



Preparation and Electrochemical Properties of New Carbon Materials

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Message from the Guest Editor

The topics of this Special Issue include, but are not limited to, the following:

- The preparation of new carbon or carbon-based materials including porous carbon, active carbon, graphene, modified graphite, carbon nano-tubes, graphdiyne, carbon fibers and carbon based metallic-oxide;
- Growth mechanisms for new carbon materials;
- Mainstream preparation technologies of new carbon materials;
- Electrode preparation technologies;
- Battery materials used to manufacture new electrochemical devices, such as Li-ion batteries, Li-S batteries, Na-ion batteries, supercapacitors, solid-state batteries;
- Microstructural characterization of carbon materials and electrodes.
- Electrochemical performance assessment, such as capacity, coulombic efficiency, rate performance and cycling stability;
- Electrochemical energy storage mechanisms.





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Message from the Editor-in-Chief

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