

### 海洋科学

- 海岸带动态演变与韧性研究进展..... 朱钰,周赢涛,薛玉龙,冯曦,冯卫兵(205)
- 海岸带城市蓝绿空间碳汇基础设施网络分析——以广西北部湾为例 ..... 李萱,龚苑红,覃盟琳,朱梓铭(213)
- 广西涠洲岛海域浮游植物群落结构季节变化特征及环境影响因素 .....  
..... 林佳,林海英,骆鑫,郭梅修,黎明民,庞碧剑,黄雄良,王宙,蓝文陆(224)
- 水温波动对泰来草、圆叶丝粉草生理及生长特性的影响 ..... 谭蓉蓉,史云峰,赵牧秋,王盈棋,刘明中(237)
- 微电流对大鹏湾造礁石珊瑚种苗存活率及生长状况的影响 .....  
..... 张树乐,杨小东,朱鸣,陈伯贵,谢子强,郑惠娜,肖宝华(248)

### 水产渔业

- 贵州习水国家级自然保护区大型底栖动物群落结构及水质评价 .....  
..... 陈振林,杨卫诚,罗康,熊玲,杨涛,黄玉杰,张高发(258)
- 广西地区中华圆田螺不同地理种群遗传多样性分析 .....  
周康奇,李育森,林勇,彭金霞,陈秀荔,覃俊奇,陈忠,黄烟,张彩群,杜雪松,何莘萍,韦嫔媛,潘贤辉(269)
- 封闭型水体中养殖密度对罗非鱼生长性能和水质的影响 .....  
..... 陈丽婷,吴剑峰,陶志明,严欣,郭忠宝,罗永巨,李满园,肖俊,梁军能,黄峥(279)
- 不同季节巴马拟缨鱼性腺发育特征..... 韦云勇,程光平,麻艳群,董升辉,司楠,古昌辉,程蔓(287)
- 长江上游保护区重庆段鱼类重要栖息地水环境及鱼类分布特征研究..... 李燕,李锋,张闯,王维,段聪(295)

### 计算科学

- 基于5G毫米波协作通信的小单元无线能量信标优化部署策略 ..... 卢明好,李陶深,吕品(302)
- 多策略集成的改进技能优化算法及应用..... 薛朝改,雒俊峰,曹武军(311)
- 基于自监督信息增强的图表示学习 ..... 袁立宁,文竹,冯文刚,刘钊(323)
- 基于多头指针的司法事件检测方法..... 张小丽,黄辉,黄瑞章,秦永彬,陈艳平(335)

### 特邀栏目

- 广西不同林龄马尾松人工林生态系统碳储量及其分配格局 ..... 李玉凤,莫燕华,秦佳双,马姜明(346)
- 农村生活污水生物-生态组合工艺净化效果及长效管理研究 .....  
..... 诸超超,金秋,陈菁,杨盛赞,彭鑫鑫,沙玥,李伟(357)
- 基于抗炎和促红细胞生成作用的九味补血口服液改善血虚证小鼠造血功能的机制研究 .....  
..... 韦洁,蓝晓东,朱涪翠,蒙珍,何飞,彭富全,黄若干(367)
- 消瘤藤总香豆素诱导结肠癌细胞铁死亡的作用研究..... 黎骊,邓聿胤,吕纪华,陆国寿,刘瑛(380)
- 前庭刺激对自闭症谱系障碍儿童语言障碍的疗效分析 ..... 卢川,龙耀斌(389)
- 数字经济背景下的数据交易风险与合规治理研究..... 梁燕妮(395)

## CONTENTS

April 2024 Vol. 31 No. 2 (No. 142 in Accumulation)

### Marine Sciences

- Research Progress on Dynamic Evolution and Resilience of Coastal Zones .....  
..... ZHU Yu,ZHOU Yingtao,XUE Yulong,FENG Xi,FENG Weibing(205)
- Analysis of Carbon Sink Infrastructure Network for Blue-Green Space in Coastal Zone Cities:Take Beibu Gulf of Guangxi as an Example ..... LI Xuan,GONG Yuanhong,QIN Menglin,ZHU Ziming(213)
- Seasonal Variation Characteristics of Phytoplankton Community Structure and Environmental Impact Factors in the Weizhou Island,Guangxi ..... LIN Jia,LIN Haiying,  
LUO Xin,GUO Meixiu,LI Mingmin,PANG Bijian,HUANG Xiongliang,WANG Zhou,LAN Wenlu(224)
- Effect of Water Temperature Fluctuation on the Physiology and Growth Characteristics of *Thalassia hemprichii* and *Cymodocea rotundata* .....  
..... SHAN Rongrong,SHI Yunfeng,ZHAO Muqiu,WANG Yingqi,LIU Mingzhong(237)
- Effects of Micro-current on the Survival Rate and Growth Status of Coral Reef-building Coral Seedlings in Dapeng Bay ..... ZHANG Shule,  
YANG Xiaodong,ZHU Ming,CHEN Bogui,XIE Ziqiang,ZHENG Huina,XIAO Baohua(248)

### Aquatic Fisheries

- Macroinvertebrate Community Structure and Water Quality Evaluation in Xishui National Nature Reserve of Guizhou Province ..... CHEN Zhenlin,  
YANG Weicheng,LUO Kang,XIONG Ling,YANG Tao,HUANG Yujie,ZHANG Gaofa(258)
- Genetic Diversity Analysis of Different Geographical Populations of *Cipangopaludina cathayensis* in Guangxi Region ..... ZHOU Kangqi,LI Yusen,LIN Yong,PENG Jinxia,CHEN Xiuli,QIN Junqi,  
CHEN Zhong,HUANG Yin,ZHANG Caiqun,DU Xuesong,HE Pingping,WEI Binyuan,PAN Xianhui(269)
- Effects of Breeding Density of *Oreochromis mossambicus* on Growth Performance and Water Quality in Confined Water ..... CHEN Liting,WU Jianfeng,TAO Zhiming,  
YAN Xin,GUO Zhongbao,LUO Yongju,LI Manyuan,XIAO Jun,LIANG Junneng,HUANG Zheng(279)
- Characteristics of Gonadal Development of *Pseudocrossocheilus bamaensis* in Different Seasons .....  
..... WEI Yunyong,  
CHENG Guangping,MA Yanqun,DONG Shenghui,SI Nan,GU Changhui,CHENG Man(287)
- Study on the Water Environment and Fish Distribution Characteristics of Fish Important Habitat in

Chongqing Section of the Upper Reaches of Yangtze River Reserve .....  
..... LI Yan, LI Feng, ZHANG Chuang, WANG Wei, DUAN Cong(295)

---

## Computational Sciences

Optimization Deployed Strategy of Wireless Power Beacon Based on 5G Millimeter Wave Cooperative Communication Small Cell

..... LU Mingyu, LI Taoshen, LÜ Pin(302)

Improved Skill Optimization Algorithm Based on Multi-strategy Integration and Its Application .....

..... XUE Chaogai, LUO Junfeng, CAO Wujun(311)

Graph Representation Learning Enhanced by Self-supervised Information .....

..... YUAN Lining, WEN Zhu, FENG Wengang, LIU Zhao(323)

Judicial Event Detection Method Based on Multi-head Pointer .....

..... ZHANG Xiaoli, HUANG Hui, HUANG Ruizhang, QIN Yongbin, CHEN Yanping(335)

---

## Special Columns

Carbon Storage and Distribution Pattern of *Pinus massoniana* Plantations Ecosystem in Different Forest Ages in Guangxi .....

..... LI Yufeng, MO Yanhua, QIN Jiashuang, MA Jiangming(346)

Study on Purification Effect and Long-Term Management of Bio-Ecological Combined Process for Rural Domestic Sewage .....

..... ZHU Chaochao, JIN qiu, CHEN Jing, YANG Shengyun, PENG Xinxin, SHA Yue, LI Wei(357)

Mechanism Study of Jiuwei Buxue Oral Liquid on Improving Hematopoietic Function in Blood Deficiency Mice Based on Anti-inflammation and Erythropoiesis Effects .....

..... WEI Jie, LAN Xiaodong, ZHU Fucui, MENG Zhen, HE Fei, PENG Fuquan, HUANG Ruogan(367)

Study on the Effect of Total Coumarins from *Pileostegia tomentella* Inducing Ferroptosis of Colorectal Cancer Cells .....

..... LI Li, DENG Yuyin, LÜ Jihua, LU Guoshou, LIU Ying(380)

Effect of Vestibular Stimulation on Speech Disorders in Children with Autism Spectrum Disorder .....

..... LU Chuan, LONG Yaobin(389)

Research on Data Trading Risks and Compliance Governance in the Context of Digital Economy .....

..... LIANG Yanni(395)

---