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Transition-Metal-Based Compounds for Electrochemical Energy Conversion Processes

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Message from the Guest Editors

Dear Colleagues,

Novel materials designed for energy-conversion technologies based on electrochemical processes are gaining more and more attention from the scientific community. The development, processing, and application of these materials define one of the basic ideas behind bio-oriented utilities, such as cell functions, signal transition, or detection and removal of toxins, as well as technologies for renewable energy conversion, including batteries or fuel cells. Regardless of the final destination, high-quality materials based on transition-metal compounds, especially oxides and chalcogenides, together with ecologically friendly production processes and an in-depth understanding of structure-property relationships, are met with various electrochemical methods and techniques.



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Special issue



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Message from the Editor-in-Chief

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