



Synthesis, Characterization, and Application of Highly Energetic Materials

Guest Editor:

Dr. Xiaogang Guo

Chongqing Key Laboratory of Inorganic Special Functional Materials, College of Chemistry and Chemical Engineering, Yangtze Normal University, Chongqing 408100, China

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Message from the Guest Editor

Highly energetic material is a material that can react quickly and release heat energy under the stimulation of a small amount of external energy. Some reactions are accompanied by loud popping sounds and bright flames. In particular, due to the small size, high activity, and large contact area, nano-sized highly energetic materials have certain surface, volume, and quantum size effects, which have received more research attention. Because of their outstanding heat release ability, energetic materials have been widely used in igniters, thrusters, detonators, sensors, welding repairs, binders, and many other fields.

Any novelty and promising breakthroughs are encouraged to be submitted to this research topic. This Special Issue aims to gather the latest results in simulation, synthesis, advanced characterization, and potential applications of highly energetic materials.





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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

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Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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