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a spectral-domain optical coherence tomography device, "New problems of femtosecond time-domain CARS of "Pulse shaping strategies for nonlinear

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resolved terahertz spectroscopy." Opt. Express Optics Express 15 "Time-domain upconversion by-line pulse shaping." Opt. Express Optics Express

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Femtosecond pulse shaping technology and its

pulse shape in time domain can be obtained, and this femtosecond laser pulse shaping technique provides a new experimental tool to study Femtosecond pulse

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in Carbon Nanotubes using Femtosecond Pulse Shaping." on Terahertz Technology "Time-Domain Terahertz Magneto-Spectroscopy of an Ultrahigh

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Publications

Zhang Ze-Yu, Lin Xian Femtosecond pulse shaping by Our results demonstrate that the polarized terahertz time-domain spectroscopy is a

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Thz acoustic phonon spectroscopy and nanoscopy by

but also some more advanced technique to realize acoustic pulse shaping. Using femtosecond pump probe spectroscopy with a in the time domain,

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excitation and THz probe femtosecond spectroscopy. based on femtosecond pulse-shaping technology. nanotubes using femtosecond pulse shaping.

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Study of morphological effects on terahertz

Study of Morphological Effects on Terahertz Spectra using Ammonium Nitrate Amartya Sengupta, Aparajita Bandyopadhyay, John F Federici

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Dielectric study of normal alcohols with thz time

Complex permittivity measurements of a series of normal alcohols (methanol, ethanol, 1-propanol, 1-butanol, and 1-pentanol) are performed by THz time-domain spe

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Spie | issue

Absolute distance measurement by spectrally resolved interferometry based on a femtosecond pulse terahertz time-domain spectroscopy. Pulse shaping , Fiber

Direct frequency comb spectroscopy - sciencedirect

The precision and control of both the frequency and time domain achievable with femtosecond pulse shaping technology. using a femtosecond laser frequency comb.

Terahertz time-domain spectroscopic study of

A new compact instrument of terahertz time-domain spectrometry (THz-TDS) has been developed to expand the THz-TDS adaptation for far-infrared quantitative

Warren s. warren | fitzpatrick institute for

Yu, J; Gooden, D; Warren, Warren, WS, Femtosecond pulse train shaping improves two The Journal of Physical Chemistry Part A: Molecules, Spectroscopy,

Comparative dielectric study of pentanol isomers

Using terahertz (THz) time-domain spectroscopy, we have measured the complex permittivity of seven pentanol isomers (1-pentanol, 2-pentanol, 3-pentanol, 2-methl

Introduction - springer

sensing using terahertz time-domain spectroscopy K., Terahertz time-domain study of a terahertz pulse shaping in 3-D using

Materials research society

Time-domain terahertz spectroscopy is a powerful By combining the THz time-domain spectroscopy measurements using spatiotemporal femtosecond pulse shaping

Biography - rensselaer polytechnic institute

Measurement of Spatio-Temporal Terahertz Field Distribution by Using Chirped Pulse Technology Terahertz time-domain spectroscopy Pulse Shaping and

Time- domain simulations of nonlinear interaction

pulse shaping [4], terahertz spectroscopy Time domain envelopes of Time-domain simulations of nonlinear interaction in microring resonators using finite

Multidimensional attosecond resonant x-ray

which uses radio waves to study spins, where the pulse technology had time-domain Raman spectroscopy, in a terahertz light field by femtosecond X

Terahertz study of 1,3,5-trinitro-s-triazine by

Terahertz study of 1,3,5-trinitro-s-triazine by time-domain and Fourier transform infrared spectroscopy Feng Huang, Brian Schulkin, Hakan Altan, John F. Federici,a

Terahertz radiation - wikipedia, the free

In physics, terahertz radiation also known as submillimeter radiation, terahertz waves, tremendously high frequency, T-rays, T-waves, T-light, T-lux or THz

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coherence and pulse shaping, terahertz technology, Terahertz Time-Domain Spectroscopy in Lin, T. M. Uen, T. Kobayashi. P32. FEMTOSECOND STUDIES

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Terahertz for military and security applications

People screening using terahertz technology High-speed time domain terahertz security imaging Terahertz reflection spectroscopy for explosives detection

Experimental study of a terahertz time-domain

Feb 08, 2014 Abstract: We construct a terahertz time-domain spectrometer (THz-TDS) system based on photoconductive antenna (PCA). A 800 nm Ti sapphire femtosecond laser

Spie | volume

Nonlinear femtosecond pulse tuning of 2-D photonic Pulse shaping, Modulators, Optical Finite-difference time-domain method, Interfaces, Lithium

Osa | oe vol. 15 iss. 25

Ke-Ming Wang, Feng Chen, Xue-Lin Wang, Liang studied with terahertz time-domain spectroscopy. spectra using femtosecond pulse-shaping Technology.

Osa | oe vol. 17 iss. 23

High power pulsed fiber MOPA system incorporating electro-optic modulator based adaptive pulse shaping. Dejjiao Lin, and A terahertz time-domain spectrometer

Proceedings of spie volume 5725

Optical pulse-shaping using ultrafast phase transformation in vanadium dioxide Jing Yu Lin; Femtosecond study of interplay between excitons,

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[PDF]J Shang, Z Luo, C Cong, J Lin, T Yu - Applied all-fibered femtosecond pulse using a reflection-type terahertz time-domain spectroscopy.

Femtosecond laser photoelectron spectroscopy

FEMTOSECOND LASER PHOTOELECTRON SPECTROSCOPY ON developed technology of pulse shaping to manipulate laser pulse shape in the time domain by phase

Optical spectroscopy using gas-phase femtosecond

Optical Spectroscopy Using Gas-Phase in air that can be detected in either the time domain pollutants using femtosecond laser pulse

Systematic study of terahertz time-domain spectra

The potential of terahertz-time domain spectroscopy (THz-TDS) as a diagnostic tool for studies of inks in historical documents is investigated in this paper.

Time-domain study (tds) of thz quantum structures

Time-domain study (TDS) of THz quantum structures. In a recent pioneering work, phase-resolved measurements of a THz QCL structure were performed using ultrafast

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2007 conference on lasers and electro-optics

The Impact of Ultrashort Femtosecond Pulse-Shaping Technology for Terahertz time-domain spectroscopy of crystalline (Lin H., Yu P.), s. 1