

## 目 次

### 研究论文

- 基于模糊神经网络的废旧手机价值评估方法 ..... 韩红桂, 邹晓丹, 张 璐, 乔俊飞(1033)
- HRB600 级钢筋预制管高强混凝土柱偏压性能试验研究  
..... 张建伟, 刘 娇, 李翔宇, 曹万林, 申朝旭(1041)
- 考虑用户参与的共享单车调度模型 ..... 关宏志, 卢 笙(1050)
- 亚硝酸盐投加方式对剩余污泥发酵性能的影响  
..... 彭永臻, 王晓玲, 张 亮, 李家麟, 杨慎华, 张 琼, 孟庆贺(1057)
- 微通道内复合纳米流体流动换热特性实验研究 ..... 夏国栋, 王少锋, 马丹丹, 吕远征(1063)
- 基于 X 射线断层扫描分析的发泡陶瓷结构  
..... 孙诗兵, 史璐玉, 吕 锋, 田英良, 马存喜, 曹明普, 陈艳晓(1070)
- 多元函数高阶差商公式 ..... 隋允康, 铁 军(1077)

### 研究述评

- 基于 3D-HEVC 的三维视频编码方法综述 ..... 贾克斌, 刘 畅, 刘鹏宇, 张儒依(1082)
- 规整形貌和多孔催化剂对挥发性有机物氧化的催化性能 ..... 戴洪兴, 侯志全, 张 兴, 张昆峰(1095)
- 车用有机朗肯循环(ORC)余热回收技术发展动态 ..... 张红光, 赵 蕊, 田亚明, 杨宇鑫(1115)
- 面心立方金属纳米材料变形机制研究进展  
..... 王立华, 韦如建, 方云义, 罗俊锋, 陈艳辉, 李 炜, 韩晓东(1125)
- 钙钛矿太阳能电池稳定性研究进展 ..... 严 辉, 孟 琦, 韩昌报, 陈义川, 高红丽, 张永哲(1147)
- 基于分子对接的反向虚拟筛选方法 ..... 王存新, 许先进(1164)

**CONTENTS**

**Articles**

- Value Assessment Method of Waste Mobile Phones Based on Fuzzy Neural Network  
..... *HAN Honggui, KUAI Xiaodan, ZHANG Lu, QIAO Junfei*(1033)
- Experiment Study of Eccentric Compressive Property of High-strength Concrete Filled Precast  
High-strength Concrete Tube Column With HRB600 Steel Bars  
..... *ZHANG Jianwei, LIU Jiao, LI Xiangyu, CAO Wanlin, SHEN Zhaoxu* (1041)
- Scheduling Model of Free-floating Bike-sharing Considering Users' Participation  
..... *GUAN Hongzhi, LU Sheng*(1050)
- Effects of Nitrite Dosing Modes on Sludge Fermentation Performance  
..... *PENG Yongzhen, WANG Xiaoling, ZHANG Liang, LI Jialin, YANG Shenhua,  
ZHANG Qiong, MENG Qinghe*(1057)
- Experimental Analysis on Flow and Heat Transfer Characteristics of Hybrid Nanofluids in Microchannels  
..... *XIA Guodong, WANG Shaofeng, MA Dandan, LÜ Yuanzheng*(1063)
- Structure of Foamed Ceramic Based on X-ray Tomography  
..... *SUN Shibing, SHI Luyu, LÜ Feng, TIAN Yingliang, MA Cunxi, CAO Mingpu, CHEN Yanxiao*(1070)
- High Order Difference Quotient Formulas of Multivariate Functions ..... *SUI Yunkang, TIE Jun*(1077)

**Reviews**

- Three-dimensional Video Coding Based on 3D-HEVC: A Survey  
..... *JIA Kebin, LIU Chang, LIU Pengyu, ZHANG Ruyi*(1082)
- Catalytic Performance of Regularly Morphological and Porous Catalysts for the Oxidation of Volatile  
Organic Compounds ..... *DAI Hongxing, HOU Zhiquan, ZHANG Xing, ZHANG Kunfeng*(1095)
- Development of Organic Rankine Cycle (ORC) Waste Heat Recovery for Vehicle Engines  
..... *ZHANG Hongguang, ZHAO Rui, TIAN Yaming, YANG Yuxin*(1115)
- Research Progress on Deformation Mechanism of Face-centered Cubic Nanocrystalline Metals  
..... *WANG Lihua, WEI Rujian, FANG Yunyi, LUO Junfeng, CHEN Yanhui,  
LI Wei, HAN Xiaodong*(1125)
- Research Progress on Stability of Perovskite Solar Cells  
..... *YAN Hui, MENG Qi, HAN Changbao, CHEN Yichuan, GAO Hongli, ZHANG Yongzhe*(1147)
- Docking-based Inverse Virtual Screening Approach ..... *WANG Cunxin, XU Xianjin*(1164)

**Executive Editor:** LÜ Xiaohong

**Responsible Editors:** ZHANG Lei, LÜ Xiaohong, LIANG Jie, ZHENG Xiaomei, YANG Kaiying