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Supporting Information

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Synthesis of one dimensional Cu₂S nanorods using self-grown sacrificial template for electrocatalytic oxygen evolution reaction (OER)

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Figure S1: XRD patterns of Cu₂S/Cu samples prepared for different sulfurization time.

Figure S2: XRD patterns of Cu₂S/Cu samples prepared for different Na₂S concentration.

Figure S3: The FE-SEM images of Cu₂S/Cu samples prepared for different sulfurization time at 25kX magnification.

Figure S4: The FE-SEM images of Cu₂S/Cu samples prepared for different Na₂S concentration at 25kX magnification.

Figure S5: XRD pattern of Cu₂S/Cu after stability test.

Figure S6: LSV curves of Cu₂S/Cu samples prepared for different sulfurization time.

Figure S7: LSV curves of Cu₂S/Cu samples prepared for different Na₂S concentration.





Fig. S1







Fig. S3



Fig. S4



Fig. S5



Fig. S7



Fig. S8