



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

Guest Editor:

Prof. Dr. Fang Peng

Institute of Atomic and Molecular
Physics, Sichuan University,
Chengdu 610065, China

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Duncan H. Gregory
School of Chemistry, University of
Glasgow, University Avenue,
Glasgow G12 8QQ, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Chemistry, Inorganic and Nuclear*) / CiteScore - Q2 (*Inorganic Chemistry*)

Contact Us

Inorganics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/inorganics
inorganics@mdpi.com
X@inorganics_MDPI