Special Issue

Advanced Inorganic Semiconductor Materials, 3rd Edition

Message from the Guest Editors

Building upon the success of the first and second editions, which published over 10 papers, we continue onto the 3rd edition. The information technology revolution has been based decisively on the development and application of inorganic semiconductors. Conventional devices utilize bulk semiconductors in which charge carriers are free to move in all three spatial directions. For example, silicon forms the basis of the vast majority of electronic devices, whilst compound semiconductors such as gallium arsenide are used for many optoelectronic applications. Recently, with the global boom in graphene research, more and more atomically thin two-dimensional inorganic materials have gained significant interest. Besides their promising applications in various ultrathin, transparent and flexible nanodevices, 2D materials could also serve as one of the ideal models for establishing clear structure–property relationships in the field of solid-state physics and nanochemistry.

We look forward to receiving your contributions.

Guest Editors

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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.

Editor-in-Chief

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