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Journal of Infrared, Millimeter, and Terahertz Waves

ISSN: 1866-6892 (Print) 1866-6906 (Online)

Description

New 2012 Impact Factor 1.120*The Journal of Infrared, Millimeter, and Terahertz Waves offers a peer-reviewed platform for the rapid dissemination of original, high-quality research in the frequency window from 30 GHz to 30 THz. The topics covered include: sources, detectors, and other devices; systems, spectroscopy, sensing, interaction between electromagnetic waves and matter, applications, metrology, and communications. Manuscripts submitted to the Journal should discuss a significant advancement to the field of infrared, millimeter, and terahertz waves. Manuscripts can be submitted to one of the following categories:Letters: Short articles of particular interest to the community. The review process will be expedited for this manuscript category.

Sources: Including systems based on photoconductive antennas and related techniques, resonant tunnelling diodes, microwave devices, vacuum tube based sources, free electron lasers, synchrotrons, high power microwave sources, gas lasers, quantum cascade lasers and sources relying on parametric down conversion.

Detectors: THz detectors, detector arrays or part of detectors such as mixers or antennas.

Devices: Modulators, reflectors, filters and waveguides as well as metamaterial-based devices.

Systems: Including entire emitter-receiver systems, imaging systems, characterization of systems, but also data extraction algorithms and metrology problems.



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Academic edition

Spectroscopy: Interaction between THz waves and all states of matter; includes THz spectroscopy on solids, liquids, gases, and plasmas.

Applications: Manuscripts which discuss possible applications e.g. e.g. for industrial inspection, bio-medical sensing, material science, and communications. Further information and submission guidelines can be, found on the journal homepage - http://www.springer.com/journal/10762 *Impact Factor: 1.120 (2012), Journal Citation Reports®, Thomson Reuters

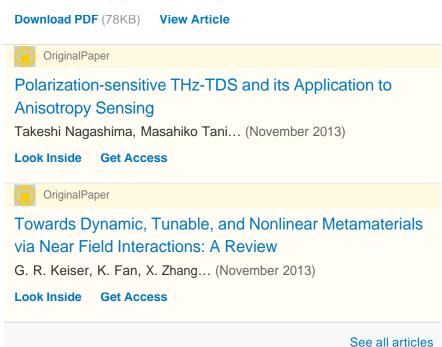
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2013

Electronics Print ISSN Engineering 1866-6892 Aerospace

Online ISSN 1866-6906

Publisher Springer US

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