Special Issue

Advances in Transition Metal Chalcogenides

Message from the Guest Editor

Transition metal chalcogenides, particularly their two-dimensional forms (e.g., MoS2, WS2, TiS2), have emerged as a diverse and promising class of materials owing to their tuneable electronic structures, strong light–matter interactions, and catalytic versatility. These materials are increasingly applied in fields such as energy storage, catalysis, sensing, photodetection, and optoelectronics. We welcome contributions from both experimental and theoretical studies that advance fundamental understanding or offer technological innovation in this domain. Topics include, but are not limited to, the following:

- Controlled synthesis and doping strategies;
- Electronic, optical, and magnetic property engineering;
- Nanocomposites and hybrid structures;
- Energy conversion and storage devices;
- Catalysis and environmental applications.

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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