

目 次

综合论述

40CrNiMo 钢国内外研究现状	王敬忠, 李科元, 刘阿娇, 杜忠泽	1
-------------------------	--------------------	---

原料与炼铁

高硫铁精矿配比对球团工艺参数及性能的影响	周明顺, 王义栋, 赵东明, 王俊山, 李建军, 金增武	11
中钛型磁铁精矿对烧结性能影响的试验	蒋大军	18
温度和铁水成分对炭砖溶解行为的影响	邓 勇, 张建良, 焦克新	25

炼钢

热处理对硅脱氧 304 不锈钢内氧化物夹杂的影响	张雪良, 杨树峰, 李京社, 翟 俊	32
1 273 K 热处理过程中 FeO 对硅锰脱氧钢中复合氧化物的影响	叶 飞, 刘成松, 倪红卫, 方 庆, 宋 潇	39
薄板坯连铸 SPHC 钢硅质量分数控制	孙 波, 张良明, 吴耀光, 解养国, 刘前芝, 万 栋	45

压力加工

2 180 mm 超宽六辊 CVC 冷轧机 SMS-EDC 边降控制特性	杨光辉, 张高尚, 张 杰, 李洪波, 芦建永	52
快速冷却前停留时间对微合金钢相变的作用	郭 锦, 史佳新, 陈雨来	62

钢铁材料

H13 钢中富钒初生碳化物的形成及影响因素	孙晓林, 王 飞, 毛明涛, 陈希春, 杜广巍, 郭汉杰	68
高性能 GCr15 轴承钢中夹杂物控制与疲劳性能	车晓健, 杨卯生, 唐海燕, 李建新, 庞学东, 孙 勇	76
固溶处理对 S30432 奥氏体耐热钢中含铌析出相的影响	徐松乾, 赵海平	86

环保与能源

碱金属氯化物对转底炉含锌烟气沉积的影响	何环宇, 宋泽宇, 侯巍巍	91
---------------------------	---------------	----

技术交流

排队论在连铸-轧钢区段加热炉出坯节奏中的应用	石鑫越, 韩伟刚, 郇秀萍, 张春霞, 常金宝	96
------------------------------	-------------------------	----

信息

.....	(101)(102)
-------	------------

征稿启事

.....	(10)
-------	------

CONTENTS

Technical Reviews

Research status of 40CrNiMo steel at home and abroad

..... WANG Jing-zhong, LI Ke-yuan, LIU A-jiao, DU Zhong-ze 1

Raw Material and Ironmaking

PEffects of adding high-sulfur magnetite concentrate on pelletizing parameters and performance

..... ZHOU Ming-shun, WANG Yi-dong, ZHAO Dong-ming, WANG Jun-shan, LI Jian-jun, JIN Zeng-wu 11

Experiment on influence of sintering properties with a medium titanium magnetite concentrateJIANG Da-jun 18

Effects of temperature and composition of molten iron on dissolution behavior of carbon brick

..... DENG Yong, ZHANG Jian-liang, JIAO Ke-xin 25

Steelmaking

Effect of heat treatment on oxide inclusion in Si-killed 304 stainless steel

..... ZHANG Xue-liang, YANG Shu-feng, LI Jing-she, ZHAI Jun 32

Influence of FeO on compound oxides in Si-Mn deoxidized steel during heat treatment at 1 273 K

..... YE Fei, LIU Cheng-song, NI Hong-wei, FANG Qing, SONG Xiao 39

Silicon mass fraction control of SPHC steel in thin slab continuous casting

..... SUN Bo, ZHANG Liang-ming, WU Yao-guang, XIE Yang-guo, LIU Qian-zhi, WAN Dong 45

Metal Forming

SMS-EDC edge control characteristics of 2 180 mm super-wide 6-high CVC cold rolling mill

..... YANG Guang-hui, ZHANG Gao-shang, ZHANG Jie, LI Hong-bo, LU Jian-yong 52

Effect of delay time before rapid cooling on transformation of micro-alloyed steel

..... GUO Jin, SHI Jia-xin, CHEN Yu-lai 62

Materials

Formation and affecting factors of V-rich primary carbides in H13 steel

..... SUN Xiao-lin, WANG Fei, MAO Ming-tao, CHEN Xi-chun, DU Guang-wei, GUO Han-jie 68

Inclusion control and fatigue performance in high performance GCr15 bearing steel

..... CHE Xiao-jian, YANG Mao-sheng, TANG Hai-yan, LI Jian-xin, PANG Xue-dong, SUN Yong 76

Influence of solution treatment on precipitate bearing Nb in S30432 austenitic heat resistant steel

..... XU Song-qian, ZHAO Hai-ping 86

Environmental Protection and Energy

Effect of alkali chloride on sediment of zinc-bearing flus gas from rotary hearth furnace

..... HE Huan-yu, SONG Ze-yu, HOU Wei-wei 91

Technology Exchange

Application of queuing theory in rhythm of billet of CC-rolling section

..... SHI Xin-yue, HAN Wei-gang, LI Xiu-ping, ZHANG Chun-xia, CHANG Jin-bao 96

Information

..... (101)(102)

Contribution Wanted Announcement

..... (10)