

Supporting Information

***In Situ* Synthesis of Permselective Zeolitic Imidazolate Framework-8/Graphene Oxide Composites: Rotating Disk Electrode and Langmuir Adsorption Isotherm**

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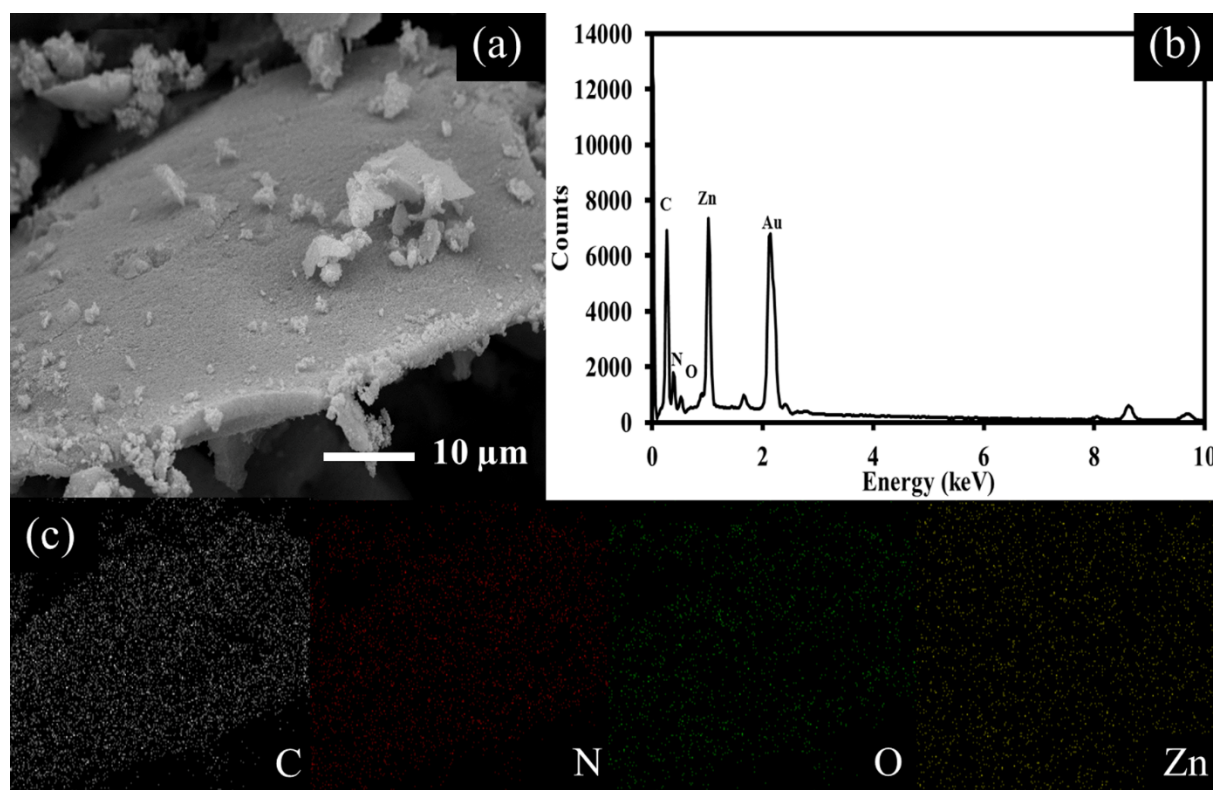


Figure S1. (a) FE-SEM image, (b) EDX spectrum, and (c) EDX mapping images of 2wt% GO/ZIF-8.

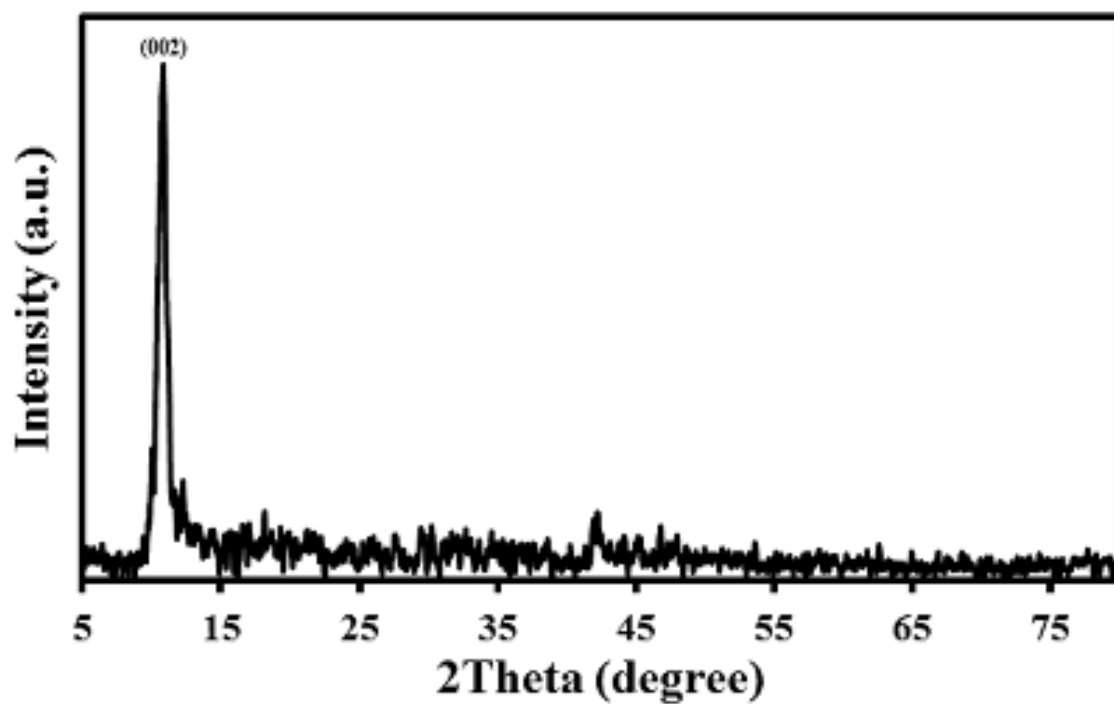


Figure S2. XRD pattern of the control GO produced by the same method as the composite with using ZIF-8 precursor.

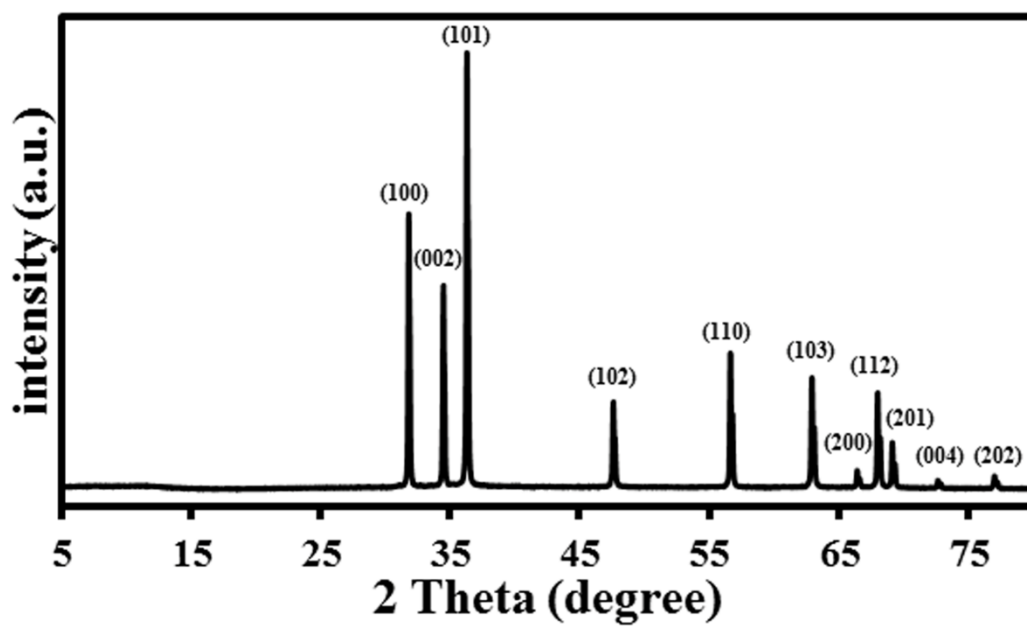


Figure S3. XRD pattern of ZnO produced by the calcination of ZIF-8 at 600 °C.

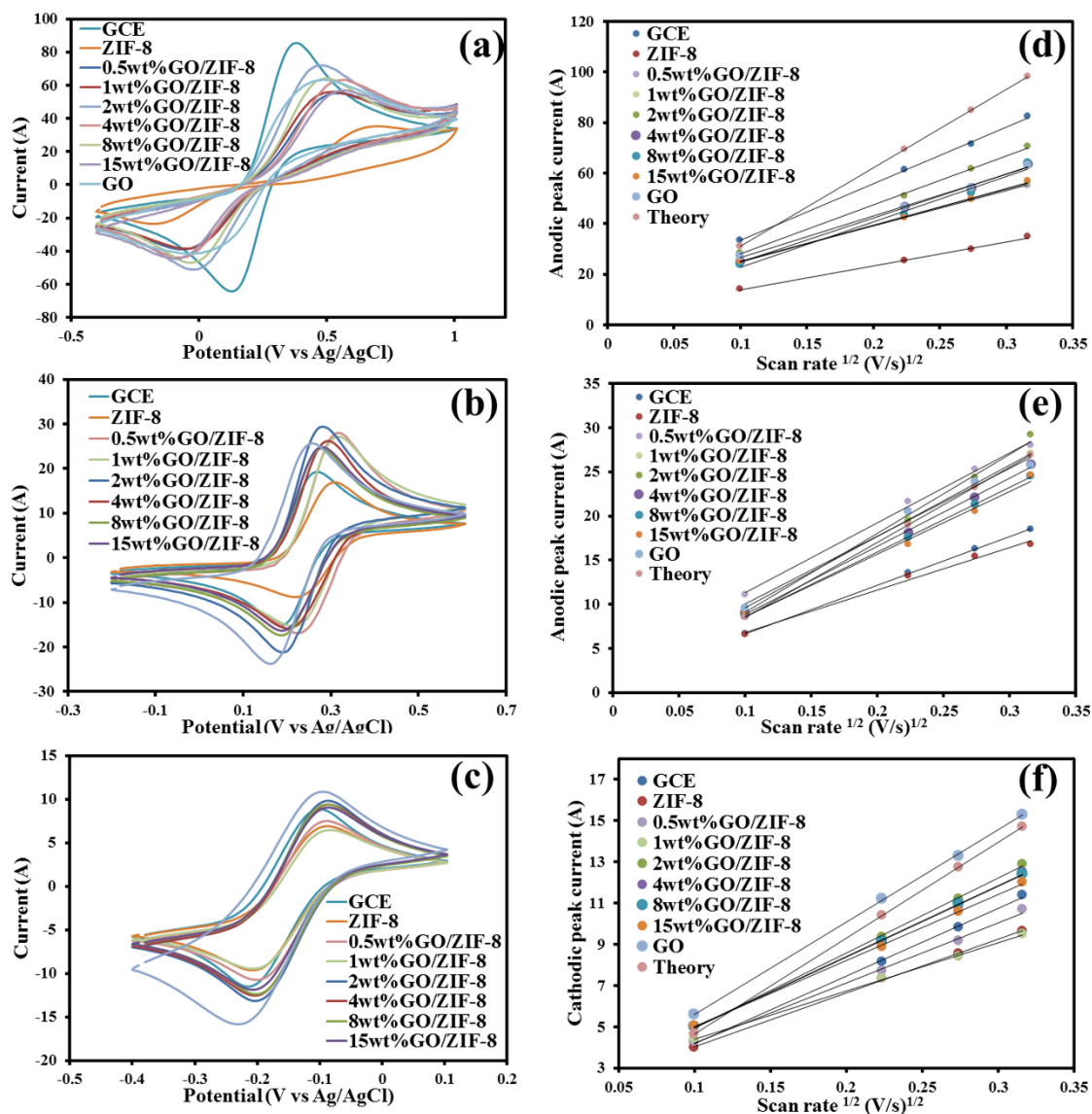


Figure S4. Cyclic voltammograms of GCE, ZIF-8, and the composites in (a) 6 mM $\text{Fe}(\text{CN})_6^{4-}$ in 0.1 M KCl, (b) 1.6 mM FcOH in 0.1 M KCl and (c) 1 mM $\text{Ru}(\text{NH}_3)_6^{3+}$ in 0.1 M KCl as well as Randles-Sevcik plots of the as-prepared electrodes in (d) 6 mM $\text{Fe}(\text{CN})_6^{4-}$ in 0.1 M KCl, (e) 1.6 mM FcOH in 0.1 M KCl and (f) 1 mM $\text{Ru}(\text{NH}_3)_6^{3+}$ in 0.1 M KCl.