

焊 接[®]

WELDING & JOINING

1957年创刊 • 中文核心期刊 • 中国科技核心期刊(中国科技论文统计源期刊) • 荣获全国优秀期刊三等奖

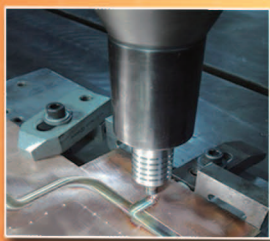
2 2018

ISSN 1001-1382

CODEN:HACHA8

焊接科技创新平台 中乌科技合作典范

GWII 广东省焊接技术研究所 (广东省中乌研究院)
Guangdong Welding Institute (China-Ukraine E. O. Paton Institute of Welding)



- 中国-乌克兰巴顿焊接研究院国际科技孵化基地
- 广东省现代焊接技术重点实验室
- 国家引进国外智力示范单位
- 广东省焊接产业技术创新联盟

ISSN 1001-1382



万方数据

地址：广东省广州市天河区长兴路363号
网址：<http://www.gwi.gd.cn>

电话：020-61086166
邮箱：gwi@gwi.gd.cn



官网二维码

焊接学报

第 39 卷 第 2 期

2018 年 2 月 25 日出版

目 次

基于广义铺展条件下的倒装焊焊点形态预测	王晨曦,王 源,田艳红,等	(1)
304 不锈钢激光深熔焊元素蒸发及焊缝合金含量变化	刘 桐,杨立军,邱文聪,等	(5)
熔渣成分和微观结构对自保护药芯焊丝脱渣性的影响	张 敏,舒绍燕,芦晓康,等	(10)
基于 FSTFM 技术的焊缝表面裂纹的成像检测	于 朋,刚 铁,孙昌立	(15)
5E61 铝合金 VPPAW 焊接接头性能分析	闫朝阳,蒋 凡,陈树君,等	(19)
Ti ₂ AlNb 合金瞬时液相扩散连接接头界面组织及性能分析	蔡小强,王 颖,杨振文,等	(24)
超高频脉冲 TIG 焊电弧形态分析	黄鹏飞,丁 斌,胡伊通,等	(29)
异厚度铝钢电弧辅助激光对接熔钎焊温度场和应力应变场数值模拟 ...	刘 剑,樊 丁,陈秀娟,等	(33)
激光焊中侧吹保护气质量分布的数值分析	吴家洲,张 华,李玉龙,等	(39)
基于持续激励红外热像技术的聚乙烯管热熔接头缺陷检测	朱志彬	(44)
基于模糊理论的随机振动条件下叠层 PBGA 焊点可靠性分析	韦何耕,黄春跃	(49)
压力对纯铜超声焊接界面行为的影响	杨景卫,曹 彪,柳 健,等	(53)
焊后热处理对 7075 铝合金 PVPPA 焊接接头组织与性能的影响	李国伟,陈芙蓉,韩永全,等	(57)
双金属复合管水下爆炸成形有限元分析	曹建斌,张周锁	(61)
窄间隙气体保护三丝间接电弧焊缝成形特征	刘黎明,胡成辉,方迪生	(66)
不扎透上板对 2024-T4 铝合金搅拌摩擦搭接焊力学性能的影响	叶结和,刘雪松,王素环	(71)
基于 FLUENT 软件的 GMAW 焊熔池动态行为数值分析模型	张世亮,胥国祥,曹庆南,等	(75)
HCPEB 作用下镀铝 CoCrAlY 涂层的高温氧化行为	韩志勇,韩 剑,丘珍珍	(80)
焊接热输入对铝合金双轴肩搅拌摩擦焊缝形貌与接头性能的影响	郝云飞,魏瑞刚,周 庆,等	(84)
深冷处理对 Ti-6Al-4V 合金 EBW 焊缝组织及性能的影响	徐连勇,葛可可,韩永典,等	(89)
5A90 铝锂合金电阻点焊接头力学性能与组织分析	程东海,郑 森,陈益平,等	(93)
基于熔滴过渡模型的 GMAW 焊接发生率计算	卜智翔,鲍升凯,王立世,等	(97)
热障涂层陶瓷层内部裂纹表征方法分析	董 会,李 霄,任越飞,等	(101)
消音管内高压成形焊缝残余应力数值分析	刘立君,彭 俊,崔元彪,等	(105)
一种新型的窄间隙焊接温度场测量方法	兰 虎,张华军,田小林,等	(110)
K417G 合金粉末冶金修复接头组织与力学性能分析	李 菊,张 胜,贺建超,等	(115)
聚乙烯管道电熔接头的超声相控阵成像及缺陷特征	黄跃鑫,钟舜聪,伏喜斌,等	(119)
基于高温回火的高强钢焊丝带状组织调控	张敏敏,朱腾辉,李 达,等	(124)
英文摘要		(I)

[期刊基本参数] CN23-1178/TG * 1980 * m * A4 * 128 * zh * P * ¥15.00 * 5800 * 28 * 2018-02

CONTENTS

Shape prediction of flip chip soldered joints based on generalized spreading condition WANG Chenxi, WANG Yuan, TIAN Yanhong, et al (1)

Vaporization and composition change of 304 stainless steel during keyhole mode laser welding LIU Tong, YANG Lijun, QIU Wencong, et al (5)

Effect of slag composition and microstructure on slag detachability of self shielded flux cored wire ZHANG Min, SHU Shaoyan, LU Xiaokang, et al (10)

The use FSTFM to imaging testing of surface crack in butt joint YU Peng, GANG Tie, SUN Changli (15)

Microstructure and mechanical properties of 5E61 aluminum alloy joint by VPPAW YAN Zhaoyang, JIANG Fan, CHEN Shujun, et al (19)

Interfacial microstructures and mechanical properties of transient liquid phase (TLP) bonding of Ti₂AlNb alloy with Ti/Ni interlayer CAI Xiaoqi, WANG Ying, YANG Zhenwen, et al (24)

Study on arc profile of high frequency TIG welding HUANG Pengfei, DING Bin, HU Yitong, et al (29)

Numerical simulation of temperature field and stress-strain field in brazed-fusion butt joint between aluminum alloy and galvanized steel with different thickness by arc-assisted laser LIU Jian, FAN Ding, CHEN Xijuan, et al (33)

Numerical analysis of mass distribution in side shielding gas in laser welding WU Jiazhou, ZHANG Hua, L Yulong, et al (39)

Defect detection of polyethylene pipe butt-fusion welded joint based on continuous-excitation infrared thermal imaging technology ZHU Zhibin (44)

Reliability study of stacked PBGA soldered joint at random vibration loading based on fuzzy theory WEI Hegeng, HUANG Chunyue (49)

Effect of welding pressure on interfacial behavior of ultrasonic-welded copper joints YANG Jingwei, CAO Biao, LIU Jian, et al (53)

Influence of post-weld heat treatment on microstructure and mechanical properties of 7075 aluminum alloy P-VPPA welded joint LI Guowei, CHEN Furong, HAN Yonguan, et al (57)

Finite element analysis of underwater explosive forming of bimetal composite pipe CAO Jianbin, ZHANG Zhouso (61)

Weld bead formation in narrow-gap triple-wire gas indirect arc welding process LIU Liming, HU Chenghui, FANG Dsheng (66)

Mechanical properties of friction stir lap welded 2024-T4 aluminum alloy joints for pin not plunging into lower sheet YE Jiehe, LIU Xuesong, WANG Suhuan (71)

A numerical analysis model of weld pool dynamic behavior in GMAW based on FLUENT software ZHANG Shiliang, XU Guoxiang, CAO Qingnan, et al (75)

High temperature oxidation and thermal shock properties of thermal barrier coating by CoCrAlY surface modification HAN Zhiyong, HAN Jian, QIU Zhenzhen (80)

Effect of heat input on weld morphology and tensile properties of bobbin friction stir welded joints HAO Yunfei, WEI Ruigang, ZHOU Qing, et al (84)

Effects of deep cryogenic treatment on microstructure and properties of Ti-6Al-4V joint welded by electron beam XU Lianyong, GE Keke, HAN Yongdian, et al (89)

Mechanical properties and microstructure of resistance spot welded joints of 5A90 Al-Li alloy CHENG Donghai, ZHENG Sen, CHEN Yiping, et al (93)

Calculation of fume formation rate in GMAW process based on metal transfer model BU Zhixiang, BAO Shengkai, WANG Lishi, et al (97)

Evaluation method of delamination crack in ceramic topcoat of thermal barrier coatings DONG Hui, LI Xiaojun, REN Yuefei, et al (101)

Numerical analysis of residual stress in weld zone during tube hydroforming of silencer LIU Lijun, PENG Jun, CUI Yuanbiao, et al (105)

A new method to measure narrow gap welding temperature field LAN Hu, ZHANG Huajun, TIAN Xiaolin, et al (110)

Study on the microstructure & mechanical properties of K417G alloy repaired by powder metallurgy technique LI Ju, ZHANG Sheng, HE Jianchao, et al (115)

Ultrasonic phased array imaging and automatic identification of defects in polyethylene pipe electrofusion joints HUANG Yuexin, ZHONGSuncong, FU Xibin, et al (119)

Control of banded structure in high strength welding wire based on high temperature tempering 万方数据 ZHANG Minmin, ZHU Tenghui, LI Da, et al (124)