Table of Contents

Research on rapid qualitative detection of titanium in pyrotechnics	1
Junyi Wu, Yunlian Zhang, Lanhua You	
The Key Technical Research of Supply Chain Finance Platform Based on the Blockchain Technology	6
Qiang Li, Xinqiang Ma	
A Multi Energy Complementary Energy Collection Device for Railway	11
Youlong Hua, Jiahui Cui	
The Application of Bionic Design on Daily Ceramic Design	16
Zeping Huang	
Research on the Application of Hybrid Power Technology in Vehicle Engineering	22
Luhua Chen	
Solar Air-Conditioning Refrigeration Technology and Its Research Progress	26
Zheng Fuzhen, Lv Jun, Li Xiaodong, Fu Ying	
Method of Post-Tensioned Box Girder Precast Construction Craft and the Tensioning Process Control Research	31
Junping Bian	
Fast Synthesis of the Iridium (Iii) Complexes At Room Temperature for High-Performance Oleds	35
Zhiwei Zhang, Youxuan Zheng	
The structure design and performance analysis of a racing welded steering knuckle	46
Jing Chen, Xinyi Shen, Zhicheng Zeng	
Research Status of Element Distribution in Titanium Slag Smelting	53
Shihong Huang, Xianhao Long, Guangxian Luo, Lei Wang, Ting Lei	
Points of Subgrade and Pavement Construction Technology in Highway Engineering Construction	59
Zhiyi Li	
Faulting Forecast of Concrete Pavement Considering Erosion and Void	63
Jingjing Li, Zhanfeng Wang	
Analysis of Water Damage Test of Superflex Modified Asphalt and Asphalt Mix	69
Qiuyun Wang	

Analysis on Water Conservancy Project Construction Technology and Management	73
$Qin\;LU$	
Application Analysis of Bim Technology in the Architectural Design Stage	77
Lei YUAN, Xi YANG	
Rapid Evaluation of Cracked Cement Pavement Repair in Expressway Service Area	81
Zhe Gao, Yao Feng, Qingbing Li, Xiaoyan Yang, Chuang Chen	
Analysis of the Function of Classical Garden Architectural Design Techniques on Modern Architectural Design	86
Yi LUO	
Application Analysis of Intelligent Control in Mechatronic System	91
Xu WANG, Yilong Liao	
Research on Water Conservancy Project Based on Environmental Protection Concept	96
Jinlong Kang	
Application of Nano-ceramic Materials in Lingnan Characteristic Interior Decoration Design	100
Jin LING	
Analysis of Construction Technology in Concrete and Steel Structure Engineering	104
Yuzhen Guo	
Research on the Connection between Architectural Murals and Architectural Environment Based on Public Cultural Service Function	107
Jia HAO	
Research and Analysis on the Relationship between Geometric Parameters and Cutting Force of Mechanical Milling Tool	112
Dongya Li, Ming Wei	
How to Better Apply New Building Materials in Structural Design of Building Engineering	117
Shui Liu, Shu Tang, Yawen Zhong	
The First Principle Study of LixCoO2 at High Voltage	122
Lili Wang, Ye Liu	
Study on the Monitoring Method of Stress Point of Steel Tube Concrete Pipe Structure	126
Shiwei Jin	
Performance of Four Coatings as Surface Strengthening Materials for Concrete Pavement	131
Shiwei Jin	
Rapid Design of Composite Light Aircraft Wing Structure	135
Lei Kong	

Research and Application of Low-rise Assembly Modular Building System	14 0
Haihua Su	
Compensation of Axial Force Gap Between Induction Wheel and Impeller Combined With Impeller for Centrifugal Pump	145
Jing Shi	
Analysis of Material Selection in Mechanical Design Processing	149
Liu Yanhua, Qian Na	
Research on modern machining technology and precision machining technology	154
Liu Yanhua, Qian Na	
Structure Design of Hydraulic Cylinder Support Based on Finite Element Analysis	159
Yuan Cheng, Zhigang Liu, Nan Zhang	
Application of Energy Saving in Small High-rise Building Based on BIM Model	164
Ya Qin	
Research on Application of Green Manufacturing Technology in Mechanical Manufacturing Process	168
Wan Jun, Zhang Yu, Liu Guo-Wu	
Application of Mechanical Automatic Control Technology in Engineering Construction	173
Zhang Li	
Thoughts on Modern Machining Technology and Precision Machining Technology	178
Mingtao Xu, Yuangui Ji	
The Characteristics and Development Trend of Automation of Intelligent Machinery Design and Manufacturing	183
$Fu\ Bo$	
Innovative Application of Air Conditioning Energy Saving Technology in Commercial Complex Building	187
Ran Junjun, Yuan Lei	
Aircraft Composite Structure Static Strength Airworthiness Verification Technology	192
Kong Lei	
Experimental Study on Compressive Strength and temperature Evolution of High Performance Fiber Reinforced Concrete	197
Li Xia, Shen Xinggang	
Application of Digital Surveying and Mapping Technology in Construction Engineering Survey	201
Liu Xiahong	

Application of Anti Leakage Technology in Building Construction	206
Yongqian Liu	
Research on Energy Saving and Cost Saving Optimization Strategy of HVAC System	210
Zhaoliang Liu	
Analysis of Construction Technology Based on Concrete Structure in Civil Engineering	214
Yong Feng	
Analysis on Energy Saving and Environmental Protection Technology in Civil Engineering Construction	218
Lina Lu	
Damage Assessment of Structural Depression Caused by Ship Collision	223
Zhao Guizhu	