



ADVANCED FUNCTIONAL MATERIALS

FLUORESCENCE

A nanoscale liquid imaging platform is developed by W. C. Chueh and co-workers to track lithium intercalation in LiFePO_4 electrodes. The results on page 3677 show that the intercalation pathway strongly depends on the particle morphology and synthesis protocol. Highly faceted ellipsoidal particles intercalate sequentially, with a small number of actively-intercalating particles and low electrode utilization. Platelet particles, on the other hand, intercalate simultaneously with a more uniform current distribution.