Publikationer

An Accurate Programmable Pulse Generator for Stepper Actuated Real-Time Control Systems

Experimental and Numerical Investigation of a Photoacoustic Resonator for Solid Samples: Towards a Non-Invasive Glucose Sensor

Experimental evaluation of a method for simulation based learning for a multi-agent system acting in a physical environment

Bio-inspired design and movement generation of dung beetle-like legs

Towards Printing Mechatronics: Considerations for 3D-printed conductive coupling

Fourier collocation approach with mesh refinement method for simulating transit-time ultrasonic flowmeters under multiphase flow conditions
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Mechanically bent graphene as an effective piezoelectric nanogenerator

Acousto-optical phonon excitation in cubic piezoelectric slabs and crystal growth orientation effects

A Fourier Collocation Approach for Transit-Time Ultrasonic Flowmeter Under Multi-Phase Flow Conditions

Acousto-optical phonon excitation in piezoelectric wurtzite slabs and crystal growth orientation effects

Bio-Inspired Design and Kinematic Analysis of Dung Beetle-Like Legs
Induction motor model with imbalance and leakage saturation

Modeling and identification of hysteresis with modified Preisach model in piezoelectric actuator

Plasmon Modes of Vertically Aligned Superlattices

A Theory of generalized Bloch oscillations

Modeling Induction Motor Imbalances: A Non-DQ Approach

Modelling of transit-time ultrasonic flow meters under multi-phase flow conditions

Hybrid Surface Plasmon Polariton Modes of Subwavelength Nanowire Resonators

Purcell effect of asymmetric dipole source distributions in nanowire resonators
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Bloch-Like Oscillations in Finite Quantum Structures

Forces in Liquid Metal Contacts

Near Infrared Photoacoustic Detection of Heptane in Synthetic Air

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Laplace boundary-value problem in paraboloidal coordinates

Modeling Frequency Response of Photoacoustic Cells using FEM for Determination of N-heptane Contamination in Air: Experimental Validation
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Oil contamination photoacoustic sensor system

Modeling Frequency Response of Photoacoustic Cells using FEM for Determination of N-heptane: Experimental Validation

Finite Element Simulation of Photoacoustic Pressure in a Resonant Photoacoustic Cell Using Lossy Boundary Conditions

Crystal orientation effects on wurtzite quantum well electromechanical fields

FEM analysis of cylindrical resonant photoacoustic cells

Crystal orientation effects on the piezoelectric field of strained zinc-blende quantum-well structures