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

Dr. Giuseppe Brunetti

Optoelectronics Laboratory, Department of Electrical and Information Engineering, Polytechnic University of Bari, 70125 Bari, Italy

Deadline for manuscript submissions

closed (10 July 2023)

Optics

an Open Access Journal by MDPI

Impact Factor 1.1
CiteScore 2.2

mdpi.com/si/80188

Optics
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
optics@mdpi.com

mdpi.com/journal/optics

Optics

an Open Access Journal by MDPI

Impact Factor 1.1
CiteScore 2.2

mdpi.com/journal/optics

About the Journal

Message from the Editorial Board

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.

Editors-in-Chief

Prof. Dr. Costantino De Angelis
Department of Information Engineering, University of Brescia, 25123 Brescia, Italy

Prof. Dr. Thomas Seeger
Institut Fluid- und Thermodynamik, Lehrstuhl für Technische Thermodynamik, Universität Siegen, Paul-Bonatz-Straße 9-11, 57076 Siegen, Germany

Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the second half of 2024).

Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and reviewer names published annually in the journal.