Special Issue

Structure, Properties, and Bonding in Solid State Compounds

Message from the Guest Editor

Materials' properties depend on the interplay of the chemical composition and crystal structure of their underlying solid-state compounds, as well as of their chemical bonding and electronic features. Structure–property relationships are by no means an outdated topic. On the contrary, they contain the key ingredients necessary to understand and tailor materials' properties for a broad variety of applications. Today's sophisticated characterization techniques, modern computing power, and robust codes for quantum chemical calculations combined with innovative ideas lead to astonishing insights into solid-state matter and may pave the way for future technologies.

The current Special Issue provides a unique forum that allows for the dissemination of results in research areas related to these topics. Scientists working in all fields of solid-state and materials chemistry are invited to use this unique opportunity for presenting their work.

Guest Editor

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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.

Editor-in-Chief

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