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Semiconductor Optoelectronic Materials and Devices

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Message from the Guest Editor

Materials publishes original papers and review articles on the design, synthesis, characterization and applications of optoelectronic materials.

This issue will bring together outstanding papers reporting new and original work in the following areas: (1) applications of semiconductor physics and technology to electronics and optoelectronics, including theory and device design with appropriate experimental backup; (2) optical, electrical, morphological characterization techniques and parameter extraction with experimental application to real devices; (3) device fabrication and synthesis, including device-related new materials growth, electro-optical characterization and performance evaluation; (4) the physics and modeling of submicron and nanoscale microelectronic and optoelectronic devices, including processing, measurement, and performance evaluation; (5) modeling and simulation of solid-state devices and processes with appropriate experimental backup; (6) nanoscale electronic and optoelectronic devices for various applications, including photovoltaics and sensing.





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Message from the Editor-in-Chief

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