



sensors



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Recent Advances of Optoelectronic Devices and Semiconductor Sensors

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Message from the Guest Editors

Optoelectronic devices play essential roles in many aspects of our daily lives, such as fiber communications, solid-state lighting and display technology. VCSELs have also become key devices in local area networks, driven by new functions in smartphones and vehicles. In the past several decades, sensors have improved the manufacturing technologies in industry sectors and changed the lifestyles of human beings. Due to the development of autonomous vehicles and electric vehicles and advanced manufacturing technologies in industry, many semiconductor sensors have gained great momentum. Furthermore, MEMS sensors made by bulk semiconductor processing technology are used to design different sensors (e.g., pressure, temperature, vibration and chemical sensors). Recently, the developments in wearable devices have helped to improve the quality of healthcare in a fascinating way.

This Special Issue is addressed to all types of optoelectronic devices and semiconductor sensors using new semiconductor materials, new processes, or new structures. We aim to address new trends in the materials, theory, practice, and applications of the most recent optoelectronic technologies and semiconductors.



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Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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