

# TABLE OF CONTENTS

## 目 录

**Application of Flexible Steel Shed Hole in Falling Rock Prevention**  
**(柔性钢棚洞在落石冲击中的防护应用研究)**

L. WANG, K. LI, M. WANG..... 1

**Optimum Design of Replacement Cushion**  
**(换填垫层的优化设计)**

P. DONG..... 12

**Research on Surrounding Rock Deformation Control Technology  
for Shallow Tunnel with Extra Large Section**  
**(特大断面浅埋隧道围岩变形控制技术研究)**

Z. M. WANG, H. J. GUO, X. J. LI..... 17

**Evaluation of Frost Heaving Property of Typical Soil Samples along Qinghai-Tibet Highway**  
**(青藏公路沿线典型土样冻胀性评价研究)**

Y. P. HU, Y. J. JI, X. L. ZHANG, L. CHEN..... 27

**Analysis and Comparison of Load Effect between China,  
America and Pakistan Highway Bridge Design Code**  
**(中美巴公路桥梁设计规范荷载效应分析比较)**

J. P. MENG, G. WANG, X. TIAN..... 35

**Stress and Deformation Characteristics Analysis of Surge Damage  
of High-Confining Water Foundation Pit in Silty Sand Stratum**  
**(粉细砂地层高承压水基坑突涌破坏受力变形特征分析)**

W. M. SHI, C. L. DING, S. WU, Z. REN..... 43

**Evaluation Model of Highway Tunnel Green Construction in Karst Area**  
**(岩溶地区高速公路隧道绿色施工评价模型研究)**

S. F. OU, L. DING, Z. W. WEI..... 53

**Deformation Prediction of Foundation Pit Supporting Structure  
Based on Neural Network Model**  
**(基于神经网络模型的基坑支护结构变形预测)**

B. ZHANG, K. ZHOU..... 62

**Numerical Research on the Ground Vibration Isolation Effects  
via Different Barrier Materials**  
**(屏障填充材料对地基振动隔振效果的数值模拟研究)**

H. QI, H. LI, C. HU, H. R. CHI, Z. Y. YAO, H. G. JIANG..... 71

**Analysis of Dangerous Factors of Dam Road Based on Analytic Hierarchy Process  
(基于层次分析法的坝顶道路病险因素分析)**

G. X. SONG, F. M. LV, K. WANG.....83