

主管 中国有色金属工业协会

主办 矿冶科技集团有限公司

ISSN 2095-1744
CN10-1004/TF

有色金属工程

NONFERROUS METALS ENGINEERING

- 全国中文核心期刊
- 美国《艾博思科数据库》
(EBSCOhost) 来源期刊
- 《日本科学技术振兴机构中国文献数据库》
(JSTChina) 来源期刊
- 美国《乌利希期刊指南(网络版)》
(Ulrichsweb) 来源期刊

8

Vol.10

2020

ISSN 2095-1744



目 次

材料制备与加工

- 不同制坯工艺对轧制铝铜板材的组织及性能影响 郑学军, 范文博, 薛 飞(1)
Mn、Zr 和 Sc 添加对 7050 合金组织及性能的影响 蔡 云, 唐碧珍, 葛永成(5)
钙钛矿光伏电池材料优化设计研究 张 堃, 刘晓飞, 刘 勇, 孙 冬(10)
盐溶液中钢铝异质复合接头耐久性研究 冯 震, 邢保英, 何晓聪, 曾 凯, 靳文豪(15)
 La_2O_3 对 SiO_2 -CaO- Al_2O_3 -MgO 熔体黏度和结构的影响 王 智, 郭文涛, 赵增武, 王文峰(20)
三明治结构自冲铆接头力学性能及失效模式分析 王世鹏, 何晓聪, 刘佳沐, 张先炼, 宋承裕(27)
MnS、CdS 的压致导电性能变化 田 华, 刘俊秀, 丁治英, 尹周澜, 张衡中(33)
B 掺杂 C_3N 对 SO_2 催化氧化的第一性原理研究 王克良, 黄 禹, 李 静, 施 兰, 连明磊, 范佳鑫(39)
微观组织对 2A14 铝合金轮毂力学性能和腐蚀性能的影响 海丰龙, 苏玉长, 廖思敏, 邓吉昌(45)

提取冶金与化学工程

- 植物浸取剂原地浸出离子型稀土矿中试模拟 ... 夏侯斌, 邓 攀, 吴 希, 刘道斌, 邱 森, 刘宜强, 余音宏(52)
Mn 对铝-锰合金组织和锌电积过程锌成核的影响 杨 乐, 黄 惠, 董 劲, 何亚鹏, 郭忠诚(60)
铝空气电池废液制备氢氧化铝阻燃剂分解工艺研究
..... 施辉猷, 杨亚刚, 杨崇方, 徐庆鑫, 李永刚, 杨 妮, 谢 刚(70)

矿物加工与工艺矿物学

- 攀西某微细粒难选钛铁矿的选矿新工艺研究 严伟平(76)
培养条件对三种细菌在黄铁矿表面吸附的影响 王利沙, 贺治国, 赵洪侠(83)

地质采矿与安全生产

- 内蒙古呼伦贝尔早中生代花岗岩的年代学和岩石地球化学研究——对岩石成因和地球动力学机制的制约
..... 段先哲, 王灿州, 丁心科, 马永胜, 唐振平, 张彦生, 牛苏娟, 沈鸿杰(89)
尾矿库坝体三维渗流场的数值模拟与试验分析 赵 冰, 王光进, 刘文连, 眭素刚, 许汉华(99)
盘龙铅锌矿“三下”开采安全影响分析 郭明明, 李洁慧, 李华华, 程东旭(107)
矿山深部开采岩体稳定性监测技术研究 石 峰, 王 平, 蔡永顺, 袁本胜, 刘 强, 张 丹(113)
非煤矿山双重预防体系数字化平台研究与应用 张 丹, 马红梅(119)

环境科学与工程

- 基于 BP 神经网络的双能 X 射线透射的金属识别算法 李伟毅, 叶文华, 熊田忠(124)

Nonferrous Metals Engineering

Volume 10 Number 8

(Monthly)

August 2020

CONTENTS

Materials Preparing and Processing

- Effect of Different Blank Making Process on Microstructure and Properties of Rolled Mo-Cu Sheet
..... ZHENG Xuejun, FAN Wenbo, XUE Fei(1)
- Effect of Mn, Zr and Sc on Microstructure and Properties of 7050 Alloy
..... CAI Yun, TANG Bizhen, GE Yongcheng(5)
- Optimization Design of Perovskite Photovoltaic Cell Materials
..... ZHANG Kun, LIU Xiaofei, LIU Yong, SUN Dong(10)
- Study on Static Properties of Self-piercing Riveted—Adhesive Composite Joint in Steel/Aluminum in Salt Solution
..... FENG Zhen, XING Baoying, HE Xiacong, ZENG Kai, JIN Wenhao(15)
- Effects of La_2O_3 on Viscosity and Structure of SiO_2 -CaO- Al_2O_3 -MgO Melt
..... WANG Zhi, GUO Wentao, ZHAO Zengwu, WANG Wenfeng(20)
- Analysis of Mechanical Properties and Failure Modes of Sandwich Structure Self-piercing Riveting Joint
..... WANG Shipeng, HE Xiacong, LIU Jiamu, ZHANG Xianlian, SONG Chengyu(27)
- Pressure-induced Changes in Electrical Conductance of MnS and CdS
..... TIAN Hua, LIU Junxiu, DING Zhiying, YIN Zhoulan, ZHANG Hengzhong(33)
- First Principle Study of Catalytic Oxidation of SO_2 by B-doped C_3N
..... WANG Keliang, HUANG Yu, LI Jing, SHI Lan, LIAN Minglei, FAN Jiabin(39)
- Effect of Microstructure on Mechanical and Corrosion Properties of 2A14 Aluminum Alloy Wheels
..... HAI Fenglong, SU Yuchang, LIAO Simin, DENG Jichang(45)

Extractive Metallurgy and Chemical Engineering

- Simulation Research on Pilot Experimental of In-situ Leaching Ion-adsorption Rare Earth Ores with Plant Leaching Agent
..... XIAHOU Bin, DENG Pan, WU Xi, LIU Daobin, QIU Sen, LIU Yiqiang, YU Yinhong(52)
- Effect of Mn on Microstructure of Aluminum-manganese Alloy and Zinc Nucleation during Zinc Electrowinning
..... YANG Le, HUANG Hui, DONG Jin, HE Yapeng, GUO Zhongcheng(60)
- Study on Decomposition Technology of Aluminum Hydroxide Flame Retardant Prepared from Waste Liquid of Aluminum Air Battery
..... SHI Huixian, YANG Yagang, YANG Chongfang, XU Qingxin, LI Yonggang, YANG Ni, XIE Gang(70)

Mineral Processing and Process Mineralogy

- Study on New Beneficiation Technology for a Refractory Ultrafine Ilmenite Ore in Panxi YAN Weiping(76)
- Effect of Culture Conditions on Adsorption of Three Bacteria on Pyrite Surface
..... WANG Lisha, HE Zhiguo, ZHAO Hongxia(83)

Geology, Mining and Safety Engineering

- Chronological and Petrogeochemical Studies on the Early Mesozoic Granites in Hulun Buir, Inner Mongolia; Constraints on the Genesis and Geodynamic Mechanism
..... DUAN Xianzhe, WANG Canzhou, DING Xinke, MA Yongsheng, TANG Zhenping, ZHANG Yansheng, NIU Sujuan, SHEN Hongjie(89)
- Numerical Simulation and Experimental Analysis of Three-dimensional Seepage Field in Tailings Dam Body
..... ZHAO Bing, WANG Guangjin, LIU Wenlian, WU Sugang, XU Hanhua(99)
- Safety Impact Analysis of “Three under” Mining for Panlong Lead-Zinc Mine
..... GUO Mingming, LI Jiehui, LI Huahua, CHENG Dongxu(107)
- Investigation on Monitoring Technology of Rock Mass Stability in Deep Mining
..... SHI Feng, WANG Ping, CAI Yongshun, YUAN Bensheng, LIU Qiang, ZHANG Dan(113)
- Research and Application of Dual Prevention System Digital Platform for Non-coal Mine
..... ZHANG Dan, MA Hongmei(119)

Environment Science and Engineering

- Metal Identification Algorithm Based on BP Neural Network for Dual Energy X-ray Transmission
..... LI Weiyi, YE Wenhua, XIONG Tianzhong(124)