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Mid-Infrared Coherent Sources and Applications by Majid Ebrahim-Zadeh, Dec 20, 2007, Springer edition, paperback

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This feature issue, based on the OSA Topical meeting on Mid-Infrared Coherent Sources (MICS), focuses on the most recent advances in mid-infrared to THz science and technology, from materials to laser sources and applications.

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Coherent sources of mid-infrared (mid-IR) radiation are of great interest for a wide range of scientific and technological applications from spectroscopy and frequency metrology to information technology, industrial process control, photo-chemistry, photobiology and photomedicine.

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Mid-infrared Coherent Sources ... integrated photonics for frequency combs and continuum generation, as well as the application of mid-IR and THz sources in remote sensing, spectroscopy, frequency synthesis, imaging, and biomedicine. ...

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Mid-Infrared Coherent Sources and Applications by Majid Ebrahim-Zadeh, 9781402064395, available at Book Depository with free delivery worldwide.

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Covering fundamental principles and the state of the art, this is a collection of reviews from experts in mid-infrared (mid-IR) coherent sources. Among the sources covered are optical parametric oscillators, difference frequency generators, and the most recent broadband crystalline, quantum cascade, and fiber lasers.

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Coherent sources of mid-infrared (mid-IR) radiation are of great interest for a wide range of scientific and technological applications from spectroscopy and frequency metrology to information technology, industrial process control, photochemistry, photobiology and photomedicine. The mid-IR

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Mid-infrared coherent sources and applications: introduction MAJID EBRAHIM-ZADEH<sup>1,\*</sup> AND KONSTANTIN VODOPYANOV<sup>2</sup> <sup>1</sup>ICFO-The Institute of Photonic Sciences, 08860 Barcelona, Spain <sup>2</sup>University of Central Florida, CREOL-The College of Optics & Photonics, University of Central Florida, Orlando, Florida 32816-2700, USA \*Corresponding author: majid.ebrahim@icfo.es ...

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