

## Supporting Information

### Amorphous Fe/Co-based Tannic Acid Salts as a Robust Oxygen Evolution Pre-catalyst

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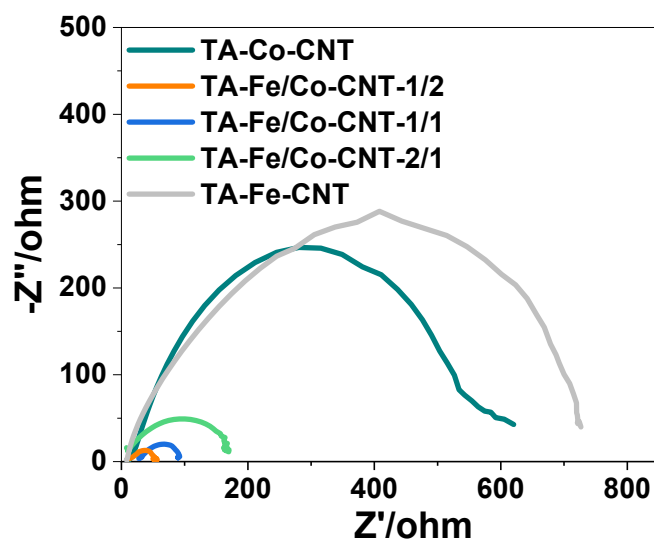
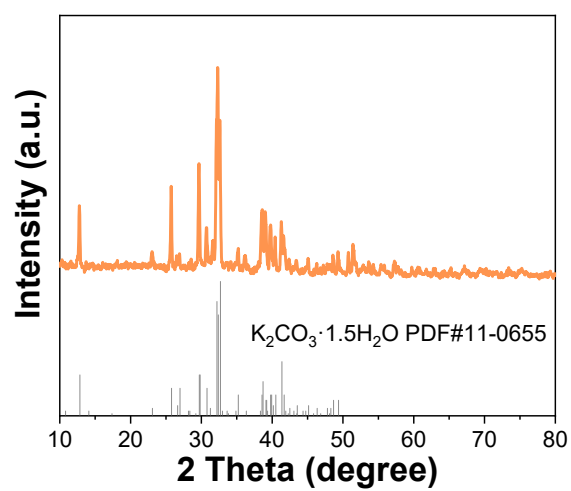
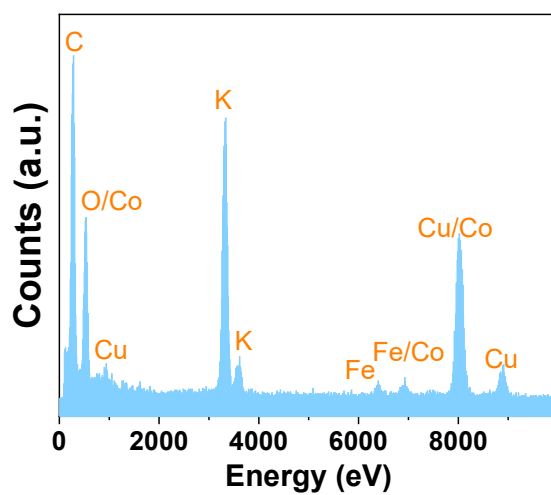


Fig. S1. Nyquist plots of the typical samples measured at 1.58 V (vs RHE).



**Fig. S2.** XRD pattern of the used catalyst, which only shows the presence  $K_2CO_3$  that comes from the electrolyte.



**Fig. S3.** EDS spectrum of the used catalyst, showing the presence of Cu, Fe, Co, C, O, and K elements.

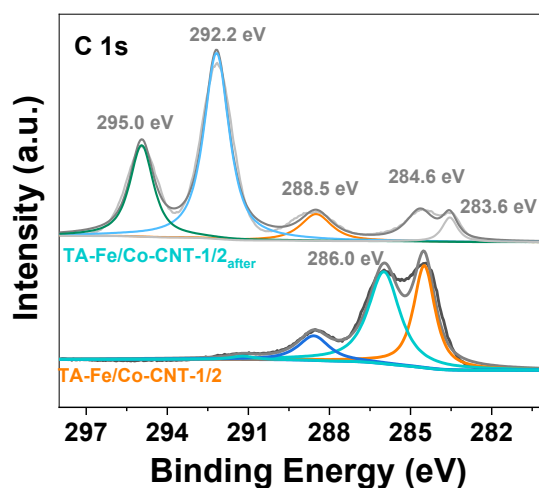


Fig. S4. XPS spectra of C 1s for the TA-Fe/Co-CNT-1/2 and TA-Fe/Co-CNT-1/2<sub>after</sub> products.

Table S1. Catalytic activity comparison of the catalysts.

Catalysts	Overpotential for 10 or 50 mA cm <sup>-2</sup> (mV)	Mass activity at overpotential of 350 mV (A g <sup>-1</sup> )	TOF values at overpotential of 350 mV (s <sup>-1</sup> )	Refs.
(NiFeCoMn) <sub>3</sub> S <sub>4</sub>	289/361	197.6	0.085	1
Fe <sub>0.5</sub> Co-P	260/360	90	0.068	2
F-Ni <sub>3</sub> S <sub>2</sub>	239/-	-	0.021	3
Cu <sub>3</sub> Mo <sub>2</sub> O <sub>9</sub> /NF	-/325	-	0.027	4
FeCoNiP	200/250	-	0.94	5
S, S'-CNT	350/425	45	1.67 × 10 <sup>-5</sup>	6
Pd <sub>180</sub>	240/360	560	0.2	7
CuCo <sub>2</sub> S <sub>4</sub>	310/-	26.9	0.269	8
FeS <sub>x</sub> @Co <sub>3</sub> S <sub>4</sub>	300/350	-	0.9	9
Co <sub>0.75</sub> Fe <sub>0.25</sub> @COF	331/420	-	0.238	10
LaSr <sub>3</sub> Co <sub>1.5</sub> Fe <sub>1.5</sub> O <sub>10-δ</sub>	388/510	15.7	-	11
FeCo <sub>2</sub> -NC	356/440	-	0.02	12
Fe-LiCoO <sub>2</sub>	343/404	89	-	13
TA-Fe/Co-CNT	315/370	114	0.949	This work

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