

# 目 次

## 冶金科学技术

### ·冶金与工艺·

- 马钢热轧钛板的工艺实践 ..... 毛 成,周庆升,曹 荐,张先发(1)  
马钢大规格铁塔角钢轧制工艺创新 ..... 张卫斌,端强,吴保桥(3)  
马钢 S650MC 结构钢边部裂纹控制实践研究 ..... 毛 鸣,范海宁,周亚辉,黄传根,张 焰,张立鑫,王 泉(6)  
合金化热镀锌 IF 钢表面条纹缺陷分析 ..... 崔 磊(10)  
提高铁路货车用 60Si2CrVAT 弹簧疲劳寿命的工艺实践 ..... 尹德福,汪开忠,龚梦强,张晓瑞(14)  
高耐候热轧 H 型钢不同形变工艺下的组织转变规律 ..... 邓从佳,陈 辉,彦井成(17)  
减少线材划(擦)伤,提高产品表面质量 ..... 宫 辉,葛晴晴,孙 凯(21)  
弹簧钢 60Si2Mn 脱碳敏感性实验室研究 ..... 张晓瑞,汪开忠,尹德福,姜 婷,龚梦强(24)  
低倍冷酸腐蚀法在钢件缺陷科研检验中的应用研究 ..... 牟祖茂,宋祖峰,汤志忠,尹德福(27)  
利用热眼技术优化弹簧钢修磨工艺 ..... 葛晴晴,彭进明,宫 辉,陈鸿旭,孙 凯,高建国(31)  
ICP - AES 法测定高炉渣中氧化镁分析方法研究 ..... 张 洁,刘 文,莫江霞(33)  
高频燃烧红外吸收法测定高镍不锈钢中碳硫含量 ..... 郭士光,王忠乐(37)

### ·冶金与机械·

- 铸造起重机卷扬行星差动减速机运行原理及故障分析 ..... 郑 君(40)

### ·冶金与自动化·

- 自动化检验系统的合理布局及流程规划 ..... 王曼娟,蔡 璐,戴国宣,嵇 龙(44)  
烧结熔剂破碎系统自动控制系统的应用 ..... 许永钢,徐 冰,何 奎(47)  
常化酸洗机组 Profibus - DP 网络故障排查及改造 ..... 欧庆峰,王 浩,司 洋(49)

### ·冶金与建筑·

- 改性铁尾矿砂力学性能室内试验研究 ..... 丁玉江,蒋育红,张正军,刘 颖(52)

### ·综合·

- 某金矿地下深部开采对露天采场及周边构筑物安全影响数值分析 ..... 王从云(56)  
细颗粒含铁料综合处理及高效利用探讨 ..... 熊德怀,陈东峰,李小静,武 轶,张晓萍(60)  
旋风式清堵技术在焦化筒仓的应用 ..... 熊 燕,崔少华,汪 涛(64)

## 高等职业(其它)教育

- 论大型企业“新生代”职业培训中“人格”要素的应用 ..... 刘 华(66)  
PaGamo 游戏教学平台在职业学校教学中的运用研究 ..... 乐 颖(70)  
大数据时代下计算机专业教学探究 ..... 黄小可(73)  
高职院校体质健康测试工作的运行现状及反思 ..... 廖培敏,祖晓敏(75)  
高职学校校园足球开展现状、问题与对策 ..... 朱 鸣(78)

注意规律在体育教学中的运用 ..... 黄修明(81)

### 企业经济与管理

- 中美贸易摩擦对马鞍山市部分企业用工影响的调查 ..... 张 鑫(83)  
FMEA 在车轮实现中的应用 ..... 国新春,张 磊(85)  
马钢热轧金属平衡管理 ..... 黄 曼(89)

### 人文学术研究

- 新时代皖苏结合部共建自贸区港研究 ..... 黄国雄,王 平,李德俊,杨根子,王成武(92)  
着力于“三个聚焦”推动大数据时代高校思想政治教育创新 ..... 谢志燕(95)  
农业转移人口市民化成本效益分析 ..... 朱 琴(98)  
新时代离退休职工党建工作的几点思考 ..... 杨 骏(102)  
共享单车押金沉淀法律问题研究 ..... 田翊成(106)

英文目次

稿 约

封二、封三 ..... 于含露

[期刊基本参数] CN34 - 1281/Z \* N \* 1990 \* q \* A4 \* 112 \* zh \* p \* ¥20.00 \* 500 \* 34 \* 2019 - 01

**安徽冶金科技职业学院学报编委会**                   **学报主要负责人**

**主任委员:**

唐琪明

**主 编:**

张永涛

**副主任委员:**

张永涛(常务) 牛树刚

**委 员:** (以姓氏笔划为序)

王小平 王 艳 叶国林

**编辑部主任:**

田朝林

田朝林 刘良和 陈厚新

张庆平 侯 涵 龚义书

端 强

**主管:**马钢(集团)控股有限公司

**编辑部地址:**安徽冶金科技职业学院

**主办:**安徽冶金科技职业学院

**邮编:**243041      **电话:**0555 - 2880113

**地址:**安徽省马鞍山市湖西南路 555 号

**E - mail:**ayzyxb@163.com

**刊号:**ISSN1672 - 9994  
CN34 - 1281 / Z

**http:**//ahyjkjzyxyb.periodicals.net.cn/default.html

**国内发行:**安徽省邮政公司

**订阅:**全国各地邮政局(所)

**邮发代号:**万方数据

**定价:**20.00 元 (季刊 逢当季首月出版)

# Contents

Process Practice of the Hot Rolling of Titanium Plate in Masteel .....	MAO Cheng,ZHOU Qing - shen,CAO Jian,etc(1)
Innovation of Large Size Angle Steel Rolling Technology in Masteel .....	ZHANG Wei - bin,DUAN Qiang,etc(3)
Study on the Controlled Edge Cracks of S650MC Structural Steel in Masteel .....	MAO Ming,Fan Hai - ning,ZHOU Ya - hui,etc(6)
Investigation of Striae Defect on Hot Dip Galvannealed IF Steel .....	CUI Lei(10)
Process Practice for Improve Fatigue Life of 60Si2CrVAT Spring for Railway Freight .....	YIN De - fu,WANG Kai - zhong,GONG Meng - qiang,etc(14)
Micro - structure Transformation in the Deformation Processing of Weathering Hot - rolled H - beam Steel .....	DENG Cong - jia , CHEN Hui,YAN Jing - cheng(17)
Research on Reduce Scratch Defect and Improving Surface Quality of Wire Rode .....	GONG Hui,GE Qing - qing,SUN Kai(21)
Investigation on Decarburization Sensitivities of Spring Steel 60Si2Mn .....	ZHANG Xiao - Rui,WANG Kai - Zhong,YIN De - Fu,etc(24)
Study on the Application of Low Cold Acid Corrosion Method in Research and Inspection of Steel Parts Defects .....	MU Zu - mao,SONG Zu - feng,TANG Zhi - zhong,etc(27)
Using HotEye Technology to Optimize Spring Steel Grinding Process .....	GE Qing - qing, PENG Jin - ming, GONG Hui,etc(31)
Analytical Method for Determination of Magnesium Oxide in Blast Furnace Slag by ICP - AES .....	ZHANG Jie,LIU Wen, JIA Jiang - Xia(33)
Determination of Carbon and Sulfur in High Nickel Stainless Steel by High Frequency Combustion Infrared Absorption Method .....	GUO Shi - guang,WANG Zhong - le(37)
Analysis on the Principles & Breakdowns of the Planetary reducer of Main Hoisting Mechanism of Ladle Cranes .....	ZHENG Jun(40)
Automation System Layout and Process in the Test .....	WANG Man - juan, CAI Lu,DAIGuo - xuan,etc(44)
Application of automatic control system for sinter flux crushing system .....	XU Yong - gang,XU Bing,HE Kui(47)
APL Profibus - DP Network faults Trouble Shooting and Revamping .....	OU Qing - feng,Wang Hao,Si Yang(49)
Laboratory Study on Mechanical Properties of Modified Iron Tailing Sand .....	DING Yu - jiang,JIANG Yu - hong,ZHANG Zheng - jun,etc(52)
Numerical Analysis of the Influence of Deep Underground Mining of a Gold Mine on the Safety of Open Pit and Surrounding Structures .....	WANG Cong - yun(56)
Study on Comprehensive Treatment and Utilization of Fine Particle Iron .....	XIONG De - huai,CHEN Dong - feng, LI Xiao - jing,etc(60)
Application of Cyclonic Block Elimination Technology in Coking Silo .....	XIONG Yan,CUI Shao - hua,WANG Tao(64)
A pilot study in Application of "Personality" Elements in Vocational Training facilitated by Large Enterprises for the "New Generation" .....	LIU Hua (66)
Research on the Application of PaGamo Game Teaching Platform in Vocational School Teaching .....	YUE Ying(70)
Exploration of Computer Professional Teaching in The Era of Big Data .....	HUANG Xiao - ke(73)
Operational Status and Reflection on Physical Health Testing in Higher Vocational Colleges:A Case Study of Anhui Vocational Collage of Metallurgy and Technology .....	LIAO Pei - min,ZU Xiao - min(75)
The Status, Problems and Countermeasures of Campus Soccer Development in Higher Vocational Schools —Take Anye College as an example .....	ZHU Ming(78)
How to apply the law of attention in physical education teaching .....	HUANG Xiu - ming(81)
Sino - US Trade Friction on Some Enterprises in Ma ' anshan City Investigation of Employment Impact .....	ZHANG Xin(83)
Application of FMEA in Wheel Manufacture .....	GUO Xin - chun,ZHANG Lei(85)
Metal Balance Management on Masteel hot rolling line .....	HUANG Man(89)
A probe into the Construction of Free Trade area Port in the Joint area of Anhui and Jiangsu Union in the New era .....	HUANG Guo - xiong,WANG Ping,LI De - jun,etc(92)
Focus on "Three Focuses" Promoting the Innovation of Ideological and Political Education in Colleges in the Era of Big Data .....	XIE Zhi - yan(95)
Cost - benefit Analysis of Agricultural Migration Population .....	ZHU Qin(98)
Some Thoughts on Party Construction of Retired Workers in the New Era .....	YANG Jun(102)
Study on Legal Issues of Precipitation of Shared Bicycle Deposits .....	TIAN Yi - cheng(106)