

Electronic Supplementary material (ESI) for CrystEngComm
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Flowerlike LiMnPO_4 hierarchical microstructures assembled from single-crystalline nanosheets for lithium-ion batteries

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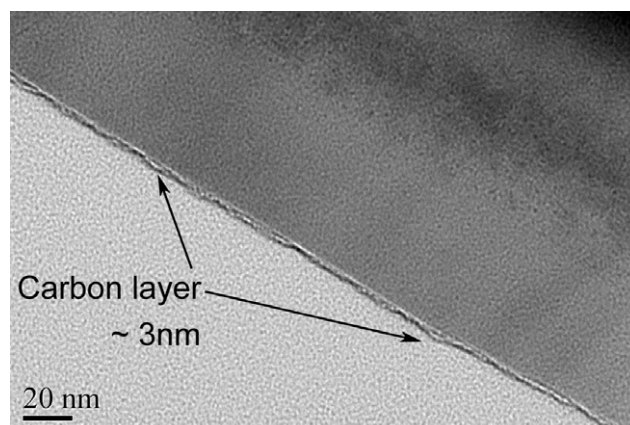


Fig. S1 HRTEM image of the as-synthesized flowerlike LiMnPO₄.

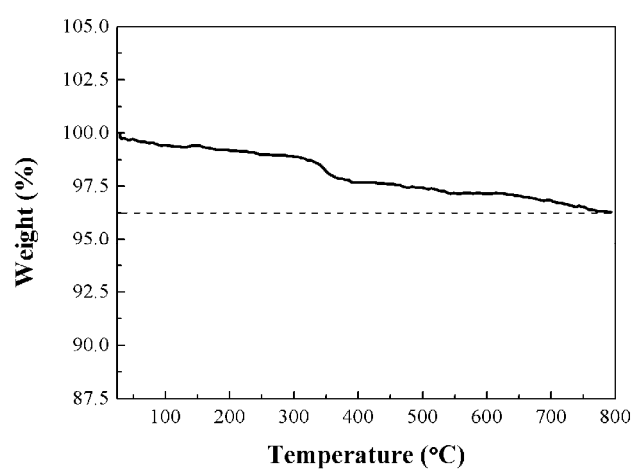


Fig. S2 TG curve of the as-synthesized flowerlike LiMnPO₄.

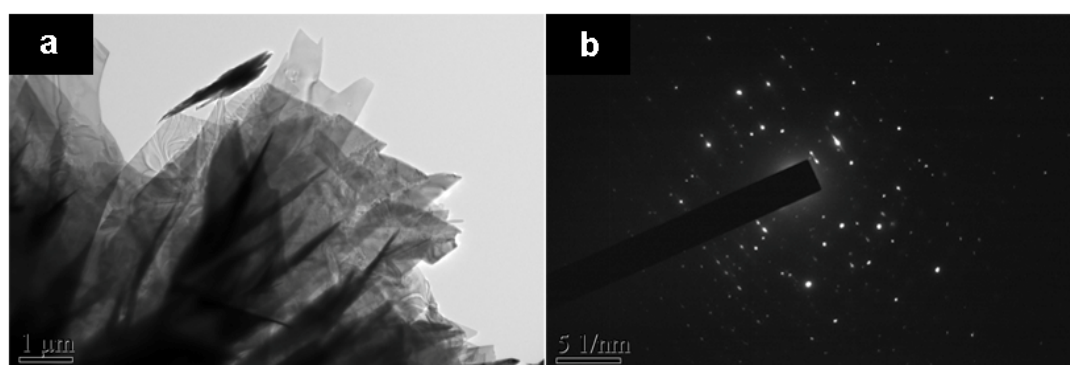


Fig. S3 (a) TEM image and (b) electron diffraction pattern of the flowerlike LiMnPO₄ hierarchical structures synthesized under the control experiment in the absence of glucose.

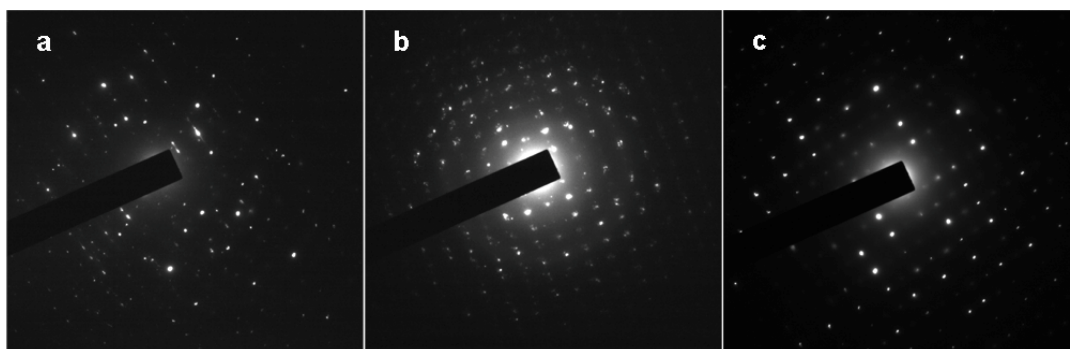


Fig. S4 Electron diffraction patterns of the samples prepared with the different amounts of glucose: (a) 0, (b) 1.5 mmol, (c) 6 mmol.

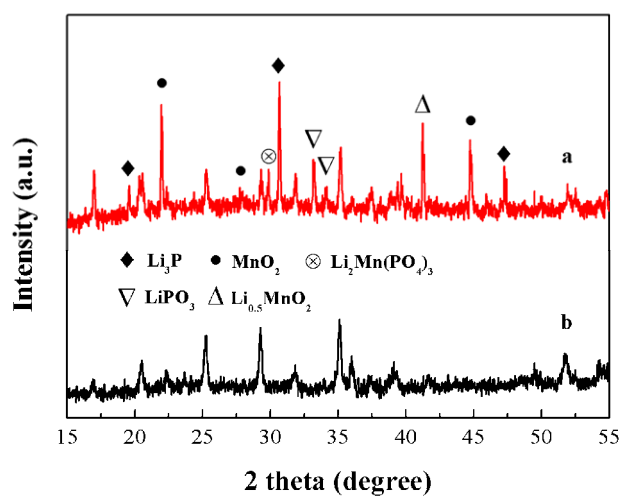


Fig. S5 XRD patterns of the samples prepared by solvothermal reaction in different solvent (a: H₂O and b: H₂O/DEG).

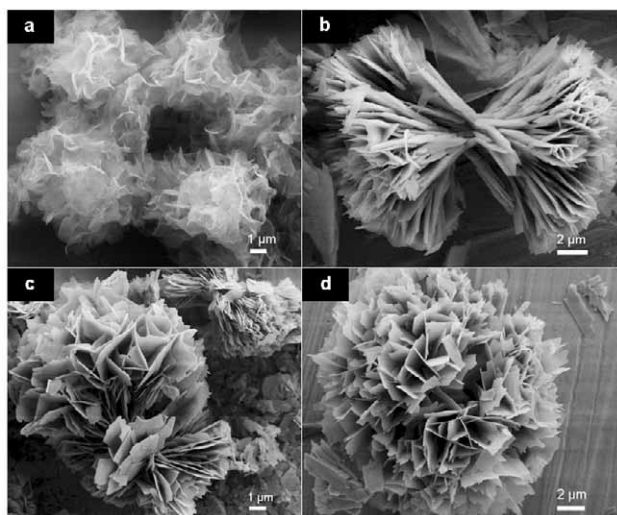


Fig. S6 SEM images of LiMnPO₄ obtained at different reaction times: (a) 0 hour, (b) 1 hour, (c) 5 hour, and (d) 10 hour.

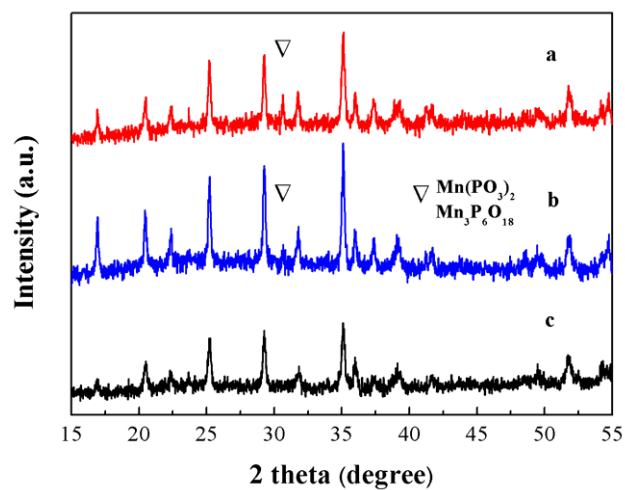


Fig. S7 XRD patterns of the products obtained at different reaction times: (a) 1 hour, (b) 5 hour, and (c) 10 hour.