Supporting Information

Ligand Leaching Enabling Improved Electrocatalytic Oxygen Evolution Performance

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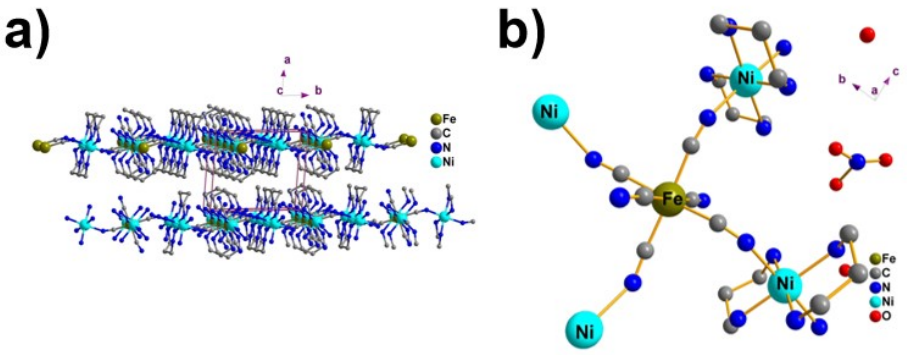

Fig. S1. a) Crystal structure of Ni-*dp*-Fe complex and b) the coordination mode of Ni.

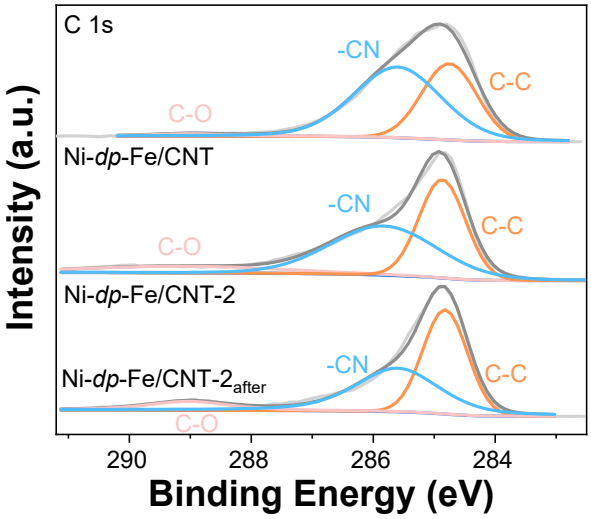

Fig. S2. Detailed XPS spectra of the typical samples for C 1s.

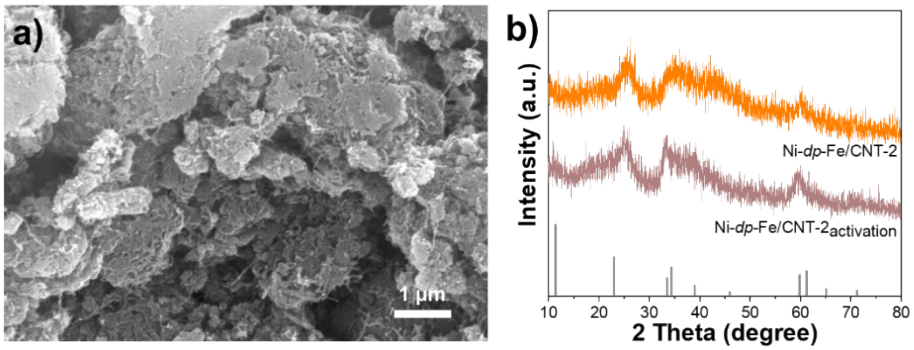

Fig. S3. a) SEM image of Ni-*dp*-Fe/CNT-2 after activation and b) the XRD pattern.

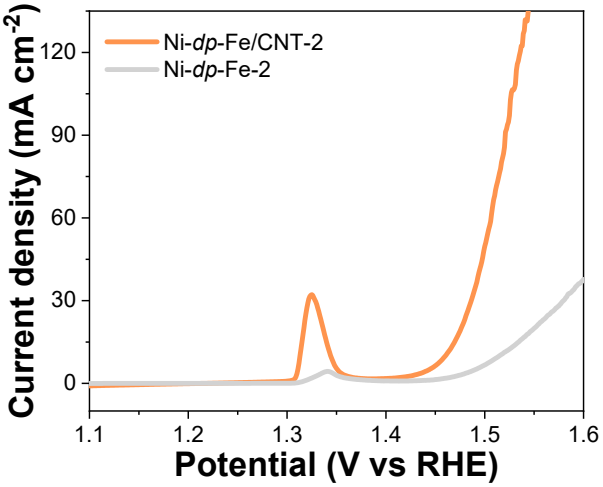

Fig. S4. LSV curves tested on Ni-*dp*-Fe/CNT-2 and Ni-*dp*-Fe-2.

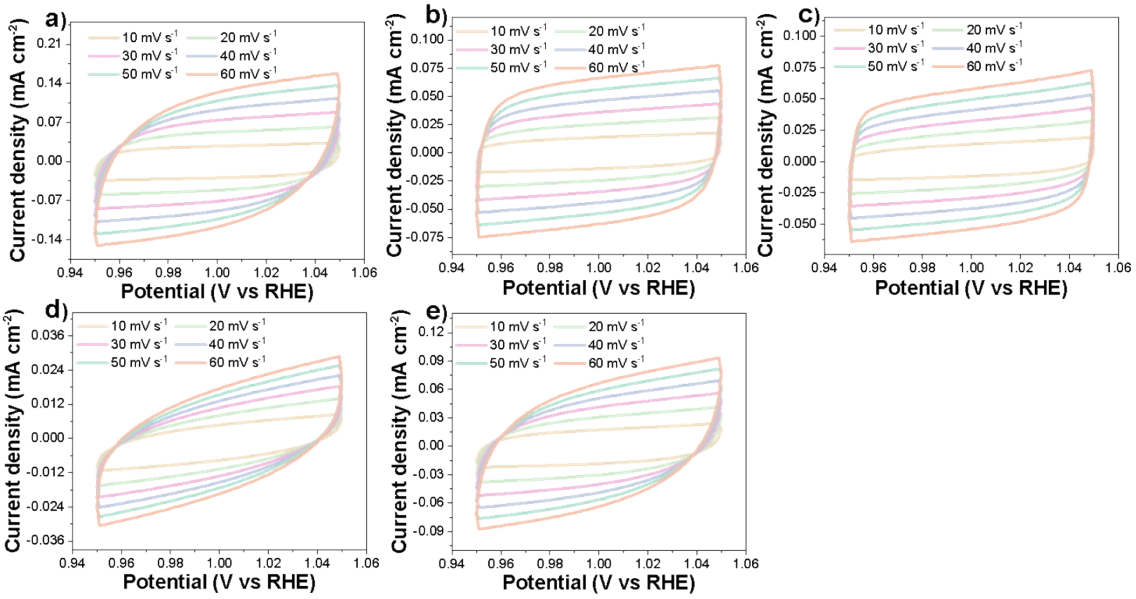

Fig. S5. CV curves with different scanning rates of various contrast electrodes. a) Ni-*dp*-Fe/CNT-2, b) Ni-*dp*-Fe/CNT-1, c) Ni-*dp*-Fe/CNT-0.5, d) Ni-*dp*-Fe/CNT and e) Ni-*dp*-Fe/CNT-3.

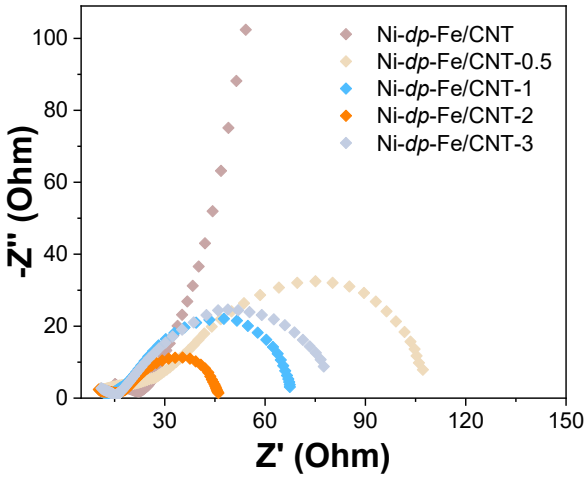

Fig. S6. Electrochemical impedance spectra of Ni-*dp*-Fe/CNT, Ni-*dp*-Fe/CNT-0.5, Ni-*dp*-Fe/CNT-1, Ni-*dp*-Fe/CNT-2 and Ni-*dp*-Fe/CNT-3.

Table S1. The element content of Ni-dp-Fe/CNT, Ni-dp-Fe/CNT-2 and Ni-dp-Fe/CNT-2_{after} from XPS.

Samples	Ni-dp-Fe/CNT (at%)	Ni-dp-Fe/CNT-2 (at%)	Ni-dp-Fe/CNT-2_{after} (at%)
Fe	2.66	1.92	0.19
Ni	3.29	7.94	6.67
N	23.06	7.64	0.12
O	4.75	17.56	22.07
C	66.23	63.16	70.94