

Focus-Session: Materials for Energy Storage

On the one hand efficient energy storage is a necessary prerequisite for a continuous electrical power supply on the basis of fluctuating energy sources like wind and solar energy. On the other hand the replacement of combustion engines in cars by electric motors requires energy storage systems with optimized properties like high power density, high energy density, low discharge and high reliability. The aim of the focus-session will be the discussion of different energy storage concepts with a main focus on capacitors, supercaps and other methods of direct electric energy storage, but not limited to these methods.