

ALVACAT

The Silicon Valley Company

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Portfolio



Identification

Preparation

Test

Transfer

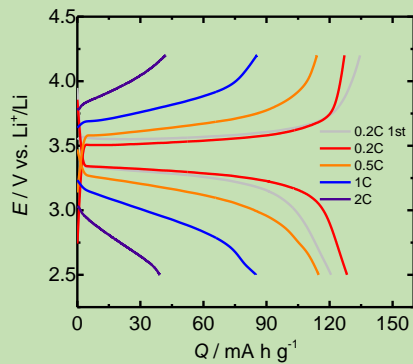
- Problem analysis, search „out of box“ solution
- Preparation and characterization
- High-throughput screening
- Recipe development
- Recipe transfer
- Production support

www.alvacat.com

ALVA

Alvacat was founded by Dr. Alfred Hagemeyer and Dr. Valery Sokolovskii in 2015. The founders look back on 60+ years of industrial experience in large corporations (BASF, Hoechst, Sued-Chemie/Clariant) as well as innovative startups (Catalytica, Symyx, Rennovia) and authored more than 200 patents.

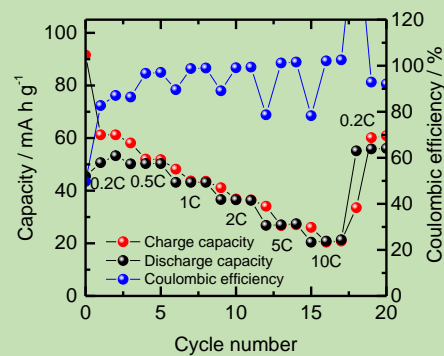
Alvacat is focused on contract research offering joint development of battery materials, i.e. synthesis and testing in high-throughput battery testers, and optionally assistance with scale up, piloting and plant trials.



Highlight

Variety of Synthetic Tools

- Proven synthetic approaches:
 - Hydrothermal
 - Co-precipitation
 - Sol-Gel
 - Pechini
 - Polyol
 - Inverse template
 - Spray calcination
 - Pulsation reactors
- Precursor solution data base
- Scalable recipes



Highlight

Mixed Oxides

- LFP
 - ➔ Doping utilizing metal precursor solutions know-how
- NMC preparation
- Mixed metal oxides core competence
- Multi metal oxide catalysts analogy

