

目 次

基于 X 射线衍射实验的堆垛结构对煤尘润湿性的影响	周 刚, 薛 娇, 程卫民, 聂 文, 王 昊(1535)
节理岩体数值模拟及力学参数确定	赵 伟, 吴顺川, 高永涛, 周 喻, 肖 木(1542)
基于块体化程度和物元可拓理论的顶板稳定性分级方法及应用	陈庆发, 牛文静, 黄仁贵, 范秋雁, 陈金刚(1550)
石膏种类对富水充填材料凝结硬化性能与机理的影响	刘娟红, 马 翼, 王祖琦, 高 萌, 周 茜(1557)
稀土处理 C-Mn 钢显微组织和夹杂物演化	宋明明, 宋 波, 杨占兵, 张圣华, 宋高阳, 胡春林(1564)
超超临界机组叶片钢 KT5331 晶粒长大行为	李俊儒, 宋明强, 龚 臣, 陈 列, 佐 辉, 刘雅政(1570)
搅拌摩擦加工 IF 钢的组织性能	赵 凯, 王快社, 郝亚鑫, 王 文, 徐瑞琦(1575)
二次带状组织对低合金非调质钢疲劳性能的影响	廖庆亮, 程亚杰, 孙斌堂, 范光龙, 赵雷超, 李 冰, 张 跃(1581)
Q345R 疲劳裂纹扩展过程的声发射研究	柴孟瑜, 段 权, 张早校(1588)
多功能水性低表面处理涂料及涂层防护性能	申 琳, 高 瑾, 宋东东, 田东波, 李晓刚(1594)
盐雾对喷锡和化金印制电路板腐蚀行为的影响	易 盼, 丁康康, 宋维锋, 董超芳, 李晓刚, 吴俊升, 肖 葵(1601)
GH720Li 合金长期时效过程中 γ' 相演变规律	陈佳语, 张盼达, 董建新, 张麦仓, 姚志浩(1610)
超音速火焰喷涂 WC-12Co 涂层的滑动磨损特性	刘建金, 崔照雯, 贾成厂, 李 斌, 王大峰, 梁 栋(1617)
AlTiCrN 涂层结合界面组织特征与结合性能	孔德军, 付贵忠, 王文昌, 郭皓元(1624)
中厚板边部折叠模拟实验及机理研究	马忠伟, 张 慧, 胡 鹏, 赵 沛, 宋 波(1630)
基于压力弹塑性变形中性层偏移模型的构建与验证	王荣军, 马自勇, 马立峰, 庞志宁, 贾伟涛, 吕阳阳(1637)
高温应变片关键参数标定方法	王文瑞, 张佳明, 闫晓强, 孙志辉(1645)
基于交通网络数据优化的地理信息推荐系统	邵阔义, 班晓娟, 王笑琨, 李 斌(1651)
空间稀疏角域以及多普勒域下的 DOA 估计	刘 婷, 周 杰, 邵根富(1658)
警报接收端优化部署	盖文妹, 蒋仲安, 邓云峰, 李 竞, 杜 焱(1667)

CONTENTS

Effect of stacking structure on the wettability of coal dust based on X-ray diffraction experiment	 ZHOU Gang, XUE Jiao, CHENG Wei-min, NIE Wen, WANG Hao(1535)
Numerical modeling and mechanical parameters determination of jointed rock mass	 ZHAO Wei, WU Shun-chuan, GAO Yong-tao, ZHOU Yu, XIAO Shu(1542)
Roof stability classification method based on blockiness and the matter-element extension theory and its application	 CHEN Qing-fa, NIU Wen-jing, HUANG Ren-gui, FAN Qiu-yan, CHEN Jin-gang(1550)
Impact of gypsum type on the setting and hardening performance and mechanism of water-rich filling materials	 LIU Juan-hong, MA Yi, WANG Zu-qi, GAO Meng, ZHOU Qian(1557)
Microstructure and inclusion evolution in rare earth treated C-Mn steel	 SONG Ming-ming, SONG Bo, YANG Zhang-bing, ZHANG Sheng-hua, SONG Gao-yang, HU Chun-lin(1564)
Grain growth behavior of blade steel KT5331 for ultra-super critical units	 LI Jun-ru, SONG Ming-qiang, GONG Chen, CHEN Lie, ZUO Hui, LIU Ya-zheng(1570)
Microstructure and mechanical properties of friction stir processed IF steel	 ZHAO Kai, WANG Kuai-she, HAO Ya-xin, WANG Wen, XU Rui-qi(1575)
Effect of secondary banded structure on the fatigue properties of non-quenched and tempered micro-alloyed steel	 LIAO Qing-liang, CHENG Ya-jie, SUN Bin-tang, FAN Guang-long, ZHAO Lei-chao, Li Bing, ZHANG Yue(1581)
Acoustic emission study of fatigue crack propagation in Q345R	 CHAI Meng-yu, DUAN Quan, ZHANG Zao-xiao(1588)
Multifunctional water-based surface tolerant coating and its protective performance	 SHEN Lin, GAO Jin, SONG Dong-dong, TIAN Dong-bo, LI Xiao-gang(1594)
Effect of salt spray environment on the corrosion behavior of PCB-HASL and PCB-ENIG	 YI Pan, DING Kang-kang, SONG Wei-feng, DONG Chao-fang, LI Xiao-gang, WU Jun-sheng, XIAO Kui(1601)
Evolution of γ' precipitates in GH720Li alloy during long-term aging	 CHEN Jia-yu, ZHANG Pan-da, DONG Jian-xin, ZHANG Mai-cang, YAO Zhi-hao(1610)
Sliding-wear characteristics of WC-12Co HVOF thermal spraying coatings	 LIU Jian-jin, CUI Zhao-weng, JIA Cheng-chang, LI Bin, WANG Da-feng, LIANG Dong(1617)
Interfacial structural characteristics and bonding performance of AlTiCrN coatings	 KONG De-jun, FU Gui-zhong, WANG Wen-chang, GUO Hao-yuan(1624)
Simulation experiments and mechanism of medium plate edge folding	 MA Zhong-wei, ZHANG Hui, HU Peng, ZHAO Pei, SONG Bo(1630)
Construction and verification of a neutral layer offset model based on pressure elastic-plastic deformation	 WANG Rong-jun, MA Zi-yong, MA Li-feng, PANG Zhi-ning, JIA Wei-tao, LÜ yang-yang(1637)
Calibration method for the core parameters of high temperature strain gauges	 WANG Wen-rui, ZHANG Jia-ming, YAN Xiao-qiang, SUN Zhi-hui(1645)
Geographic information recommender system optimized by transportation network data	 SHAO Kuo-yi, BAN Xiao-juan, WANG Xiao-kun, LI Bin(1651)
Direction-of-arrival estimation under spatial sparse angular and Doppler domains	 LIU Ting, ZHOU Jie, SHAO Gen-fu(1658)
Optimized placement of indoor alarm receiving terminals	 GAI Wen-mei, JIANG Zhong-an, DENG Yun-feng, LI Jing, DU Yan(1667)