

目 次

· 综述 ·

益生菌在水产养殖可持续发展中的应用现状及展望

..... 赵 勇, 段为旦, 王友成, 苏 明, 陶 倩, 张昭寰, 潘迎捷, 刘智俊 (039101)

区域性渔业管理组织国外研究进展及对中国的启示 卢 洁, 邹磊磊 (039302)

· 研究论文 ·

大菱鲆 29 个脂质代谢相关基因的组织表达 刘国旭, 孟晓雪, 马 强, 卫育良, 梁萌青, 徐后国 (039103)

鲑降钙素对虹鳟鳞组织 miRNA 表达的影响 周启苓, 马 骞, 王刘永, 毛非凡, 杨二军, 陈 刚 (039104)

基于简化基因组测序筛选白斑狗鱼耐热性状关联的 InDel 标记

..... 海萨·艾也力汗, 张 钰, 杨博文, 咸玉兰, 高 攀, 沈玉帮 (039105)

日本沼虾 *StAR* 基因克隆及其低氧胁迫下表达分析 郑 诚, 薛 程, 赵倩倩, 孙盛明 (039106)

四川华鳊外周血液及血细胞发生的观察 石金凤, 刘小红, 汪浩宇, 刘小琴, 王志坚 (039107)

低盐水体 Na^+/K^+ 对凡纳滨对虾生长、体成分与肝胰腺、鳃组织结构的影响

..... 祝华萍, 苏家齐, 张子军, 朱长波, 张 博, 李 婷, 陈素文 (039608)

低渗透诱导合浦珠母贝的三倍体 范 超, 张学开, 张兴志, 唐黎明, 李金龙, 李琼珍, 王昭萍 (039609)

短吻三线舌鳎、褐斑三线舌鳎和紫斑舌鳎种类的有效性厘定 孔晓瑜, 罗海容, THOMAS A. Munroe (039110)

基于 eDNA 技术的舟山近海中国团扇鳐定性与定量分析 高天翔, 张浩博, 王晓艳, 陈 治 (039311)

基于 CT 扫描数据的黄鳍金枪鱼鱼体三维重构 宋利明, 李金霖, 张 敏 (039112)

人工养殖斑鱧不同月龄表型性状的主成分与判别分析

..... 平洪领, 张 涛, 史会来, 付铁中, 何 杰, 李 彬, 卢 斌, 俞学军 (039613)

胍基乙酸对斑点叉尾鮰生长、肝脏抗氧化和肌肉能量代谢的影响

..... 于海罗, 肖调义, 骆艺文, 王红权, 任 为, 叶利海, 章燕铃 (039614)

异体移植炎症因子 1 对草鱼白细胞活力及炎性因子释放的影响 王袆琳, 伍迎欢, 赵燕英 (039415)

pH 对大黄鱼肌原纤维蛋白结构性质及乳化性的影响

..... 任中阳, 崔雅清, 陈玉峰, 石林凡, 郝更新, 杨 瑾, 邱绪建, 刘淑集, 翁武银 (039816)

进水管设置角度对圆形循环水养殖池自清洗能力的影响

..... 朱 放, 桂福坤, 胡佳俊, 孔剑桥, 潘训然, 张泽坤, 冯德军, 曲晓玉 (039617)

立方对角面开孔人工鱼礁流场效应的数值模拟 薛大文, 庞聪利, 潘 眇 (039518)

栅型兼捕减少装置的规格和倾角对网囊水动力及形态的影响

..... 银利强, 唐 浩, 许柳雄, 刘 伟, 刘景彬, 孙秋阳, 张 锋 (039719)

· 会议通知 ·

中国水产学会期刊分年会预通知

JOURNAL OF FISHERIES OF CHINA

Vol. 48, No. 3, March, 2024

CONTENTS

• ROUNDUP •

Research progress and prospect of probiotics in sustainable aquaculture

..... ZHAO Yong, DUAN Weidan, WANG Youcheng, SU Ming, TAO Qian,
ZHANG Zhaohuan, PAN Yingjie, LIU Zhijun(039101)

Development of foreign research on regional fisheries management organizations and its implications for China

..... LU Jie, ZOU Leilei(039302)

• RESEARCH ARTICLES •

Tissue distribution of transcription for 29 lipid metabolism-related genes in turbot (*Scophthalmus maximus*)

..... LIU Guoxu, MENG Xiaoxue, MA Qiang, WEI Yuliang, LIANG Mengqing, XU Houguo(039103)

Effects of salmon calcitonin on the expression of miRNA in *Oncorhynchus mykiss* scales

..... ZHOU Qiling, MA Qian, WANG Liuyong, MAO Feifan, YANG Erjun, CHEN Gang(039104)

Screening of InDel markers associated with heat tolerance traits in *Esox lucius* based on simplified genome sequencing

..... AYELHAN Haisa, ZHANG Yu, YANG Bowen, XIAN Yulan, GAO Pan, SHEN Yubang(039105)

Molecular cloning and expression analysis of *StAR* gene from oriental river pawn (*Macrobrachium nipponense*) in response to hypoxia

..... ZHENG Cheng, XUE Cheng, ZHAO Qianqian, SUN Shengming(039106)

Observation of hematocytes in peripheral blood and the hematopoiesis in *Sinibrama taeniatus*

..... SHI Jinfeng, LIU Xiaohong, WANG Haoyu, LIU Xiaoqin, WANG Zhijian(039107)

Effects of Na⁺/K⁺ ratio on growth, body composition, hepatopancreas and gill microstructure of *Litopenaeus vannamei* reared in low-salinity environment ZHU Huaping, SU Jiaqi, ZHANG Zijun, ZHU Changbo, ZHANG Bo, LI Ting, CHEN Suwen(039608)

Triploid induction by hyponotic shock in the Chinese pearl oyster (*Pinctada martensii*)

..... FAN Chao, ZHANG Xuekai, ZHANG Xingzhing, TANG Liming, LI Jinlong, LI Qiongzhen, WANG Zhaoping(039609)

Re-evaluation of the taxonomic status of three nominal species, *Cynoglossus abbreviatus*, *C. trigrammus* and *C. purpureomaculatus* in *Cynoglossus* (Pleuronectodei: Cynoglossidae) KONG Xiaoyu, LUO Hairong, THOMAS A. Munroe(039110)

Qualitative and quantitative analysis of *Platyrhina sinensis* based on eDNA methods in Zhoushan offshore

..... GAO Tianxiang, ZHANG Haobo, WANG Xiaoyan, CHEN Zhi(039311)

Three-dimensional reconstruction of yellowfin tuna (*Thunnus albacares*) body based on CT scan data

..... SONG Liming, LI Jinlin, ZHANG Min(039112)

Principal component and discriminant analyses of morphological traits of cultured *Kynosurus punctatus* at different stage

..... PING Hongling, ZHANG Tao, SHI Huilai, FU Tiezhong, HE Jie, LI Bin, LU Bin, YU Xuejun(039613)

Effect of dietary guanidinoacetic acid on growth, hepatic anti-oxidative capacity and muscle energy metabolism in channel catfish (*Ictalurus punctatus*) YU Hailuo, XIAO Tiaoyi, LUO Yiwen, WANG Hongquan, REN Wei, YE Lihai, ZHANG Yanling(039614)

Allograft inflammatory factor-1 stimulates leukocyte viability and inflammatory mediator release from *Ctenopharyngodon idella*

..... WANG Yilin, WU Yinghuan, ZHAO Yanying(039415)

Effect of pH on the structural properties and emulsification of myofibrillar proteins of large yellow croaker (*Larimichthys crocea*)

..... REN Zhongyang, CUI Yaqing, CHEN Yufeng, SHI Linfan, HAO Gengxin, YANG Shen, QIU Xujian, LIU Shuji, WENG Wuyin(039816)

Effect of inlet pipe setting angle on the self-cleaning performance of circular recirculating aquaculture tank

..... ZHU Fang, GUI Fukun, HU Jiajun, KONG Jianqiao, PAN Xunran, ZHANG Zekun, FENG Dejun, QU Xiaoyu(039617)

Numerical simulation of flow field effect of cube-diagonal hole-opening artificial reefs XUE Dawen, PANG Congli, PAN Yun(039518)

Effects of size and grid angle of sorting grid on the hydrodynamic performance and shape of trawl codend

..... YIN Liqiang, TANG Hao, XU Liuxiong, LIU Wei, LIU Jingbin, SUN Qiuyang, ZHANG Feng(039719)