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Advanced Heterostructured Materials for Energy-Related Applications

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Message from the Guest Editors

The global concerns regarding fossil fuel exhaustion and related environmental degradation have stimulated tremendous research efforts into the exploration and utilization of renewable and clean energy sources. Energy storage and energy conversion are the two most important technologies in today's sustainable and green energy science and have attracted a great deal of attention for daily applications. To date, substantial novel nanomaterials have been extensively explored for these energy-related fields, however, each material has its problems, restricting their ability to fulfill the requirements for high-performance energy storage and conversion devices. To meet the high technological requirements of future energy-related applications, the development of advanced functional materials is highly desired. Herein, this Special Issue aims to encompass original research works, short communications, and mini-reviews on innovative approaches for the rational design and controllable synthesis of advanced heterostructured materials and their appealing applications in energy-related fields (such as rechargeable batteries, supercapacitors, and catalysis, etc.).



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Special Issue



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Message from the Editor-in-Chief

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