Electronic Supplementary Information (ESI)

Facile scalable synthesis and superior lithium storage performance of ball-milled MoS_2-graphite nanocomposites

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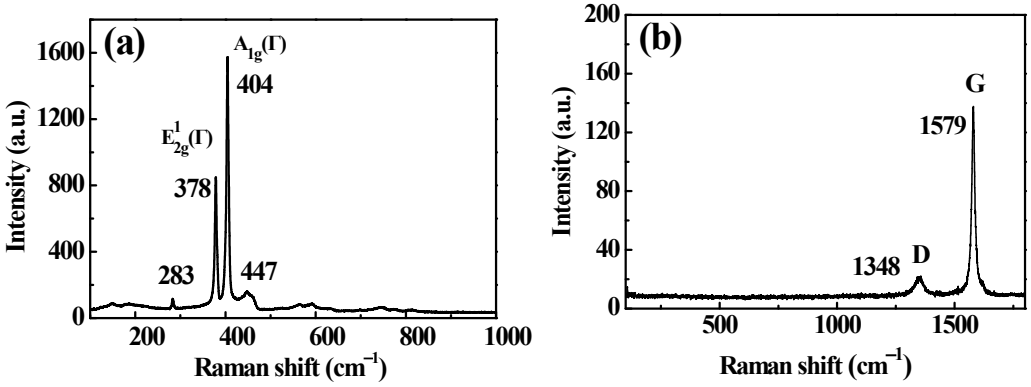

Fig. S1 Raman spectra of (a) raw MoS_2 and (b) raw graphite.

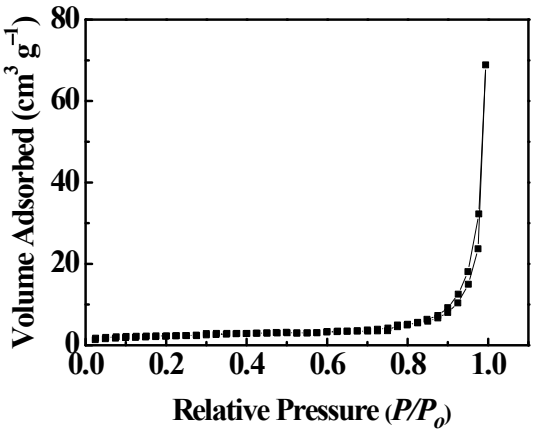

Fig. S2 Nitrogen adsorption and desorption isotherms of the MoS_2-C nanocomposite (30% C).

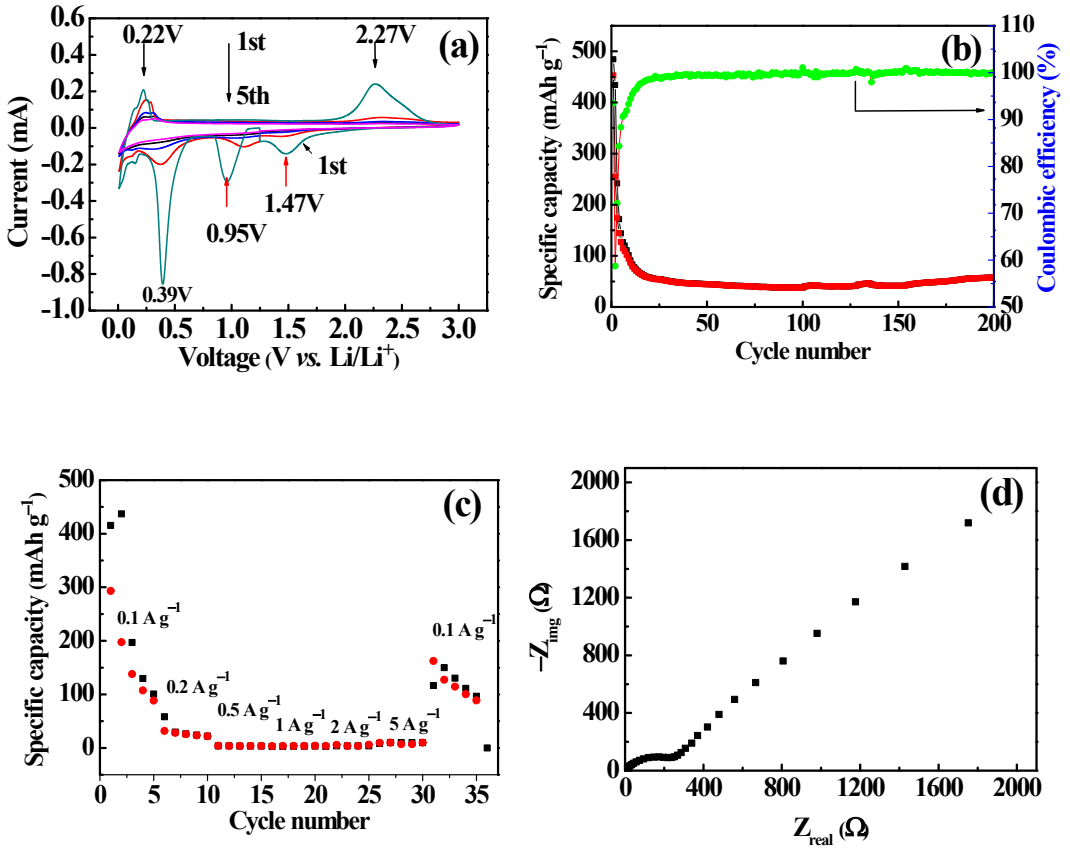

Fig. S3 Electrochemical performances of the raw MoS_2 material: (a) cyclic voltammetry curves, (b) cycling performance, (c) rate performance, and (d) electrochemical impedance spectrum.

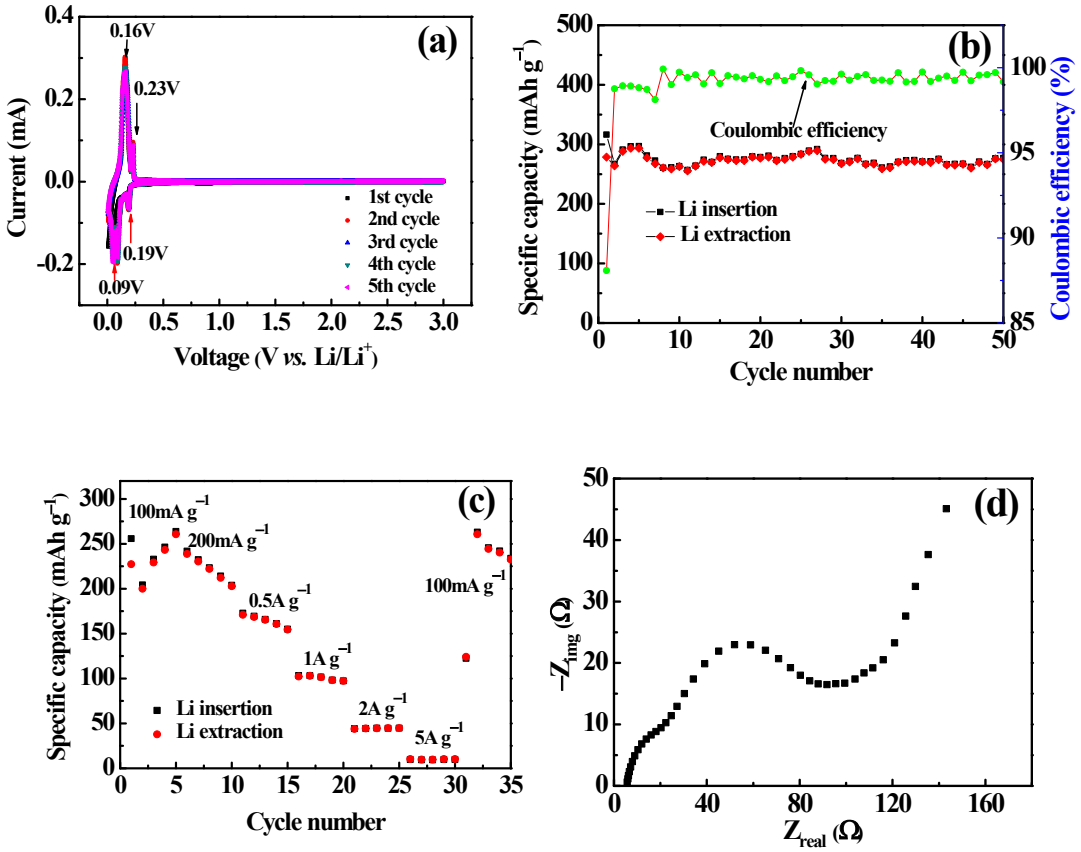

Fig. S4 Electrochemical performances of the raw graphite: (a) cyclic voltammetry curves, (b) cycling performance, (c) rate performance, and (d) electrochemical impedance spectrum.

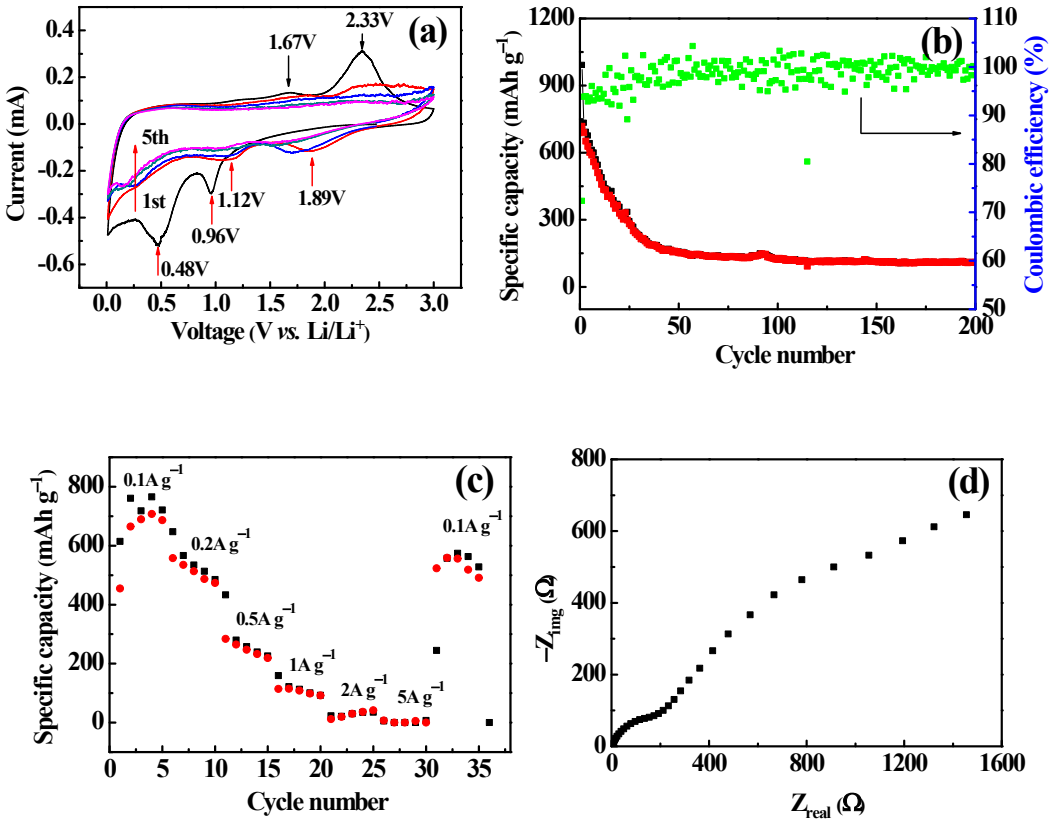

Fig. S5 Electrochemical performances of ball-milled MoS_2: (a) cyclic voltammetry curves, (b) cycling performance, (c) rate performance, and (d) electrochemical impedance spectrum.

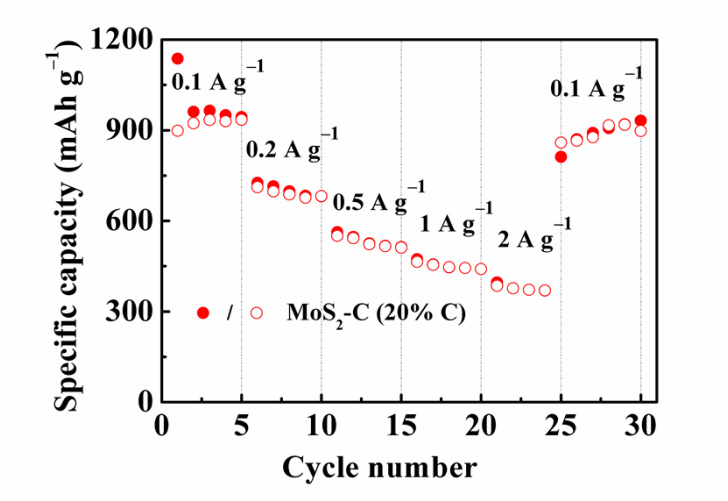

Fig. S6 Rate performance of ball-milled MoS_2-C (20% C) nanocomposite.

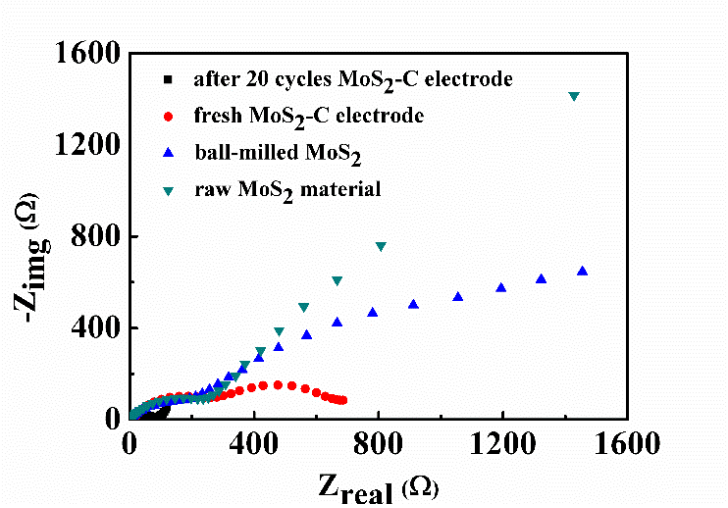

Fig. S7 The electrochemical impedance spectra of the MoS_2 materials.

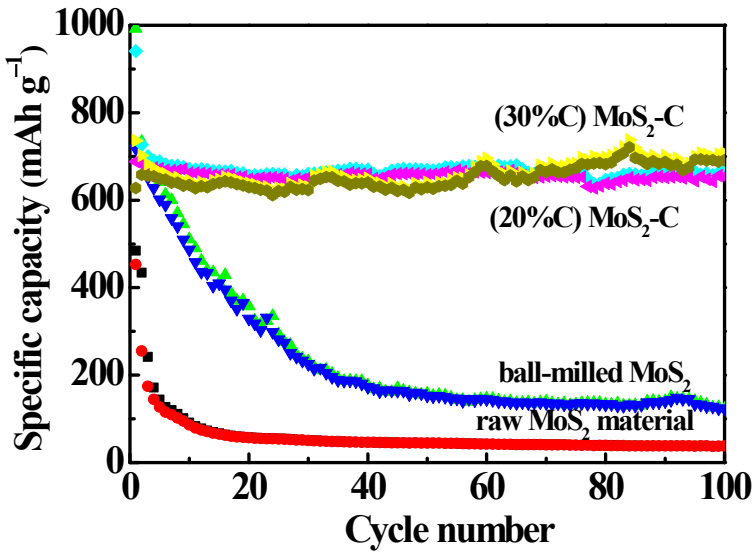

Fig. S8 The cycling performances of the MoS_2 materials.