

Electronic Supplementary Information:

Spinel Nickel Ferrite Nanoparticles Strongly Cross-linked with Multiwalled Carbon Nanotube as a Bi-efficient Electrocatalyst for the Oxygen Reduction and Oxygen Evolution

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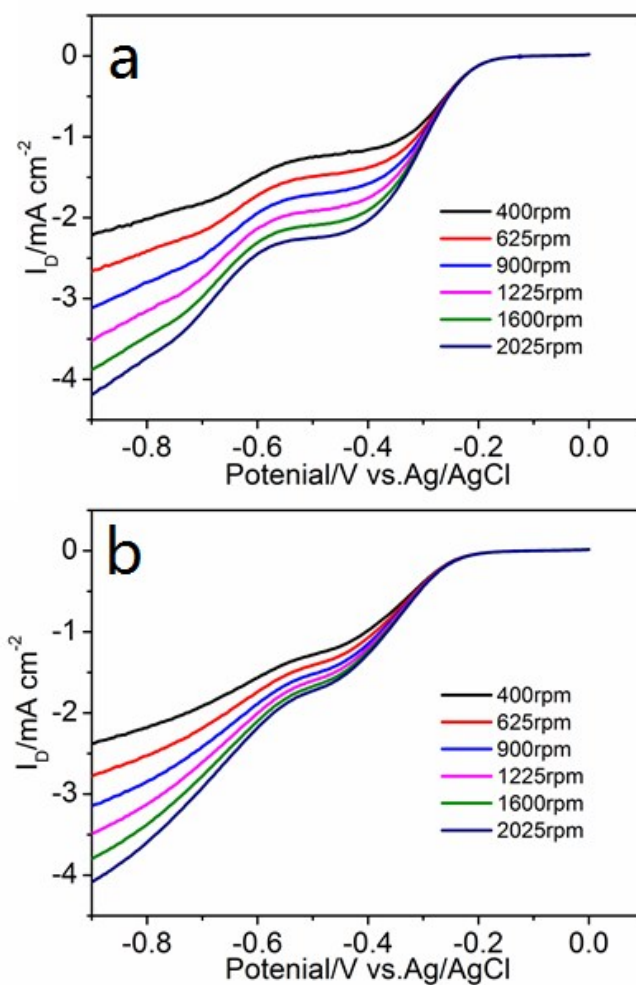


Fig. S1 LSVs for the ORR of MWCNT (a) and NiFe_2O_4 (b) at different rotation rates.

Table S1 Comparison of bifunctional electrocatalytic activities of NiFe₂O₄/MWCNT nanohybrid with other non-precious catalysts.

catalysts	reference electrode	onset potential	limit current density at 0.8V(mA cm ⁻²)	references
NiFe ₂ O ₄ /MWCNT	Ag/AgCl	0.42	24.5	this work
CoFe ₂ O ₄ /graphene	Ag/AgCl	0.54	13.6	1
CeFe ₂ O ₄ /biocarbon	Ag/AgCl	0.48	17.7	2
Co ₃ O ₄ /graphene	SCE	0.59	0.75	3
NiCo ₂ O ₄ /graphene	SCE	0.55	19.8	4

References for ESI:

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