

河北科技大学学报

第 42 卷第 1 期 2021 年 2 月

目 次

机械、电子 与 信息科学	碳链长度与羟基数目对醇润滑性能的影响 陈 琦,张仁辉,何忠义,熊丽萍 (1)
	基于非合作室内环境的超宽带无中心组网定位 王 卿,蔚保国 (8)
	基于 STFRFT 的脉冲干扰抑制方法研究..... 王晓君,薛琳博,王彦朋 (15)
	一种改进 YOLOv3 的手势识别算法..... 睢丙东,张 湃,王晓君 (22)
	改进凸包的贝叶斯模型显著性检测算法 李春华,秦云凡,刘玉坤 (30)
	自适应多启发蚁群算法的无人机路径规划 尹雅楠,甄 然,武晓晶,张春悦,吴学礼 (38)
	异构网络表示学习方法综述..... 王建霞,刘梦琳,许云峰,张 妍 (48)
化学与化工	盐酸二甲双胍 pH 敏感性水凝胶微球的制备 谢英花,刘朝霞,张梅梅,张冬梅 (60)
食品与生物科学	抗菌肽的抗菌机制及其在医药中的应用前景..... 贾艳丽,仇 燕 (67)
材料科学	SiO ₂ 薄膜涂覆层数对 304 不锈钢抗高温氧化性能的影响 马 静,王瑞阳,温 宁 (75)
	超大高径比棒料平锻成形钢拉杆 U 型头预制坯工艺分析及模拟 孟致安,鲁素玲,闫华军,韩鹏彪,胡希磊,王同会,王 浩 (82)
编审园地	向本期载文的审稿专家致谢 本刊编辑部 (29)
编读往来	《河北科技大学学报》连续入选“RCCSE 中国核心学术期刊”..... 本刊编辑部 (封二)
	《河北科技大学学报》2021 年特色栏目重点选题及征稿启事 《河北科技大学学报》编辑部 (封三)

[期刊基本参数]CN 13-1225/TS* 1980 * b * A4 * 90 * zh * P * ¥20.00 * 1 000 * 11 * 2021-02

JOURNAL OF HEBEI UNIVERSITY OF SCIENCE AND TECHNOLOGY

Vol.42 No.1 Feb. 2021

CONTENTS

• Mechanical, Electronics and Information Science •

- Effect of carbon-chain length and hydroxyl number on lubrication performance of alcohols
..... CHEN Qi, ZHANG Renhui, HE Zhongyi, XIONG Liping(1)
- UWB centreless networking positioning based on non-cooperative indoor environment
..... WANG Qing, YU Baoguo(8)
- Research on impulse interference suppression method based on short time fractional Fourier transform
..... WANG Xiaojun, XUE Linbo, WANG Yanpeng(15)
- A gesture recognition algorithm based on improved YOLOv3
..... SUI Bingdong, ZHANG Pai, WANG Xiaojun(22)
- Bayesian model saliency detection algorithm based on improved convex hull
..... LI Chunhua, QIN Yunfan, LIU Yukun(30)
- Research on UAV route planning based on adaptive multi heuristic ant colony algorithm
..... YIN Yanan, ZHEN Ran, WU Xiaojing, ZHANG Chunyue, WU Xueli(38)
- Review on heterogeneous network representation learning method
..... WANG Jianxia, LIU Menglin, XU Yunfeng, ZHANG Yan(48)

• Chemistry and Chemical Industry •

- Preparation of metformin hydrochloride loaded pH-sensitive hydrogel microspheres
..... XIE Yinghua, LIU Zhaoxia, ZHANG Meimei, ZHANG Dongmei(60)

• Food Science and Biological Science •

- Antimicrobial mechanism and application prospects in medicine of antimicrobial peptides
..... JIA Yanli, QIU Yan(67)

• Material Science •

- Effect of SiO₂ film layers on the high temperature oxidation resistance of 304 stainless steel
..... MA Jing, WANG Ruiyang, WEN Ning(75)
- Process analysis and simulation of flat forging and forming steel tie rod U-shaped head preforms with
super large height-diameter ratio bars MENG Zhian,
LU Suling, YAN Hua jun, HAN Pengbiao, HU Xilei, WANG Tonghui, WANG Hao(82)