

Supporting Information

The Effect of Heat Treatment after Hydrothermal Reaction on the Lithium Storage Performance of a MoS₂/Carbon Cloth Composite

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Table S1. Centre, FWHM and percentage area (area%) for the deconvoluted peaks of Mo 3d.

Peak & Identity	Centre (eV)	FWHM (eV)	Area %
S 2s	226.78	2.00	14.81
Mo 3d _{5/2} Mo ⁴⁺	229.61	1.24	47.23
Mo 3d _{3/2} Mo ⁴⁺	232.76	1.24	32.60
Mo 3d _{5/2} Mo ⁶⁺	230.98	1.26	3.17
Mo 3d _{3/2} Mo ⁶⁺	234.03	1.26	2.19

Table S2. Centre, FWHM and percentage area (area%) for the deconvoluted peaks of S 2p.

Peak & Identity	Centre (eV)	FWHM (eV)	Area %
S 2p _{3/2}	162.40	1.11	66.19
S 2p _{1/2}	163.59	1.11	33.81

Table S3. Centre, FWHM and percentage area (area%) for the deconvoluted peaks of C 1s.

Peak & Identity	Centre (eV)	FWHM (eV)	Area %
C-C	284.80	1.26	88.23
C-O	285.77	1.26	11.77