Special Issue

Ring Resonator-Based Photonic Devices and Systems

Message from the Guest Editor

Several configurations of resonant cavities with an ultra-high Q-factor have been proposed as key components in telecommunications, quantum electrodynamics and sensing applications. In particular, Whyspering Gallery Mode resonators with different sizes and shapes have been exploited to tailor the resonator response, in compliance with the target application requirements. The aim of this Special Issue is to collect original contributions on the advances in resonator-based photonic devices, including, but not limited to, innovative resonator configurations, functional materials, experimental testing, technological processes, and innovative applications, as well as their integration at a system level.

Guest Editor

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Optics (ISSN 2673-3269) aims at establishing *Optics* as a leading journal for publishing high impact fundamental research and applications in optics field with a fast processing time and high quality service. The journal particularly welcomes both theoretical (simulation) and experimental research within our journal's scope. We encourage scientists to publish their experimental and theoretical results in as much detail as possible. So, there is no restriction on the length or pages of the papers. The full experimental details must be provided so that the results can be reproduced. Electronic files and software regarding the full details of the calculation or experimental procedure, if unable to be published in a normal way, can be deposited as supplementary electronic material.

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