## **Table of Contents**

## **Preface and Committee**

## **Chapter 1: Materials Engineering and Science**

Damage Analysis for Multilayer Composite Material Y.Y. Yao, L.P. Zhao, S. Hu and W.J. Bai	3
Dynamic Properties of NiTi Shape Memory Alloy under Combined Compression-Shear Loading	
Q.Z. Song and Z.P. Tang	7
Ultrasonic TOFD in the Application of Thick Wall Tube Welding Seam Detection Pre- Research C. Lu, Q. Wang and F.N. Liu	12
Effect of Calcination Temperature on the Structure and Electrochemical Performance of	12
LiNi <sub>0.4</sub> Co <sub>0.2</sub> Mn <sub>0.4</sub> O <sub>2</sub> L. Zhang, F. Luo, J.H. Wang and Y.Z. Guo	18
Effect of High Temperature Stays Process on Ultra-Low-Carbon Bainitic Steel without Nb, Ti and other Metal Compounds Forming Elements W.W. Yang, Q.S. Liu and L.J. Yuan	23
Experimental Research and Simulation Analysis on Composite Structure Embedded Optical Fiber Sensor under Impact Load F. Gao, H. Song and W.J. Wang	27
<b>Magnetic Properties of Nano Zerovalent Iron Particles Coated with Biopolymers</b> D.Q. Xue	32
Acoustic Emission Attenuation and Source Location of Resin Matrix for Wind Turbine Blade Composites	26
Y.R. Pang, Ž.H. Lv, X.M. Liang, H.C. Chai, R.C. Liu, S.Q. You and W. Zhou	36
Adsorption Kinetics for the Extraction of Cesium(I) from Aqueous Solutions on Potassium Zinc Hexacyanoferrate D.D. Gao, X. Liu, S.J. Bian, W. Li and M. Wei	40
Analysis on the Bonding Property of the Propellant and Liner G.H. Chen, J. Tian, C. Liu, D. Li and X.H. Lu	44
Application of Low-Strain Dynamic Detection to Concrete Piles G.D. Deng, J.S. Zhang, W.Q. Liang, F. Meng and X. Shi	48
<b>Application of Stabilizer to Improvement the Saline Soil in Lor Nur Lacustrine</b> J. Ci and Y.F. Zhang	53
<b>Biological Activity Studies on a Copper(II) Complex with Taurine Schiff Base</b> M. Li, G.P. Yang and H. Liang	57
Characteristics of Magnetic Susceptibility of Rocks from the Iron-Copper Deposit in Dongchuan Region of Yunnan J. Lu	61
Characteristics of Magnetic Susceptibility of the Cores in Yinmin Mining Area	01
J. Lu and W.X. Fang	65
Corrosion Resistance of Ultrafine-Grained Pure Cu D.R. Fang, L.W. Quan and J. Yang	69
Decontamination of HD on the Surface of Military Uniform by Vaporous Hydrogen	
Peroxide J. Gu, X.Z. Zhu, T. Liang, R. Yan and D. Kuang	73
<b>Desilication of Collophanite Ores by Reverse Flotation</b> J.L. Zhao, Y.Y. Ge, Z.C. Yang, L.M. Zeng and L. Liu	77
Determination of Hydrated Lime Content in Asphalt Mastic Incorporating High Temperature Performances	
L. Zhou	81

Development of Functional Knitted Fabrics Made from Bi-Component Chitin and Wool Fibre	
Y. Song and Y.J. Liu	85
Development of High Transparent Polypropylene X.L. Yang	90
<b>Dyeing Properties of </b> <i>Gardenia</i> <b> Yellow for Silk Fabrics</b> J. Zhang	95
<b>Dyeing Properties of Warm-Dyeing Reactive Dyes for Viscose/Chitin Blend Fiber</b> H.X. Zeng, M.Z. Li and R.C. Tang	99
Effect of Austenitization Temperature on Formation of Low Temperature Bainite L.J. Yuan, Q.S. Liu and B. Gao	103
Effect of Ce on Palladium Deposition by Electroless Plating H. Zhao and J.Q. Liu	107
Effect of Chemical Composition and Microstructure on Abrasion Resistance of Surfacing Materials	
Y.H. Liu, Y.Z. Deng and X.S. Deng	111
Effect of Porosity on Mechanical Property and Acoustic Emission Signals of Composite Materials  N. P. Paras, V. L. i. P. Lin, C. Gi, P. V. Lin, and W. Zhang.	115
Y.R. Pang, Y.J. Li, R. Liu, S. Qi, R.Y. Liu and W. Zhou	115
Effect of the Temperature on Synthesizing of Hydroxyapatite Y.Y. Zhang and Y.S. Dong	119
Effects of <sup>60</sup> Co-Irradiation on Gas Permeation Properties of Polyimide Membranes Y.H. Qiao, H.M. Miao, Y.B. Xu, W. Jiang, Y.H. Zheng and L.C. Wang	123
Electromagnetic Wave Absorption Properties of Glass Fiber Reinforced Cement Filled with Carbon Black Y.L. Wei, Y.F. Zhang and W.J. Hao	127
<b>Experimental Study of Mechanical Properties of Concrete after Freeze-Thaw Exposures</b> X.P. Fu, X.X. Liu, Y.Z. Sun, P. Huang, Y.C. Li and R. Shah	131
Experimental Study on the Influence of Different Cooling Rate to Frost Heave of Silty Clay H.X. Zhao, J. Zhong and Z.J. Wang	136
<b>Fabrication of Micropattern of Plastic Film Using Ultrasonic Micro Embossing</b> H.C. Cheng, C.F. Huang, Y. Lin and Y.K. Shen	141
Formation of CaCO <sub>3</sub> Superstructures in the Presence of Polyvinylpyrrolidone Y.X. Chen, X.B. Ji and L.J. Yang	145
Fuzzy Mathematics Evaluation on the Properties of Warmth Retention Underwear Fabrics $Y.J.\ Liu\ and\ N.N.\ Tian$	149
Graphical Simulation for Microstructures of Ni-TiN Coatings Using Cellular Automata Model	
X. Chen and H.Y. Cheng	154
Grinding Aids for Steel Slag and the Application Y.L. Sun, F.Q. Zhao and X.M. Chu	158
Grouting Material Mix Proportion Test Research of Void the Old Cement Concrete Pavement Slab D.W. Lv, G.J. Xu and X.L. Sun	162
Hierarchical SAPO-11 Synthesis by Carbon Nanoparticles Templating Method and its Application on n-Dodecane Hydroisomerization	102
Z. Liu, Z.P. Ma and Z.F. Yan	168
Indoor Study on Road Performance of Macromolecule Polymer Bitumen Waterproof and Cohesive Layer (PCMA) D.W. Lv, J. He and X.L. Sun	172
Influence of Adding KH <sub>2</sub> PO <sub>4</sub> on WO <sub>3</sub> /γ-Al <sub>2</sub> O <sub>3</sub> Solid Acid Catalyst for the Synthesis of Acrylic Acid from Lactic Acid C.Y. Wang, G.Y. Liu and C.H. Du	178
Influence of Aging Process on the Crystalline Structure and Electrochemical Properties of LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> Cathode Material	170
L.B. Liu, L. Zheng, J.H. Wang and Y.Z. Guo	182
Influence of Fiber Type on Road Performance of Stone Mastic Asphalt C.G. Wan, Q.T. Wang, B.F. Ma and Y. Zhang	188

Influence of Heat Treatment Parameters on Mechanical Properties and Crashworthiness of Aluminum Crash Box	
J. Zhou, G.Y. Wang, Y. Li and X.M. Wan	194
Influence of Heat-Treatment on Mechanical Properties and Wear Resistance of Ultra-High Mn Steel Y.H. Liu, J. Li and W. Shao	200
Influence of Ni/Cr Substitution for Mn on Crystal Structure and Electrochemical Performance of LiMn <sub>2</sub> O <sub>4</sub> Cathode Materials	
F. Luo, L. Zhang, J.H. Wang and Y.Z. Guo	204
Influence of Nitridation Time on the Characteristics of GaN Films Deposited on Ni Metal Substrate by ECR-MOCVD J.M. Bian, F.W. Qin and M.M. Zhong	210
Inhibiting Effects of Taurine on Doxorubicin-Induced Oxidative Stress in Rats Y.C. Wang, K. Ren, Q. Lu, H.Y. Fan and N. Shen	214
Mathematical Morphology Applied to the Cross Section of Microscopic Plant Fiber for Characterization of Geometric Parameters: A Case Study of "Rhektophyllum camerunense" P. Kah, A. Njom, B. Mvola, J.A. Atangana and J. Martikainen	217
Mechanical Properties of High Performance Concrete Subjected to High Temperature as a Function of Fly-Ash and Fiber Addition S.J. Lee	227
Microstructural and Electrical Properties of ZnO Ceramics with ZnO-Na <sub>2</sub> O-P <sub>2</sub> O <sub>5</sub> Glass Oxide Additions	227
W.S. Chen, C.H. Hsu, C.Y. Peng, M.L. Hung, C.F. Tseng, C.H. Lai, P.C. Yang and J.S. Lin	231
Microstructure and Basic Properties of Domestic Butyl Rubber 1751 N.X. Ding, P.Y. Zuo, Y. Jia, L.L. Wang and H.T. Wang	235
Microstructure of Recycled Gypsum Plaster by SEM G. Camarini and S.M.M. Pinheiro	243
Modulus of Elasticity of <i>Schizolobium amazonicum</i> Wood Evaluated by Transversal Vibration Technique	
D.H. de Almeida, R.S. Cavalheiro, F.S. Ferro, T.H. de Almeida, A.L. Christoforo, C. Calil Junior and F.A. Rocco Lahr	247
Novel Ionic Polymer-Metal Composite Employing Sulfonated Polyimide as Ion-Exchange	
Membrane Y.H. Li and R.Z. Jin	251
Numerical Simulation and Structural Mechanical Analysis of Asphalt Pavement due to Abrupt Temperature Drop	
B.F. Ma, A.Q. Shen and C.G. Wan	255
PEG-PLGA Nanoparticles Entrapping Doxorubicin Reduced Doxorubicin-Induced Cardiotoxicity in Rats J.N. Mao, A.J. Li, L.P. Zhao, L. Gao, W.T. Xu, X.S. Hong, W.P. Jiang and J.C. Chen	263
Preparation and Properties of γ-Rays Irradiation-Induced Crosslinked Sulfonated	
Polyimide Proton Exchange Membranes Y.H. Li and R.Z. Jin	269
Preparation of Hierarchical and Ordered Porous Nanostructured Carbons J.T. Cai, A.N. Zhou, X.Y. Li, J.Y. Yan, L.J. Wang and J.X. Jiang	273
Preparation of Hollow/Porous Carbon Nanofibers from PAN with High Molecular Weight S.F. Li, S.L. Chen, F.Y. Deng and B.W. Cheng	277
Preparation of Platinum Catalyst Supported on Porous Carbon Nanofibers S.F. Li, X. Ding, F.Y. Deng, S.L. Chen and B.W. Cheng	281
Preparation of β-Cyclodextrin Coated Fe <sub>3</sub> O <sub>4</sub> Nanoparticles and their Application for Enrichment of Cu(II) from Environmental Water Samples Q.L. Wang	285
Pretreatment Study on the Deposition of Diamond-Like Carbon Films on Quartz by Star-	
Shape MPCVD Reactor L.W. Xiong, G.H. Gong, J.H. Wang, X.H. Cui and W. Zou	288
Refinery Corrosion and Countermeasures of the Cooler H.P. Zhao	293

Research on Degradation of Flocculating Stemming Contained Polymer and Clay Used for Profile Control	
W. Zhang, S.Y. Zhang, D.F. Ju, H.J. Yan, G.Q. Fu, F. Wang, M.X. Gao and W.H. Cui	297
Research on Laser Remelting of Plasma Sprayed Ceramic Nanometer Coatings on the Inner Wall of the Cylinder Liner J.Y. Mao and W.G. Zheng	301
Research on Nanomaterials and its Latest Application G.M. Lin, M. Shang and W.G. Zhang	305
Research on the Impacting Factors of Dimensional Accuracy with Silicone Mold Casting Products Based on FDM H. Guo and Y.T. Zhou	309
Research on the Welding Technology Experiment with Zirconium 702 W.C. Zhou, G.Q. Luo, W. Zhou and S.H. Xiao	314
Solvothermal Synthesis and Characterization of Hierarchical Calcium Carbonate Spheres Y.X. Chen, X.B. Ji and Y.L. Quan	318
Spectrophotometric Method for the Assay of Chlorhexiidine Acetate Y.H. Lei	321
Structural and Optical Properties of VO <sub>2</sub> Film Grown on Sapphire Substrate by Pulsed Laser Deposition	
J.M. Bian, L.H. Miao and S.K. Zhao	325
Study of the Mechanical Properties of the Composite Scene Rigid Pavement Structure D.W. Lv, S.B. Shi and X.L. Sun	329
<b>Study on a New Polymer with Better Performance in High Salinity Reservoirs</b> K. Wang, C.L. Dai, H. Li, Q.F. Ding and M.W. Zhao	334
Study on Corrosion Behaviors of Epoxy Aluminum Coating Immersed in 3.5%NaCl Solution	•••
R. Yan, T. Liang, H.C. Ren, J. Gu and Z.Z. Ji	338
Study on Oxygen-Enriched Combustion Application Technology P. Liang	342
Study on the Interaction between Gadolinium(III) Aminopolycarboxlicacid Complex and Bovine Serum Album by Spectroscopic Methods Z.F. Hao, C.H. Yu, S.B. Yang, J.H. Tan and J. Yu	346
Surface Modification and Properties Analysis of Shell Powder with Sodium Stearate	2.10
Surface Modifier Z.M. Yang, P.W. Li, Z. Peng, X.C. Gu, L.X. Kong and S.D. Li	352
Synthesis and Electrochemical Characteristics of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Cathode Materials for Li- Ion Batteries L. Zheng, H.Y. Peng, J.H. Wang and Y.Z. Guo	356
Synthesis, Characterization and Antibacterial Activity of Chitosan/TiO <sub>2</sub> Microspheres W.Y. Qi, S.S. Chen, D. Yang, Q.L. Li, X.R. Wu, Y.Z. Lai, W.Q. Yin and C.B. Yu	362
Technology Strategies of Bending Forming for Part of Large Size and Ultra Thin-Walled H. Liu, J.W. Fu and L.L. Luo	366
Testing of ABS Material Tensile Strength for Fused Deposition Modeling Rapid	300
Prototyping Method L. Novakova-Marcincinova and J. Novak-Marcincin	370
The Actoside Content Analysis in <i>Radix Rehmanniae</i> Using Near-Infrared Technology H.Y. Gong, C.X. Xie, Y.X. Cui, Z.H. Chen, Y. Bai and J. Zhang	374
The Analysis of the Teaching Based on the Work Process in the Plastic Molding Process and Mold Design	•=0
Z. Wang  The Calculation Methods of Mankstein Numbers and Laminor Purning Velocities for	378
The Calculation Methods of Markstein Numbers and Laminar Burning Velocities for Hydrogen-Air Premixed Mixtures in Constant Volume Combustion Bomb H.J. Hu, G.Q. Wang and Y. Zhu	382
Investigating Solutions for Injection Molding Weld Line Defects G.Q. Ni and Q.S. Jia	386
The Damping Properties of the Natural Rubber Filled with ZnO Y.F. Zhao, D. Liu, S.Q. Liao, X.X. Liao and S.B. Lin	390
The Development and Application on Composite Resin Substituted for Cement Slurry G. Xie, J.L. Yu, S. Lin, L.L. Wei, J. Xie, W.Q. Jiang, Y. Xiao and W. Zhang	395

The Effect of Directionally Chilled Microstructure on Hypereutectic High-Chromium White	
Cast Iron D.S. Yang, J.S. Lin, D.J. Pen and F.M. Hsu	399
The Effect of Weld Geometry on the Stiffness of I-Core Steel Sandwich Plate Y.P. Sun, Y.Y. Ren, J.S. Qiao and X.X. Jiang	404
The Feasibility Research on the New Material Used in Electrical Fittings J. Zhang, K.J. Zhu, S.C. Liu and J.J. Si	410
The High Temperature Oxidation Behavior of Hot-Dipping Aluminized Steel 0Cr18Ni10Ti J. Lou, C.X. Ruan and X. Peng	414
The Manufacturing Technology Research of Composite Resin Transfer Molding Z.J. Liu	419
The Multi-Channel Filter Based on Photonic Crystal with Circular Resonant Cavity Z.X. Wu, Y.C. Li, W. Jin, E.D. Gu and W.C. Li	423
Thermal Design and Dynamic Analysis of Metallic Thermal Protection System H.Y. Chen and H.B. Chen	427
Three-Dimensional Solid Design in Duplex Mode of Application of the Composite X.L. Diao	433
A Study on the Production and Material Characteristics of Modular Unit of Highly Filled Wood-Plastic Composite Member S.D. Shon, S.J. Lee and K.G. Lee	437
Acoustic Emission on Adhesively Bonded Single-Lap Joints of Composite Laminate during Tensile Test	
Y.R. Pang, R. Liu, Y.J. Li, B.H. Lu, X.K. Xing and W. Zhou  Effect of Nucleating Agent on the Structure and Mechanical Properties of Oriented PET	441
Q.W. Xu and X.K. Meng  Failure Analysis of Water-Wall Tubes in the High-Pressure Boiler  N. Xu, J.B. Shi, Y.D. Li, W.M. Guo, X.F. Wu, S.X. Han, Q.S. Zang and Z.W. Hu	445 456
Numerical Computation for Effective Mechanical Properties of Honeycomb Core Structure X.H. Meng, X.Y. Ma and X.Y. Zheng	460
Research on Tube Sheet Welding Dynamic Simulation and its Stress Characteristics Based	400
on ABAQUS Q.Z. He, P.Q. Wang, Y.Q. Yan, S. Guo and P. Duan	466
Strain-Dependent Flow Stress Modeling of Hastelloy X Superalloy under Hot Compression H.Y. Wu, H.C. Liu, F.J. Zhu and C.H. Chiu	471
<b>Study on Methanol/Biodiesel for Agricultural Diesel Engines Applications</b> R.N. Li, Z. Wang, L.C. Hou and M.D. Li	475
The Research of Quantum-Behaved Particle Swarm Optimization in Gear Steel Hardenability Prediction	450
Y.P. Chen The Application of LIFEHOPE Military Fire Blanket for Energy-Saving of Glass Furnace	479
C. Rong and D. Chan The Impact of Coal Tar Yield and Properties Research	483
Y.M. Wang  Quality of CFRP Cross-Sections by Cutting at the Situation of Resin Infiltration and their	486
Defects Suppressing Y.Q. Guo, Z. Meng, M.H. Sun, W. Chen and L. Chen	490
The Effect of Component Distribution Variation on Tensile Property of Gradient Interpenetrating Polymer Networks (IPN)	
X.L. Bai, Z.G. Mu, M.J. Ting and L.Y. Ding  Research and Application on Oil-in-Water Emulsion for Selective Water Plugging	495
G. Wu, L.L. Zhang, G. Xie, W. Zhang, D.F. Ju, S. Lin, H.J. Hao and Q.Z. Du	500
Study on High Oxidation Rate Refractory Ore of Lanping X.F. Yang, Q.J. Liu and R.D. Deng	505
Study on One Acrylic Ester of Cytosine L.L. Geng, X.M. Ren, W.X. Mao, X.M. Song, Y.F. Ji and W. Yuan	509
The Experiment Study on How Medium Gas Affects Seawater Desalination Facility's Performance	
Y. Yao, Z.L. Chen, T. Yu, H.F. Zheng and Y. Yang	513

Controlled Release of Hydrophilic Guest Molecules from Photoresponsive Nucleolipid Vesicles	
Y.W. Sun	519
Analysis of Degradation and Performance of SOFC Cathode R.R. Liu, D.J. Wang and L. Jing	523
Experimental Study on Diffusion of Vaporous Hydrogen Peroxide K. Zhou, T. Liang, J. Gu, H.C. Ren and S.G. Li	527
Identify Carbonate Lithology by Fuzzy Mathematics W.F. Liu, S.L. Liu and L.X. Sun	532
Chapter 2: Mechanical, Construction, Manufacturing Engineering and Applied Research	
A Deformation Analysis and Compensation Algorithm for Bracket Structure of Automatic Drill-Riveting System	520
Y. Yang, Z.Q. Wang, Y.G. Kang and Z.P. Chang  A Method to Establish Motion Equations of Self-Propelled, Cable-Controlled Vehicles  L. Li, Y.H. Zhang and P. Yang	539 545
A Key Processing Technology of Welded Steel Tube for High-Strength Automotive Drive Shaft	3 13
X.J. Liu, Y.F. Wu, X.R. Chu, Q. Wei, Q.J. Fu, Q.G. Ji and C.F. Zhao	550
Advance Control Experiment of Vibration Machine with High Vibration Intensity Based on SCM – Dynamics Characteristics and Advanced Control X.L. Yang, J.F. Liu, M.N. Si, J.W. Li and B. Huang	554
A Design Scheme of Device for Producing Fresh Water Y.Y. Zhang	559
A PLC-Based Tension Training System Design J.B. Han, S.Z. Liu, P. Li, Z.Y. Yao and J.C. Mi	563
A Truck Frame Fatigue Life Forecast Based on Virtual Prototype Technology Q. Li	566
A Water Heater with Spraying and Heating Function Based on PLC K.J. Chen	570
Analysis on Cupping Process of Cartridge Case without Heat Teatment Based on DEFORM-3D J. Zhao, Z.H. Du and J.K. Zhao	573
Application of AIS in Ship Collision Prevention J.Y. Wang	577
Assembly Key of Precise Blanking Punching Compound Die X.P. Bai	581
Atmospheric Laser Communication Receives a High Rate of Laser Technology Q. Liu, X. Yang and Y.F. Zhu	585
Based on the Finite Element Software ANSYS/LS-DYNA Metal Plate Covering Parts Forming Process Simulation and Optimization Research J.L. Wang	589
CFD-Based Visualization Research on the Rotation of Hydraulic Slide Valve Spool B. Yuan and Z. Jiang	593
Characteristic Analysis on Elastohydrodynamic Lubrication of Orthogonal Face-Gear C.H. Wu	598
Claw-Pole Closed Forging Process X.R. Xin, D. Xu, C.S. He and X.C. Liu	605
Common Mechanical Problems Diagnosis and Elimination of the Rapier Loom Z.M. Lian	609
Correlation of Non-Destructive Pavement Test Devices S.C. Li	613
Design of Intelligent Locomotive Based on STC12C5A60S2 L.G. Chen, X.F. Yang and B. Qu	617

<b>Design of Swash Plate Axial Piston Pump Flow is Stable</b> K.J. Chen	621
<b>Design of the Plate Heat Exchanger</b> K.J. Chen	624
<b>Design on Multifunctional Water-Saving Mulch Planter</b> L.D. Chen, F.Y. Du, F.B. Du and W.Z. Wang	628
<b>Design on Transmission Accuracy Testing System of Actuator</b> P. He, C. Liu, Y. Li and Z.Q. Zhao	633
Design Research of Armored Vehicle Maintainability Evaluation System Based on Virtual Prototype	
D. Xu, C. Li, S.L. Liu and Y. Li	638
<b>Design the Parameter Optimization of Yacht</b> Z.J. Deng, S.Y. Song and J.W. Li	642
<b>Discussion of the Assembly Techniques of the Precision Die</b> X.P. Bai	645
Dynamic Contact Simulation Analysis of Spiral Bevel Gear Based on ANSYS/LS-DYNA L.Y. Feng, Y.J. Liu, W.Z. Xie and J.W. Huang	649
Dynamic Modeling Based on Zero Side-Slip Angle of the Gravity Center for Multi-Axis Steering Vehicles	0.15
Z.Q. Li, L. Tang and R. Liu	653
Vehicle Driving Axle Half Shaft Fracture Analysis J.J. Wang	658
Electromechanical Coupling Vibration of Rolling Mill Excited by Variable Frequency Harmonic	
Y.F. Zhang, X.Q. Yan and Q.H. Ling  Experimental Study on Tension Performance of Anchor Group	662
Y.L. Liu, T.Z. Jiang, J.H. Huan and F.Q. Xu	666
Failure Research of Vehicle ABS Based on Fuzzy Diagnosis Technology W. Ji, Z.Y. Chen and Q. Li	675
Fault Analysis of Stator Inter-Turn Short Circuit in Doubly Fed Induction Machines B.Q. Xu and J.T. Wang	679
Geothermal Energy Saving Air Conditioning System Research J.Y. Wang	684
Hardware Circuit Design of a Wire Rope Tension Monitoring System for Main Shaft Hoist Y. Zhang and H.Z. Sun	687
Harmonic Response Analysis on Motorcycle Frame Y.F. Zhang and M. Zhou	691
Hybrid Synchronization of Three Identical Coupled Chaotic Systems Using the Direct Design Method	
X.H. Ji Improved Auto Brake and Avoidance	695
Y.Y. Zhang	700
Improvement of Hydraulic System for Billet Continuous Casting Shear C. Yan and H. Guan	703
Modal Analysis of the Bed Structure of Large Diameter Fresnel Lens Mold Machine Tool J.L. Guan, X.H. Zhang, C.G. Cao, X.Q. Ma and L. Chen	707
Mold Design and Process Experiment of Open Die Cold Extrusion of Spline Shaft Y.C. Liu	711
Numerical Simulation of Hot Stamping of Front Bumper Y.H. Guo, M.T. Ma, Y.S. Zhang, D.W. Zhou and L.F. Song	715
Pneumatic Manipulator Wrist Structure and PLC Control Design X.M. Zhang	723
Position Sliding Mode Control of Manipulator Joint Based on Genetic Algorithm T. Zhou and X.F. Liang	727
Research on Chip Formation Mechanism in Mold Processing of Large Diameter Fresnel	
Lens J.L. Guan, X.Q. Ma, C.G. Cao, X.H. Zhang and L. Zhu	732

Research on Connecting Device of Parent-Subsidiary Wind Sailing Boat Y.C. Zou and W.G. Zheng	736
Research on Control Program Design of Variable Speed Hydraulic System Y.T. Wang and X. Zhou	740
Research on Hydraulic Components Test System Based on Proportional Control Technology Y. Li and J.G. Yi	744
Research on Modeling of Cutting Force on CNC Lathe Based on Orthogonal Experiment Z.H. Zhou, C.Y. Zhang, Y. Xie, M. Luo and X.Y. Shao	748
Research on the High-Power Directional Acoustic Transducer G.Z. Zhao and L.X. Ma	753
Research on Transverse Prestress Mechanical Properties Experiment of PC Box Girder Y. Zheng, J.Z. Chen and K.C. Zhang	757
Round Head Screw Axis NC Machining Process Analysis X.L. Diao	761
Study of Non-Equilibrium Arms Bridge Circuit for Water Plugging of Horizontal Wells in Sandstone Reservoir	
G. Xie, H.J. Yan, D.F. Ju, Z. Ma, A.J. Wei, W.Q. Jiang, L.L. Zhang and M.X. Gao Study of Non-Smooth Gear Based on MÜLLER Algorithm	765
M.X. Xiao and J.J. Yang  Study of Stability of Surrounding Rock and Structural Characteristics of Large Long	769
Corridor Surge Chamber J.F. Yin	774
Study of the Anchorage Seismic Performance for Beam-Ends Strengthened by Bonded Rebars	,,,
Y.L. Liu, L.X. Tao, J.H. Huan and F.Q. Xu	783
Study of the Modeling and Simulation for Waste Briquetting Machine Based on the Compression/Pushing Mechanical Hydraulic System M. Wang, S.C. Wang, J.Y. Duan and P.C. Zhang	790
Study on Recovery System for Marine Diesel Engine Waste Heat S. Wen, X. Qu and Y.L. Zhu	795
<b>TDV10</b> Type Vacuum Circuit Breaker Electromagnetic Operating Mechanism Design S.H. Ma and C. Liu	799
The Analysis of the Stiffness about the School Bus Based on Hyper Mesh M.F. Zheng, Y. Chen and Y.L. Yan	806
The Application of Modern Sealing Technology in Aircraft W.G. Zhang, G.M. Lin, M. Shang and F. Zhou	810
The Application of Virtual Prototype Technology about the Analysis and Evaluation in Automobile Braking Performance	
J. Zhou The Creation of the Mathematical Model of Involute Gear Modeling	814
Y.H. Shi, S. Yao and X. Yao	819
The Design of the Hawse Pipe and Intelligent Positioning J.W. Shi, H.Y. Li and B.Z. Li	824
The Geometrical Model of Vertical Shaft Impact Crusher Rotor System J.M. Zhang	829
The Influence of Power Line Transient Pulse Interference to Airborne Equipment Y.L. Jiang, H. Chen, J.F. Zhang, G. Guo and G.Q. Sun	833
The Microscopic Analysis on the Crankshaft Fracture Surface of the Compressor W.D. Chen	837
The Research and Design of a Condensed Electrolysis Environmental Suction Machine Based on Air Multiplier K.J. Chen and W.G. Zheng	841
The Research on Based on Secondary Regulation of Swing System of Hydraulic Excavator Y.Q. Yan, Y.C. He, Z.M. Meng and S.S. Kang	845
The Research on the Ashtray Designed with UG NX and Manufactured Basing on Rapid Prototyping Manufacturing W.J. Wu and Z.Y. Xu	850
vv.J. vv u and L.I. Au	030

The Simulation Study on Drawing and Forming of Automobile Panels Based on CAE Z. Liu and Z.S. Huang	855
The Study of Inner EM Environment in the Helicopter under the Influence of Lightning	033
Strikes Y.D. Wang, C. Gao, F. Guo and Y.X. Li	860
<b>The Study on Farm Vehicle Electric Window Controller with Anti-Pinch Function</b> Z.Y. Chen, G.C. Song and Q. Li	865
The Study on Medium Filling Scheme of LNG Tank Container Impact Testing Based on ANSYS	
J. Cao, M. Han and J.Y. Qi	869
<b>The Wavelet De-Noising of Vibration Signals for Aircraft Rolling Bearings</b> F.K. Cui, F.F. Lv, X.Q. Wang and D.Y. Zhang	873
Turning-Milling Machining Center of Each Axis Movement Principle and the Headstock Structure Analysis	0.50
L.P. Sang Turning-Milling Machining Center Spindle Box of 3D Design	878
Y. Han	882
Vertical Shaft Impact Crusher Wear and Anti-Wear Measures J.M. Zhang	886
Welding Stress Numerical Simulation and Analysis of High-Pressure Pipeline L. Zhang, J.Z. Zhang and X.M. Li	890
Design of a New Beetle's Electric-Control Trunk Device T. Jing and H.B. Wang	895
Experimental Research on the Operation of Solar Energy Desalination System Z.L. Chen, L.A. Hou, G.Y. Chen, Y. Yao and T. Yu	902
Limit Cycle Flutter Analysis of a High-Aspect-Ratio Wing with an External Store J. Xu and X.P. Ma	907
Mode Analysis and Study of Sunjiagou Aqueduct C.Y. Chen, K.L. Wei and Y.F. Zhu	911
Research and Analysis on the Retrofit Design of Caving Coal Hydraulic Support M. Hu	915
Research on Deep Sea Sonar in Marine Navigation of the Ship Anti Collision Z.X. Lv	919
<b>Study of Frequency Converter Motor Selection Method of Shafting Test Bed</b> X.X. Liang, Z.L. Liu and J. Liu	922
The Design of 25KV High-Frequency High-Voltage Power Supply Q. Jiang	927
The Design of Photovoltaic System on a New Catamaran with Solar Power Z.X. Lv	931
The Study on Peak Throughput of TD-LTE	
J.X. Zhang  Vehicle to Grid - Status and Issues, a Preliminary Survey	935
C.X. Li, D.W. He, M. Sun, J. Cai, W.P. Chen, Y.R. Du and X.L. Hu	939
A Feedback-Based CPG Control Method for a Single-Legged Hopping Robot T.T. Wang, F.S. Zha and P.F. Wang	944
<b>Application of Linearly Polarized Light in Automobile Lighting System</b> X.J. Fu and D. Cheng	948
Brief Analysis of MIMO Channel and Antenna H. Wang and J. Zhou	952
Common Electrical Faults Diagnosis and Elimination of Loom Z.M. Lian	956
Common Fault Analysis and Repair of Three-Phase Motor M. Shang, G.M. Lin, W.G. Zhang and F. Zhou	960
<b>Design of Isolation PWM Power Amplifier with Motor Direction Control Signal</b> H.B. Yu, Y. Qiao, S.M. Xu and F.H. Chu	964

Extrusion Mould General Work Part of the Design and Analysis H.C. Yang and M.Q. Wu	972
Grinding Hyperboloid Part by Bending Method C.M. Shang, D.M. Zhang and J.D. Yang	976
Large Deformation Analysis of a Dielectric Elastomer Membrane L.L. Cui and L. Li	981
Matching Research on a Parallel Hybrid Power System W. Ji, Q. Li and Z.Y. Chen	989
Research and Development of Agricultural Machinery Operating Area Measuring System Based on Single Chip Computer	, ,
B.L. Su	994
Research on Electromagnetic Interference of Wiring Motor Vehicle in Coal Mine Tunnel H.W. Zhang	998
Research on Intelligent System for Cavity Filter Tuning S.M. Xu, H.B. Yu, Y. Qiao and F.H. Chu	1002
Simulation Study on State of Charge of Battery for Electric Vehicle G.Q. Zhu, C. Wang and B.Y. Feng	1006
Synthesis and Analysis of 4-DOF Parallel Manipulators of Computer Aided Geometry Approach	
Y.H. Zhang, X.J. Du and B.Y. Zhang	1010
The Research of the Tool Magazine Control System Based on PLC Y.M. Zhang, B.J. Yang, Z. Wang, H.M. Mu and Y. Yang	1017
The Research on the Form Error Margin of the Auto Test System Design W.L. Yu	1022
The Robust NN Control and Fast Vibration Suppression of Space Flexible Manipulator with Unknown Parameters Z.B. Hong, W.W. Li and S.X. Chen	1027
The Structure Design of Parent-Subsidiary Wind Sailing Boat and the Matching Research	1027
of Power Plant Y.C. Zou and W.G. Zheng	1032
<b>Two-Wheeled Self-Balancing Robot Systems Using Fuzzy Immune Algorithm</b> J. Fang, J.Y. Liu and W. Li	1037
Research of Temperature Field in Oil-Immersed Transformer Considering the Oil Speed G.L. Yue, Y.Q. Wang, J. He and H.L. Liu	1041
Application of Finite Element Analysis on Lightweight Design to Coaches C. Yan	1046
Analysis and Design of the Profiled Bar Cantilever Scaffold with the Hoisting Unloading Wire Ropes	
T. Wang, K. Yin and L.J. Dou	1050
Chapter 3: Information Technologies, Control, Monitoring and Data Processing	
<b>3D Printing Technology and the Latest Application in the Aviation Area</b> F. Zhou, G.M. Lin, W.G. Zhang and M. Shang	1057
A Design for Power Supply Monitoring F.L. Yin, B.Q. Huo, H.B. Wang and L. Cheng	1061
$\mathbf{H}_{\infty}$ Fault-Tolerant L.M. Zhu, Z.D. Zhu and Y.G. Yan	1065
A Hybrid PSO-PI Controller for the LEO Satellite Tracking System T.J. Su, J.C. Cheng, M.Y. Huang and X.X. Zhan	1069
A Distinct Patch of Road Visual Guidance System – The Design of 2D Stereo Deceleration Zone X.Y. Wan	1073
A Framework of the Software Quality Comprehensive Prediction Based on Defect Knowledge Base and Risk Module L.G. Chen, Z.L. Wang, S.H. Wang, Y.F. Yin and Q.Z. Ji	1077

A Local CSRBF Interpolation Algorithm Based on Partition Acceleration J.Z. Wang and H.B. Chen	1083
A Method to Update the Simulink Blocks Automatically Z.D. Ying and W. Hou	1088
A New Algorithm of Image Registration Based on Contour Feature F.H. Song, P.H. Li and J.R. Deng	1092
A New Design of P-Code Direct Acquisition Module R. Zhao, Y.W. Wang and Z.J. Wang	1098
A Non-Probabilistic Measure of Structural Reliability Based on Convex Model X.Z. Qiao	1103
A Parameters Estimating Method for BOC Modulation Signal B. Qian, G.S. Li and Y.X. Feng	1108
A Parameters Estimation Method for FH Signal Based on SPWVD B. Qian, X.Y. Zhang and S. Sun	1112
A Parametric Design of Teaching Aid in Russian Class Based on Computer Technology J. Gao	1116
A Way of Angel Measurement for Virtual Axis Y. Zhang and Y.M. Xia	1120
Access Control & Temperature and Humidity Systems Based on Distributed Parallel Processing	
X. Wang, L.H. Zhang and Y.W. Xu	1127
AIS in the Application of the Navigation System C. Liu, L. Dai and M.Y. Zhang	1131
Algorithm for Improving Image Denoising Based on Adaptive Wavelet Transform X.S. Wang	1134
An Algorithm for Solving Stochastic Chance-Constrained Programming Problem N. Xiao	1138
An Analysis of the Middle Voice in Advertising English J. Ying	1142
An Improved QPSK Signal's Algorithm Design and Simulation of its Modulation and Demodulation	
F. Zhou, X.X. Geng and X.Y. Zhang	1146
<b>An Improved Three-Dimensional Medical Image Segmentation Approach</b> J.W. Wang	1150
An Optimization Algorithm Based on Job Shop Scheduling with Fuzzy Goals Q.L. Dai and S.B. Zhang	1156
Analysis and Research of Data Security Policy Based on Cloud Storage N. Wang	1160
Analysis of Crash Counts Using a Multilevel Zero-Inflated Negative Binomial Model B. Han and J. Xu	1164
Analysis of Infrared Sensors to Monitor the Flow of Vessels C. Liu, L. Dai and M.Y. Zhang	1169
Application of Image Analysis Based on Canny Operator Edge Detection Algorithm in Measuring Railway Out-of-Gauge Goods Y. Han, M. Qiao, X. Wan and Q. Chang	1172
Based on CIMS Application of Small and Medium-Sized Enterprise Information System	11/2
Integration Y.H. Wu	1177
<b>Based on Digital Image Forensics Edge Characteristic Morphological Filtering Technology</b> S.Y. Li	1181
Binary Image Information Hiding Based on Research Gui Review	
S.Y. Li	1185
S.Y. Li  Comparing Robustness of EWMA Dispersion Control Chart for Non-Normal Process H.Y. Wang	1185 1189
Comparing Robustness of EWMA Dispersion Control Chart for Non-Normal Process	

Design and Implementation of Oilfield Heterogeneous Data Integration Model Based on Ontology	
G. Huang, X.Y. Wu and M. Yuan	1201
<b>Design and Implementation of Portable Visual Stimulator for BCI</b> Q.L. Yang, P.D. Wu and X.P. Li	1205
Design and Implementation of SMS-Based Universal Legal Knowledge System P. Yang	1209
Design and Implementation of Unified Identity Authentication System Based on LDAP in Digital Campus	
Z.Y. Wu, W.P. Huang and L. Yu  Design and Realization of Catavaev Node for the Smort Home System Read on Internet of	1213
Design and Realization of Gateway Node for the Smart Home System Based on Internet of Things	
F. Lao and G.X. Li  Design of a High-Speed Image Data Real-Time Storage and Display Circuit	1218
C.Q. Chu, Y.F. Ren and F. Ma	1222
Design of Detection System for Eccentric C/O Logging Tool W.W. He, J.F. Yang, L. Sun, Z.Y. Han, R.S. Feng, Y.C. Li, Q. Xu and Y.L. Liu	1228
<b>Design of Fire Alarm System in Laboratory</b> G.X. Li, F. Lao, B.Q. Huo and L. Cheng	1232
Design of IRF2 High Availability Architecture in Data Center Server Cluster J. Shan	1236
<b>Development and Research Status of Marine Radar</b> M.Y. Zhang, L. Dai and C. Liu	1242
Dynamic Characteristic Analysis of Lian-Huo Highway Bridges S.Y. Ma, W.Y. Yu and K.L. Wei	1245
Educational Resources Cloud Platform Based on Hadoop Q. Hou, L. Pan, J.X. Xu and K. Zhou	1249
Error Analysis and Research Based on EFPI Sensors	
H.B. Dong Function Projective Synchronization between Three-Cell Quantum-CNN Hyperchaotic	1254
System and 6th-Order Cellular Neural Network System with Uncertain Parameters J.Q. Li, F.M. Bai and X.Q. Di	1259
Fuzzy Reliability Analysis of Nonlinear Structural System Based on Stochastic Response Surface Method	
Y. Ji	1268
<b>Image Retrieval Technology Based on Color Similarity Matrix</b> S.L. Zhang, J.T. Dong and Z.Y. Feng	1272
Improved Trigonometric Grey Prediction and Application T. Chen and S.J. Zhao	1276
Innovative Design of the Teaching Aid in Russian Class Based on Computer Technology J. Gao	1279
Large <i>Apparatus</i> and Tele-Monitoring System Based on Embedded System Z.P. Zhang, C.X. Jiang and R.N. Tang	1283
Low-Cost Video Fast Recording and Network Self-Learning Platform C.P. Li and H. Wang	1287
Medical Equipment Reservation System Based on Hospital Data Integration Platform	1291
X.J. Cao Microphone High-Temperature Test System Development Based on PID Control	
L.Y. Zhao  Network Architecture and Functional Development of the Art Teaching Platform	1294
M.N. Xiong  New Veriable Separation Solutions in (2+1) Dimensionals: The Poiti Lean Manne	1299
New Variable Separation Solutions in (2+1)-Dimensionals: The Boiti-Leon-Manna- Pempinelli Equation F.Z. Lin and S.H. Ma	1303
Parallel k-Way Partitioning Approach for Large Graphs J. Xu, Y. Zhong and B. Peng	1309
PMV Index Forecasting Algorithm Based on PSO-SVR	
M.H. Zhao and T. Yan	1313

Radar Net Anti-Jamming Capacity Evaluation Based on Projection Pursuit Method L.J. Zhu, Y.C. Dong, T.Y. Jiang, H.Z. Li and G.H. Fan	1318
Real Time Prediction Method of Sensor Output Time Series Z.C. Liu	1322
Redundant Use of Visual Images of Different Domain Information Steganographic Technique S.Y. Li	1327
Remote Sensing Image Classification Based on Object-Oriented Method and Support Vector Machine: A Case Study in Harbin City Q.X. Yang, C.W. Luo and T.K. Chen	1331
Research and Application of Adaptive Assembly Methods O. Shan and Y. Chen	1335
Research and Realization of Apron Protection System Based on Internet of Things Y. Huang, Y.J. Zhu and H.H. Lian	1339
Research of Data Reliability Technology Based on Erasure Code Redundancy Technology in Cloud Storage	
H.X. Mao, X.L. Shu, K. Huang and L. Zhang  Research on Chaotic Orbit in Mandelbrot Set	1345
T. Sui, X.Y. Zhang, G.S. Li and G.N. Liu  Research on Collision Detection Algorithm Based on Combined Bounding Box	1349
X.J. Ding  Research on Game Optimized Artificial Fish-Swarm Algorithm of Communication Signal Processing	1353
Y.N. Xu and J. Long  Research on Rehabilitation Robots of Motion Control PID	1357
Y.F. Wang  Research on the Algorithm for Parallel Computing Based on Lifting Wavelet Transform	1361
X.S. Wang  Research on the Coupling Coefficient of the Wireless Power Transmission System	1365
Y.C. Liu  H <sub>∞</sub> Fault-Tolerant for a Class of Networked Control System Based on Static Output	1369
Feedback Z.P. Wang	1375
<b>Round Descriptor Based on SIFT Operator Copy and Paste Forensics</b> S.Y. Li	1379
SMS Remote Control System Based on GSM S.Y. Huan	1383
$\label{eq:continuous_problem} \textbf{Speech Enhancement Based on Bionic Wavelet Transform and Correlation Denoising } \\ L.M.~Wu,~Y.F.~Li,~F.J.~Li~ and ~X.~Luo$	1386
<b>Speech Intelligibility Enhancement Using Distortion Control</b> Y.X. Yang and J.F. Ma	1391
<b>Study on Artificial Neural Networks to Identify Sedimentary Microfacies</b> W.F. Liu, S.L. Liu and L.X. Sun	1395
Study on Integral Minimum Method Aspheric Surface Measuring C.M. Shang, D.M. Zhang and J.D. Yang	1399
Study on Integration Model of Heterogeneous Database Based on XML Technology F.Y. Nie, F.F. Wu and L.Y. Wan	1403
Study on Prediction Model of Dissolved Oxygen about Water Quality Monitoring System Based on BP Neural Network J.X. Yan, L.J. Yu, W.W. Mao and S.Q. Cao	1407
Study on the Control of Fuzzy Sliding Mode Variable Structure of Aerospace Vehicle's Attitude B. Li	1412
Study on the Dynamic Quantitative Weighing System Based on the Buoyancy Weighing Sensor	- · · · <b>-</b>
X.Q. Zhu Summary of the Basic Research of Digital Shipbuilding	1416
Z.J. Deng, S.Y. Song and J.W. Li	1420

Technology Strategies of Controlling Machining Deformation for NC Milling of Thin- Walled Frame Component Parts	
H. Liu, L.L. Luo and Y. Zhang	1423
The Analysis of Factors Affecting Android App Download Numbers Y.Y. Wang	1428
The Analysis of Factors Affecting Consumer Mobile Shopping Y.Y. Wang	1432
The Database Design and Optimization J.H. Zhang	1436
The Design and Implementation of Crop Growing Environment Monitoring System Based on the Internet of Things	1.440
F. Lao and G.X. Li The Design of DC Speed Control System Based on PWM	1440
L. Zhao	1444
The Design of the Smart Card Attendance System Database D.Y. Zheng and Y. Han	1448
The Design of Theft and Fire Alarm Instrument for Intelligent Building B. Pei	1452
The Detection Method of Black Field Failure and Static Frame Failure in Radio and Television Broadcast X.L. Dong, P. Tian and Z.Z. Wang	1456
The Development of the Wireless Remote Control System for Warm Room Ills's Ozone Control Machine	
H.D. Lu  The Overell Period of Fragment Conversion Weter Sample Control Section Period on DLC	1461
The Overall Design of Frequency Conversion Water Supply Control System Based on PLC T.W. Bu	1465
The Research and Design of Unattended Intelligent Substation of Safety Monitoring System Q. Wang	1469
The Research of Semantic Web Service Composition Framework Based on Ontology B. Yang, Y.F. Li, X. Yang and Y.J. Li	1473
The Research of Smart Home Control Systems Based on Voice Activated Technology T.T. Yu and S.L. Jiang	1477
The Solution for Malfunction of the Leakage Protection System Caused by Mine-Used Converter	
Y.W. Wang, H.H. Li, D.W. Wang and Z. Fan	1481
Two Methods to Test Transducer Array Directivity H. Liu and G.Z. Zhao	1485
Under Low SNR Condition Rapidly Varying Doppler Frequency Offset Influence on Carrier Frequency Acquisition and Simulation Analysis	
R. Zhao and Y.W. Wang	1489
Various Applications of BIM Technology K.W. Huang, J.F. Cao and G.F. Liu	1496
Applying Digital Image Correlation Techniques to Measure the Crack Variation of Steel Plate under Tension W.P. Sung, M.H. Shih and H.C. Chang	1500
A Research of the 3Bs Teaching Method in Second Language Acquisition D.M. Li and X.X. Mao	1505
<b>Detection and Application of Hull Weld Quality Based on MATLAB Image Processing</b> K.J. Chen	1509
Heat Pump Remote Monitoring System Design Based on PLC and Messaging to Communicate with GSM J.H. Yang	1513
Measuring of Low Frequency Internal Friction in Solids Z.C. Zhou, J. Du, Y.J. Yan, S.Y. Gu and H. Yang	1517
Research on Individual Soldier Radio Surveillance Equipment for Battlefield Situation	1017
Awareness H.B. Yu, S.M. Xu, Y. Qiao and F.H. Chu	1521

Sedimentary Characteristics and Reservoir Potential of Underwater Alluvial Fan W.F. Liu, S.L. Liu and L.X. Sun	1525
<b>Solder Bumps Inspection UsingPrincipal Component Analysis in Active Thermography</b> X.N. Lu, J.G. Han, S.H. Han, S.Y. Wang and M.H. Shao	1529
Seismic Response Analysis of Twin-Tower Building with Enlarged Base S.B. Zhang, K.L. Wei and B.J. Xiao	1534
Survey and Analysis on Proxy Re-Encryption Schemes Z.T. Jiang, Y.P. Zhang, C. Li, P. Niu and X.L. Huang	1538
Computer Technology and Exploration of a Russian Teaching Aid in Russian Teaching J. Gao	1544
The Application of NC Simulation in NC Automatic Programming M.L. Bao	1548
Design and Development of Public Affairs Government Management System Based on Internet	
Y. Luo  Design of a Small Sired High Speed Data Stanger Medula Based on EDCA	1552
Design of a Small-Sized High-Speed Data Storage Module Based on FPGA S.K. Li, C.Q. Chu, H.L. Chen and F. Ma	1556
Chapter 4: Product Design, Management and Environmental Research	
A Product Design Method Based on Design-Element Informatization J.B. Sun, S.H. Yu and H.N. Pei	1563
An Interface-Based Integrated System for Project Risk Management X.L. Tian and Y.W. Wang	1567
Analysis on Optimization of Dividing Construction Bid-Section Based on Safety Risks Z.R. Zhu, X.Z. Li and Z.S. Wu	1571
Aquatic Logistics Model Based on Supply Chain Management H.B. Wang	1576
A Plate Stamping Mould Design M.Q. Wu and Y. Cui	1580
A Study on the Proposal of the Construction Process for Green Buildings in Korea S.J. Lee and K.G. Lee	1584
Analysis and Optimization of Production Line Balance Based on ECRSI J.G. Yi	1588
Analysis on Regional Difference of Causal Relationship between Energy Consumption Intensity and Economic Growth in Eastern, Central and Western China	1.500
M. Shang  Balance Analysis and Improvement of Headphone Speaker Production Line	1592
B. Hu and L.Y. Yu	1596
Carbon Footprint Assessment Methods of Wood Furniture Based on LCA M. Liu and G.Y. Li	1600
China Sports Industry Value Chain Management L.X. Liu	1603
Data Envelopment Analysis to Compare Renewable Energy Efficiency in the Italian Regions	1005
F. Cucchiella and M. Gastaldi	1607
<b>Design of Handling Bad Geology in the Yanjiang River Road of Hangzhou City</b> X.J. Shu	1612
<b>Digital Three-Dimensional Labeling System of Product Design Information Based on MBD</b> Y. Cao, N.P. Gao and Z. Fang	1617
<b>Distribution and Accumulation of Energy Resources in Ordos Basin</b> W.F. Liu, S.L. Liu and L.X. Sun	1621
Evaluation and Analysis in Product Evolution Design Y.M. Wu, L. Hou, R.S. Lai and W.G. Lin	1625
Experimental Study on the Influence of Temperature and Confined Load on the Creep Characteristics of Geogrid	
Z. Zhang	1629

Function Analysis of Mature Products Based-on the Function Unit M.H. Yuan, Z.Y. Dai, S. Cheng and A.M. Ji	1633
Geological and Seismic Stratigraphy of Wangfu Sag C.Z. Liu and H.C. Sun	1637
Impact on its Financial Industry Gathering in Tianjin Economic Growth Y.M. Pan and R.R. Hou	1640
Improvement of a Boiler Feedwater System Using Six Sigma Analysis P.N. Preeta, A.A. Faieza, Z. Norzima and M.Y. Rosnah	1644
Method and Implementation of Lean Thinking Based on the Construction Management Model of Lean	1648
J. Wang  Method of Secondary Logging Interpretation of Heterogeneous Reservoirs in the Huan 26  Block, Liaohe Huanxiling Oilfield	1048
C.R. Shi, Y.C. Wang and D. Wu	1652
O&M Management and Control Practices of OPRS System Application J. Xie, S.B. Hu, J.M. Guo, G. Wu, S. Lin, B.Y. Ren, K.M. Sun and W.Q. Jiang	1657
Parameter Estimation for Lomax Distribution under Type II Censoring M. Yang, C.D. Wei and Q.Z. Fan	1663
Possibility of Reverse Engineering in Low-Cost Terms J. Novak-Marcincin, J. Torok and P. Szentivanyi	1669
Referencing International Experiences to Promote Development of Chinese Small and Micro Enterprises	
W.F. Guo	1673
Research of China's Sports Industry Management J.H. Ma	1677
Research of Processing Deformation Compensation of Flexible Leather Material Based on Knowledge Management L.M. Wu, S.C. Chen, Y.H. Deng, F.J. Li and B.J. Li	1681
Research of Project Construction Cost Forecast Based on the Reliability Y.E. Hao	1685
<b>Research on Construction Reliability Calculation Method of Engineering Project</b> Y.F. Shi and X.F. Wang	1690
Research on Green Construction Technology Innovation Network Organization Mode of Enterprise Leading Y.P. Yang	1695
Research on Model Calculating Depth of Environmental Vibration Caused by the Ground Rail Traffic Load	
X. Zheng, Y. Zhang, X.X. Tao, F.T. Wang and L.L. Xie	1698
Research on Operational Effectiveness Evaluation Based on Interval Number and Grey Decision Making X.Z. Zhu, D. Kuang, J. Gu and K.L. Nie	1702
Research on Optimization Technology of Facility Layout Based on Improved Differential Evolution Method	1702
P.B. Qu	1706
$eq:Research on Persona-Based User Requirement in the Future Exploratory Products Design Q.\ Zhang,\ S.H.\ Yu\ and\ M.J.\ Yu$	1710
Research on the Development Model of Recycling-Oriented Agro-Products Processing Industry Cluster in Fujian W.F. Guo, H.B. Wang and C.P. Li	1714
Research on the Development of Chinese Small and Micro Enterprises Based on Institutional Change W.F. Guo	1714
Research on the Development of Coal Logistics and its Economic Growth of Shanxi Province	
J. Guo  Poscorch Pun Ayyay Ship Drift Probability Distribution	1723
Research Run Away Ship Drift Probability Distribution M.Y. Zhang, L. Dai and C. Liu	1727

Revelation of Domestic and Overseas "Smart City" Construction Practice to "Smart Quanzhou" Construction W.C. Hong	1730
Safety Control Strategy Designed by the Visual Guidance System of Urban Underground Space	1750
J. Liu and Y. Shao	1735
Seismic Response Analysis of Fuyang River Aqueduct C.Y. Chen, K.L. Wei and G.Q. Yang	1739
Small and Medium Retail Enterprises Common Logistics Model and Management Strategy M.L. Tian	1743
<b>Study on Green Construction Technology Innovation Network Organization Function</b> Y.P. Yang	1747
<b>Study on Multi-Objective Synergy of Construction Project Based on Reliability Theory</b> Y.F. Shi and X.F. Wang	1751
Study on Structure Effect and Structure Reconstructing Controlling Disaster Mode of Cavity Group-Surrounding Rock System Catastrophe H.S. Luo and Q.F. Chen	1755
<b>Study on Tenders Division Optimization of Geological Disaster Prevention Project</b> X.Z. Li, Z.S. Wu and Z.R. Zhu	1766
Study on the Fluctuation Law of the Total Coal Output in China A.G. Zhao and Z.X. Li	1771
Supply Chain Information Platform Construction H.B. Wang	1780
Synergetic Design of Shell Structure and Space Art Based on Architectural Parametric Design C.H. Su	1784
The Application of ADHDP Forecasting Model-Based Vendor Managed Inventory (VMI) X.P. Zhang, B.L. Zhao and G.X. Li	1788
The Application of RFID Electronic Tag in the Apparel Industry Chain J.X. Dou	1797
The Architectural Space Analysis of SOHO K. Xie and H. Shen	1801
The Case Analysis of Clothing Display Design Based on the Specific Brand X.Y. Zhi and J.B. Zhao	1805
The Construction Personnel Safety Risk Analysis and Risk Response of Mechanical and Electrical Installation Project S.L. Hao and D.L. Zhang	1809
The Discuss of the Development of Residential Industrialization in the New Period S.Q. Gan, H. Zhang and Y.Z. Yang	1813
The Method to Construct the Pattern of Mixed Cares for the Aged in New Community G.X. Wang	1817
The Production Management System under Mass Customization Y. Shi	1821
The Research and Application of Hydraulic Compound Energy-Saving Hydraulic System H. Sun	1826
The Research of the Suitability of the Product Design and the Plastic Technique L.X. Shu	1830
The Research on the Design of Modern Tea Gift Packaging C.C. Shen	1834
The Study on Key Factors Influencing Time Delay of Public Construction Project J.G. Chang and H.W. Li	1838
Unascertained-Information-Based Calculation for the Permissible Input of Total Phosphorus in Poyang Lakes J. Yang, A.P. Tang, L. Cheng, Y.Q. Zhong, W.G. Zhang and X.Q. Xu	1842
A Study on the Comparison of the Energy and Environmental Pollution Prevention Items in South Korea's Green Building Certification System (GBCS) and the U.S. LEED System S.D. Shon, S.J. Lee and K.G. Lee	1847

Analysis of Car Sales Mode in China X.H. Shang	1851
Innovative Design and Stress Analysis of the Mower X. Liu	1855
Wind Response of Interference Effect with Tall Buildings	1633
K.P. You, Y.M. Kim and J.Y. You	1859
Analysis on Third-Degree Price Discrimination in Oligopoly Market Based on Static Game Theory X.Y. Gao	1865
Comprehensive Evaluation of Implementation Effect on Later-Period Supportive Policy of Reservoir Resettlement Based on ANFIS X. Xu, X.Y. Wang, Z.Y. Wang, Y.H. Long and S.J. Xu	1874
Game Analysis on the IUR Cooperation and Profit Realization	10/4
A.J. Liu, S.J. Li and H.L. Liu	1879
Investigation and Remedial Approach Development for a TCE Spill Site: A Case Study W.H. Huang, Y.T. Sheu, P.J. Lien, Y.S. Hsiao and C.M. Kao	1884
Prediction Method of Lithium Battery's State of Charge Based on No Trace of Calman Filter	
Z.P. Cui, Y.X. Qin and H. Li	1888
Print Ads "Three-Dimensional" Form of Research Y.H. Zhang	1892
Research on the Measurements of the Disequilibrium Degree of the Urban Agglomeration Traffic Supply and Demand	
C.B. Li, Q.Y. Zhao, R.X. Guo and L.L. Tian  Research on the Optimization of the Enterprise Logistics Distribution Based on ACO	1896
Algorithm Y.J. Feng, X. Zhang and X.H. Liu	1900
Study on the Influence of Demographic Dividend Factors on Dependency Ratio	1900
	1904
Y.B. Yang, Y. Liu and X.F. Kong	1904
Chapter 5: Bio and Medical Research	1904
	1904
Chapter 5: Bio and Medical Research  Effect of Juglone on Migration of Human Ovarian Cancer SKOV3 Cells L.Z. Zhao, S. Chen, Q. Fang, D. Zhang, Y.P. Zhu and F. Fang  CD147 Promote Proliferation in Prostate Cancer Cell	1911
Chapter 5: Bio and Medical Research  Effect of Juglone on Migration of Human Ovarian Cancer SKOV3 Cells L.Z. Zhao, S. Chen, Q. Fang, D. Zhang, Y.P. Zhu and F. Fang  CD147 Promote Proliferation in Prostate Cancer Cell Q. Fang, F. Fang, Y.L. Liu, W.P. Li and L.G. Wang  Chilling Injury Symptoms and Enzyme Activity Analysis of Lingwu Long Jujube	1911 1915
Chapter 5: Bio and Medical Research  Effect of Juglone on Migration of Human Ovarian Cancer SKOV3 Cells L.Z. Zhao, S. Chen, Q. Fang, D. Zhang, Y.P. Zhu and F. Fang  CD147 Promote Proliferation in Prostate Cancer Cell Q. Fang, F. Fang, Y.L. Liu, W.P. Li and L.G. Wang  Chilling Injury Symptoms and Enzyme Activity Analysis of Lingwu Long Jujube T.Y. Wang, X.H. Li, L. Chen and X. Liu	1911
Chapter 5: Bio and Medical Research  Effect of Juglone on Migration of Human Ovarian Cancer SKOV3 Cells L.Z. Zhao, S. Chen, Q. Fang, D. Zhang, Y.P. Zhu and F. Fang  CD147 Promote Proliferation in Prostate Cancer Cell Q. Fang, F. Fang, Y.L. Liu, W.P. Li and L.G. Wang  Chilling Injury Symptoms and Enzyme Activity Analysis of Lingwu Long Jujube T.Y. Wang, X.H. Li, L. Chen and X. Liu  Effect of Sulfur Dioxide Treatment on the Shelf Life of Red Grape H.Y. Ma, K. Gao, X.H. Li, H.H. Chen, Y.Y. Li, Q. Li, L. Zhang and P.Y. Zhao	1911 1915
Chapter 5: Bio and Medical Research  Effect of Juglone on Migration of Human Ovarian Cancer SKOV3 Cells L.Z. Zhao, S. Chen, Q. Fang, D. Zhang, Y.P. Zhu and F. Fang  CD147 Promote Proliferation in Prostate Cancer Cell Q. Fang, F. Fang, Y.L. Liu, W.P. Li and L.G. Wang  Chilling Injury Symptoms and Enzyme Activity Analysis of Lingwu Long Jujube T.Y. Wang, X.H. Li, L. Chen and X. Liu  Effect of Sulfur Dioxide Treatment on the Shelf Life of Red Grape H.Y. Ma, K. Gao, X.H. Li, H.H. Chen, Y.Y. Li, Q. Li, L. Zhang and P.Y. Zhao  Effectiveness of Vaporous Hydrogen Peroxide for the Decontamination of Bacillus atrophaeus in Confined Space	1911 1915 1919 1924
Chapter 5: Bio and Medical Research  Effect of Juglone on Migration of Human Ovarian Cancer SKOV3 Cells L.Z. Zhao, S. Chen, Q. Fang, D. Zhang, Y.P. Zhu and F. Fang  CD147 Promote Proliferation in Prostate Cancer Cell Q. Fang, F. Fang, Y.L. Liu, W.P. Li and L.G. Wang  Chilling Injury Symptoms and Enzyme Activity Analysis of Lingwu Long Jujube T.Y. Wang, X.H. Li, L. Chen and X. Liu  Effect of Sulfur Dioxide Treatment on the Shelf Life of Red Grape H.Y. Ma, K. Gao, X.H. Li, H.H. Chen, Y.Y. Li, Q. Li, L. Zhang and P.Y. Zhao  Effectiveness of Vaporous Hydrogen Peroxide for the Decontamination of Bacillus atrophaeus in Confined Space T. Liang, K. Zhou, J. Gu, R. Yan and Z.Z. Ji	1911 1915 1919
Chapter 5: Bio and Medical Research  Effect of Juglone on Migration of Human Ovarian Cancer SKOV3 Cells L.Z. Zhao, S. Chen, Q. Fang, D. Zhang, Y.P. Zhu and F. Fang  CD147 Promote Proliferation in Prostate Cancer Cell Q. Fang, F. Fang, Y.L. Liu, W.P. Li and L.G. Wang  Chilling Injury Symptoms and Enzyme Activity Analysis of Lingwu Long Jujube T.Y. Wang, X.H. Li, L. Chen and X. Liu  Effect of Sulfur Dioxide Treatment on the Shelf Life of Red Grape H.Y. Ma, K. Gao, X.H. Li, H.H. Chen, Y.Y. Li, Q. Li, L. Zhang and P.Y. Zhao  Effectiveness of Vaporous Hydrogen Peroxide for the Decontamination of Bacillus atrophaeus in Confined Space T. Liang, K. Zhou, J. Gu, R. Yan and Z.Z. Ji  Evaluation of Combined Treatments of Natural Fibers: Kenaf, Abaca and Oil Palm Fibers Using Micromechanical and SEM Methods S. Sreenivasan, S.A. Ibraheem, S. Sulaiman, B.T.H.T. Baharudin, M.K.A. Mohd Ariffin and K.	1911 1915 1919 1924 1928
Chapter 5: Bio and Medical Research  Effect of Juglone on Migration of Human Ovarian Cancer SKOV3 Cells L.Z. Zhao, S. Chen, Q. Fang, D. Zhang, Y.P. Zhu and F. Fang  CD147 Promote Proliferation in Prostate Cancer Cell Q. Fang, F. Fang, Y.L. Liu, W.P. Li and L.G. Wang  Chilling Injury Symptoms and Enzyme Activity Analysis of Lingwu Long Jujube T.Y. Wang, X.H. Li, L. Chen and X. Liu  Effect of Sulfur Dioxide Treatment on the Shelf Life of Red Grape H.Y. Ma, K. Gao, X.H. Li, H.H. Chen, Y.Y. Li, Q. Li, L. Zhang and P.Y. Zhao  Effectiveness of Vaporous Hydrogen Peroxide for the Decontamination of Bacillus atrophaeus in Confined Space T. Liang, K. Zhou, J. Gu, R. Yan and Z.Z. Ji  Evaluation of Combined Treatments of Natural Fibers: Kenaf, Abaca and Oil Palm Fibers  Using Micromechanical and SEM Methods S. Sreenivasan, S.A. Ibraheem, S. Sulaiman, B.T.H.T. Baharudin, M.K.A. Mohd Ariffin and K. Abdan  Experimental Study Oviductus ranae for the Change of α-SMA and TGF-β in Hepatic Fibrosis Rat Liver	1911 1915 1919 1924 1928
Chapter 5: Bio and Medical Research  Effect of Juglone on Migration of Human Ovarian Cancer SKOV3 Cells L.Z. Zhao, S. Chen, Q. Fang, D. Zhang, Y.P. Zhu and F. Fang  CD147 Promote Proliferation in Prostate Cancer Cell Q. Fang, F. Fang, Y.L. Liu, W.P. Li and L.G. Wang  Chilling Injury Symptoms and Enzyme Activity Analysis of Lingwu Long Jujube T.Y. Wang, X.H. Li, L. Chen and X. Liu  Effect of Sulfur Dioxide Treatment on the Shelf Life of Red Grape H.Y. Ma, K. Gao, X.H. Li, H.H. Chen, Y.Y. Li, Q. Li, L. Zhang and P.Y. Zhao  Effectiveness of Vaporous Hydrogen Peroxide for the Decontamination of Bacillus atrophaeus in Confined Space T. Liang, K. Zhou, J. Gu, R. Yan and Z.Z. Ji  Evaluation of Combined Treatments of Natural Fibers: Kenaf, Abaca and Oil Palm Fibers Using Micromechanical and SEM Methods S. Sreenivasan, S.A. Ibraheem, S. Sulaiman, B.T.H.T. Baharudin, M.K.A. Mohd Ariffin and K. Abdan  Experimental Study Oviductus ranae for the Change of α-SMA and TGF-β in Hepatic Fibrosis Rat Liver Y. Li, X.O. Li, F. Hao, L. Zhang, L. Liu and X.H. Hu	1911 1915 1919 1924 1928
Chapter 5: Bio and Medical Research  Effect of Juglone on Migration of Human Ovarian Cancer SKOV3 Cells L.Z. Zhao, S. Chen, Q. Fang, D. Zhang, Y.P. Zhu and F. Fang  CD147 Promote Proliferation in Prostate Cancer Cell Q. Fang, F. Fang, Y.L. Liu, W.P. Li and L.G. Wang  Chilling Injury Symptoms and Enzyme Activity Analysis of Lingwu Long Jujube T.Y. Wang, X.H. Li, L. Chen and X. Liu  Effect of Sulfur Dioxide Treatment on the Shelf Life of Red Grape H.Y. Ma, K. Gao, X.H. Li, H.H. Chen, Y.Y. Li, Q. Li, L. Zhang and P.Y. Zhao  Effectiveness of Vaporous Hydrogen Peroxide for the Decontamination of Bacillus atrophaeus in Confined Space T. Liang, K. Zhou, J. Gu, R. Yan and Z.Z. Ji  Evaluation of Combined Treatments of Natural Fibers: Kenaf, Abaca and Oil Palm Fibers Using Micromechanical and SEM Methods S. Sreenivasan, S.A. Ibraheem, S. Sulaiman, B.T.H.T. Baharudin, M.K.A. Mohd Ariffin and K. Abdan  Experimental Study Oviductus ranae for the Change of α-SMA and TGF-β in Hepatic Fibrosis Rat Liver Y. Li, X.O. Li, F. Hao, L. Zhang, L. Liu and X.H. Hu  Exploration of Integrated Teaching Mode of Pharmaceutical Analysis G.X. Yuan, H.Y. Li, Y. Sheng, L.H. Zhang and P.G. Du	1911 1915 1919 1924 1928
Chapter 5: Bio and Medical Research  Effect of Juglone on Migration of Human Ovarian Cancer SKOV3 Cells L.Z. Zhao, S. Chen, Q. Fang, D. Zhang, Y.P. Zhu and F. Fang  CD147 Promote Proliferation in Prostate Cancer Cell Q. Fang, F. Fang, Y.L. Liu, W.P. Li and L.G. Wang  Chilling Injury Symptoms and Enzyme Activity Analysis of Lingwu Long Jujube T.Y. Wang, X.H. Li, L. Chen and X. Liu  Effect of Sulfur Dioxide Treatment on the Shelf Life of Red Grape H.Y. Ma, K. Gao, X.H. Li, H.H. Chen, Y.Y. Li, Q. Li, L. Zhang and P.Y. Zhao  Effectiveness of Vaporous Hydrogen Peroxide for the Decontamination of Bacillus atrophaeus in Confined Space T. Liang, K. Zhou, J. Gu, R. Yan and Z.Z. Ji  Evaluation of Combined Treatments of Natural Fibers: Kenaf, Abaca and Oil Palm Fibers Using Micromechanical and SEM Methods S. Sreenivasan, S.A. Ibraheem, S. Sulaiman, B.T.H.T. Baharudin, M.K.A. Mohd Ariffin and K. Abdan  Experimental Study Oviductus ranae for the Change of α-SMA and TGF-β in Hepatic Fibrosis Rat Liver Y. Li, X.O. Li, F. Hao, L. Zhang, L. Liu and X.H. Hu  Exploration of Integrated Teaching Mode of Pharmaceutical Analysis	1911 1915 1919 1924 1928 1932
Chapter 5: Bio and Medical Research  Effect of Juglone on Migration of Human Ovarian Cancer SKOV3 Cells L.Z. Zhao, S. Chen, Q. Fang, D. Zhang, Y.P. Zhu and F. Fang  CD147 Promote Proliferation in Prostate Cancer Cell Q. Fang, F. Fang, Y.L. Liu, W.P. Li and L.G. Wang  Chilling Injury Symptoms and Enzyme Activity Analysis of Lingwu Long Jujube T.Y. Wang, X.H. Li, L. Chen and X. Liu  Effect of Sulfur Dioxide Treatment on the Shelf Life of Red Grape H.Y. Ma, K. Gao, X.H. Li, H.H. Chen, Y.Y. Li, Q. Li, L. Zhang and P.Y. Zhao  Effectiveness of Vaporous Hydrogen Peroxide for the Decontamination of Bacillus atrophaeus in Confined Space T. Liang, K. Zhou, J. Gu, R. Yan and Z.Z. Ji  Evaluation of Combined Treatments of Natural Fibers: Kenaf, Abaca and Oil Palm Fibers Using Micromechanical and SEM Methods S. Sreenivasan, S.A. Ibraheem, S. Sulaiman, B.T.H.T. Baharudin, M.K.A. Mohd Ariffin and K. Abdan  Experimental Study Oviductus ranae for the Change of α-SMA and TGF-β in Hepatic Fibrosis Rat Liver Y. Li, X.O. Li, F. Hao, L. Zhang, L. Liu and X.H. Hu  Exploration of Integrated Teaching Mode of Pharmaceutical Analysis G.X. Yuan, H.Y. Li, Y. Sheng, L.H. Zhang and P.G. Du  Indigenous Microbial Active Formula System and Field Application	1911 1915 1919 1924 1928 1932 1940 1944

Pecan Oil Influences Learning and Memory and NF-κB Levels in the <i>Hippocampus</i> of Rats after MWM Test	
Y. Li, X.Y. Zhao, X.L. Jin, G.Q. Sun, S. Liu and Z.L. Luo	1957
Proliferation Inhibition and Apoptosis Induction of Juglone on Human Cervical Cancer HeLa Cells W. Zhang, W.H. Zhu, Y. Li, J. Luo and S.J. Lv	1961
Protective Effects of the Extract of Juglans mandshurica Maxim on Endothelial Cell	1901
Damage	40.5
W.H. Zhu, W. Zhang, Y.X. Qin, N. Shen, L.J. Zhao and X.Y. Zhao	1965
Research on Improvement of Sulfate Reduction Capability of Sulfate Reducing Bacteria by Plasma Mutagenesis	
Y.Y. Zhu, T. Liu and J. Zhang	1969
Study of the Protective Effect of <i>Schizandra chinensis</i> Polysaccharide on Oxidative Damage of Mouse Spermatozoa <i>In Vitro</i>	
D.H. Zhao, Y. Zhang, Z. Yuan, M.L. Li, W.Y. Luo and X.P. Han	1973
The Application of Translational Medicine in Pharmacological Teaching X.D. Huang, K. Ren and Y.C. Wang	1978
Changes in the Quality of Soybean during Warehouse Storage W.Q. Yang, H.D. Liu, X. Liu, X.H. Li, C.X. Shao, M.M. Hao and Y.B. Jiang	1982
An Experimental Study on the Rainfall-Runoff Progress of Wheat under Different Slope	
Angle N.N. Zhao, F.L. Yu, C.Z. Li, J. Liu and H. Wang	1986
Cognitive Behavior Therapy Ameliorates Non-Motor Symptoms in Parkinson's Disease C.Y. Wang, D. Li, S.K. Yu, M.H. Wang, Q. Guan and C.H. Li	1995
Study on the Shelf Life Quality of Kiwifruit with Different Maturity H.H. Chen, K. Gao, X.H. Li, H.Y. Ma, Y.Y. Li, Q. Li, X.H. Huang, M.M. Hao and L. Chen	2006
Quantitative Analysis of Radix Rehmanniae from Genuine Producing Area by Near	
Infrared Spectroscopy H.Y. Gong, C.X. Xie, M.X. Wu, Y.X. Cui, Z.H. Chen and Y. Bai	2010
The Study of Stability of Processing Grease Storage Temperature on Soybean K.F. Hao, M.M. Hao, L. Chen, D. Wu, C.H. Song, J.J. Li and Q. Li	2014
Hardness of the Schizolobium amazonicum Wood	
D.H. de Almeida, R.S. Cavalheiro, F.S. Ferro, T.H. de Almeida, A.L. Christoforo, C. Calil Junior and F.A. Rocco Lahr	2018