

中国水产科学

Zhongguo Shuichan Kexue

第 31 卷 第 7 期 2024 年 7 月

目 次

研究论文

- 解冻温度和冷冻保护剂对中华鲟精原干细胞超低温冷冻保存效果的影响
..... 舒雪密, 叶欢, 仲嘉, 张鸣, 罗江, 刘源, 杜浩 (745)
- 大口黑鲈 NLRP3 蛋白多克隆抗体的制备及初步应用
..... 陈振威, 江藕, 唐伟俊, 姜明旭, 王怀池, 简宇清, 王欢, 郑菲菲, 王庆超 (754)
- 驱动蛋白基因调节克氏原螯虾血淋巴细胞的吞噬作用
..... 杜国儒, 解伟, 左佳俊, 刘伟, 王雪惠, 隋丽英 (766)
- 棘胸蛙形态特征及遗传差异分析
..... 徐博文, 易霈霈, 傅雪军, 余进祥, 余智杰, 黄滨, 龚海波, 巫曦雅, 兰若林 (780)
- 不同饵料时期加州鲈仔稚鱼肠道微生物物种多样性和相对丰度变化
..... 田璐, 李永吉, 张艳春, 李文辉, 梁志强, 谢仲桂, 易大庆, 易湘开, 肖光明 (794)
- 克氏原螯虾低温休眠保活技术研究 阮记明, 钟智威, 黄建珍, 温娇萍, 王朝, 傅雪军, 王润萍 (810)
- 中华绒螯蟹养殖池塘晒塘阶段的 CO₂ 排放通量特征 肖霖, 徐克, 孙云飞, 罗国芝, 谭洪新, 成永旭 (820)
- 基于单核苷酸多态性标记的 7 个斑鱧野生群体的遗传结构和遗传多样性分析
..... 崔同心, 刘海洋, 张晋, 欧密, 罗青, 费树站, 陈昆慈, 赵建 (829)
- 基于线粒体控制区的苗岭山区斑鱧遗传结构及其多样性研究 李珊, 陈敦学, 马秀慧, 安苗 (839)
- 巴塔哥尼亚海域中尺度涡的特征及其与阿根廷滑柔鱼时空分布的关系分析
..... 张立川, 朱文斌, 朱凯, 金鹏超, 余为 (854)

Journal of Fishery Sciences of China

Vol. 31 No. 7 Jul. 2024

Contents

Effects of thawing temperature and cryoprotectant on the ultra-low temperature cryopreservation of spermatogonial

stem cells of Chinese sturgeon (*Acipenser sinensis*) SHU Xuemi, YE Huan, ZHONG Jia, ZHANG Ming,

LUO Jiang, LIU Yuan, DU Hao (753)

Preparation and application of polyclonal antibody against largemouth bass NLRP3 protein

..... CHEN Zhenwei, JIANG Ou, TANG Weijun, JIANG Mingxu, WANG Huaichi,

JIAN Yuqing, WANG Huan, ZHENG Feifei, WANG Qingchao (765)

Kinesin-related genes regulate phagocytosis in *Procambarus clarkii* hemocytes

..... DU Guoru, XIE Wei, ZUO Jiajun, LIU Wei, WANG Xuehui, SUI Liying (778)

Morphological characteristics and genetic differences in *Quasipaa spinosa* XU Bowen, YI Peipei,

FU Xuejun, YU Jinxiang, YU Zhijie, HUANG Bin, GONG Haibo, WU Xiya, LAN Ruolin (793)

Changes in the intestinal microbiota diversity and relative abundance of juvenile largemouth bass (*Micropterus salmoides*)

at different diet stages TIAN Lu, LI Yongji, ZHANG Yanchun, LI Wenhui, LIANG Zhiqiang,

XIE Zhonggui, YI Daqing, YI Xiangkai, XIAO Guangming (809)

Study of low-temperature dormancy preservation technology on *Procambarus clarkii*

..... RUAN Jiming, ZHONG Zhiwei, HUANG Jianzhen, WEN Jiaoping, WANG Zhao, FU Xuejun, WANG Rumping (819)

Characterization of CO₂ emission fluxes during the sunning stage of Chinese mitten crab (*Eriocheir sinensis*) aquaculture

ponds XIAO Lin, XU Ke, SUN Yunfei, LUO Guozhi, TAN Hongxin, CHENG Yongxu (828)

Genetic structure and diversity analysis of seven wild populations of *Channa maculata* based on SNP markers

..... CUI Tongxin, LIU Haiyang, ZHANG Jin, OU Mi, LUO Qing, FEI Shuzhan, CHEN Kunci, ZHAO Jian (838)

Genetic population structure and diversity of *Siniperca scherzeri* (Perciformes: Siniperidae) in Miaoling Mountain based

on the mtDNA control region LI Shan, CHEN Dunxue, MA Xiuhui, AN Miao (853)

Analysis of the characteristic statistics of eddies in Patagonia sea and their relationship with the spatial and temporal

distribution of Argentine shortfin squid, *Illex argentinus* ZHANG Lichuan, ZHU Wenbin, ZHU Kai,

JIN Pengchao, YU Wei (866)