

目 次

综合论述

中国钢铁工业烧结/球团工序绿色发展工程科技战略及对策 王海风, 裴元东, 张春霞, 赵志星 1

原料与炼铁

低品位复杂矿烧结碱度优化试验 武 强, 朱子宗, 曾见华, 熊 浩, 孟宪涛, 张士桥 8
高炉块状带焦炭劣化机理 吕青青, 杜 屏, 周俊兰 13

炼钢

脱氧工艺对低碳铝镇静钢洁净度的影响 马焕珣, 王新华, 黄福祥, 季晨曦, 潘宏伟 19
非钙处理铝脱氧车轮钢夹杂物形成及变形行为 赵东伟, 李海波, 高 攀, 杨 健, 郝丽霞 25
切割丝用盘条非金属夹杂对比分析 王昆鹏, 姜 敏, 赵昊乾, 王新华, 王 郢 33
T型结晶器抽锭电渣重熔高速钢 90 mm 方锭新工艺 瞿喜民, 邓 鑫, 姜周华, 邱天禹, 李春旭 39

压力加工

冷轧无取向硅钢表面白线缺陷成因分析与控制

..... 龚 坚, 王现辉, 黎先浩, 朱江波, 赵艳宇, 包燕平 46
薄板坯连铸连轧流程钛微合金钢控制轧制技术 毛新平, 孙新军, 汪水泽 52
双辊薄带铸轧熔池流动规律分析与试验 杜凤山, 吕 征, 王三众, 黄华贵, 孙静娜, 许志强 60
冷轧无取向硅钢横向厚度差控制技术 熊文涛, 郭德福, 丁善良, 孙 林 65
冷轧宽带钢板形控制降维功效继承调控方法 宋 蕾, 沈明钢, 杨利坡, 刘 军, 王军生, 陈雪波 70

钢铁材料

合理利用资源开发节钒型含镍铬 HRB500E 钢筋 戴晓天, 周和敏, 李 卫, 齐渊洪, 王长城 76
钛微合金化 IF 钢第二相粒子应变诱导析出行为

..... 惠亚军, 于 洋, 王 林, 王 畅, 陈 斌, 陈 瑾 82
Tempaloy AA-1 钢时效组织结构及力学性能分析 王 硕, 刘广兴, 谭舒平 90
00Cr25Ni22Mo2N 奥氏体不锈钢的高温氧化行为 李 磊, 陈 伟, 陈德敏, 杨 柯 94

征稿及征订启事

..... (7)(12)(45)(98)

C O N T E N T S**Technical Reviews**

Green development of sintering/pellet procedure in China iron and steel industry

..... WANG Hai-feng, PEI Yuan-dong, ZHANG Chun-xia, ZHAO Zhi-xing 1

Raw Material and Ironmaking

Optimization experiment of sinter basicity on low-grade complex ore

..... WU Qiang, ZHU Zi-zong, ZENG Jian-hua, XIONG Hao, MENG Xian-tao, ZHANG Shi-qiao 8

Coke deterioration mechanism in lump zone of blast furnace..... LÜ Qing-qing, DU Ping, ZHOU Jun-lan 13

Steelmaking

Effect of deoxidation technology on cleanliness of low carbon aluminum killed steel

..... MA Huan-xun, WANG Xin-hua, HUANG Fu-xiang, JI Chen-xi, PAN Hong-wei 19

Inclusion formation and deformation in Al-killed wheel steel without calcium treatment

..... ZHAO Dong-wei, LI Hai-bo, GAO Pan, YANG Jian, HAO Li-xia 25

Contrast on non-metallic inclusions control in wire rods for saw wire

..... WANG Kun-peng, JIANG Min, ZHAO Hao-qian, WANG Xin-hua, WANG Ying 33

New manufacture of high speed steel 90 mm billets by electroslag remelting withdrawing process

..... ZANG Xi-min, DENG Xin, JIANG Zhou-hua, QIU Tian-yu, LI Chun-xu 39

Metal Forming

Genetic analysis and control of the surface white sliver defect on the cold-rolled non-oriented silicon steel

..... GONG Jian, WANG Xian-hui, LI Xian-hao, ZHU Jiang-bo, ZHAO Yan-yu, BAO Yan-ping 46

Control rolling technology of Ti-microalloyed strip produced by TSCR

..... MAO Xin-ping, SUN Xin-jun, WANG Shui-ze 52

Analytical and experimental on the flow rule of molten pool for twin roll strip casting

..... DU Feng-shan, LÜ Zheng, WANG San-zhong, HUANG Hua-gui, SUN Jing-na, XU Zhi-qiang 60

Technology of the transverse thickness difference control for cold rolled non-oriented silicon steel

..... XIONG Wen-tao, GUO De-fu, DING Mei-liang, SUN Lin 65

Shape control dimensionality reduction efficiency inherited regulation method of cold rolling wide strip

..... SONG Lei, SHEN Ming-gang, YANG Li-po, LIU Jun, WANG Jun-sheng, CHEN Xue-bo 70

Materials

Development of HRB500E rebar containing Ni/Cr and vanadium saving by rational resource utilization

..... DAI Xiao-tian, ZHOU He-min, LI Wei, QI Yuan-hong, WANG Chang-cheng 76

Strain induced precipitation of second phase in titanium microalloyed IF steel

..... HUI Ya-jun, YU Yang, WANG Lin, WANG Chang, CHEN Bin, CHEN Jin 82

Analysis of aged microstructure and mechanical properties of tempaloy AA-1

..... WANG Shuo, LIU Guang-xing, TAN Shu-ping 90

Oxidation behavior of 00Cr25Ni22Mo2N austenitic stainless steel at high temperature

..... LI Lei, CHEN Wei, CHEN De-min, YANG Ke 94

Contribution Wanted and Subscription Announcement

..... (7)(12)(45)(98)