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Transition Metal Complex for Electrochemical Energy Storage

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Message from the Guest Editors

This Special Issue on "Transition Metal Complex for Electrochemical Energy Storage" is focused on the synthesis and structure design of transition metal compounds (involving chalcogenides, carbide, nitride, etc.) and their complexes as well as their application in the electrochemical energy storage field, including metal–ion batteries, supercapacitors, Li-S batteries, metal–air batteries and so on. Transition metal complexes have been broadly used as electrode materials and have great potential for development owing to their unique d-band structure and heterointerface. This Special Issue is designed to provide a platform for disseminating knowledge in this field and further promote the development of transition metal complexes in the electrochemical energy storage field.

Keywords:

- transition metal compound
- hybrid electrode materials
- electrochemical energy storage
- heterointerface engineering
- electrochemical reaction mechanism
- surface engineering

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