

Special Issue

Advanced Coatings and Thin-Film Materials for Power and Radio-Frequency Electronics

Message from the Guest Editors

This Special Issue aims to highlight recent advances in the development of Wide-bandgap (WBG) and ultra-wide-bandgap (UWBG) semiconductor materials for power and RF electronics. It provides a platform for researchers to present their original research articles and comprehensive review papers. Potential topics include, but are not limited to, the following:

- Materials engineering of III-nitrides, oxides, diamond, and related materials;
- Advanced coatings for thermal management and surface passivation;
- Defect engineering;
- Advanced characterization of carrier transport;
- Thermal conductivity and phonon transport;
- Power and RF electronic devices.

We look forward to receiving your contributions.

Guest Editors

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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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