

目次

专 论

- 401 中国耐火材料行业的发展与资源、能源和环境.....李红霞
404 水泥回转窑烧成带用无铬耐火材料.....陈肇友

试验研究

- 409 添加 TiO_2 对铁铝尖晶石合成和烧结的影响.....马淑龙 李 勇 孙加林等
413 镁锆砖的抗RH炉渣侵蚀机制.....尹国祥 潘 波 高心魁等
419 镁砂与电熔合成铁铝尖晶石-刚玉复合材料的反应.....周 勇 李 楠
423 Al粉加入量对树脂结合 $\text{MgO}-\text{CaO}$ 材料性能的影响.....孙铭成 马成良 钟香崇
426 放电等离子体烧结 Si_3N_4 -BN复合陶瓷性能研究.....邱海龙 张 娟 朱鸿民
430 有机助剂和老化温度对氧化锆纤维前驱体溶胶稳定性的影响.....李秋霞 王新福
433 添加剂对薄板坯连铸保护渣熔化温度及黏性特征的影响.....卢艳青 张国栋 姜茂发等
437 MgAlON 及 MgAlON 结合 MgO 材料烧结性能研究.....程 竹 孙加林 李福桑等

开发应用

- 442 $\text{Cr}_2\text{O}_3-\text{Al}_2\text{O}_3$ 砖中不同组成 $\text{Cr}_2\text{O}_3-\text{Al}_2\text{O}_3$ 电熔颗粒料的抗侵蚀研究.....王 晗 兰河清 耿可明等
447 钢包渣线用后镁碳砖的回收再利用研究.....张国栋 游杰刚 陈树江等
450 沥青软化点对炮泥性能的影响.....范咏莲 张君博 刘兴平等
452 铜包石墨润滑涂料的制备与性能研究.....陈以宁 李 飞

标准·检测

- 456 微波消解-ICP-AES法测定镁质耐火材料中次量及微量成分.....王本辉 梁献雷
458 制样方法对XRD测定氧化铝中 $\alpha-\text{Al}_2\text{O}_3$ 含量的影响.....李 波 郭永恒
461 一种新型高温耐磨试验方法的探讨.....黄仲明 高建荣 李永刚等

装备技术

- 465 方型倒焰窑节能技术的研究.....刘永杰 许敏菲
468 碳化硅生产线配电系统的谐波治理实践.....李国民 熊建华

讨论·交流

- 470 耐火材料制品机械加工的意义及技术进步.....徐平坤
473 首秦深脱硫铁水包内衬耐火材料的研究.....徐香汝 王鹏宇 范万臣等
475 65 t板坯中间包包壁漏钢原因分析和改进实践.....霍 存 张东升
477 $\text{Al}_2\text{O}_3-\text{MgO}-\text{C}$ 质钢包衬砖损毁分析.....王建平

人物追忆

- 479 良师益友——忆郑安忠同志.....邢守渭

综合信息

会议消息(408) 征订启事(422、429、480) 书讯(455、478)

附1 《耐火材料》2010年第44卷总目次索引

万方数据

Main Contents

- 401** Development of refractory industry and resource,energy and environment in China *Li Hongxia*
- 404** Chrome-free basic refractories for burning zone of cement rotary kiln *Chen Zhaoyou*
- 409** Effect of TiO_2 on synthesis and sintering of hercynite *Ma Shulong,Li Yong,Sun Jialin,et al*
- 413** Corrosion resistance mechanism of magnesia zirconia brick to RH furnace slag
Yin Guoxiang,Pan Bo,Gao Xinkui,et al
- 419** Reaction between magnesia and fused hercynite–corundum composite *Zhou Yong,Li Nan*
- 423** Effect of Al powder addition on properties of resin-bonded MgO – CaO materials
Sun Mingcheng,Ma Chengliang,Zhong Xiangchong
- 426** Properties of Si_3N_4 –BN composite ceramics by spark plasma sintering
Qiu Hailong,Zhang Juan,Zhu Hongmin
- 430** Influences of organic modifier and aging temperature on stability of precursor sol for zirconia fiber
Li Qiuxia,Wang Xinfu
- 433** Effects of fluxes on melting temperature and viscosity of mould powder for thin slab continuous casting
Lu Yanqing,Zhang Guodong,Jiang Maofa,et al
- 437** Sintering of MgAlON and MgAlON -bonded MgO materials *Cheng Zhu,Sun Jialin,Li Fushen,et al*
- 442** Corrosion resistance of fused Cr_2O_3 – Al_2O_3 grains materials with different compositions in
 Cr_2O_3 – Al_2O_3 bricks *Wang Han,Lan Heqing,Geng Keming,et al*
- 447** Recycling of used MgO –C brick for ladle slag line *Zhang Guodong,You Jiegang,Chen Shujiang,et al*
- 450** Effects of softening point of pitch on properties of taphole clay
Fan Yonglian,Zhang Junbo,Liu Xingping,et al
- 452** Preparation and properties of copper coated graphite lubricant coating *Chen Yining,Li Fei*

Sponsor : Sinosteel Luoyang Institute of Refractories Research Co., Ltd.(LIRR)

Editor and Publisher : The Editorial Board of NAIHUO CAILIAO

Editor-in-chief : Ms.CHAI Junlan

Add : 43 Xiyuan Road,Luoyang,Henan 471039,China

Tel : +86-379-64205958

Fax : +86-379-64205968

E-mail : CJL@NHCL.COM.CN

Web Site : <http://www.nhcl.com.cn>

Subscription rate : USD 150(overseas,including air mail postage)

万方数据

Sponsored by Sinosteel Luoyang Institute of Refractories Research Co.,Ltd. (LIRR),established in 1966,Naihuo Cailiao(Refractories) is the only technical journal in Chinese in China's refractories industry that reports current situations of the R & D, production and application of refractories in China together with the development status and trend of refractories science and technology abroad. Naihuo Cailiao is published bimonthly and distributed both at home and abroad with the annual distribution circulation of 30 thousand copies.

Naihuo Cailiao also affords space for advertisement which is beneficial to the manufacturers and users home and abroad to establish connection between them,to promote production and sales and especially help foreign companies share China's market.