

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 high performance materials, i.e. synthesis and high-throughput screening, 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

High Performance Materials

- Perovskite-type oxides
 - LaSrFeO_x
 - Oxygen content variation
 - Oxidation catalysis
- Zinc-Spinel
 - ZnAl_2O_4
 - Catalyst carrier
- Strontium-cerate
 - Phosphor
 - Doping with a variety of elements on request