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Phase Transformations in Materials with Perovskite Structure

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Message from the Guest Editors

Perovskite materials have important physical properties, many of which are used in modern applications. Studying their phase transitions provides useful ways to understand the origin of their properties and thus propose new materials. A fundamental understanding of the crystal structure, electronic structure, electronic processes, phase boundaries, and phase transformations underline the development of perovskite systems with improved or novel features that can lead to groundbreaking applications.

The current issue will be chiefly devoted to the characterization of the phase transitions in materials with a perovskite structure, presenting new experimental and theoretical advances. Scientists working in a wide range of disciplines are invited to contribute to this issue.

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Editor-in-Chief

Prof. Dr. Helmut Cölfen
Physical Chemistry, Universität Konstanz, Germany

Message from the Editor-in-Chief

Crystals are a very important class of structured material, both from a scientific and technological viewpoint. In 2011, the Nobel Prize in Chemistry was awarded to Dan Schechtman for his work on quasicrystals. Our journal already expresses in its name *Crystals* that its focus centers around all aspects of this class of materials, which has fascinated humankind from its beginning. Despite decades of research on crystals, it remains a hot and fascinating research topic.

Crystals is a good platform for dissemination of knowledge in this area.

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