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The journal is divided into four main sections:

Principles: covering studies into the fundamental theoretical understanding of the origins and mechanisms of nonlinear optical processes; theoretical studies of application of controlled optical field to quantum information processing including quantum communication and computation and fundamental problems of quantum mechanics related to quantum information processing.

Experimental: devoted to papers on the discovery of new nonlinear optical phenomena, measurement of nonlinear optical processes; observation of ultrafast and fast nonlinear optical processes, and the characterization of nonlinear optical materials by new measurement methods; demonstration and proposal of non-classical information processing using manipulated optical field.

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Devices: featuring fundamental research articles on applications to devices, optical switches, optical bistable devices, phase conjugation, and optical logics; prototypical device operation demonstrating the quantum features of optical fields.

The journal recognizes the multi-disciplinary nature of this field, and will include materials science and device implementation material, the physiological aspects as well as information science. The editors place emphasis on the importance of mutual interaction among the fields.

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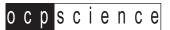
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