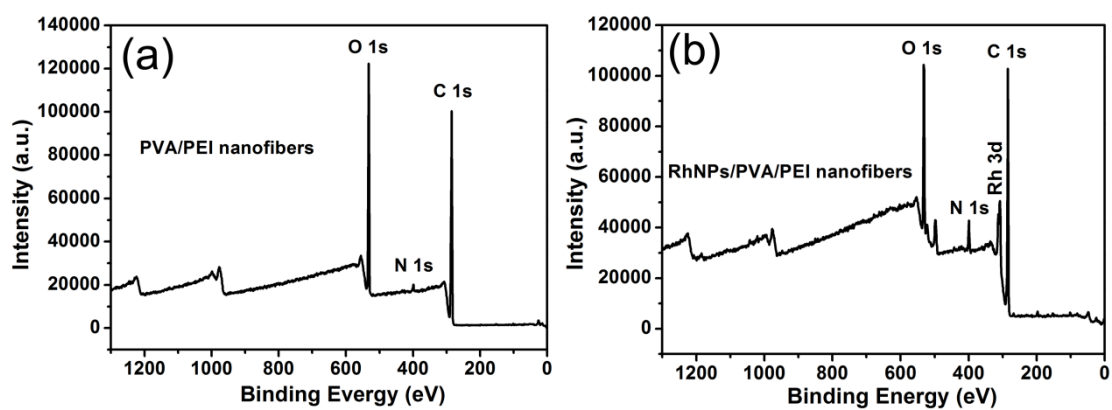


Figure S8 XPS spectra of the cross-linked PVA/PEI and RhNPs/(PVA/PEI) nanofibrous mats