

Supplementary Information for

High-performance LiMnPO_4 nanorods synthesized via a facile EG-assisted solvothermal approach

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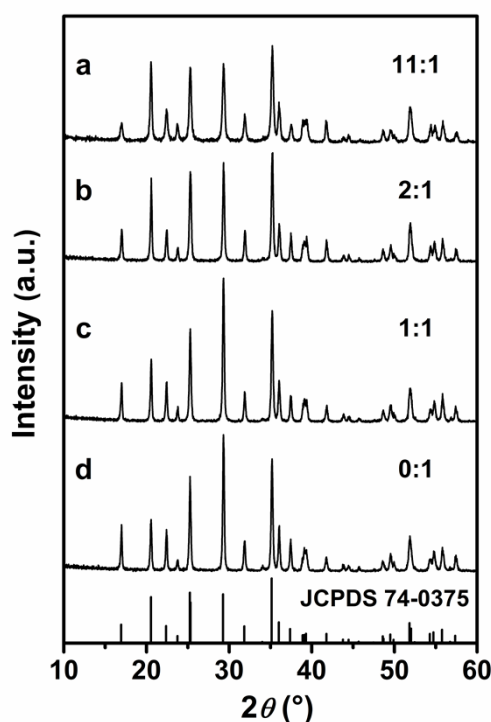


Fig. S1 XRD patterns of the LiMnPO_4 samples obtained via the solvothermal approach in different solvent compositions with various volume ratios of EG to water (a) 11:1, (b) 2:1, (c) 1:1, (d) 0:1.

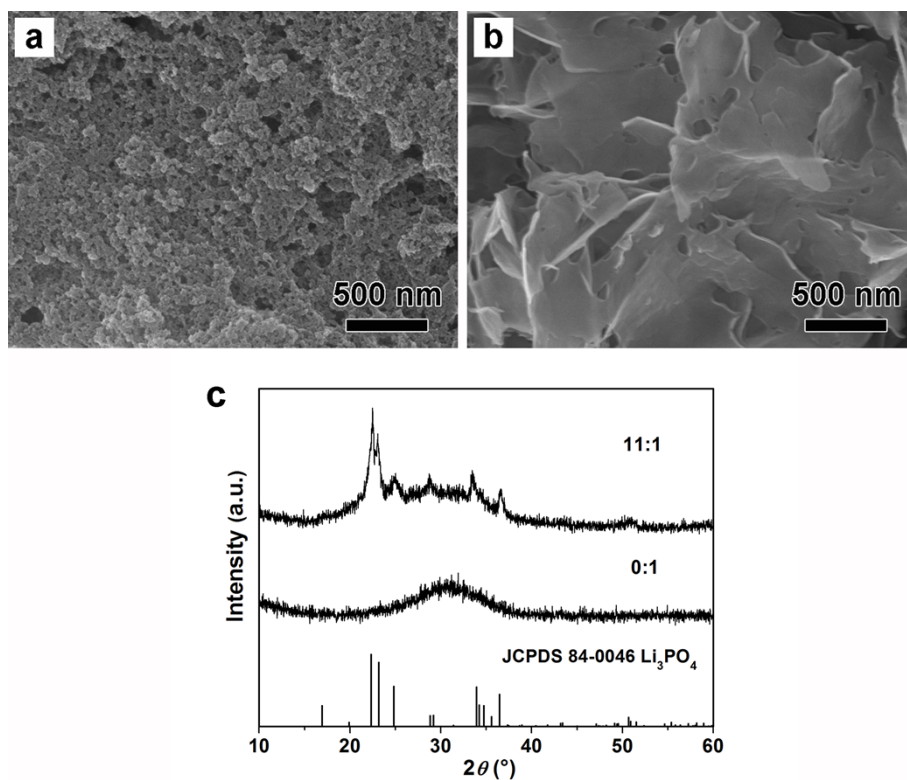


Fig. S2 (a-b) SEM images and (c) XRD patterns of the immediate products obtained by mixing the reactants in different solvent compositions with various volume ratios of EG to water at room temperature. (a) 11:1, (b) 0:1.

Table S1 Lattice parameters and unit-cell volume of the LMP-S and LMP/C-S nanorods

Sample	a (Å)	b (Å)	c (Å)	V (Å ³)
LMP-S	10.430(7)	6.094(8)	4.744(8)	301.64
LMP/C-S	10.439(2)	6.103(7)	4.743(0)	302.21

Table S2 BET specific surface areas of the LiMnPO₄ samples obtained via the solvothermal approach in different solvent compositions with various volume ratio of EG to water

EG: water (vol.)	11:1	2:1	1:1	0:1
BET/ m ² g ⁻¹	41.0	19.3	10.1	6.3