Special Issue

Sensors in Vision Research and Ophthalmic Instrumentation

Message from the Guest Editor

Ophthalmic optics and related disciplines have been expanding steadily, providing scientists and doctors with priceless multidisciplinary information in addition to enabling new diagnostic and therapeutic methods. New scanning and imaging technologies have had a tremendous impact on ophthalmology, where information about the fovea and the optic nerve is essential. A number of ophthalmic diagnostic technologies have been developed and refined. Numerous relevant technologies have emerged, such as liquid-crystal-based spatial light modulation, liquid crystal lenses, wavefront correction, Jones matrix OCT, birefringence and depolarization imaging, photoacoustic microscopy, etc., all holding promise for further improving the precision of sensors used in vision research and ophthalmic instrumentation.

Guest Editor

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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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