

Fig. S1 Magnified image of the XRD pattern between  $43\text{--}45^\circ$

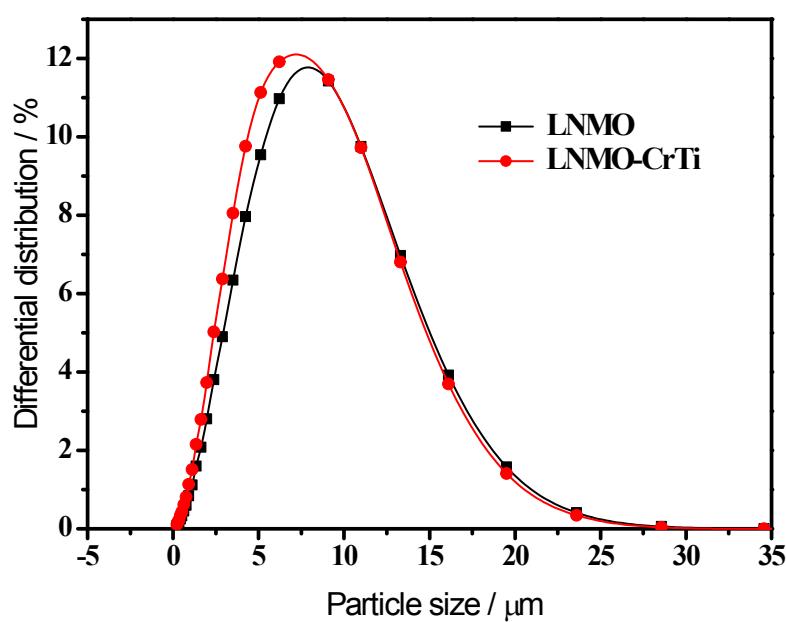


Fig. S2 Particle size distribution curves of the pristine LNMO and co-doped LNMO-CrTi samples

Table S1 Particle size distribution data of the pristine LNMO and co-doped LNMO-CrTi samples

| Sample    | $D_{10}$ | $D_{50}$ | $D_{90}$ | $(D_{90} - D_{10})/D_{50}$ |
|-----------|----------|----------|----------|----------------------------|
| LNMO      | 1.77     | 5.67     | 11.90    | 1.79                       |
| LNMO-CrTi | 1.57     | 4.75     | 9.60     | 1.69                       |

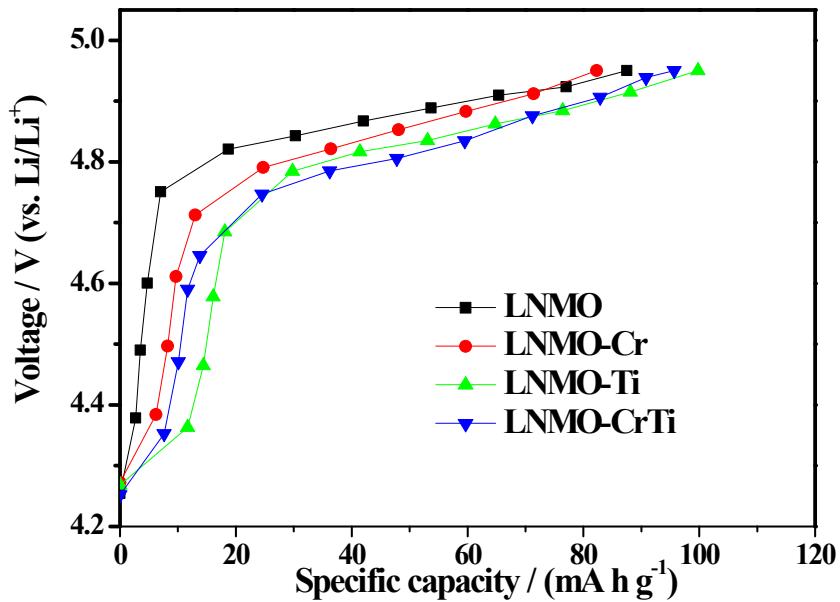


Fig. S3 Charge curves of the pristine and doped samples at 5C rate