



Metal Organic Frameworks (MOFs) Derived Nanomaterials for Energy Storage Applications

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Message from the Guest Editors

Metal-organic frameworks (MOFs) derived various nanomaterials including transition metal layered double hydroxides (LDHs), chalcogenides, porous carbon, etc., are regarded as the auspicious electrode materials for high-performance supercapacitors. However, the MOFs derived materials still suffer from possible agglomeration leading to depletion in electrochemical performance of SCs. In this scenario, some breakthroughs related to MOFs derived nanomaterials are still prescribed for their appropriate implementation from the commercial point of view.

This Special Issue aims to cover the synthesis, characterization, and energy storage applications of MOFs derived nanomaterials, which can ameliorate the designation and development of highly efficient and low-cost electrode materials for supercapacitors. At the same time, we believe that this Special Issue provides some new insights of MOFs-based nanomaterials for electrochemical energy storage applications.

Keywords

- metal organic frameworks (MOFs)
- supercapacitors
- energy density
- power density
- cyclic stability

