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Supporting information for article:

Lithium chromium pyrophosphate as an insertion material for Liion batteries

Martin Reichardt, Sébastien Sallard, Petr Novák and Claire Villevieille

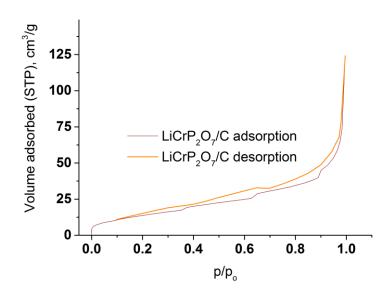


Figure S1 BET isotherm plot of LiCrP₂O₇/C

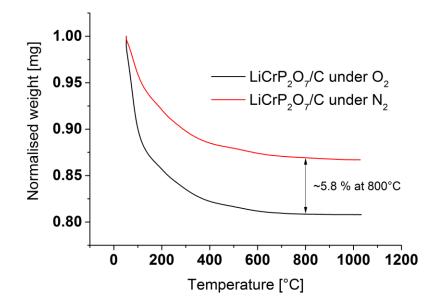


Figure S2 TGA measurement of $LiCrP_2O_7/C$ under O_2 and N_2 .

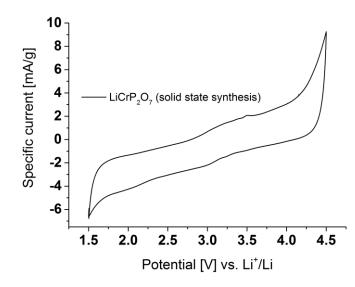


Figure S3 Cyclic voltammetry of LiCrP₂O₇ (solid state, ball-milled 8 h at 500 r.p.m.) in the potential range of 1.5–4.5 V *versus* Li⁺/Li; applied scan rate is 50 μ V/s.

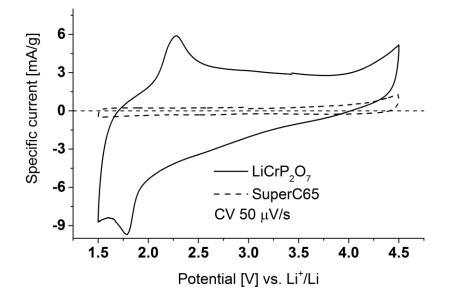


Figure S4 Cyclic voltammetry of ball-milled LiCrP₂O₇/C in the potential range of 1.5–4.5 V *versus* Li⁺/Li; scan rate 50 μ V/s. The dash-lines represent the cyclic voltammetry of similar electrode composed of only SuperC65.

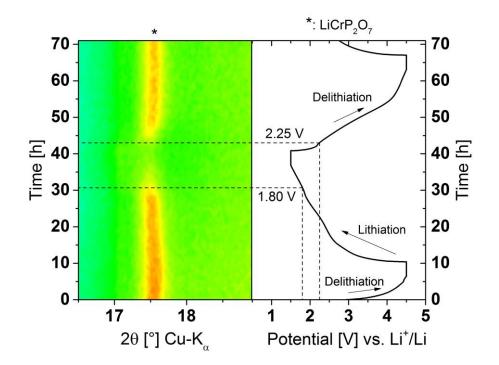


Figure S5 Operando XRD of LiCrP₂O₇/C in the potential range of 1.5–4.5 V *versus* Li⁺/Li at a cycling rate of 4.36 mA/g (C/30). Detail of the Figure 6 between $2\theta = 16.5-19^{\circ}$.

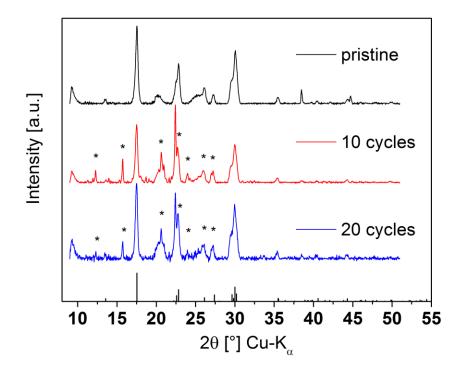


Figure S6 *Ex situ* XRD of cycled electrodes. LiCrP₂O₇ reference code 01-076-9862.