

水产学报 2024年6月 第48卷 第6期

目次

· 综述 ·

养殖鱼类的动物福利与产品品质 刘俊荣, 刘悦朋, 徐昙烨 (069101)

· 研究论文 ·

马氏珠母贝 *TNFR27* 基因克隆与功能初探 梁碧丹, 卢金昭, 梁海鹰, 张美珍, 申铖皓, 张彬 (069602)

温度升高和游离余氯对泥蚶的氧化胁迫效应 陈琳, 滕爽爽, 胡高宇, 肖国强, 黄晓林 (069603)

低氧胁迫对瘤背石磺 Toll 样受体 4、血细胞和免疫酶活性的影响
..... 肖海明, 土志涵, 饶榕城, 陈锡林, 钱畅, 张小明, 沈和定 (069604)

海藻糖对高温胁迫龙须菜的生理及基因表达的影响 陈文康, 张莹莹, 卢俊, 徐年军, 孙雪 (069605)

热带中西太平洋大眼金枪鱼的繁殖生物学特性 张健, 刘文俊, 王佚兮, 王啸, 石建高, 叶旭昌 (069306)

南极半岛周边海域南极磷虾栖息地适应性 王嘉龙, 刘慧, 朱国平 (069307)

雅砻江中游厚唇裸重唇鱼不同年龄鉴定材料的比较
..... 万卓坤, 甘维熊, 赵春娴, 曾如奎, 丁钰玮, 李天才, 冯雪,
白云鹏, 付梅, 姚维志, 吕红健 (069308)

长江上游鱼类环境 DNA 通用引物的选择与验证
..... 吕宏森, 王安香, 董智玲, 闫卉果, 龚志韬, 刘嘉豪, 姚维志, 何文平 (069309)

长江口鱼类群落粒径结构特征及群落稳定性评估
..... 杨柯迹, 陈锦辉, 赵静, 王学昉, 吴建辉, 张硕, 马金 (069310)

中国大陆沿海裸胸鳔属鱼类新记录种——鞍头裸胸鳔的形态与分子系统学
..... 何浩斌, 杨杰奎, 杨森, 梁冠宇, 李江涛, 李清清, 林鑫, 梁日深 (069111)

黄颡鱼的毒棘结构 冯晓玉, 肖瑾, 吴邦元, 曾燊, 杜涌徽, 张富斌 (069112)

酸化剂对大口黑鲈生长、抗氧化能力和肠道健康的影响
..... 何家鑫, 杨婷婷, 郭凯, 关舒, 郜卫华, 罗凯, 迟淑艳 (069613)

丁酸梭菌对七彩神仙鱼生长、形体指标、营养利用和肠道结构功能的影响
..... 朱建国, 温彬, 成果, 高建忠, 陈再忠 (069614)

中华鳖趋化因子 CXCL10 的分子特征及其对细菌感染的响应
..... 张爱茹, 黄秋雅, 吴彬, 钱国英, 张海琪, 徐浩浩 (069415)

不同低温时间无水保活对中国圆田螺存活、营养组成、消化酶活性及抗氧化指标的影响
..... 周康奇, 韦孜娜, 李哲, 林勇, 黄姻, 杜雪松, 覃俊奇,
陈忠, 欧红霞, 徐俊龙, 项桂德, 潘贤辉 (069816)

海上风机与养殖网箱融合系统中网箱系泊绳张力与导管架基础结构的安全性
..... 林旻, 邬骞力, 田会元, 黄六一, 黄桂芳, 刘波, 王欣欣, 王刚 (069517)

JOURNAL OF FISHERIES OF CHINA

Vol. 48, No. 6, June, 2024

CONTENTS

• ROUNDUP •

A review of animal welfare in farmed fish and impacts on product quality LIU Junrong, LIU Yuepeng, XU Tanye(069101)

• RESEARCH ARTICLES •

Cloning and preliminary study on the functions of *PmTNFR27* gene in *Pinctada fucata martensii* LIANG Bidan, LU Jinzhao, LIANG Haiying, ZHANG Meizhen, SHEN Chenghao, ZHANG Bin(069602)

Oxidative stress effect of temperature rise and free residual chlorine on *Tegillarca granosa* CHEN Lin, TENG Shuangshuang, HU Gaoyu, XIAO Guoqiang, HUANG Xiaolin(069603)

Effects of hypoxia stress on Toll-like receptor 4, blood cells and immune enzyme activities in *Onchidium reevesii* XIAO Haiming, TU Zhihan, RAO Rongcheng, CHEN Xilin, QIAN Chang, ZHANG Xiaoming, SHEN Heding(069604)

Effects of trehalose on the physiological parameters and gene expression of high-temperature stressed *Gracilariopsis lemaneiformis* CHEN Wenkang, ZHANG Yingying, LU Jun, XU Nianjun, SUN Xue(069605)

Reproductive biology of bigeye tuna (*Thunnus obesus*) in the tropical western and central Pacific Ocean ZHANG Jian, LIU Wenjun, WANG Yixi, WANG Xiao, SHI Jianguo, YE Xuchang(069306)

Habitat suitability of Antarctic krill (*Euphausia superba*) in the Antarctic Peninsula ... WANG Jialong, LIU Hui, ZHU Guoping(069307)

Comparative studies on age identification materials for *Gymnodiptychus pachycheilus* from the middle reaches of Yalong River WAN Zhuokun, GAN Weixiong, ZHAO Chunxian, ZENG Rukui, DING Yuwei, LI Tiancai, FENG Xue, BAI Yunpeng, FU Mei, YAO Weizhi, LÜ Hongjian(069308)

Selection and verification of eDNA universal primers for fish in the upper Yangtze River LÜ Hongsen, WANG Anxiang, DONG Zhiling, YAN Huiguo, GONG Zhitao, LIU Jiahao, YAO Weizhi, HE Wenping(069309)

Size structure and community stability assessment of fish community in the Yangtze River estuary YANG Keer, CHEN Jinhui, ZHAO Jing, WANG Xuefang, WU Jianhui, ZHANG Shuo, MA Jin(069310)

Morphological and molecular phylogenetic studies of a newly-recorded *Gymnothorax* species in China Sea—*G. sagemcephalus* HE Haobin, YANG Jieluan, YANG Sen, LIANG Guanyu, LI Jiangtao, LI Qingqing, LIN Li, LIANG Rishen(069111)

Structure of venomous spines of *Pelteobagrus fulvidraco* FENG Xiaoyu, XIAO Jin, WU Bangyuan, ZENG Yu, DU Yonghui, ZHANG Fubin(069112)

Effects of dietary acidifier on growth, antioxidant capacity and intestinal health of *Micropterus salmoides* HE Jiabin, YANG Tingting, GUO Kai, GUAN Shu, GAO Weihua, LUO Kai, CHI Shuyan(069613)

Effects of *Clostridium butyricum* on growth, body index, nutrient utilization, intestinal structure and function of discus fish (*Symphysodon haraldi*) ZHU Jianguo, WEN Bin, CHENG Guo, GAO Jianzhong, CHEN Zaizhong(069614)

Molecular characterization of CXCL10 in Chinese soft-shelled turtle (*Pelodiscus sinensis*) and its response to bacterial infection ZHANG Airu, HUANG Qiuya, WU Bin, QIAN Guoying, ZHANG Haiqi, XU Jiehao(069415)

Effects of different times of low temperature anhydrous preservation on survival, nutritional composition, enzyme activities and antioxidant indexes of *Cipangopaludina chinensis* ZHOU Kangqi, WEI Zina, LI Zhe, LIN Yong, HUANG Yin, DU Xuesong, QIN Junqi, CHEN Zhong, OU Hongxia, XU Junlong, XIANG Guide, PAN Xianhui(069816)

Mooring rope tension and jacket infrastructure safety in integrated system of offshore wind turbine and fish cage LIN Min, WU Qianli, TIAN Huiyuan, HUANG Liuyi, HUANG Guifang, LIU Bo, WANG Xinxin, WANG Gang(069517)