Special Issue

Catalysts for Energy Storage

Message from the Guest Editors

Photo/electrocatalysis is a method of promoting chemical reactions using light energy or electrical energy, which has important application prospects in energy conversion and environmental protection. Designing and preparing highly efficient catalyst materials is a crucial step, which requires a deep understanding of catalytic reaction mechanisms and the interactions between substances on the surface, in order to find new materials that can improve catalytic activity and selectivity. At the same time, the development of advanced catalyst characterization techniques is also a key focus of current research. By using various advanced experimental techniques and analytical methods, a more comprehensive understanding of the role of the catalyst in the reaction process and its structural features can be obtained, providing strong support for optimizing the design of new high-efficiency catalysts. This Special Issue will present the most recent and significant developments in novel high-efficiency catalyst materials and characterization techniques. Original papers on the above topics and short reviews are welcome for submission.

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