

Special Issue

Advanced and Emerging Inorganic Semiconductor Materials

Message from the Guest Editor

The entire electronic world relies on inorganic semiconductors, which are the basis for most electronic components, including integrated circuits. The most commercially important inorganic semiconductors in these elements are silicon and germanium. Specifically, gallium arsenide is known for its high electron mobility and efficiency in optoelectronic applications. Other prominent inorganic semiconductors are indium phosphide, which is often integrated in high-frequency and high-power applications. Gallium nitride is important for high-power and high-frequency applications. Cadmium telluride is widely used in thin-film solar cells due to its efficiency and cost-effectiveness. The improvement of the traditional inorganic semiconductors and the development of emerging materials are currently focused on several key directions to enhance the efficiency, functionality, and sustainability of the semiconductor technologies for future electronics. This Special Issue welcomes the submission of original papers and/or review articles focused on the development, characterization, processing, and integration of advanced and emerging inorganic semiconductors and beyond.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

I am delighted to introduce the new online open access journal *Electronic Materials* (ISSN 2673-3978). The aim of *Electronic Materials* is to publish high-quality and high-impact research papers, as well as review articles addressing recent advances in fundamental science, engineering, and practical applications of electronic materials. The interdisciplinary topics of the journal include materials science, device engineering, and the physics of electronic and magnetic properties. *Electronic Materials* also welcomes Special Issue proposals from academics and industrial researchers from all related fields. We encourage scientists and engineers worldwide to publish their innovative ideas and cutting-edge developments and technologies in the field of electronic materials.

The journal is now open for submission and the Editorial Team welcomes your manuscripts for publication.

Editor-in-Chief

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