Supporting Information

Magnetoelectrochemistry and Asymmetric Electrochemical Reactions

Suryakant Mishra^{\$*}, Marzia di Marzio[#], Roberto Giovanardi[#], Francesco Tassinari^{\$}

Department of Chemical and Biological Physics, Perlman Building, Weizmann Institute of Science, Rehovot, 761000, Israel

*DIEF University of Modena and Reggio Emilia, 41125, Modena, Italy

Email address: suryakant.mishra@weizmann.ac.il



Figure: S1 SEM images at **(a)** 5000x, **(b)** 10000x and **(c)** EDS spectrum recorded on, Ni-LTA layer deposited "without" magnetic field



Figure: S2 SEM images at **(a)** 5000x, **(b)** 10000x and **(c)** EDS spectrum recorded on, Ni-LTA layer deposited by galvanostatic electrodeposition.



Figure: S3 SEM images at **(a)** 1000x, **(b)** 5000x and **(c)** EDS spectrum recorded on, pure Ni layer deposited potentiostatic electrodeposition



Figure: S4 SEM images at **(a)** 1000x, **(b)** 5000x and **(c)** EDS spectrum recorded on, pure Ni layer deposited by low current galvanostatic electrodeposition.



Figure: S5 SEM images at **(a)** 1000x, **(b)** 5000x and **(c)** EDS spectrum recorded on, Ni-LTA layer deposited by potentiostatic electrodeposition.



Figure: S6 SEM images at **(a)** 5000x, **(b)** 10000x and **(c)** EDS spectrum recorded on, Ni-LTA layer deposited by low current galvanostatic electrodeposition.



Figure: S7 SEM images at **(a)** 5000x, **(b)** 10000x and **(c)** EDS spectrum recorded on, Ni-LTA layer deposited under "up" oriented magnetic field



Figure: S8 SEM images at **(a)** 5000x, **(b)** 10000x and **(c)** EDS spectrum recorded on, Ni-LTA layer deposited under "down" oriented magnetic field