

目次

Contents

专题综述

轻量化桥式起重机与工业厂房造价影响关系研究* 李艳 向东 王君英 (1)
Research on influence of lightweight bridge crane on construction cost of industrial plant

..... Li Yan, Xiang Dong, Wang Junying
大型港口铁矿石堆积技法 李刚 周俊明 李伟伟 (5)

Iron ore stacking technique in large port Li Gang, Zhou Junming, Li Weiwei
顾客满意度对机械行业企业发展的重要性 丁方 (9)

Importance of customer satisfaction to development of enterprises in machinery industry Ding Fang

设计·计算

桥式起重机主梁优化设计的本质问题 赵健 陶元芳 刘亚倩 陈学科 许增杰 (11)
Inherent problem in optimization design of main girder of bridge crane

..... Zhao Jian, Tao Yuanfang, Liu Yaqian, Chen Xueke, Xu Zengjie

大型门式起重机结构设计对运行啃轨的影响分析 邹正彪 高伟东 强少华 (15)
Analysis on influence of structural design of large gantry crane on rail gnawing during running

..... Zou Zhengbiao, Gao Weidong, Qiang Shaohua

集装箱自动化码头 AGV 液压缸支座拓扑优化 李文军 王碧涛 周奇才 (18)
Topology optimization of AGV hydraulic cylinder support for automated container terminal

..... Li Wenjun, Wang Bitao, Zhou Qicai

钢安全壳吊具分配器结构设计优化* 翁晨阳 (23)
Structural design optimization of sling distributor for steel containment vessel Weng Chenyang

气动葫芦制动下滑量试验仪器设计 黄璜 张培 李丹 倪永帅 (28)
Design of instrument for testing braking slipping quantity of pneumatic hoist

..... Huang Huang, Zhang Pei, Li Dan, Ni Yongshuai

分析·研究

电差动桥式起重机驱动特性分析* 张景风 袁建明 (31)
Analysis on driving characteristics of electrical and differential drive bridge crane

..... Zhang Jingfeng, Yuan Jianming

工业制动器能效限额标准研究* 王军 孟林 汤绿汀 刘晓璐 (35)
Research on standard on energy efficiency limit of industrial brake

..... Wang Jun, Meng Lin, Tang Lyting, Liu Xiaoyu

基于柔性环境的塔式起重机附着特性研究* 赵丹 屈福政 (37)
Research on attached feature of tower crane under flexible condition

..... Zhao Dan, Qu Fuzheng

改善钢带输送机钢带张紧度的研究 张海峰 卢雷 牟荻 梅雪松 汪皖 (42)
Research on improving tension of steel belt of steel belt conveyor

..... Zhang Haifeng, Lu Lei, Mou Di, Mei Xuesong, Wang Wan

基于有限元方法的煤矿避难硐室防护密闭门结构动力分析 王文娟 倪永帅 李丹 王磊 (45)
Dynamic analysis of structure of airtight blast door for refuge chamber in coal mine based on finite element

method Wang Wenjuan, Ni Yongshuai, Li Dan, Wang Lei

索道设备轮体固有特性仿真分析 刘佳 (48)
Simulation analysis on inherent characteristics of wheel of ropeway equipment Liu Jia

新产品·新技术

多台起重机防撞保护系统 熊冠楚 (51)
Anti-collision protection system for multiple cranes Xiong Guanchu

起重机机械远程监控中心系统设计与实现* 王磊 赵炯 周奇才 熊肖磊 (54)
Design and implementation of remote monitoring center system for lifting appliances

万方数据 Wang Lei, Zhao Jiong, Zhou Qicai, Xiong Xiaolei

- 基于 PLC 的欧式葫芦双梁起重机在电镀车间的应用 王增涛 张瑞侠 李 珠 (58)
Application of PLC-based hoist type double-beam European crane in electroplating workshop
..... Wang Zengtao, Zhang Ruixia, Li Zhu
- 塔式起重机顶升套架倾斜监测装置研究* 高 诚 毛居双 苏晓波 金素杰 马 薇 (60)
Research on the device for monitoring tilt of lifting hoop frame of tower crane
..... Gao Cheng, Mao Jushuang, Su Xiaobo, Jin Sujie, Ma Wei
- 一种新型的混凝土预制构件托盘堆垛机 吕呈斌 滕 彬 常 亮 (63)
A new kind of pallet stacker for conveying precast reinforced concrete members
..... Lv Chengbin, Teng Bin, Chang Liang

安全·检测

- 客运索道应急处置新模式探讨 李晓帆 张 文 (65)
Discussion on new emergency handling model of passenger ropeway Li Xiaofan, Zhang Wen
- 浅析起重机制动器在线监测 申昌宏 (69)
Discussion on on-line monitoring of crane brake Shen Changhong
- 非公路用旅游观光车运行管理及检验的探讨 常 岚 王源磊 (72)
Discussion on operation management and inspection of off-road sightseeing vehicle
..... Chang Lan, Wang Yuanlei

生产·管理

- 索道生产制造过程中的相关理论的应用 李振洋 (75)
Application of relevant theories in ropeway manufacturing Li Zhenyang
- 采购合同标准化在企业中的应用 杨 雪 谢京涛 (79)
Application of purchasing contract standardization in enterprises Yang Xue, Xie Jingtao

故障诊断

- 门座起重机回转支承故障诊断研究* 苏文胜 薛志钢 李云飞 (82)
Research on fault diagnosis of slewing bearing of portal crane Su Wensheng, Xue Zhigang, Li Yunfei

设备·技术

- Hirschmann 重量双通道系统在岸边集装箱起重机中的应用 邵诚佳 胡文辉 (87)
Application of Hirschmann double-channel weight sensing system in quayside container crane
..... Shao Chengjia, Hu Wenhui
- 生物质直燃发电厂用装载机的选型与改进 谢鸿微 雷 达 王家辉 江 林 曾 鑫 李金亮 (90)
Model selection and improvement of loader for biomass power plant
..... Xie Hongwei, Lei Da, Wang Jiahui, Jiang Lin, Zeng Xin, Li Jinliang
- 变频器在多点驱动带式输送机上的应用 潘钰坤 (94)
Application of converter in multi-points driving belt conveyor Pan Yukun
- 一种翻转斗式提升机 秦宇杰 (97)
A kind of turnover bucket elevator Qin Yujie
- 圆管带式输送机过渡段托辊的布置 王增晖 刘春晖 (100)
Layout of idlers at transition section of pipe conveyor Wang Zenghui, Liu Chunhui

技术改造

- 斗轮堆取料机尾车升降机构导向装置设计 王晓斌 (103)
Design of guiding device for tail car lifting mechanism of bucket wheel stacker/reclaimer
..... Wang Xiaobin
- 装车系统分叉漏斗翻板机构的故障分析及技术改造 乔 建 (106)
Fault analysis and technological innovation of plate turnover mechanism of bifurcated funnel of loading
system Qiao Jian