# Table of Contents

Adsorption and Photocatalytic Properties of Modified Rectorite-Titanium Dioxide Composites 1

_Du Yuanyuan, Shan Ping_

Study on Cement Matrix Composites Mixed with Graphene Oxide and Silicon Powder and Its Mechanical Properties 11

_Song Guicai_

Construction Control of Long-span Prestressed Concrete Continuous Steel Frame Bridge Based on Grey Prediction 16

_Li Jianhua_

Study on Fatigue Resistance Optimum Design of Steel-concrete Composite Beam Cable-stayed Bridge Deck 21

_Liu Zhaohui_

Study on the Protection and Sustainable Utilization of Plateau Ecology 25

_Xing Shunlin, Xu Penghui_

Research and Performance Analysis of Highway Pavement Widening Construction Technology 30

_Lili Zhou_

Analysis on Finite Element of Carbon Fiber Composites for Vehicles 35

_Li Wei_

Application and Analysis of BIM Technology in High Speed Railway Track Engineering Construction 40

_Lili Zhou_

Study on Application and Impact of Assembly Construction Technology in Building Residential Engineering 45

_Huang Min_

Study on Integrated Optimum Design System of Composite Aircraft Structures 49

_Kong Lei_

A Brief description on the classification and geological significance of sedimentary basins 53

_Yang Yimin, Wang Jun, Luo Jian, Luo Xiaoping_
Discussion on Civil Engineering Management and Effective Control of Engineering Cost

Ting Wang

Design Features and Construction Measures of Green Building

Xinbo Ma

Application of Renewable Energy in Architectural Design

Jing Peng, Di Cheng

Control Measures of Energy Consumption and Carbon Emission in Urban Traffic

Bo Gao

The Practice and Research of Water Protection of the Fuxian Lake in Yuxi City

Xianhua Wu, Jichang Wu, Wei Hu, Tao Yang, Dandan Liu

Impacts of climate change on hydrological cycle in the Yangtze River Basin Based on regression analysis

Huang Keliang

Optimization Design of Treating Slope Dangerous Rock Mass in Penglai Pavilion

Ying Yang, Binghua Zhou

Influence of Building Load on the Stability of Loess Slope

Zhihai Zhao, Zhangjian Xu, Yanjie Sun, Yunou Sheng

Analysis of Groundwater Seepage State of Foundation Pit with Pensile Cut-off Curtain

Qiang Zhang, Jianwen Zhong, Lei Niu

Seepage Analysis on Pensile Curtain in Pumping Groundwater of Foundation Pit in the Water-rich Sand in Harbin Floodplain

Yunsheng Liu, Lei Niu, Jing Wang

Effect of the Brazing Technique on Microstructure of TC4 Alloy Joint

Xiao Ding, Zhiling Wang

Research on Thermal Simulation Test Parameters of CGHAZ for 2.25Cr1Mo0.25V Steel

Zhang Haoyu, Liu Changjun, Chen Jin

Research Progress on Fire Resistance in Steel Structure Building

Peihang Lv

A MEMS-based Double-layer Spiral Planar Inductor using Patterned Permalloy filled with Ferrite/Polyimide Composite Materials as Magnetic Layers

Xiaomin Zhu, Ping Cheng, Mingming Chen, Guifu Ding
Land Reclamation of Metal Mines in Hilly Areas —— A Case Study of hematite in Yao Jia Gou
Zhao Shuqin, Chen Yenan, An Hongfei

The influences of precipitation on Cr in Jiaozhou Bay
Dongfang Yang, Zhenqing Miao, Haixia Li, Jun Ding, Qi Wang

Quantification of Sedimentation and Accumulation of Cd in Jiaozhou Bay
Dongfang Yang, Zhenqing Miao, Haixia Li, Hang Zeng, Xiaolong Zhang

Research on the Landscape Design of Urban Wetland in the Construction of “Sponge City”
Ding Fan

Research on Fatigue Property of Composite Box Girder with Corrugated Steel Webs
Dai Yinghuan, Yuan Shucheng, Dong Jiangfeng

Research on Green Rubber Concrete Construction Technology based on Fractal Dimension Theory
Fuyong Huang

Study on Cost of Bridge Engineering under Different Pricing Modes
Junhu Zhao

Research and Application of Bridge Detection and Condition Assessment
Qiyu Zhang

Influence of Highway Traffic Noise on Environment and Governance Methods
Wenguang Xie

Exploration on the Practical Application of the Flame Retardant Aluminum-Plastic Composite Plates used among Decorative Materials of the Curtain Wall of High-rise Buildings
Ting Zhou, Yu Song

Nanosilver coated Chitin derived membrane as an Eco-friendly Dressing and Its Effect on Wound Healing
Daijun Zhou, Tao Yang, Gaoxing Luo

Study on quantum optical phenomena of graphene under the high-intensity magnetic field drive
Zhaohua Wang, Liqing Ren

Research on High-rise Building Design Based on Ecological Architecture
He Jin, Nan Zhang

Kuznets Curve Approach to Fertilizer Pollution-Economic Growth Nexus in China
Li Fei

Analysis of reinforced concrete structures with cracks based on finite element mode

Yu Yongxiu