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Research on Synthesis, Sintering and Properties of New Inorganic Materials under High Pressure and High Temperature

Guest Editor:

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Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editor

Dear Colleagues,

The synthesis and application of materials under extreme conditions is a research hotspot and frontier of material science. In recent years, with the rapid development of high-pressure science and technology, the fields of physics, chemistry, material science, geoscience, and other disciplines have seen significant development. Especially in materials science, high pressure will change the interaction between atoms and molecules in materials, cause material structure phase transition, and change the properties of materials. The goal of this Special Issue is to showcase the latest achievements of high pressure in the field of inorganic materials and promote the development of inorganic material research. Papers in this Special Issue on “Research on Synthesis, Sintering, and Properties of New Inorganic Materials under High Pressure and High Temperature” can be experimental or theoretical calculation research results on structural transformation, material modification, nanomaterial preparation, material sintering, and so on under high pressure.

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Editor-in-Chief

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Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

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