



photonics



Special Issue Reprint

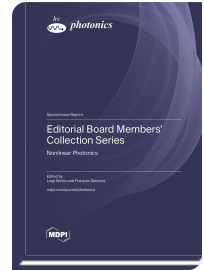
Editorial Board Members' Collection Series

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The present Special Issue (SI), entitled “Editorial Board Members’ Collection Series: Nonlinear Photonics”, aims to highlight the current state of the art, some recent advances, and perspectives for further development. Fundamental and applicative aspects have been considered, with special attention given to the hot topics that could lead to technological and scientific breakthroughs. Contributions were solicited from both leading researchers and emerging investigators. As a result, this SI contains two reviews and nine research articles, which can be divided into three groups. The first group of papers highlights new physical effects, regarding nonclassical states of light, shaping the noise statistics of quantum states of light, anomalous diffusion in disordered photonic systems and the modulation of chirped Gaussian soliton molecules in extra-cavity optical fiber modulation systems. The second group is devoted to the current issue of identifying efficient device integration platforms. The last group of papers is dedicated to some of the most important application fields of nonlinear photonics. It is our hope that this Special Issue will serve as a stimulus for students and researchers to further expand the potential of nonlinear photonics devices via fundamental investigations and practical applications.



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