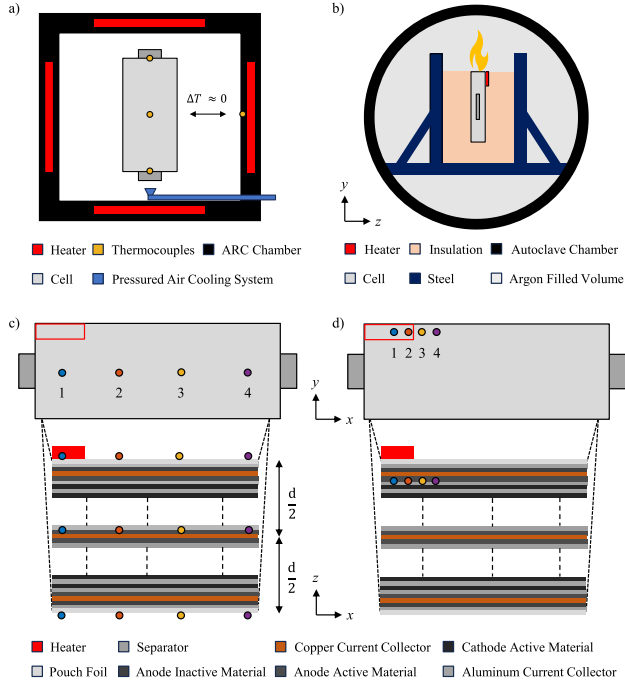
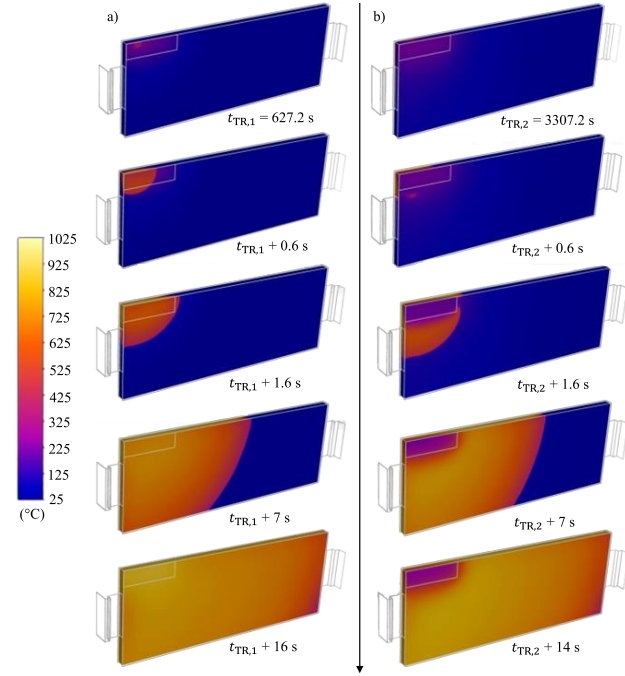


In situ measurement and modeling of internal thermal runaway propagation within lithium-ion cells under local overheating conditions



- Internal temperatures are measured at different positions during TR
- Temperature gradients can significantly delay TR initiation
- The TR front moves faster in-plane than through-plane



Experimental

Parameterization + Validation

Simplified TR Model