

中文核心期刊
中国科技核心期刊
RCCSE 中国核心学术期刊
机械工程领域高质量科技期刊 (T1 级)
中国科技期刊卓越行动计划 (梯队期刊)

国机集团
SINOMACH

ISSN 1001-4837
CN 34-1058/TH

压力容器

PRESSURE VESSEL TECHNOLOGY

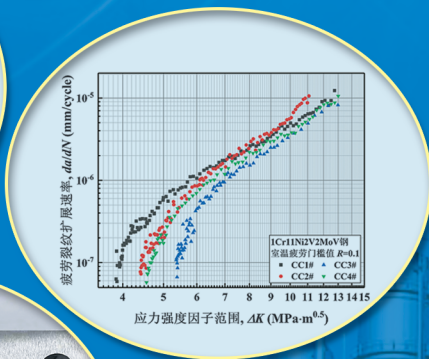
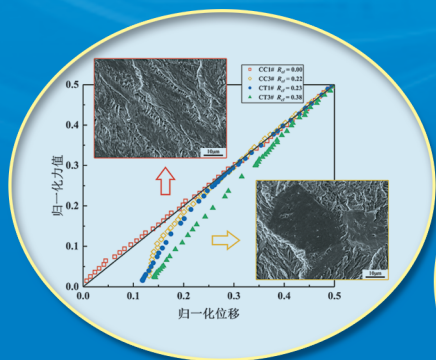
1

第 1 期
第40卷 总第362期
2023 年 1 月

中国科学技术协会主管 · 中国机械工程学会压力容器分会主办 · 合肥通用机械研究院有限公司承办

1Cr11Ni2W2MoV钢疲劳裂纹闭合与试样类型的相关性

刘兰舟, 高怡斐, 张志玮



ISSN 1001-4837
9 771001 483239



目 次

● 试验研究

1Cr11Ni2W2MoV 钢疲劳裂纹闭合与试样类型的相关性

..... 刘兰舟,高怡斐,张志玮(1)

钨铝合金化的改进型乙烯裂解炉管 1 150 °C 条件下的模拟渗碳行为研究

..... 吴志刚,陈 涛,刘春娇,连晓明(10)

15CrMo 在含 NaCl 高温高压水 / 水蒸气中的腐蚀行为

..... 邓 磊,白 冰,李瑞宇,于吉明,笪耀东,车得福(21)

试样几何尺寸对 347L 材料断裂性能的影响

..... 张经纬,林嘉铭,谈建平,郭子键,刘康林(30)

动态超压对反拱开缝型爆破片爆破性能的影响

..... 刘利利,袁晨星,张 楚,李 伟,李贝贝,刘秀梅(38)

● 设计计算

脉动载荷下换热器管板接头塑性失效研究

..... 张建华,朱国栋,王 娟(46)

核岛承压设备抗震分析过程中的模型简化方法研究

..... 张红升,李岩彬,郭 凯,孟林园,程雨轩,常金鹏(55)

弯曲载荷作用下含错边缺陷管道环焊缝应力计算

..... 田 野,邹 斌,陈翠翠,丁 融,李 坤,白 强(61)

● 标准规范

基于 ASME III -5 规范和 R5 规程的高温非弹性蠕变疲劳损伤评价方法研究

..... 于少博,戴守通,王田静,李 智,高付海(68)

● 检验与维护

漏磁检测剩余磁场对油气管道直流杂散电流腐蚀行为的影响

..... 杨 永,冉文燊,李林涛,孙 明(75)

● 制造与安装

3 000 m³ 不锈钢复合板球罐的制造与安装

..... 董宏斌,张 涛,张建辉,王金霞,李学燕(82)

CONTENTS

Dependency of fatigue crack closure in 1Cr11Ni2W2MoV steel on specimen type

..... LIU Lanzhou, GAO Yifei, ZHANG Zhiwei (1)

Study on simulated carburizing behavior of modified ethylene cracking furnace tube alloyed by tungsten and aluminum under 1 150 °C

..... WU Zhigang, CHEN Tao, LIU Chunjiao, LIAN Xiaoming (10)

Corrosion behavior of 15CrMo steel exposed in saline (NaCl) water/steam at high temperature and pressure

..... DENG Lei, BAI Bing, LI Ruiyu, YU Jiming, DA Yaodong, CHE Defu (21)

Effect of specimen geometries on fracture toughness of 347L materials

..... ZHANG Jingwei, LIN Jiaming, TAN Jianping, GUO Zijian, LIU Kanglin (30)

Influence of dynamic overpressure on bursting performance of reverse arched slotted rupture disc

..... LIU Lili, YUAN Chenxing, ZHANG Chu, LI Wei, LI Beibei, LIU Xiumei (38)

Research on plastic failure at tube-tubesheet joint of heat exchangers under pulsating loads

..... ZHANG Jianhua, ZHU Guodong, WANG Juan (46)

Study on model simplification methods in the process of seismic analysis for nuclear island pressure vessel

..... ZHANG Hongsheng, LI Yanbin, GUO Kai, MENG Linyuan, CHENG Yuxuan, CHANG Jinpeng (55)

Stress calculation of girth weld of pipeline with misalignment defect under bending load

..... TIAN Ye, ZOU Bin, CHEN Cuicui, DING Rong, LI Kun, BAI Qiang (61)

Research on evaluation method of high temperature inelastic creep fatigue damage based on ASME III -5 code and R5 procedure

..... YU Shaobo, DAI Shoutong, WANG Tianjing, LI Zhi, GAO Fuhai (68)

Effect of residual magnetic field in magnetic flux leakage detection on DC stray current corrosion behavior of oil and gas pipeline

..... YANG Yong, RAN Wenshen, LI Lintao, SUN Ming (75)

Manufacture and installation of 3 000 m³ stainless steel clad plate spherical tank

..... DONG Hongbin, ZHANG Tao, ZHANG Jianhui, WANG Jinxia, LI Xueyan (82)