Supporting Information

Tunable non-enzymatic glucose electrochemical sensing based on the Ni/Co bimetallic MOFs

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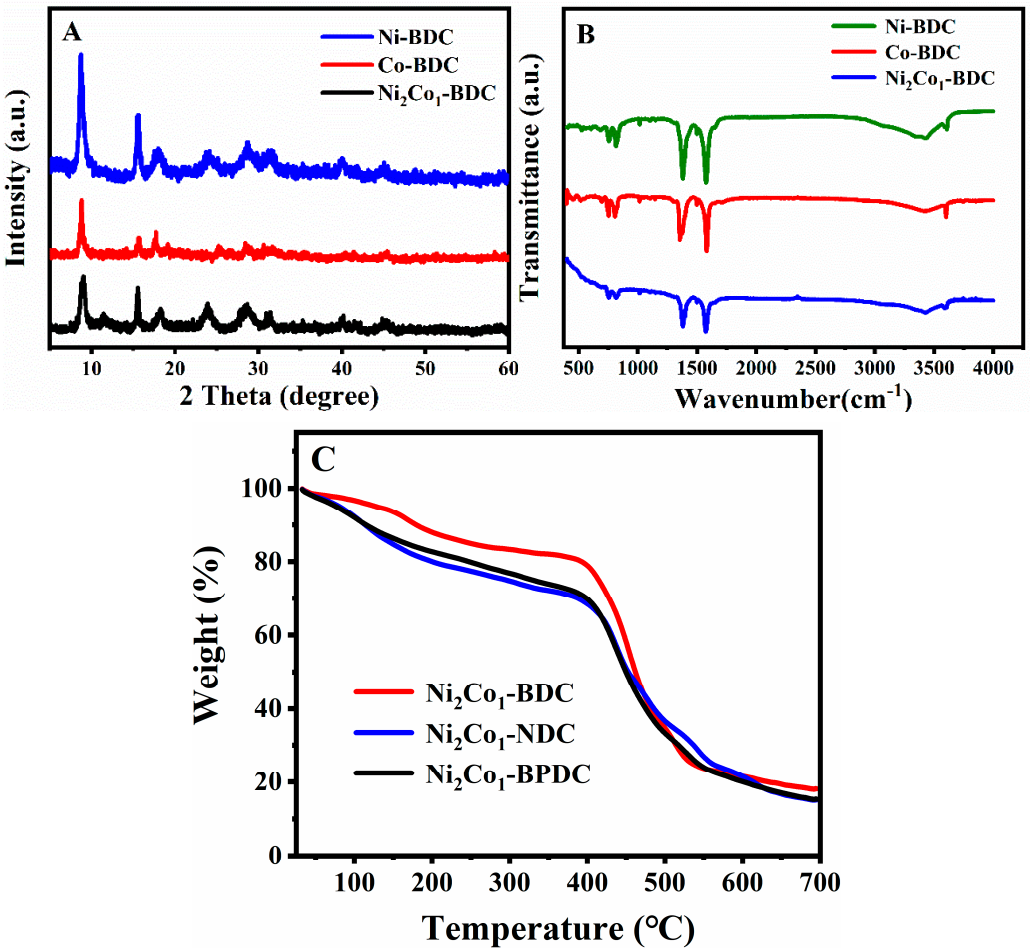
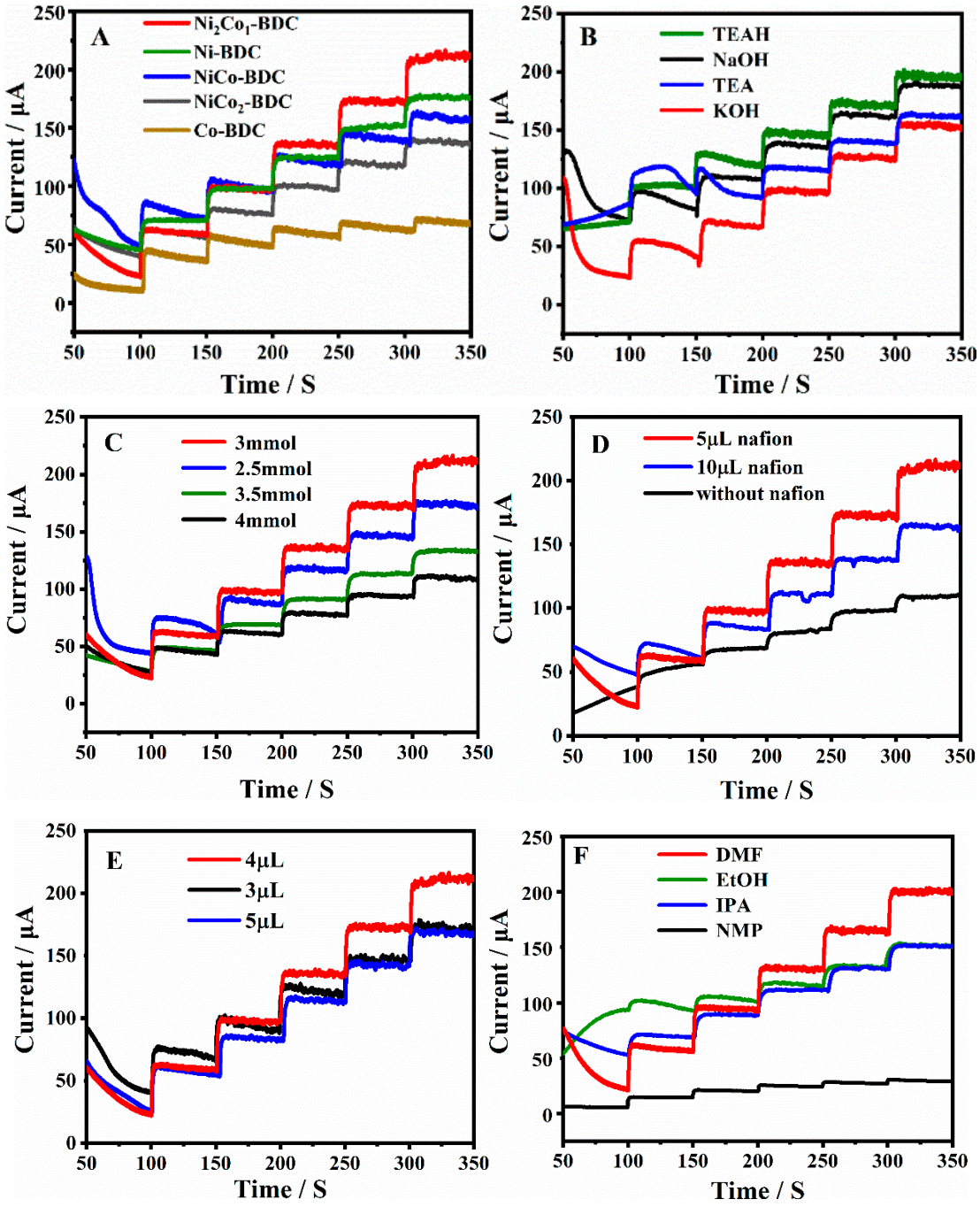


Figure S1. (A) XRD and (B) FTIR spectra of monometallic and bimetallic MOF; (C) Thermal gravimetric analysis (TGA) curve of Ni_2Co_1-L MOFs.

Table S1. The element content of Ni_2Co_1-BDC.

Element	Weight %	Atomic %	Error %
C K	33.88	53.17	8.65
O K	29.88	35.21	9.03
CoK	12.38	3.96	8.76
NiK	23.86	7.66	6.41



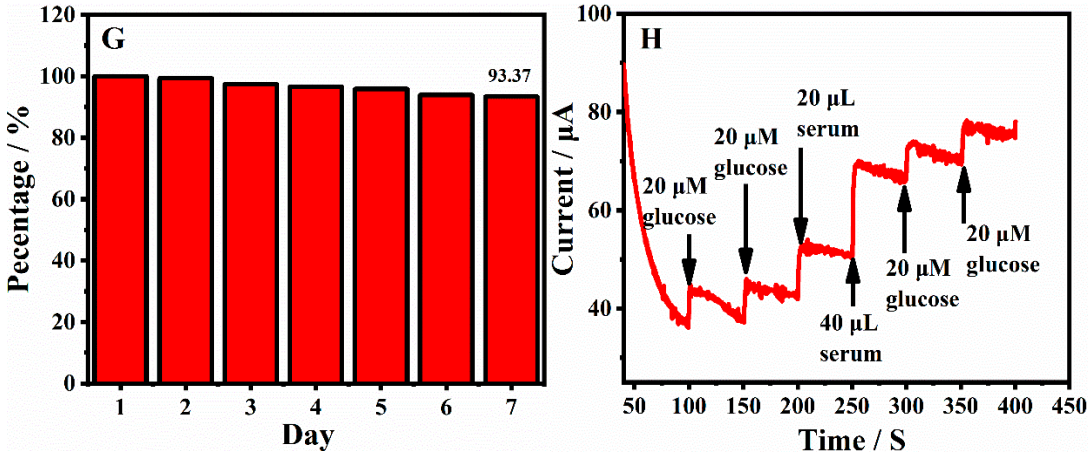


Figure S2. i-t curves of MOFs under different experimental conditions with the continuous injection of 0.1 mM glucose. (A) metal center and scale; (B) types of alkali; (C) amounts of KOH; (D) the volume of Nafion; (E) modified volume; (F) dispersing solvents; (G) stability of Ni_2Co_1-BDC/GCE in 0.1 M NaOH solution containing 0.1 mM Glu; (H) Amperometric response of Ni_2Co_1-BDC/GCE at successive additions of 20 μM glucose, 20 μL serum and 40 μL serum, followed by 20 μM glucose.