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High Pressure Materials: Synthesis, Characterization and Properties

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Message from the Guest Editors

This Special Issue focuses on a new approach in advanced materials for high-pressure phase-stable-like diamond and cubic boron nitride for their synthesis and consolidation, for the growth of single crystals like quartz, and for the densification of refractory materials like carbide, boride, nitride, and oxide for their unique properties.

The application of high pressures for the synthesis and characterization of materials obtained at high pressures, including the study of their properties, allows us to observe these phase transitions in situ and/or ex-situ, such as those of graphite–diamond and hexagonal–cubic boron nitride.

This Special Issue aims to give an overview of recent advancements in high-pressure processes/technologies for the synthesis of advanced functional inorganic materials. To this end, we are pleased to invite you to submit a manuscript to this collection. Articles, papers, and reviews are all welcome.

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Message from the Editor-in-Chief

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