

## 论文

- [1] Jiaxin Li, Rufei Wei, Hongming Long, et al. Sticking Behavior of Iron Ore-Coal Pellets and its Inhibition. Powder Technology, 2014, 262 (8): 30-35
- [2] WANG Haichuan, LIAO Zhiyou, KONGHui, ZHANG Wangsheng, YIN Zhenxing, and WANG Shijun, The Effects of Steady Magnetic Field on Solidification Microstructure and Distribution of Impurity Elements of Molten Carbon Steel[J], High Temperature Materials and Processes, 29(4), pp225-232, 2010.
- [3] WANG Haichuan, HONGPeng, LIAOZhiyou, LIXin, LIJie, WANGGui, WANGShijun, and Matthew S. Dargusch, Effect of Pulsed Current on the Microstructure and Distribution of C and Mn in an Fe-0.5C-1.5Mn Alloy[J], Adv. Mat. Res., 146-147, 1612-1616, 2011.
- [4] R.F. Wei, J.X. Li, G.W. Tang, et al. Strength and Consolidation Mechanism of Iron Ore and Coal Pellets. Ironmaking & Steelmaking, 2014, 41 (7): 514-520
- [5] Z. Zhang, Y. Xiao, J.H.L. Voncken, et al. Phase equilibria in the  $\text{CaO}\cdot\text{SiO}_2$ - $\text{Na}_2\text{O}\cdot\text{SiO}_2$ - $\text{Na}_2\text{O}\cdot\text{Al}_2\text{O}_3\cdot 6\text{SiO}_2$  system. Journal of the European Ceramic Society, 2014, 34 (2): 533-539
- [6] Long H, Xiao J, Wang P. Comprehensive Emission Reduction of Sintering Exhaust Gas Pollutant with Addition of Urea. 5th International Symposium on High Temperature Metallurgical Processing, USA San Diego, 2014: 353-360
- [7] Tiejun CHUN, Hongming LONG, Jiaxin LI. Alumina-iron separation of high alumina iron ore by carbothermic reduction and magnetic separation. Separation

Science and Technology, 2014 Published online, DOI:10.1080/01496395.2014.959601

- [8] Zhongsheng Hua, Lei Wang, Jian Wang, et al. Selective extraction of rare earth elements from NdFeB scrap by molten chlorides. *ACS Sustainable Chemistry & Technology*, 2014, 2 (11): 2536-2543
- [9] WANG Haichuan, LIAO Zhiyou, WANG Shijun, DONG Yuanchi, ZHOU Yun, Kinetics of Microwave-Assisted Reduction of Manganese Oxide, *Adv. Mat. Res.*, 239-242, pp2286-2292, 2011.
- [10] Zhongsheng Hua, Lei Wang, Jian Wang, et al. Recycling of Rare Earth Elements from NdFeB Scrap by AlF<sub>3</sub>-NaF Melts. *Materials Science and Technology*. DOI: 10.1179/1743284714Y.0000000672 (In Press)
- [11] Kong Hui, Tong Lianhai, Zhu Changfei, et al. Charge-ordering correlated elastic anomalies in Nd<sub>1/3</sub>Sr<sub>2/3</sub>FeO<sub>3</sub>. *Physica B: Condensed Matter*, 2014, 434 (1): 118-121
- [12] Shan-qiang Ni, Hai-juan Wang, Jun Zhang, et al. A Novel Criterion of Mixing Time in Gas Stirred Ladle Systems. *Acta Metallurgica Sinica (English Letters)*. DOI:10.1007/s40195-014-0114-7
- [13] Shan-qiang Ni, Hai-juan Wang, Jun Zhang et al. Effects of bath depth and eccentricity on mixing phenomena in shaking ladle. *High temp. materials and proc.* DOI:10.1515/htmp-2014-0013
- [14] Xia Yun-jin, Fan Ding-dong, Wang Shi-jun, et al. Simulation of heat transfer and strain behavior in bloom casting mold. *Ironmaking & Steelmaking*, 2014, 41 (3):

- [15] L.Z.Chang, X.F.Shi, J.Q.Cong. Study on the mechanism of oxygen increase and countermeasure to control oxygen content during electroslag remelting process. *Ironmaking and Steelmaking*, 2014, 41 (3): 182-186
- [16] WANG Haichuan, LIAO Zhiyou, PANGRuipeng, HONG Peng, WANG Shijun, LI Jie, WANG Gui and Matthew S. Dargusch, Effect of Static Magnetic Field on Distribution of Elements in the Fe-S, Fe-Si, and Fe-Mn Alloys[J], *Adv. Mat. Res.*, 194-196, pp367-370, 2011.
- [17] L.Z.Chang, X.F.Shi, J.Q.Cong, et al. Effects of relative motion between the consumable electrodes and the mould on the solidification structure of electroslag ingots during electroslag remelting process. *Ironmaking and Steelmaking*, Accepted, 2014, 41 (8): 611-617
- [18] Chang Lizhong, Shi Xiaofang, Wang Runxi, et al. Effect of mold rotation on inclusion distribution in bearing steel during electroslag remelting process. *China Foundry*, 2014, 11 (5): 452-456
- [19] Lizhong Chang, Xiaofang Shi, Runxi Wang, et al. Effects of Mould Rotation on Element Segregation and Compact Density of Electroslag Ingots during Electroslag Remelting Process. *HTMP*, 2014
- [20] Lixin Qian, Tiejun Chun, Hongming Long, Jiaxin Li, Zhanxia Di, Qingmin Meng, Ping Wang. Emission reduction research and development of PCDD/Fs in the iron ore sintering. *Process Safety and Environmental Protection*, 2018, 117:82-91.
- [21] Tiejun Chun, Hongming Long, Zhanxia Di, Xiangyang Zhang, Xuejian Wu, Lixin

- Qian. Novel technology of reducing SO<sub>2</sub> emission in the iron ore sintering. *Process Safety and Environmental Protection*, 2017, 105:297-302.
- [22] Fuyuan Zhang, Yajie Zheng, Guomin Peng. Investigations on reductants of extracting selenium and tellurium from degoldized solution of copper anode slimes. *Transactions of Nonferrous Metals Society of China*, 2017, 27(4): 917-924.
- [23] Zhuo Zhao, Xiaohang Li, Yanquan Chai, Zhongsheng Hua, Yanping Xiao, and Yongxiang Yang. Adsorption Performances and Mechanisms of Amidoxime Resin toward Gallium(III) and Vanadium(V) from Bayer Liquor. *ACS Sustainable Chemistry & Engineering*, 2016, 4 (1): 53-59.
- [24] Yonglin Yao, Meiyong Zhu, Zhuo Zhao, Bihai Tong, Youqi Fan, Zhongsheng Hua. Hydrometallurgical processes for recycling spent lithium-ion batteries: A critical review. *ACS Sustainable Chemistry & Engineering*, 2018, 6, 13611-13627.
- [25] Z Hua, J Wang, L Wang, et al. Selective extraction of rare earth elements from NdFeB scrap by molten chlorides. *ACS Sustainable Chemistry & Engineering*, 2014, 2(11): 2536-2543.
- [26] Minzhi Wu, Huihong Lü, Minchao Liu, Zhengli Zhang, Xingrong Wu, Weiming Liu, Ping Wang, Liaosha Li, Direct Extraction of Perovskite CaTiO<sub>3</sub> via Efficient Dissociation of Silicates from Synthetic Ti-Bearing Blast Furnace Slag, *Hydrometallurgy*, 2017, 167:8-15.
- [27] Zhang Hao, Wang Lin, Long Hong-ming. Study on Composite Activating Mechanism of Alkali Steel Slag Cementation Materials by XRD and FTIR [J]. *Spectroscopy and Spectral Analysis*. 2018, 38(7): 2302-2306.

- [28] Zhifang Gao, Zhaojin Wu, Mingdong Zheng, Effect of Blast Furnace Sludge on SO<sub>2</sub> Emissions from Coal Combustion, *Energy & Fuels*, 2016, 30(4):3320-3330.
- [29] KeKe Cui, Zhao Jin Wu, Wei Huang, Zhi Fang Gao, Xing Mei Shen, Wei Ming Liu, Recycle of Valuable Metals in Converter Steel Slag for Preparing Multidoped  $MxMg_{1-x}Fe_2O_4$  (M = Mn, Ca) Spinel, *ACS Sustainable Chemistry & Engineering*, 2014, 2(3):344–347.
- [30] Zhao Jin Wu, Wei Huang, Ke Ke Cui, Zhi Fang Gao, Ping Wang, Sustainable Synthesis of Metals-Doped ZnO Nanoparticles from Zinc-Bearing Dust for Photodegradation of Phenol, *Journal of Hazardous Materials*, 2014, 278(278C):91-99.
- [31] Qiang Yue, Zeng Hu, Zhaoyang Wu, et al. Visualization of collision and aggregation behavior of particles simulating movement of inclusions in molten steel, *Journal of Iron and Steel Research International*, 2018, 25:173–180.
- [32] Q Yue, X, Pei, C, Zhang, X, Wang. Magnetohydrodynamic Calculation on Double-loop Channel Induction Tundish, *Arch, Metall Mater*, 2018, 63(1):329-336.
- [33] Chang L Z, Shi X F, Cong J Q, et al. Effects of relative motion between consumable electrodes and mould on solidification structure of electroslag ingots during electroslag remelting process. *Ironmaking & Steelmaking*, 2014, 41(8):611-617.
- [34] L. Z. Chang, X. F. Shi, J. Q. Cong. Study on mechanism of oxygen increase and countermeasure to control oxygen content during electroslag remelting process. *Ironmaking & Steelmaking*, 2014, 41(3):182-186.
- [35] Xia Y J, Fan D D, Wang S J, et al. Simulation of heat transfer and strain behaviour

in bloom casting mould. *Ironmaking &Steelmaking*, 2014, 41(3):166-172.

[36]洪鹏, 王海川, 李新, 李杰, 廖直友, 钱章秀, 脉冲电场对 Fe-C-P 系合金熔体凝固过程的影响研究[J], *过程工程学报*, 第 11 卷, 第 1 期, 28-33 页, 2011.

[37]王海川, 陈克全, 葛允宗, 廖直友, 陈鹏飞, 渣金间外加脉冲电场对硫元素迁移研究, *钢铁钒钛*, 2013.02, 34(1), 49-53。

[38]孙波, 李家新, 龙红明, 等. 粘结剂对尘泥含碳球团干球强度的影响. *烧结球团*, 2014, 02: 32-36

[39]章俊, 储少军, 李忠思. 矿热炉传统设计理论研究(1)-安德烈公式. *铁合金*, 2014, 45(3): 5-12

[40]王振, 章俊, 尹振兴. 矿热炉处理典型含金属废弃物的研究. *铁合金*, 2014, 45(4): 54-57

[41]夏云进, 范鼎东, 李杰. 大方钢坯连铸二冷区传热与凝固过程数值模拟. *过程工程学报*, 2014, 14 (2): 217-222

[42]常立忠, 施晓芳, 从俊强, 等. 结晶器旋转对电渣重熔钢锭中元素分布的影响. *过程工程学报*, 2014, 14 (2): 86-92

[43]樊友奇, 顾耀武, 夏小勇. 纤维状铜粉导电填料的制备及性能研究. *电子元件与材料*, 2014, 33 (8): 25-29

[44]李杰, 王国梁, 夏云进, 等. 铌钒微合金化对风电法兰用 Q345E 钢析出相的影响. *材料导报 B: 研究篇*, 2014, 28 (7): 104-108

[45]王伟, 仇圣桃, 颜慧成, 等. GCr15 轴承钢中氮含量的控制. *铸造技术*, 2014, 35 (8): 1672-1674

[46]岳强, 陈怀昊, 孔辉, 等. 钢液中 Al<sub>2</sub>O<sub>3</sub> 夹杂物碰撞生长的动力学模型. *过*

程工程学报, 2014, 14 (1): 101-107

[47]安波, 岳强, 姚应林, 等. 基于低成本炼铁过程控制的研究实践.中国冶金, 2014, 24(5): 35-39

[48]吴六顺, 周云, 王珏, 等.二氧化硅改性钢渣易磨性的研究.炼钢, 2014, 30(2): 62-65

[49]何云龙, 范鼎东, 孙维, 等.高韧性风电法兰用钢的冶炼工艺研究与实践.炼钢, 2014, 30(2): 14-17

[50]朱正海, 肖丽俊, 王强, 等. 连铸、输送和加热过程 E36 铸坯组织的演变.钢铁, 2014, 49(3): 29-35

[51]王伟, 仇圣桃, 颜慧成, 等. GCr15 轴承钢 LF 控氮工艺分析.铸造, 2014, 163(6): 617-619

[52]朱正海, 肖丽俊, 彭世恒, 等.连铸过程铌钛微合金钢中第二相复合析出模型.钢铁研究学报, 2014, 26(7): 18-22

[53]周俐, 王向红.精炼渣中  $Al_2O_3$  含量对弹簧钢中夹杂物的影响.北京科技大学学报, 2014, 36 (增刊 1): 177-181

[54]蒙李朋, 王海军, 王建军, 等.超声波对 GCr15 钢凝固组织与性能的影响.金属热处理, 2014, 39 (6): 53-57

## 专利

[1] 一种烧结过程的在线脱硫方法, 李家新, 龙红明, 王平, 孟庆民, 金俊, 刘自民, 肖俊军, 张向阳, 吴雪健

[2] 一种高砷铁矿微波脱砷方法, 王海川, 张雷, 陈鹏飞, 尹振兴, 廖直友

- [3] 一种以铝工业赤泥为基体的转炉炼钢脱磷剂及其制备方法, 尹振兴, 张雷, 李杰, 范鼎东
- [4] 一种同时控制电渣锭氢-氧含量的新渣系及其制备方法, 常立忠, 施晓芳
- [5] 一种高效利用返回渣的电渣重熔精炼渣及其制备方法和使用方法, 常立忠, 施晓芳, 蒋春风
- [6] 一种钕铁硼废料中稀土元素的回收方法, 华中胜, 王磊, 王健豪, 赵卓, 樊友奇, 韩召, 童碧海
- [7] 一种用于细粒物料在烧结混合料中定层投放的装置及其投放方法, 金俊, 刘自民, 李家新, 任强, 武轶, 张晓萍
- [8] 一种烟气脱硫渣墙体砖的制备方法, 李辽沙, 郑翠红, 闫勇, 武杏荣, 朱伟长, 高效钱
- [9] 一种高炉综合煤气连续分析系统, 王平, 李家新, 周莉英, 龙红明
- [10] 一种抑制铁矿烧结烟气微细颗粒物减排的团聚剂的制备方法, 春铁军, 吴雪健, 龙红明, 宁超, 钱立新, 李东升, 狄瞻霞, 李家新, 王平
- [11] 一种从铜阳极泥分铜液中回收稀贵金属的方法, 张福元, 赵卓, 樊友奇, 田勇攀, 魏昊
- [12] 一种新型稀贵金属复合还原剂的制备及其使用方法, 张福元, 赵卓, 樊友奇, 徐亮.
- [13] 一种钕铁硼废料中稀土元素的回收方法, 华中胜, 王磊, 王健, 赵卓, 樊友奇, 韩召, 童碧海.
- [14] 一种硫杂冠醚的制备方法、废水除铈的硫杂冠醚萃取液及其除铈和回收铈的方法, 赵卓, 王莉莎, 童碧海, 田欢, 肖松文, 姚永林.



- [15]一种用于汞离子检测的含铈配合物磷光材料及其制备方法,童碧海,张曼,韩召,梅群波,董超振.
- [16]一种利用高炉水淬渣制备水合二氧化硅的方法,李辽沙,尤润泽,林娜,申星梅.
- [17]一种利用高炉渣制备含  $Al^{3+}$  水玻璃的方法,李辽沙,尤润泽,林娜,申星梅.
- [18]一种用于橡胶填料的改性多孔钢渣及其制备方法,张浩,龙红明,顾恒星,刘秀玉,唐刚.
- [19]一种以转炉钢渣为原料制备钙铁双氧载体的方法,高志芳,郑明东,雷鹰,张代林,张晓勇.
- [20]一种向钢液中加入纳米粒子以优化钢组织的方法,范鼎东,孔辉.
- [21]一种高效脱磷固体颗粒添加剂和利用固体颗粒添加剂冶炼高磷铁水生产低磷钢的方法,夏云进,范鼎东,李杰,孙桂林,陶素芬,吴朝阳,郭鑫,李孝攀.
- [22]一种利用电解磁选法完整提取钢中夹杂物的方法,周俐,钟鹏..
- [23]一种脱磷炉渣泡沫化降低冶炼铁损的方法,夏云进,范鼎东,李杰,孙桂林,陶素芬,吴朝阳,郭鑫,李孝攀.
- [24]一种高效利用返回渣的电渣重熔精炼渣及其制备方法和使用方法,常立忠,施晓芳,蒋春风.
- [25]一种废铅酸蓄电池铅膏脱硫方法,韩召,王海川,李杰,李领,杨永祥.