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Trends and Prospects in Advanced Energy Materials 2023

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Deadline for manuscript submissions:
closed (30 November 2024)

Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to summarize the success of the fundamental science and applied research on materials used for harvesting, conversion, storage, transmission, and utilization of energy. The issue will also include achievements in decreasing materials' sensitivity, toxicity, instability, and proneness to decomposition or degradation over a short time. Further additions to this issue will include modern and advanced signal flare compositions, an understanding of the ignition mechanisms, and continuing development of advanced ignition methods. Moreover, techniques for the characterization of energy materials and their output as well as principles and effects of explosions will be discussed in this Special Issue. Topics of interest for publication include but are not limited to:

- ***Novel theoretical approaches to evaluating properties of high-energy materials;***
- ***Synthesis of advanced energy materials;***
- ***Properties of advanced energy materials and ways for their improvement;***
- ***Maintenance of high-energy materials;***
- ***Novel methods for high-energy materials recognition.***

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Guest Editors

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Message from the Editor-in-Chief

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