

Supporting Information:

Rare Earth Metal La-doped induced Electrochemical Evolution of LiV_3O_8 with Oxygen Vacancy towards High Energy- storage Capacity

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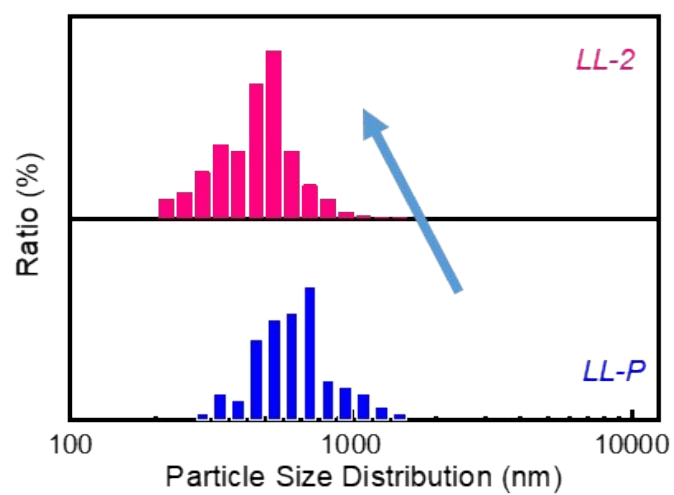


Fig. S1 The particles size distribution of LL-2 and LL-P

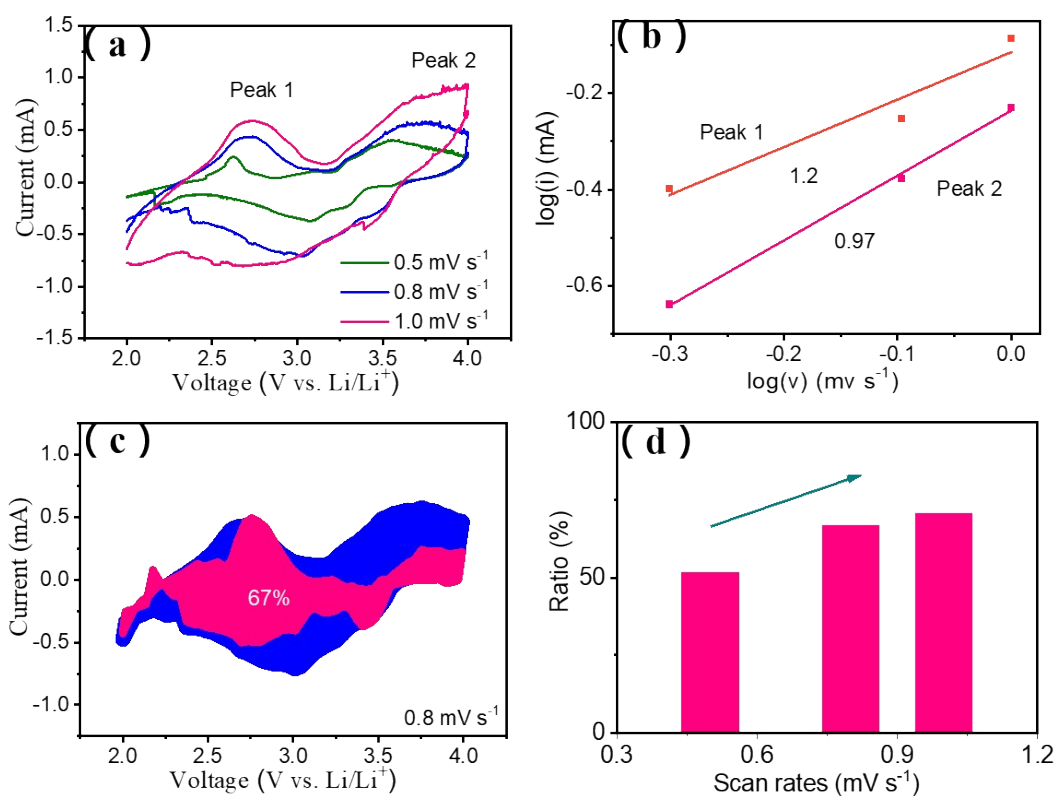


Fig. S2 The kinetic analysis of V_2O_5 : CV curves at 0.5 mV s^{-1} , 0.8 mV s^{-1} , 1.0 mV s^{-1} ; the $\log(i_p)$ vs. $\log(v)$ (b), the capacity contribution of capacitive-controlled (pink) and diffusion contribution (blue) (c), the pseudo-capacitive contributions at different scan rates.

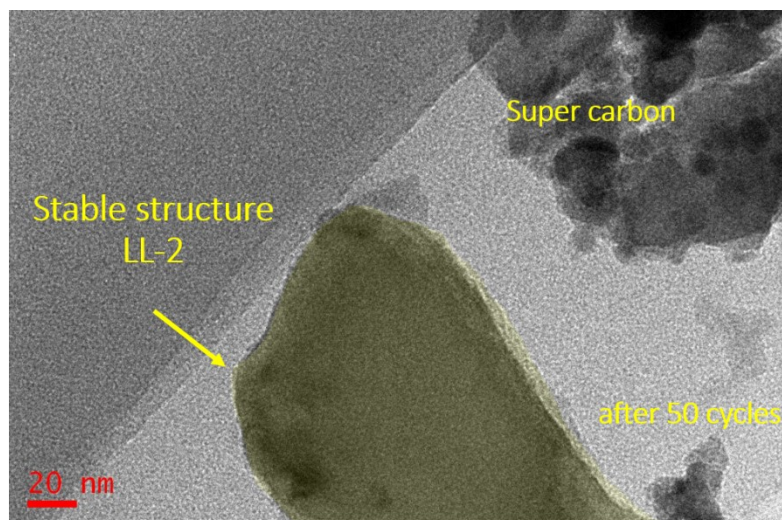


Fig. S3 The TEM images of LL-2 after 50 cycles.