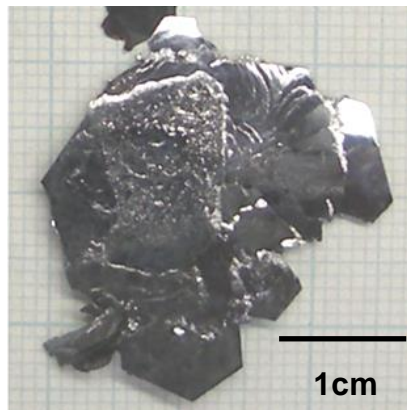


LiCoO₂

Single Crystal of Cathode Material for Rechargeable Battery

Features

- ✓ Excellent Crystallinity
- ✓ Large Foil (flux growth)
- ✓ Oriented Bulk (FZ growth)



LiCoO₂ single crystal

Applications

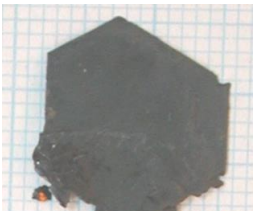

Tablets and Smartphones



Electric Vehicles



Specification

LiCoO ₂		Growth method	Size	Surface
Foil		flux	Diameter ≥10mm Thickness ≤50μm	(001) Oriented as grown
Bulk		FZ (floating zone)	Rectangular 2 ~ 5 mm	To be discussed

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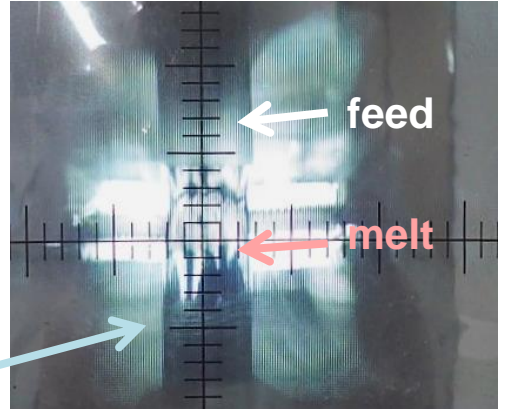
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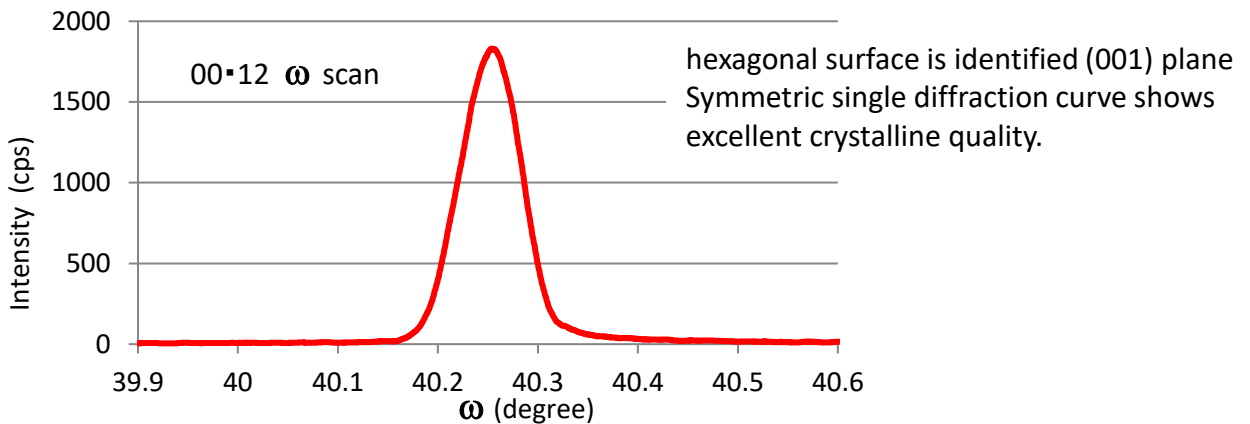
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LCO bulky mono-crystal grown by the FZ method

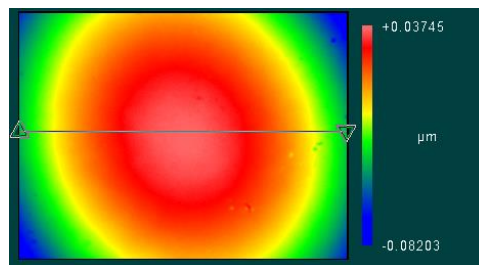
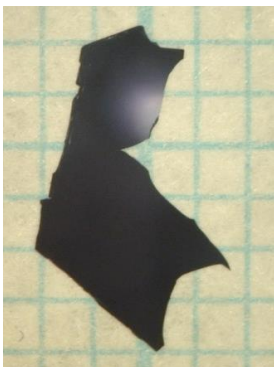


grown single crystal

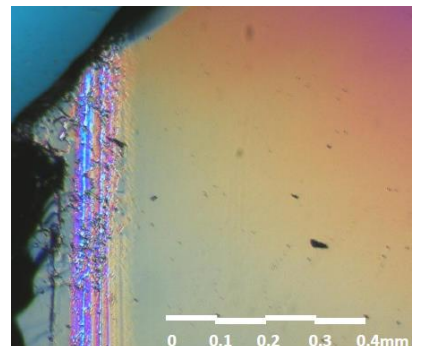
X-ray rocking curve of flux grown LCO



Surface micro-topograph of flux grown LCO



Macroscopic diffract meter Image
Area: 190 μ m x 140 μ m,
PV: 119nm, Ra: 20nm



differential interference
contrast microscope (DIC)

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