Special Issue

Recent Progress in Ultrafast Fiber Lasers

Message from the Guest Editors

Ultrafast fiber lasers have intensively improved the development of precise micromachining, space sensing measurement, nonlinear microscopy, advanced spectroscopy, high-power supercontinuum, terahertz generation, ultrafast scientific research, and so on. High power, high energy, and short pulse duration are the main development directions of ultrafast fiber laser sources. Meanwhile, wide spectrum, multi-wavelength and wavelength tunability, and pulse repetition rate as high as GHz are all important directions. This Special Issue, entitled “Recent Advances in Ultrafast Fiber Lasers”, will welcome basic, methodological, and applied cutting-edge research contributions, as regular and review papers.

- ultrafast fiber laser
- fiber mode-locking;
- ultrashort pulse amplification;
- large-mode-area fiber amplifier;
- nonlinear spectrum broadening;
- nonlinear pulse amplification;
- nonlinear pulse compression
- high-order harmonic generation;
- wavelength conversion and tuning;
- optical parametric amplification;
- Stabilized ultrafast lasers;
- Ultrashort pulse sensing

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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JCR - Q2 (Optics)

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).