

目 次

综合论述

服务化转型助推钢铁行业供给侧改革	孙蓟泉, 唐 荻, 米振莉, 王一德	1
------------------------	--------------------	---

原料与炼铁

利用澳大利亚 Hawsons 磁铁精矿生产氧化球团试验	王志花, 李光森, 滕 飞, Ray Koenig, Quentin Hill, Lou Jelenich	9
对高炉无料钟炉顶精确布料的改进	郭 龙, 张兴中, 岳利涛, 冯常喜	15

炼钢

25CrMo 钢锭点状偏析区微观组织特点	邹长飞, 杨接明, 韦贤毅, 梁 宇, 杨 明	21
废钢熔化的热模试验	杨文远, 蒋晓放, 李 林, 彭小艳, 王明林, 史晓强	27
异型连铸坯结晶器内表面纵裂萌生区域	陈 伟, 于兴旺, 王嘉琦, 王宝祥, 陈 颖, 马劲红	36
基于紊流射流理论的连铸结晶器液面波动	金 昕, 孟子尧, 任廷志, 刘志伟, 李 杰	42

压力加工

高精度型钢轧制数字化技术及应用	康永林, 朱国明, 陶功明, 张思勋	49
冷连轧过程乳化液流量综合优化设定技术	白振华, 侯 彬, 宋和川, 李柏阳, 杜江城, 华长春	58

钢铁材料

真空轧制 825 合金/X65 钢复合板的组织性能	骆宗安, 陈晓峰, 谢广明, 王国栋, 党 军, 王光磊	64
热处理对 AISI4340 钢临界点及 CCT 曲线的影响	王春芳, 厉 勇, 李 南, 路 岩, 李继康	70
30MnVS 非调质钢的开发	周 蕾, 魏刚武, 高延祥, 孙 华	76

环保与能源

碳热还原法回收不锈钢尾渣中铁和铬的试验	漆启松, 徐安军, 贺东风, 潘江涛	82
烧结合热锅炉并联发电系统模型与调控方法	胡长庆, 闫龙格, 赵 凯	88

技术交流

液压缸非线性刚度的轧机辊系振动分析	刘 彬, 潘贵翔, 李 鹏, 刘浩然, 姜甲浩	93
连续酸洗过程控制数学模型开发与应用	陈金山, 周国平	100

信息

.....	(8)
-------	-----

征稿及征订启事

.....	(35)(108)
-------	-----------

CONTENTS

Technical Reviews

Service-oriented transitions boosting supply-side reform of steel industry

.....SUN Ji-quan, TANG Di, MI Zhen-li, WANG Yi-de 1

Raw Material and Ironmaking

Pelletizing performance of Hawsons magnetite concentrate

.....WANG Zhi-hua, LI Guang-sen, TENG Fei, Ray Koenig, Quentin Hill, Lou Jelenich 9

Improvement on burden distribution of bell-less top in blast furnace

.....GUO Long, ZHANG Xing-zhong, YUE Li-tao, FENG Chang-xi 15

Steelmaking

Microstructure characteristics of spot segregation of 25CrMo steel ingot

.....ZOU Chang-fei, YANG Jie-ming, WEI Xian-yi, LIANG Yu, YANG Ming 21

Thermal simulation experiments on scrap melting

.....YANG Wen-yuan, JIANG Xiao-fang, LI Lin, PENG Xiao-yan, WANG Ming-lin, SHI Xiao-qiang 27

Initiation locations of longitudinal surface cracks on beam blank in mold of continuous casting

.....CHEN Wei, YU Xing-wang, WANG Jia-qi, WANG Bao-xiang, CHEN Ying, MA Jin-hong 36

Level fluctuation in continuous casting mold based on theory of turbulent submerged jet

.....JIN Xin, MENG Zi-yao, REN Ting-zhi, LIU Zhi-wei, LI Jie 42

Metal Forming

Digital technology and application of high precision section steel rolling

.....KANG Yong-lin, ZHU Guo-ming, TAO Gong-ming, ZHANG Si-xun 49

Comprehensive optimization setting technology of emulsion flow in cold rolling process

.....BAI Zhen-hua, HOU Bin, SONG He-chuan, LI Bo-yang, DU Jiang-cheng, HUA Chang-chun 58

Materials

Microstructure and mechanical property of vacuum hot-rolled 825 alloy/X65 pipeline steel clad plate

.....LUO Zong-an, CHEN Xiao-feng, XIE Guang-ming, WANG Guo-dong, DANG Jun, WANG Guang-lei 64

Effect of heat treatment process on critical transformation and CCT curve of AISI4340 steel

.....WANG Chun-fang, LI Yong, LU Yan, LI Nan, LI Ji-kang 70

Development of 30MnVS non-quenched and tempered steel

.....ZHOU Lei, WEI Gang-wu, GAO Yan-xiang, SUN Hua 76

Environmental Protection and Energy

Carbothermic reduction for recycling of iron and chromium from stainless steel slag

.....QI Qi-song, XU An-jun, HE Dong-feng, PAN Jiang-tao 82

Model construction and control method for power generation system of parallel sintering waste heat boiler

.....HU Chang-qing, YAN Long-ge, ZHAO Kai 88

Technology Exchange

Vibration analysis of roll system with nonlinear stiffness of hydraulic cylinder

.....LIU Bin, PAN Gui-xiang, LI Peng, LIU Hao-ran, JIANG Jia-hao 93

Development and application of mathematical model for process control in continuous pickling line

.....CHEN Jin-shan, ZHOU Guo-ping 100

Information

..... (8)

Contribution Wanted and Subscription Announcement

..... (35)(108)