

Special Issue

Advances in Fiber Lasers in the 1–2 μm Band: From Continuous-Wave to Ultrafast Regimes

Message from the Guest Editor

This issue addresses the most recent advances in the design, underlying physics, and implementation of fiber lasers operating within this spectral window, encompassing continuous wave (CW) sources as well as pulsed systems based on Q-switching and mode-locking techniques. In addition, emerging ultrafast modulation methods are considered, which enable laser emission to be tailored to specific requirements in terms of power, pulse duration, and repetition. Current technological challenges and the strategies adopted to improve the efficiency, stability, and compactness of these systems are also discussed, especially compared to competing technologies that do not rely on saturable absorbers. Collectively, these developments underscore the key role of fiber lasers as adaptable and high-performance platforms for next-generation scientific and industrial applications.

Guest Editor

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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.

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