Supporting Information

Cauliflower-like nickel with polar $Ni(OH)_2/NiO_xF_y$ shell to decorate copper meshes for efficient oil/water separation

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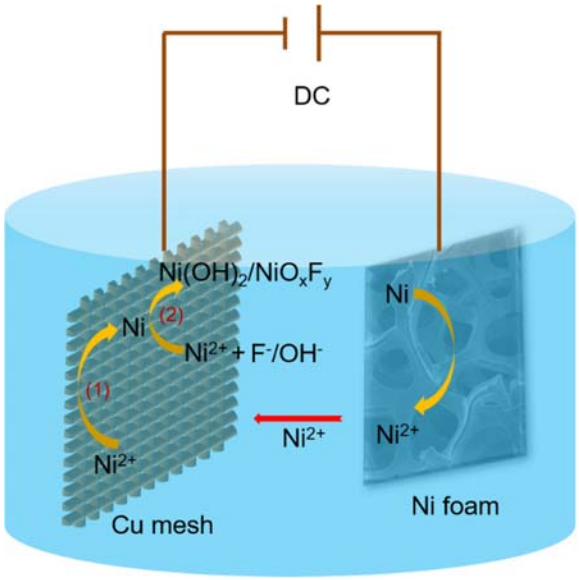

Figure S1 Schematic illustration of the preparation of Cu mesh@CF-Ni via electrodeposition

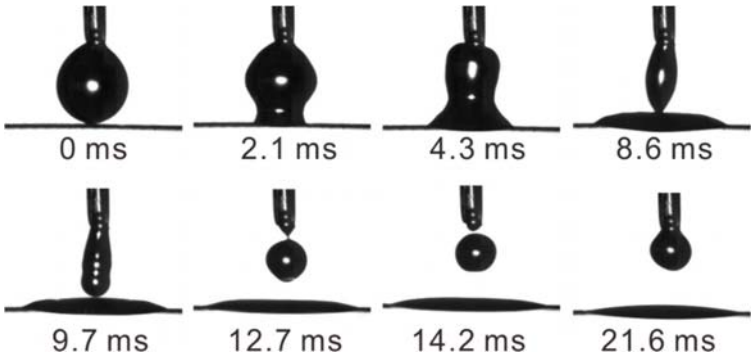

Figure S2 Water droplet spread out on the superhydrophilic Cu mesh@CF-Ni

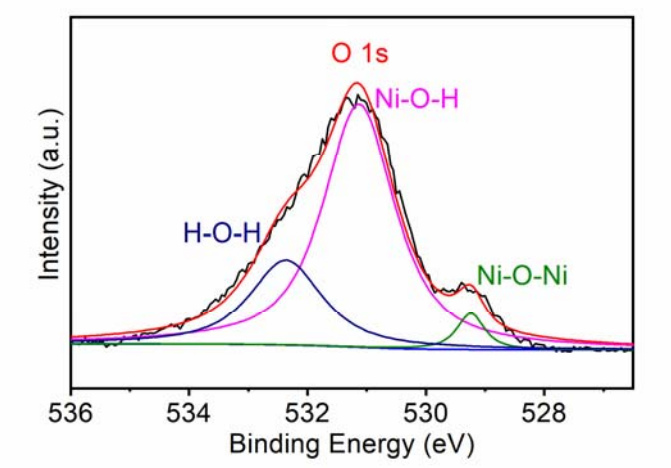

Figure S3 O 1s spectra of Cu mesh@CF-Ni

Table S1 Electrochemical corrosion measurements of Cu mesh@CF-Ni in solutions.

Solution	Corrosion current density ($\mu A\ cm^{-2}$)
H_2O	1.6
10 wt% NaCl	25.1
1 M NaOH	31.6
1 M HCl	501.2

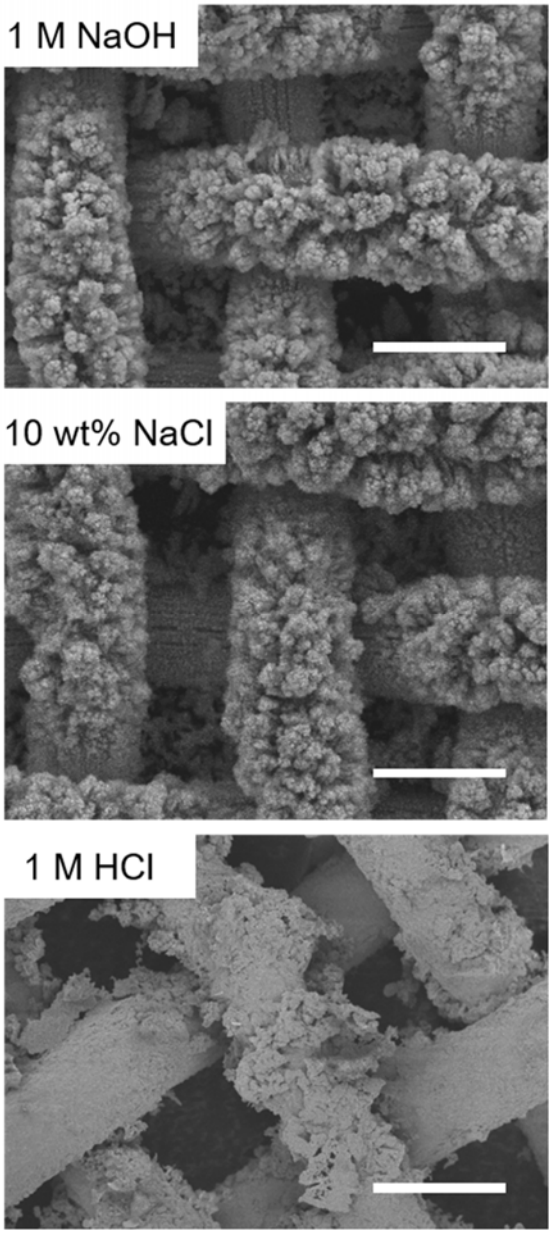

Figure S4 SEM images of Cu mesh@CF-Ni immersed in solutions for 1 h. The bar is 50 μm

Movie S1 The visual oil/water separation experiment