Electronic Supporting Information

Dimensionally Integrated Nanoarchitectonics for Novel Composite from 0D, 1D, and 2D Nanomaterials: RGO/CNT/CeO₂ Ternary Nanocomposite with Electrochemical Performance

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1. Additional TEM images of CNT/CeO$_2$ binary nanocomposite

Fig. S1 TEM images of CNT/CeO$_2$ binary nanocomposite
2. Additional TEM images of RGO/CNT/CeO₂ ternary nanocomposite

Fig. S2 TEM images of RGO/CNT/CeO₂ ternary nanocomposite
3. Additional HR-TEM images of RGO/CNT/CeO$_2$ ternary nanocomposite

![HR-TEM images of RGO/CNT/CeO$_2$ ternary nanocomposite](image)

**Fig. S3** HR-TEM images of RGO/CNT/CeO$_2$ ternary nanocomposite
4. TEM/EDS elemental mapping of RGO/CNT/CeO\textsubscript{2} ternary nanocomposite

![TEM/EDS elemental mapping](image)

**Fig. S4** TEM/EDS elemental mapping of RGO/CNT/CeO\textsubscript{2} ternary nanocomposite
5. CV curve of CeO$_2$ nanocrystal

**Fig. S5** CV curves of CeO$_2$ nanocrystals at different scan rates in 1M Na$_2$SO$_4$ solution
6. Cyclic stability curve of CeO$_2$, CNT/CeO$_2$, RGO/CNT/CeO$_2$

Fig. S6 Cycle life curve of CeO$_2$ (top), CNT/CeO$_2$ (middle), RGO/CNT/CeO$_2$ (bottom) at current density of 1 A/g