

渔业科学进展

YUYE KEXUE JINZHAN

第 45 卷 第 2 期

2024 年 4 月

中国科技核心期刊

中文核心期刊

全国优秀农业期刊

中国科学引文数据库(CSCD)核心库来源期刊

中国科技论文统计源核心期刊

RCCSE 中国权威学术期刊

中国期刊全文数据库(CNKI)、万方数据、

中文科技期刊数据库(维普网)收录期刊

中国海洋文献数据库(CODS)来源期刊

英国《动物学记录》(ZR)收录期刊

《水科学与渔业文摘》(ASFA)收录期刊

《剑桥科学文摘》(CSA)收录期刊

《乌利希期刊指南》(UPD)收录期刊

《开放获取期刊指南》(DOAJ)收录期刊

目 次

专栏：水域生态环境安全与健康

- 近 20 年黄河口营养盐结构演变及现状研究 吴傲琳 钟正浩 于松 睦晓超 姚晓 邹立 王涛 边昌伟 江文胜 (1)
- 靖海湾富营养化海域浮游动物群落变化及其影响因素 陈学杨 丁东生 崔正国 曲克明 魏玉秋 (14)
- 基于综合生物标志物响应的渔港重金属污染风险评价 刘倩 刘永 张林宝 陈海刚 张喆 田斐 王学锋 (28)
- 渤海渔业生物重金属污染及风险评价 李奇龙 夏斌 隋琪 曲克明 朱琳 李玉 (39)
- 长山列岛附近海域野生鱼类体内微塑料的分布特征研究 张国旗 孟迪 夏斌 王荣元 曲克明 孙雪梅 冯志华 (50)
- 青岛崂山近岸海域表层沉积物中微塑料的污染特征 张莹 赵信国 隋琪 孙雪梅 朱琳 夏斌 曲克明 (61)
- 基于 Mike 研究舟山团鸡山岛微塑料泄露的迁移分布及影响 李艳 曹露 边佳胤 陈炜 冷泽权 赵西增 高运 (70)
- 海水养殖尾水人工湿地处理系统及其脱氮过程研究进展和展望 李秋芬 田文杰 孙波 迟赛赛 罗梓峻 徐爱玲 宋志文 崔正国 (82)
- 不同氮营养盐对赫氏颗石藻和三角褐指藻中 DMSP 含量的影响 李凌霄 孙婧 宋若晗 崔正国 曲克明 王庆奎 周明莹 崔鸿武 胡清静 (96)
- 温度和光照强度对强壮硬毛藻氮磷营养盐吸收效果的影响 曹金凤 李秋芬 黄经献 罗梓峻 张传涛 孙祥山 (105)
- 藻类净水除杂系统对微塑料及氮、磷去除效果的影响 刘子烁 刘诗伟 杨玉祥 靳玮 马晓娜 冯志华 (114)
- 不同进水硝酸盐浓度和温度下聚己内酯/玉米芯复合固体碳源的反硝化性能探究 卢伟斌 胡海燕 冯宇娜 李皓 汪鲁 崔正国 曲克明 宋盈盈 崔鸿武 (123)
- 基于 Bytetrack 的多目标跟踪算法在斑马鱼毒性行为识别中的应用 赵海翔 崔鸿武 黄桢铭 王磊 李皓 崔正国 曲克明 (136)
- 不同生理状态中华鲟体表黏液与生境微生物组成差异分析 郑跃平 刘杰豪 金审 孙若凌 徐嘉楠 范厚勇 王有基 胡梦红 (150)

综述

- 阿根廷滑柔鱼能量积累的食物组成及其生态角色的研究进展 林东明 宋维 冯艺璇 (162)

研究论文

- 基于环境 DNA metabarcoding 的西轩岛近海鱼类多样性研究 张浩博 王晓艳 钟兰萍 陈治 高天翔 (173)
- 福建东吾洋海域海水和沉积物菌群结构及其与环境因子相关性 张铭洋 李昊 王印庚 马翠萍 陈夫山 (186)
- 长山列岛潮间带贝类群落结构季节变化 黄强 廖梅杰 李彬 王锦锦 葛建龙 荣小军 王与凡 (186)
- 绿鳍马面鲷胚后早期发育各阶段形态特征的研究 葛广玉 周丽青 井浩 吴宙 吴彪 孙秀俊 刘志鸿 杨玉敏 赵丹 (199)
- 大菱鲆类胰岛素生长因子 3 基因的克隆和表达分析 朱金超 边力 潘滢 李凤辉 潘鲁莹 张子阳 吴丹 常青 陈四清 (210)
- 投喂频率对工厂化循环水养殖星康吉鳗生长、生理指标及其水质的影响 张家荣 秦宏宇 谢婷 张效宇 李飞霞 吕俊贤 贾玉东 (220)
- 短期微流水处理对池塘养殖杂交鮰“先锋 1 号”肌肉品质的影响 史宝 王成刚 程汉良 马晓东 (233)
- 美洲鲟鱼嗜水气单胞菌病原的分离与鉴定 喻亚丽 李清 张浪 孙艳红 鲁晓蓉 魏辉杰 陈见 李佩 高银爱 王贵英 (245)
- 美洲鲟鱼嗜水气单胞菌病原的分离与鉴定 王会林 晋怀远 高晔 夏苏东 李杰 (257)

PROGRESS IN FISHERY SCIENCES

CONTENTS

Vol.45 No.2 April 2024

Special Topic: Safety and Health of Aquatic Ecosystem

- The Current Status and 20 Years of Evolution of Nutrient Structure in the Yellow River Estuary..... WU Aolin, ZHONG Zhenghao, YU Song, SUI Xiaochao, YAO Xiao, ZOU Li, WANG Tao, BIAN Changwei, JIANG Wensheng (1)
- Changes and Influencing Factors of the Zooplankton Community in the Eutrophic Waters of Jinghai Bay CHEN Xueyang, DING Dongsheng, CUI Zhengguo, QU Keming, WEI Yuqi (14)
- Risk Assessment of Heavy Metals Pollution in Fishing Ports Using an Integrated Biomarker Response Approach LIU Qian, LIU Yong, ZHANG Linbao, CHEN Haigang, ZHANG Zhe, TIAN Fei, WANG Xuefeng (28)
- Heavy Metal Pollution and Risk Assessment in Different Species of Fish from the Bohai Sea LI Qilong, XIA Bin, SUI Qi, QU Keming, ZHU Lin, LI Yu (39)
- Distribution Characteristics of Microplastics in Wild Fish near Changshan Islands ZHANG Guoqi, MENG Di, XIA Bin, WANG Rongyuan, QU Keming, SUN Xuemei, FENG Zhihua (50)
- Distribution Characteristics of Microplastic Pollution in the Surface Sediments of the Laoshan Coastal Area of Qingdao ZHANG Ying, ZHAO Xinguo, SUI Qi, SUN Xuemei, ZHU Lin, XIA Bin, QU Keming (61)
- Investigation of the Migration, Distribution, and Influence of Microplastic Leakage on Tuanjishan Island in Zhoushan Using Mike LI Yan, CAO Lu, BIAN Jiayin, CHEN Wei, LENG Zequan, ZHAO Xizeng, GAO Yun (70)
- Research Progress and Prospects of Constructed Wetland Treatment Systems for Maricultural Wastewater and Its Nitrogen Removal Process LI Qiufen, TIAN Wenjie, SUN Bo, CHI Saisai, LUO Zijun, XU Ailing, SONG Zhiwen, CUI Zhengguo (82)
- Effect of Different Nitrogen Nutrients on DMSP Content in *Emiliania huxleyi* and *Phaeodactylum tricoratum* LI Lingxiao, SUN Jing, SONG Ruohan, CUI Zhengguo, QU Keming, WANG Qingkui, ZHOU Mingying, CUI Hongwu, HU Qingjing (96)
- The Effects of Temperature and Light Intensity on Nutrient Absorption of *Chaetomorpha valida* CAO Jinfeng, LI Qiufen, HUANG Jingxian, LUO Zijun, ZHANG Chuantao, SUN Xiangshan (105)
- An Algae Water Purification and Decontamination System That Removes Microplastics, Nitrogen and Phosphorus LIU Zishuo, LIU Shiwei, YANG Yuxiang, JIN Wei, MA Xiaona, FENG Zhihua (114)
- Investigation of Denitrification Performance of Composite Solid Carbon Source of Polycaprolactone and Corn Cob under Different Influent Nitrate Concentrations and Temperatures LU Weibin, HU Haiyan, FENG Yuna, LI Hao, WANG Lu, CUI Zhengguo, QU Keming, SONG Yingying, CUI Hongwu (123)
- Application of a Bytetrack-Based, Multi-Target Tracking Algorithm for Zebrafish Toxicity-Response Behavior Recognition ZHAO Haixiang, CUI Hongwu, HUANG Zhenming, WANG Lei, LI hao, CUI Zhengguo, QU Keming (136)
- Skin Mucus Flora and Habitat Microbial Composition of Chinese Sturgeon (*Acipenser sinensis*) Under Different Physiological States ZHENG Yueping, LIU Jiehao, JIN Shen, SUN Ruoling, XU Jianan, FAN Houyong, WANG Youji, HU Menghong (150)

Review

- Diet Composition and Ecological Role of Argentine Shortfin Squid *Illex argentinus* in Energy Accumulation: A Review LIN Dongming, SONG Wei, FENG Yixuan (162)

Research Article

- Diversity of Fish Species in Xixuan Island Coastal Waters Based on Environmental DNA Metabarcoding ZHANG Haobo, WANG Xiaoyan, ZHONG Lanping, CHEN Zhi, GAO Tianxiang (173)
- Structure of Seawater and Sediment Bacterial Community and Its Correlation with Environmental Factors in Fujian Dongwuyang Bay ZHANG Mingyang, LI Hao, WANG Yingeng, MA Cuiping, CHEN Fushan, HUANG Qiang, LIAO Meijie, LI Bin, WANG Jinjin, GE Jianlong, RONG Xiaojun, WANG Yufan (186)
- Annual Variation of Shellfish Community Structure in Intertidal Zone of Changshan Islands GE Guangyu, ZHOU Liqing, JING Hao, WU Zhou, WU Biao, SUN Xiujun, LIU Zhihong, YANG Yumin, ZHAO Dan (199)
- Morphological Characteristics of Postembryonic Early Development of the *Thamnaconus septentrionalis* ZHU Jinchao, BIAN Li, PAN Ying, LI Fenghui, PAN Luying, ZHANG Ziyang, WU Dan, CHANG Qing, CHEN Siqing (210)
- Cloning and Expression Analysis of IGF3 in Turbot (*Scophthalmus maximus*) ZHANG Jiarong, QIN Hongyu, XIE Ting, ZHANG Xiaoyu, LI Feixia, LÜ Junxian, JIA Yudong (220)
- Effects of Feeding Frequency on the Growth, Physiological Indices, and Water Quality of *Conger myriaster* Reared in Industrial Recirculating Aquaculture Systems ZHAO Xinyu, SHI Bao, WANG Chenggang, CHENG Hanliang, MA Xiaodong (233)
- Quality Improvement of Short-Time Micro-Flow Water Treatment on the Flesh of Juvenile Hybrid F₁ Fish Cultured in Ponds YU Yali, LI Qing, ZHANG Lang, SUN Yanhong, LU Xiaorong, WEI Huijie, CHEN Jian, LI Pei, GAO Yin'ai, WANG Guiying (245)
- Isolation and Identification of *Aeromonas hydrophila* from *Alosa sapidissima* WANG Huilin, JIN Huaiyuan, GAO Ye, XIA Sudong, LI Jie (257)