Flame Spray Pyrolysis
new synthesis for battery materials
We develop new Flame Spray Pyrolysis to synthesise wide range of nano-dispersion complex materials for lithium-ion batteries such as LFP, NMC, NCA. Our unique methods provide required morphology & chemical composition.
Flame Spray Pyrolysis
LFP synthesis

* Series of LFP and LMP nano-powder with unique high-productive synthetic technology with allows to control morphology, dispersion and surface coating. By selection of raw materials and technological parameters Olivine LFP and LMP composed materials characterized with high capacity, stability, consistence and process-ability.
Flame Spray Pyrolysis
NMC III synthesis

Standard NMC composition prepared at nano-state with carbon coating to improved rate capability and cyclic efficiency.
Flame Spray Pyrolysis

Overlithiated Oxide synthesis

Next-generation Overlithiated Oxide (OLO) material - layered lithium rich high energy density cathode material with improved coulombic efficiency and cyclic stability by nano-dispersed morphology combined with internal electronic state regulation and coating technology.
CONTACTS

Georgievsky dr. 5
Zelenograd, 124498 Moscow
info@fmlab.ru
www.fmlab.ru