

Temperature monitoring for asynchronous motor based on wavelet network and parameter identification	225
H. Liu, S.L. Kang, W. Liao and S.H. Shen	
A research on the braking operation of the coal shearer with electromagnetic speed control and electric haulage	232
J.G. Liu	
Optimum design of dusting and water flooding in light sublevel caving face	240
X.H. Liu, L.H. Zhang, X.J. Lv, L. Chen, L.T. Tian and S.L. Cui	
Environment evaluation of mining area based on unascereained measure and ahm	243
L.H. Ma, W.Q. Li and H.Z. Yan	
Experimental study on compressive strength of non-fired and non-sintering modified waste ash brick masonry	247
W.Q. Meng, Y.X. Li, H.L. Cui and Y.P. Zhang	
Performance optimization and improvement of main fan for coal mine based on spraying technology	252
G.M. Wang, Q.D. Wang and J.F. Wei	
CO ₂ transcritical cycle for ground source heat pump	256
J. G. Wang, L.L. Bao and L.G. Kang	
The development of intelligent temperature control device underground coal mine base on 51 MCU	261
Q.D. Wang, J.F. Wei and L.J. Yang	
Nanostructure formed by phase separation of fcc-Al from eutectic crystallization in the Al-Ni based metallic glass	267
S. H. Wang and J. Mi	
Preparation of potassium alum from illite	272
Y.G. Wang, B.Q. Zhao and B. Li	
Robust design of the mine pneumatic pump based on response surface methodology	275
X. L. Wei, X. Liu and K. Wang	
The design and study of on-line detection system about hydraulic control valve based on FIX software	280
B. S. Wu, J.J. Jiang, T.L. Liu and Z.W. Tian	
Steady thermal stresses in ceramic-fgm metal composite Efbfplate with temperature-dependent material properties under convectice heat transfer boundary	287
Y. J. Xu, D. H. Tu, L. L. Wang and Z. W. Zhang	
The reseach and application of rorary mining technology in fully-face	295
B.S. Yang, M.Z. Zhao, C.W. Zhang, X. X. Wei and J.P. Shang	
A new artificial neural network model of mine subsided prediction based on disposed data	299
A.B. Zhang, H.X. Liu, H. Liu and X.P. Li	
Improving the methane pumpage efficiency with the water pressure blasting in the hole drilling through coal beds	304
Y.H. Zhang and Z. Huang	
The application of the zigbee communication technology to mining Person tracking system	308
Y.Q. Zhang, W. Wu and S.J. Wang	
Taguchi method to optimize brazing conditions for copper and ASTM A501 steel	313
Y. Q. Zhang, W. Zhang and W. Wu	
A numerical method for determining the eigenvalues and eigenvector of a hermitian matrix in the real operation	318
Z.H. Zhang and P.L. Pang	
Secondary hardening of low alloyed hing speed steel W4Mo3Cr4VSiN	322
L.Y. Zheng, L.X. Zhao, L.Q. Niu and T.L. Liu	