

## Supporting Information

### Porous Co-Ru@C Shell as Bifunctional Catalyst for Lithium-Oxygen Batteries

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Table S1. Relative element contents of Co-Ru@C shell from EDS (TEM)

Element	Weight/%	Atomic/%
C	26.75	73.32
Co	12.07	6.74

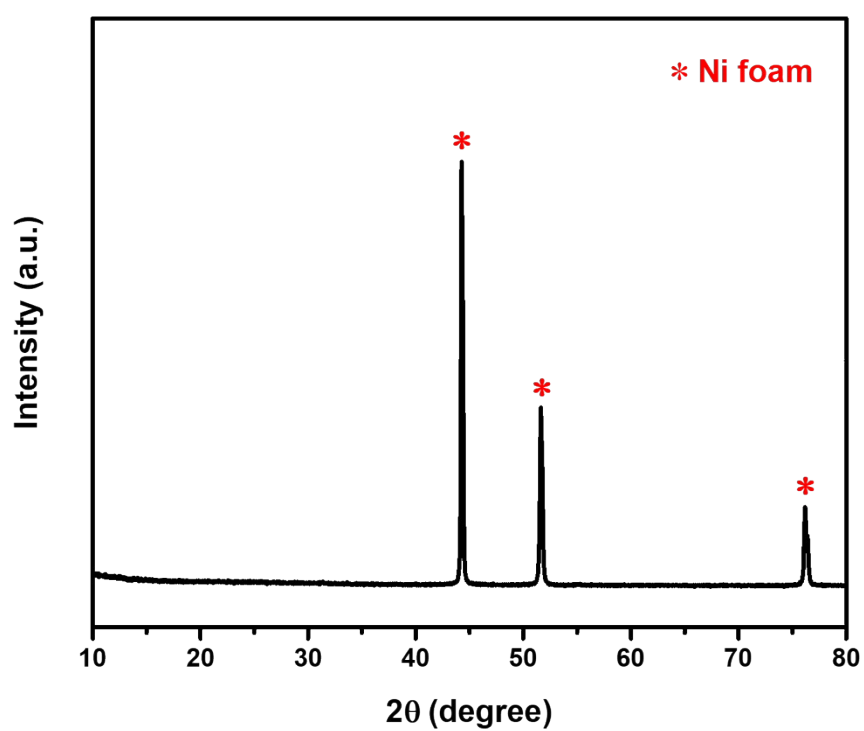


Figure S1. XRD patterns of Co-Ru@C shell electrodes after 1<sup>st</sup> discharge.

