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Wide Band Gap Semiconductors: From Growth to Applications

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Message from the Guest Editors

Dear Colleagues,

The development of efficient and environmentally friendly semiconductor devices is a great challenge. Among the materials of present and future perspective are wide bandgap semiconductor materials. The recent progress in crystal growth, theoretical modeling, understanding of as-grown and/or intentionally introduced defects, and numerous applications has offered a new perspective for wide bandgap semiconductors such as SiC, GaN, Ga₂O₃, diamond, and others.

This Special Issue of *Materials* is dedicated to all aspects related to the growth, material characterization, modeling, and applications of wide bandgap semiconductors with the aim to provide an overview of the issues of current interest and future perspectives. Researchers working in the field are invited to contribute.

Potential topics of interest include but are not limited to the following: growth and characterization techniques of crystalline materials; wide bandgap semiconductors; SiC, GaN, Ga₂O₃, diamond; device applications; modeling, first-principles calculations, etc.; deep level transient spectroscopy; electron paramagnetic resonance.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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