*Supplementary Information*

# Block Copolymer-Templated Synthesis of Fe–Ni–Co-Modified Nanoporous Alumina Films

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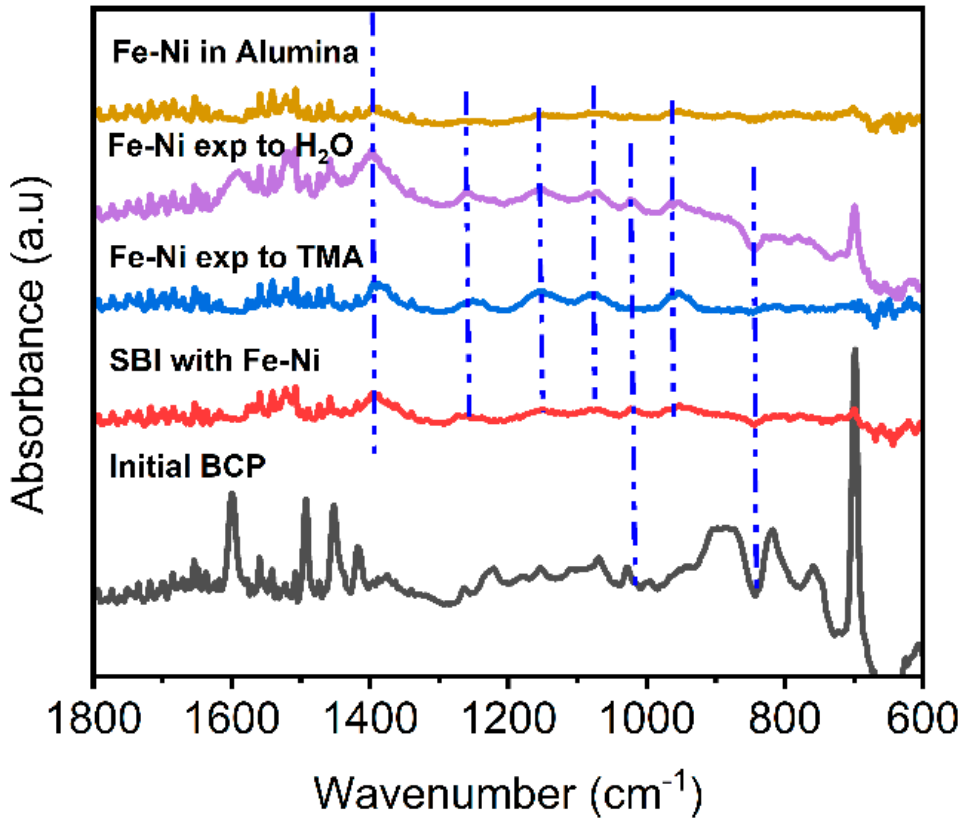



Figure **S1**. FTIR analysis of PS-b-P4VP BCP during infiltration processes.

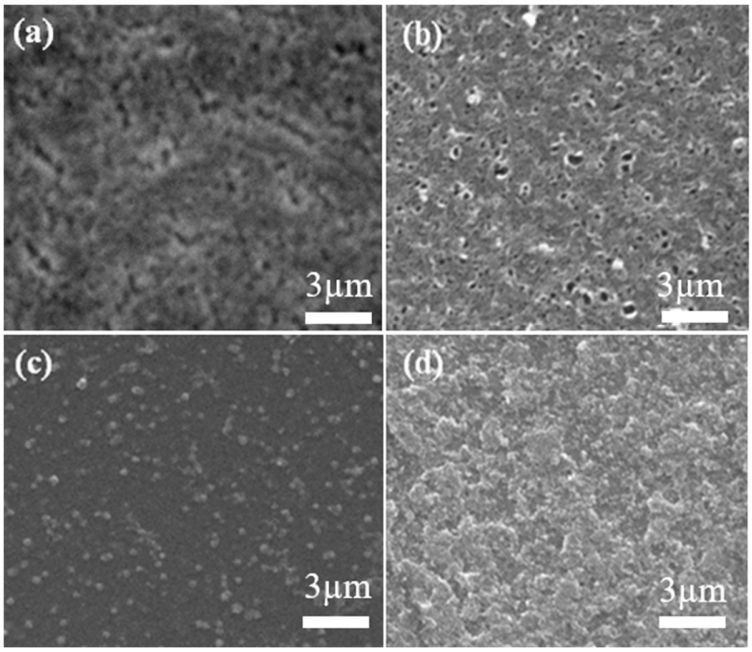



Figure **S2**. SEM Image of deposited metal-oxides thin film structures Porous Alumina(a), Fe/$AlO_x$(b), Fe+Ni/$AlO_x$(b) and Fe+Co/$AlO_x$(c).

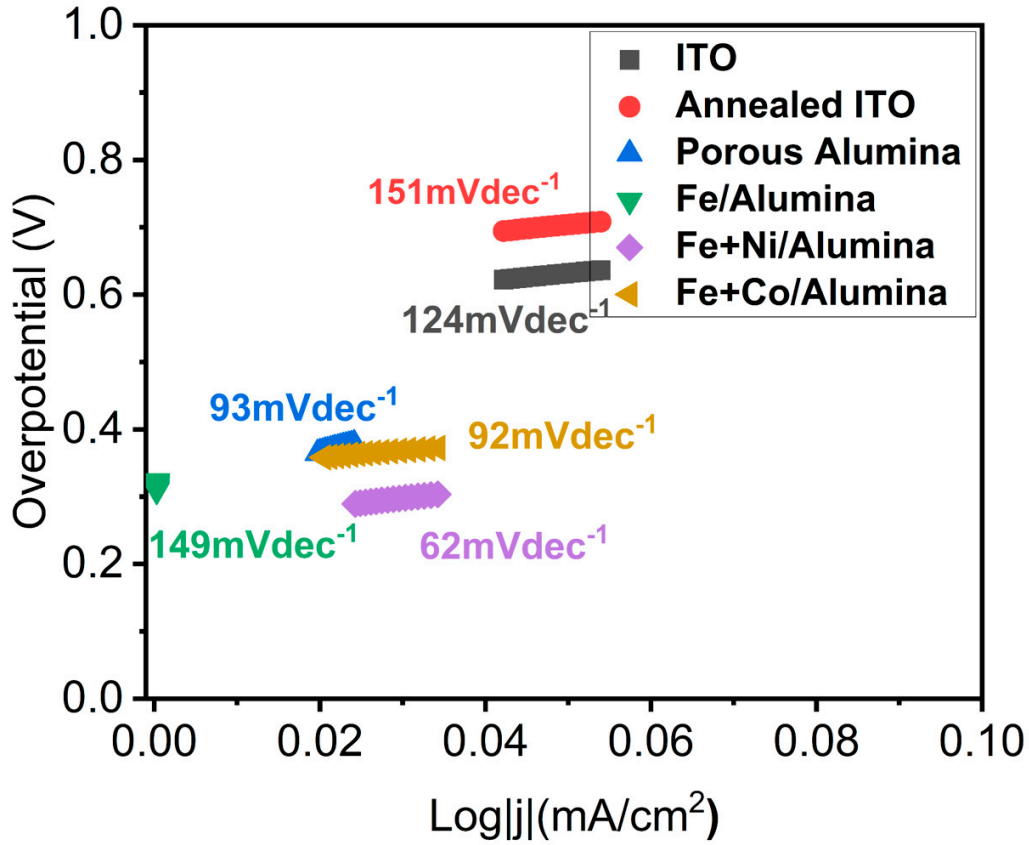



Figure **S3**. Tafel slopes from linear sweep for ITO glass, annealed ITO glass, porous $AlO_x$, $Fe/AlO_x$, $Fe+Ni/AlO_x$, $Fe+Co/AlO_x$.