

Supporting Information

Three dimensional, macroporous hybrid of polyoxometalate and reduced graphene oxide with enhanced catalysis for stable and sensitive nonenzymatic detection of nitrite

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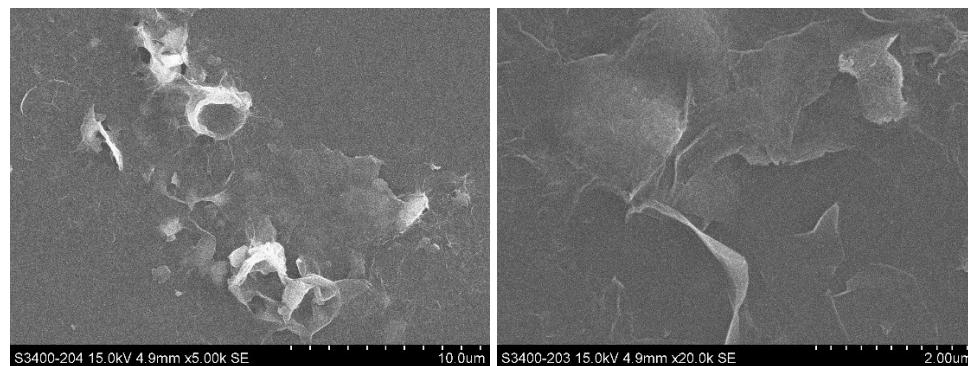


Fig. S1 SEM images of two-dimensional rGO supported POM hybrid (rGO-POM).

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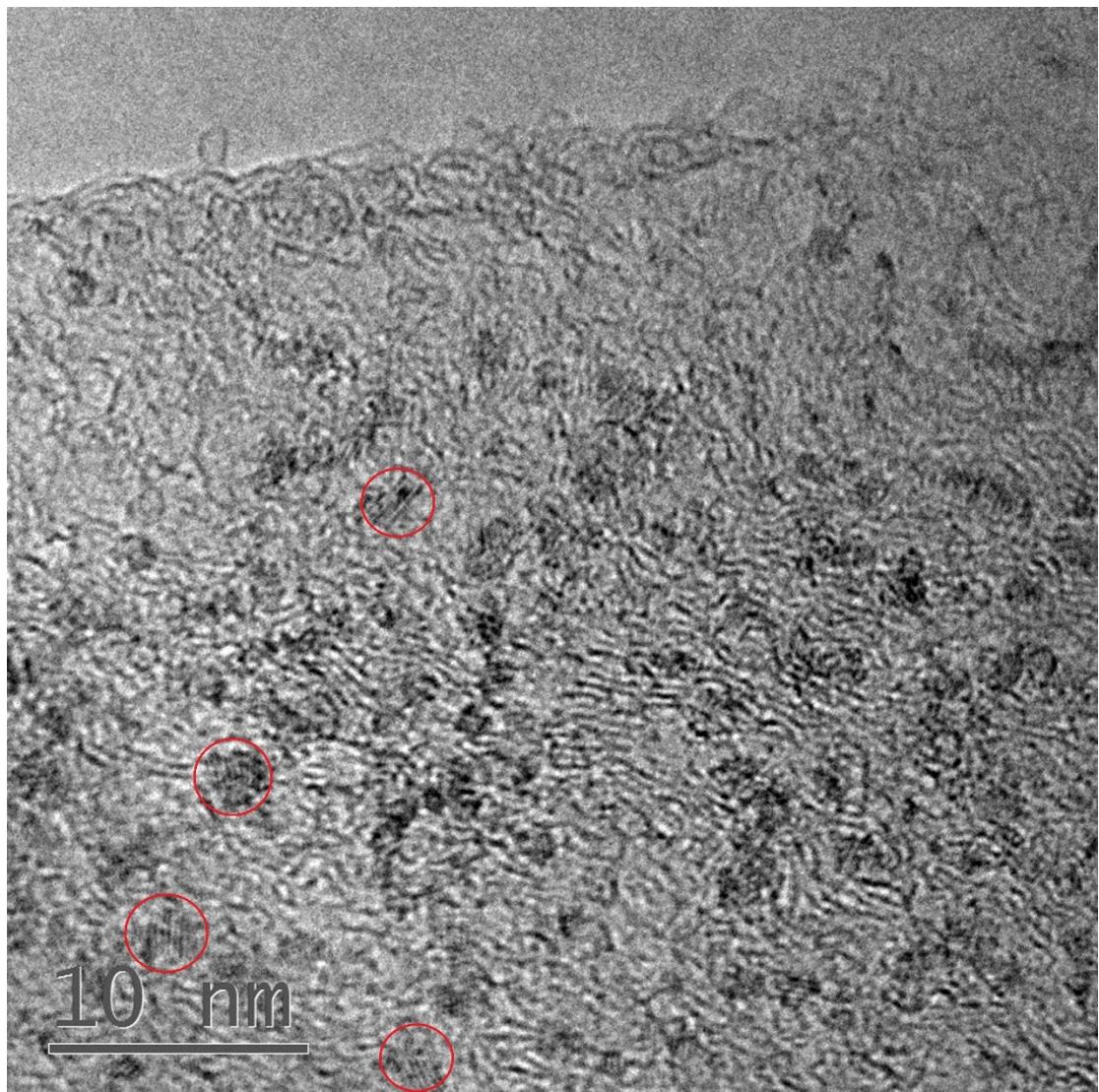


Fig. S2 HRTEM image of 3D-mp-rGO-POM.

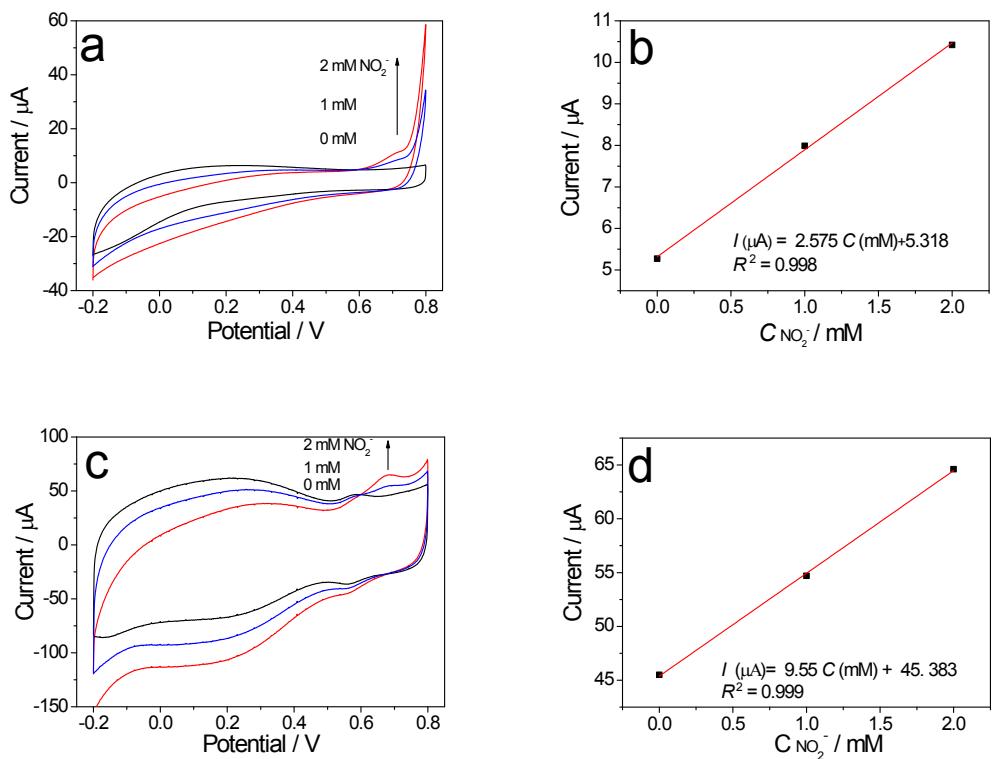


Fig. S3 CV responses of 0-2 mM of nitrite on rGO/GCE (a), or 3D-mp-rGO/GCE (c), and corresponding current versus concentration plot (b) for rGO/GCE, and (d) for 3D-mp-rGO/GCE.

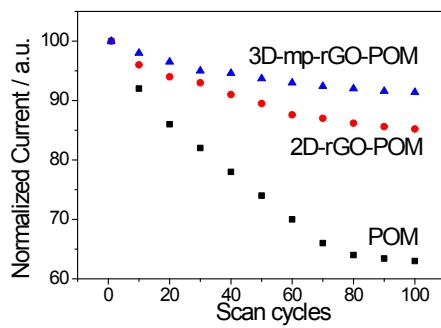


Fig. S4 Variation of peak current responses of POM on 3D-mp-rGO-POM/GCE, 2D-rGO-POM/GCE, and POM/GCE in 0.1 M H_2SO_4 electrolyte at different scanning cycles. The peak current has been normalized for comparison.