Special Issue

Advances in High-Power Diode Lasers

Message from the Guest Editor

We are pleased to announce this Special Issue of the MDPI journal “Advances in High-Power Diode Lasers”. Generating high-power laser light has developed as a versatile tool for research and industry, and has reached even the consumer market. However, demand is still growing for higher power, specific wavelengths, higher efficiency and elevated beam quality. Due to their high conversion efficiency and compactness, diode lasers are suitable for a wide range of applications. They are the main source of laser light, either for direct use or as pump sources for other systems. Therefore, research into laser materials, epitaxial growth, active region geometry, heat sink and interconnection technology, electronic control and power sources, optical interconnects, and applications of the laser light are of high interest. This Special Issue is dedicated to combining the expertise in this field and offering a picture of the state-of-the-art research. Keywords

- Defect mechanisms
- GaN-based, GaAs-based
- Catastrophic optical damage
- Frequency tuning

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2022)

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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