

*Contents***专题综述**

基于电击防护原则的起重机械接地要求探讨

..... 张志坚 柯 韬 陈岳霖 胡建荣 仇佳捷 俞 朝 (1)

Discussion on grounding requirement for hoisting machinery based on lightning strike protection principle

..... Zhang Zhijian, Ke Tao, Chen Yuelin, Hu Jianrong, Qiu Jiajie, Yu Chao

基于层次分析法的港口起重机结构件安全评价^{*} 吴占稳 沈功田 (7)

Safety evaluation for port crane component based on analytic hierarchy process

..... Wu Zhanwen, Shen Gongtian

新产品·新技术核电厂堆内构件吊具自主化抗震方案研究^{*} ... 邵长磊 尹俊连 曾 露 冯少东 陈祖盼 曹艳芳 (11)

Study on independent seismic program for sling of reactor internals of nuclear power plant

..... Shao Changlei, Yin Junlian, Zeng Lu, Feng Shaodong, Chen Zupan, Cao Yanfang

YJ200 系列液压装卸机研制 史继红 (14)

R & D of YJ200-serial hydraulic loader Shi Jihong

炭块堆垛机组全自动运行实现方法 董卫刚 李术霞 吴志国 (17)

Automatic operation of carbon block stacking machine Dong Weigang, Li Shuxia, Wu Zhiguo

在役大型电站门座起重机在线监测系统研究 刘党委 曾 光 谢海建 张 骞 石小飞 (21)

Research on the on-line monitoring system of in-service large-scale gantry crane for power station

..... Liu Dangwei, Zeng Guang, Xie Haijian, Zhang Qian, Shi Xiaofei

基于模块化的制动器参数化设计系统开发 邹正彪 (24)

Modular-based development of parametric design system for brake Zou Zhengbiao

CSD 型四向平衡重式叉车研发^{*} 张提成 叶国云 (28)

R & D of CSD-type four-way balanced heavy-type forklift Zhang Ticheng, Ye Guoyun

一种新粒子群优化算法及其实际工程应用 卫良保 苏 洋 韩 斌 (32)

A new particle group optimal algorithm and actual engineering application

..... Wei Liangbao, Su Yang, Han Bin

一种优化的粉料输送系统的研究 周 健 (36)

Study on optimal powder conveying system Zhou Jian

长距离带式输送机液压自动拉紧装置的设计 刘玉周 刘存启 (39)

Design of hydraulic automatic tensioning device of long-distance belt conveyer Liu Yuzhou, Liu Cunqi

起重机系列产品装配图明细表自动更新技术研究^{*} 马士良 (42)

Study on auto updating technology in the crane-related series products assembly drawing list ... Ma Shiliang

设计·计算

三峡升船机事故安全机构的设计分析 张 莉 (46)

Design analysis of hazard safety mechanism of ship lift in the Three Gorges Zhang Li

基于 Ansys 的带式输送机转运站基础载荷的计算 刘 杰 孙丽英 高程义 (50)

Ansys-based calculation for basic load of transfer point of belt conveyer

..... Liu Jie, Sun Liying, Gao Chengyi

基于多学科优化的岸边集装箱起重机小车架轻量化研究 沈 辉 奉振华 刘木南 (54)

Study on lightweight trolley of quayside container crane based on multi-disciplinary optimization

..... Shen Hui, Feng Zhenhua, Liu Munan

分析·研究

移动质量作用下桥式起重机主梁振动分析 李心爽 梁 岗 (59)

Vibration analysis for girder of bridge crane under the action of moving mass Li Xinshuang, Liang Gang

考虑缺失质量模态残余刚性响应的核电站环行起重机抗震分析 李永亮 (64)

Anti-seismic analysis for nuclear station polar crane considering modal residual stiffness response with lacking

mass Li Yongliang

基于模糊贝叶斯理论的汽车起重机起升系统可靠性分析* 付大伟 高崇仁 殷玉枫 穆广金 (69)
Reliability analysis for lifting system of truck crane based on fuzzy Bayesian theory

..... Fu Dawei, Gao Chongren, Yin Yufeng, Mu Guangjin
基于AMESim的塔式起重机顶升液压系统故障仿真* 程萍 (74)

AMESim-based fault simulation for jacking hydraulic system of tower crane Cheng Ping
钢管自动输送机构的ADAMS建模及仿真分析* 郑帅 柴晓艳 刘锡军 元磊 (78)

ADAMS modeling and simulation analysis of steel-tube automatic conveying mechanism

..... Zheng Shuai, Chai Xiaoyan, Liu Xijun, Yuan Lei
基于AS4324.1的装船机结构分析 赵章焰 迟强 (83)

AS4324.1-based structural analysis for ship builder Zhao Zhangyan, Chi Qiang
斗轮堆取料机关键参数离散元仿真研究 吴奋敬 胡吉全 陈定方 杨公波 (86)

Simulation study on discrete elements of critical parameters for bucket-wheel stacker-reclaimer

..... Wu Fenjing, Hu Jiquan, Chen Dingfang, Yang Gongbo
基于Ansys Workbench的叉车三级门架系统静、动态特性分析 左宇飞 宋元岭 (90)

Ansys Workbench-based static and dynamic characteristics analysis for forklift triple mast system
..... Zuo Yafei, Song Yuanling

叉车负载重力势能回收* 刘亚倩 陶元芳 冯志远 闫培如 (94)
Forklift loaded gravitational potential energy recycling*

..... Liu Yaqian, Tao Yuanfang, Feng Zhiyuan, Yan Peiru

设备·技术

门座起重机钢丝绳的主要损伤及降耗措施 周辉 (97)
Major damage in steel ropes and loss reduction measures for gantry crane Zhou Hui

基于S7-417H PLC和Simotion D的抓斗卸船机电控系统 董春 (99)
Electrical control system of grab bucket ship unloader based on S7-417H PLC and Simotion D

..... Dong Chun

节能·环保

球团矿环境中圆形料场系统的环保问题探讨 赵华志 蒋金蓉 (101)
Discussion on environmental issues of circular stockyard system in Pellet environment

..... Zhao Huazhi, Jiang Jinrong

技术改造

通用桥式起重机安全监控方法研究* 徐榕 陶成 黄邢陈 朱昌明 (105)
Study on safety monitoring method for general-purpose overhead crane

..... Xu Rong, Tao Cheng, Huang Xingchen, Zhu Changming

BROMMA单箱吊具导板驱动装置在RAM双箱吊具上的应用 章浩 (109)
Application of guide driving device of BROMMA single-box sling in RAM double-box sling

..... Zhang Hao

ECO RTG的节能原理及“油改电”技术研究 王伟祥 (111)
ECO RTG energy-saving principle analysis and study on “Electricity Changed from Oil” technology

..... Wang Weixiang

质量管理

液压缸活塞杆加工表面质量控制 梁小虎 蔺晓琳 李华政 (114)
Quality control of processing surface of piston rod of hydraulic cylinder

..... Liang Xiaohu, Lin Xiaolin, Li Huazheng

综合信息

中国在欧洲专利申请保持增幅第一 (20)

质量建设是国家强大的基石 (41)