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Nota di contenuto	Advanced Measurement and Test IV; Preface and Organization Committee; Table of Contents; Chapter 1: Materials Science; Adsorption of the Polyvinylidene Fluoride-Based Metal Affinity Membrane towards Bovine Serum Albumin; Monomer Reactivity Ratios and Chain Segment Distribution for AM/2-EHA Copolymer; The Preparation and Characterization of AM/2-EHA Copolymer as Profile Control Agent; The Domain Dynamic in Fe-Based Amorphous Alloy Ribbons by Means Inductance Spectroscopy; In Vitro Antitumor Efficacy of Puerarin Nanosuspension against Human HepG2 Cells Dependence of Granular Matrix Demagnetizing Factor on the Matrix Relative Size Study on Microstructure and Phase Composition of Co-8.8 Al-9.8W Superalloy with Alloying Element Tantalum; Water-Resistance Material from Fibers and Acrylic Emulsion Terpolymer; Quercetin Molecularly Imprinted Polymers and its Application in the Separation and Analysis of Natural Products; Fast and Efficient Synthesis of Mono-(6-p-toluenesulfonyl)-cyclodextrin via Ultrasound Assisted Method; Study on Phase Stability of Hexagonal Ba(Ti _{0.95} Fe _{0.05})O ₃ - Ceramic via Temperature-Dependent X-Ray Diffraction Chapter 2: Material Processing and Testing Technology The Experiment Research on Storage Characteristic of Multiple Melting Point PCM; Surface Modification of SKD 61 by Electrical Discharge Coating

(EDM/EDC) with Multilayer Rectangular Cross-Section Electrode and Jatrophia curcas as Dielectric Fluid; The Regular Pattern of Demagnetizing Factor Behaviour of Various 'Cores' of Granule-Ball Chains; Determination of Nitrophenol Isomers in Water; RP-HPLC-UV Method for Simultaneous Determination of Isoflavonoids in Huangqi Gegen and its Markted Formulations
GFRP Bar: Determining Tensile Strength with Bending Test
Research on Parameter Optimization of Mixed Gas IR SVM Calibration Model; Measurement of Thermo-Radiation Characteristics of IR Window Materials; Accurate Measurement on Cross Sectional Area of Single Filaments Using a Desktop SEM; Chapter 3: Monitoring, Detection, Testing and Measurement Systems and Technologies; A Research on High-Precision Strain Measurement Based on FBG with Temperature Compensation; Development of Temperature and Magnetic Field Monitoring System of ITER HTS Magnet
Surface Condensation Assessment Using Probabilistic Calculation
Comparison of Optical and Scintillation Images Obtained by Using a Fiber-Optic Beta/Gamma Imaging Detector; Stereo Image Matching Based on SURF Descriptor; A Method of Experimental Design for GNSS-Dot Net under Jamming Attack; A New Model to Accelerate Data Collection; Frequency Measurement and Analysis on Liquid-Filled Pipe Based on Fiber Bragg Grating Sensor; Simulation Analysis of the Multi-Parameter Influence on FBG Peak Reflectivity; Influence of Transformer Rated Secondary Load Differences on Electric Energy Metering
Testing Level Measurement Devices by Imitating Sensor Signals

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 4th International Conference on Advanced Measurement and Test, (AMT 2014), November 1-2, 2014, Wuhan, China. The 37 papers are grouped as follows: Chapter 1: Materials Science; Chapter 2: Material Processing and Testing Technology; Chapter 3: Monitoring, Detection, Testing and Measurement Systems and Technologies
