

目次

2022 年第 29 卷第 4 期(总第 132 期)

特邀专稿

中国甘蔗栽培的研究进展 吴建明,李燕娇,邓宇驰,范业康,李智敏,李傲梅(613)

人工智能算法与应用

基于时间卷积网络的科技需求主题热度预测算法 崔海燕,李雅文,徐欣(627)
基于字词混合和 GRU 的科技文本知识抽取方法 欧阳苏宇,邵莹侠,杜军平,李昂(634)
基于改进麻雀搜索算法的空气质量指数预测 胡青,龚世才,胡珍(642)
基于过采样和卫星图像多特征融合的街区品质评估 郭茂祖,王偲佳,王鹏跃,李阳,赵玲玲(652)
基于自适应噪声校正的鲁棒域适应学习 汪云云,桂旭,郑滢雯,薛晖(660)
基于逆强化学习的电动汽车出行规划方法研究 李繁菀,张莹,华云鹏,李沐阳,陈元畅(668)
多模态语义协同交互的图文联合命名实体识别方法 钟维幸,王海荣,王栋,车森(681)
基于特征增强的对抗哈希跨模态检索 何沛,王萌,王卓,卢光云(691)
基于轻量化二维人体姿态估计的小样本动作识别算法 尹继尧,周琳,李强,刘董经典(700)

海底调查与研究

南海北部陆坡地形特征及其影响因素研究 刘喆昊,张建兴,宋永东,庄丽华,栾振东,阎军(708)
北黄海大鹿岛附近海域海洋牧场本底地质环境分析 杜梦迪,张建兴,宋永东,栾振东,阎军(717)
基于 GNSS-A 的海底目标高精度定位算法研究 杜凯,刘慧敏,单瑞,于得水,周吉祥,董凌宇(726)

医学前沿与研究

体外膜肺氧合治疗中神经功能的评估 覃涛,吕盛秋,杨叶桂,卢俊宇(735)
整建制管理模式下救治新型冠状病毒肺炎患者的应用探讨
..... 谭小玉,李文涛,黎雨,林玲,徐明鹏,陈俊健,柯斓,罗丽英,牙钰镔(741)
宫颈鳞状细胞癌中联合检测 HPV DNA 和 C-myc 基因及 E2F1 蛋白的研究
..... 殷艳,韦业平,麦虹,张丽滢(746)
低容量性自体储血在肝癌切除患者术中的临床观察 马相飞,黄家珍,明少鹏,黄冰,杜学柯,秦科(752)

特邀栏目

海洋来源真菌 *Penicillium citrinum* 的化学成分及其活性研究
..... 杨素梅,杨曦亮,肖绍羽佳,周梦蝶,张亚妮,吴兆圆,刘芳,刘曼丽,方伟(760)
南方根结线虫侵染对乌桕癭皮夜蛾幼虫生长发育和食物利用的影响
..... 高旭,郭文锋,唐军,周晓果,李晓琼(768)
红树林广州小斑螟发生与气象因子的关系研究 张悦,陈燕丽,黄滢,许文龙(776)
基于树高和冠幅的广西桉树二元立木材积模型研建 张伟,岑巨延,冯建强,谭昌师,黄孝发(785)
海南岛濒危半红树植物莲叶桐 *Hernandia nymphaeifolia* 资源现状与种群动态特征
..... 方赞山,钟才荣,王文卿,吕晓波,程成(793)
全州禾花鲤主要生长性状的遗传参数估计
..... 许艺兰,陈忠,覃俊奇,文露婷,潘贤辉,周康奇,黄姻,林勇,杜雪松(801)
冷轧复合工艺对 4004/3003/4004 铝合金复合带组织和性能的影响
..... 宾月景,刘莹,曾勇谋,曹宇,胡梦晗(809)

投稿指南 (626)
《广西科学》首届医学编委会主任李浪教授荣获第十三届中国医师奖 (792)

CONTENTS

2022 Vol. 29 No. 4 (No. 132)

Special Issue

Research Progress in Sugarcane Cultivation in China
..... WU Jianming, LI Yanjiao, DENG Yuchi, FAN Yegeng, LI Zhimin, LI Aomei(613)

Artificial Intelligence Algorithm and Application

Algorithm of Subject Heat of Science and Technology Demand Prediction Based on Time Convolution Network CUI Haiyan, LI Yawen, XU Xin(627)

Knowledge Extraction Method of Scientific and Technological Text Based on Word Mixing and GRU
..... OUYANG Suyu, SHAO Yingxia, DU Junping, LI Ang(634)

Air Quality Index Prediction Based on Improved Sparrow Search Algorithm
..... HU Qing, GONG Shicai, HU Zhen(642)

Block Quality Evaluation Based on Oversampling and Satellite Image Multi-feature Fusion
..... GUO Maozu, WANG Sijia, WANG Pengyue, LI Yang, ZHAO Lingling(652)

Robust Domain Adaptive Learning with Adaptive Noise Correction
..... WANG Yunyun, GUI Xu, ZHENG Weiwen, XUE Hui(660)

Research on Electric Vehicle Travel Planning Based on Inverse Reinforcement Learning
..... LI Fanyu, ZHANG Ying, HUA Yunpeng, LI Muyang, CHEN Yuanchang(668)

Image-Text Joint Named Entity Recognition Method Based on Multi-modal Semantic Interaction
..... ZHONG Weixing, WANG Hairong, WANG Dong, CHE Miao(681)

Feature Boosting Adversarial Hashing for Cross-Modal Retrieval
..... HE Pei, WANG Meng, WANG Zhuo, LU Guangyun(691)

A Small-sample Action Recognition Algorithm Based on Lightweight Two-dimensional Human Posture Estimation
..... YIN Jiyao, ZHOU Lin, LI Qiang, LIU Dongjingdian(700)

Seabed Survey and Research

Study on the Terrain Characteristics and Its Influencing Factors of the Northern Continental Slope of the South China Sea
..... LIU Zhehao, ZHANG Jianxing, SONG Yongdong, ZHUANG Lihua, LUAN Zhendong, YAN Jun(708)

Analysis of Background Geological Environment of Marine Ranching near Dalu Island in the North Yellow

Sea DU Mengdi,ZHANG Jianxing,SONG Yongdong,LUAN Zhendong,YAN Jun(717)
Research on Seafloor Target High-Precision Positioning Algorithm Based on GNSS-A
..... DU Kai,LIU Huimin,SHAN Rui,YU Deshui,ZHOU jixiang,DONG Lingyu(726)

Medical Frontiers and Research

Evaluation of Neurological Function in Extracorporeal Membrane Oxygenation Therapy
..... QIN Tao,LÜ Shengqiu,YANG Yegui,LU Junyu(735)
Application of Integrated Management Mode in Treating COVID-19 Patients TAN Xiaoyu,
LI Wentao,LI Yu,LIN Ling,XU Mingpeng,CHEN Junjian,KE Lan,LUO Liying,YA Yubin(741)
Research on Combined Detection of HPV DNA and *C-myc* Gene and E2F1 Protein in Cervical Squamous Cell
Carcinoma YIN Yan,WEI Yeping,MAI Hong,ZHANG Liying(746)
Clinical Observation of Hypovolemic Phlebotomy in Patients with Hepatocellular Carcinoma Resection ...
..... MA Xiangfei,HUANG Jiazhen,MING Shaopeng,HUANG Bing,DU Xueke,QIN Ke(752)

Special Column

Studies on the Chemical Constituents and Activities of Marine-derived Fungus *Penicillium citrinum*
..... YANG Sumei,YANG Xiliang,
XIAO Shaoyujia,ZHOU Mengdie,ZHANG Yani,WU Zhaoyuan,LIU Fang,LIU Manli,FANG Wei(760)
Effects of *Meloidogyne incognita* Infection on *Gadirtha fusca* larvae Growth and Food Utilization of *Triadi-
ca sebifera* GAO Xu,GUO Wenfeng,TANG Jun,ZHOU Xiaoguo,LI Xiaoqiong(768)
Study on the Relationship between Occurrence of *Oligochroa cantonella* Caradja and Meteorological Factors
in Mangrove ZHANG Yue,CHEN Yanli,HUANG Ying,XU Wenlong(776)
Study on Binary Volume Model for *Eucalyptus* Based on Tree Height and Crown Width in Guangxi
..... ZHANG Wei,CEN Jüyan,FENG Jianqiang,TAN Changshi,HUANG Xiaofa(785)
Resource Status and Population Dynamics of Endangered Semi-mangrove Plant *Hernandia nymphaeifolia* ,
Hainan Island,China
..... FANG Zanshan,ZHONG Cairong,WANG Wenqing,LÜ Xiaobo,CHENG Cheng(793)
Genetic Parameters Estimation for Main Growth Traits of (*Cyprinus carpio* var. *Quanzhouensis*)
..... XU Yilan,CHEN Zhong,
QIN Junqi,WEN Luting,PAN Xianhui,ZHOU Kangqi,HUANG Yin,LIN Yong,DU Xuesong(801)
Effects of the Cold Rolling Composite Process on Microstructure and Properties of 4004/3003/4004 Alumi-
num Alloy Composite Strip BIN Yuejing,LIU Ying,ZENG Yongmou,CAO Yu,HU Menghan(809)
