

<<超快和纳米光学>>

图书基本信息

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### 内容概要

《超快和纳米光学》收集了32 articles that are presented in the international symposium of "Ultrafast and Nano Optics" held in Beijing University of Technology in October , 2007. A variety of focused topics were covered by this symposium , including ultrafast laser technology, laser micromachining, time-resolved spectroscopy, nano-fabrication and characterization, micro- and nano-scale organic and inorganic optoelectronics. The articles have been reorganized systematically so that they may provide a useful resource and a good reference for the graduate students and for the scientists in the fields of optics, laser technology, nanoscience and nanotechnology, and condensed matter physics.

## 书籍目录

Section Ultrafast Optics and Applications  
 Polymer Optical Fiber Amplifiers Based on Conjugated Fluorene Oligomers  
 Femtosecond Laser Applications in Micro/Nano Science and Technology  
 Timing Distribution with Femtosecond Lasers  
 Femtosecond Petawatt Ti:sapphire Laser in SIOM  
 Femtosecond Filaments in Air: Multi-pulses Carrying Phase Dislocation  
 Generation of High Energy Picosecond Laser Pulse at Near-Vacuum Ultraviolet by Sum Frequency  
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 Supercontinuum Generation in Tapered Fiber and Propagation Characteristics of Femto-Second Pulse  
 Even-and Odd-Parity Exciton-Dissociation States Resolved Using Tunable Multi-Photon Excitation in Polyfluorene  
 Section Nano Optics and Technology  
 Photonic Bandgap Structures with Organic Materials for Lasing Applications  
 Temporal Dynamics of the Yellow Mn Internal Luminescence of Zn<sub>1-x</sub>Mn<sub>x</sub>S Nano-spheres of Different x  
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 Optical Properties of the Microstructures of the Iridescent Scales in Butterflies  
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 Section Other Topics  
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 Wavelength Demodulation Device with High Resolution  
 Analysis of Pulse Width Expanded on Diversified Dispersions in Fibers

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