Supplementary Information

Delaying the volume-change of $CaCo_2O_4$/rGO as an anode for high-performance lithium-ion and sodium-ion batteries

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Table S1. Comparison of lithium storage performance for the $CaCo_2O_4$/rGO composite with other $CaCo_2O_4$ electrodes.

Materials	Specific capacity	Cycle number	Ref.
$CaCo_2O_4$ nanofibers	650 mA h g^{-1}at 100 mA g^{-1}	60th	[1]
$CaCo_2O_4$ nanoflower	560 mA h g^{-1} at 50 mA g^{-1}	100th	[2]
$CaCo_2O_4$/rGO composite	778 mA h g^{-1}at 200 mA g^{-1}	100th	This work

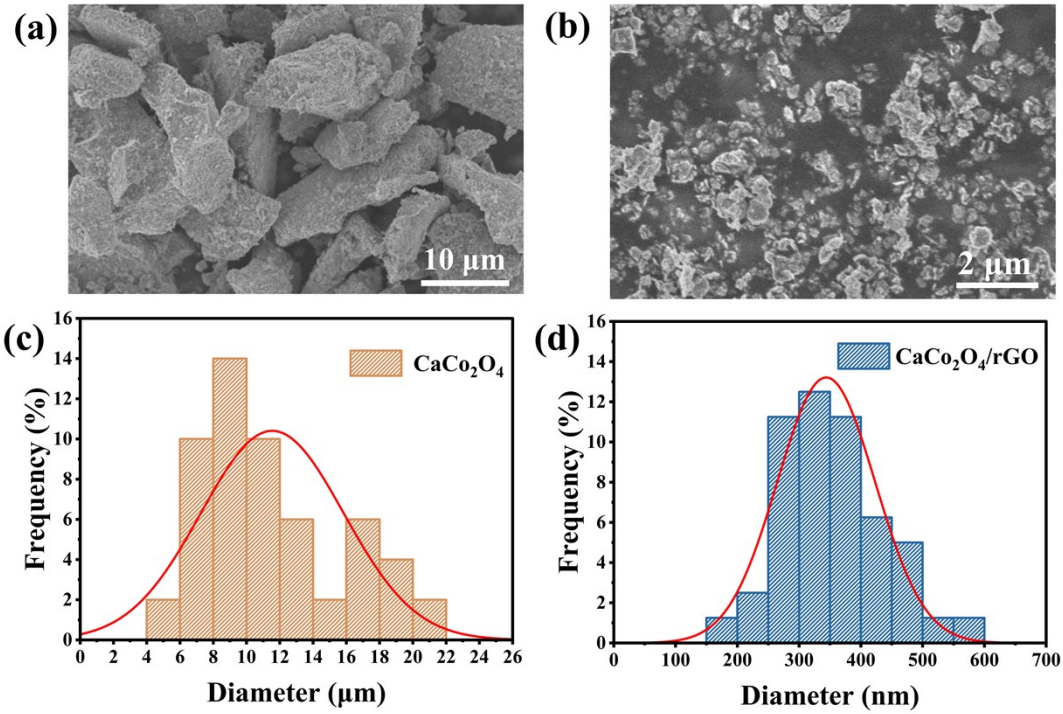

Fig. S1 (a) SEM images of $CaCo_2O_4$. (b) SEM images of $CaCo_2O_4$/rGO. (c) particle size distribution of $CaCo_2O_4$. (d) particle size distribution of $CaCo_2O_4$/rGO.

Reference

1. L. Li, S. Peng, Y. Cheah, Y. Ko, P. Teh, G. Wee, C. Wong and M. Srinivasan, *Chem. Eur. J*, 2013, **19**, 14823-14830

2. L. Li, M. Ye, Y. Ding, D. Xie, D. Yu, Y. Hu, H.-Y. Chen and S. Peng, *J. Alloys Compd*, 2020, **812**, 152099.