

# 水产学报 2023 年 11 月 第 47 卷 第 11 期

## 目 次

### · 综述 ·

从多倍体鲫遗传育种实践谈现代水产育种与水产种业发展\* ..... 桂建芳 (119101)

鱼类良种良养良销体系的建立 ..... 王 石, 许庆林, 覃钦博, 陶 敏, 张 纯, 周 穀, 罗凯坤,  
胡方舟, 王余德, 刘庆峰, 赵如榕, 吴 昌, 刘少军 (119602)

鱼类性别特异分子标记筛选及分子性控育种研究现状与展望 ..... 刘 洋, 陈松林 (119103)

大型海藻育种技术研究进展及其应用 ..... 王文磊, 徐 燕, 纪德华, 谢潮添 (119104)

大食物观背景下中国淡水养殖业高质量发展的挑战与对策

..... 王建军, 徐思雨, 赵文武, 冯建彬, 李利冬, 邹曙明, 崔利锋, 李家乐 (119605)

团头鲂全产业链健康养殖技术研究进展及展望

..... 戈贤平, 刘 波, 缪凌鸿, 赵永锋, 林 艳, 路思悦, 姜文强, 钱琳洁 (119606)

海水虾蟹环境适应与池塘生态工程化养殖 ..... 李 健, 李吉涛 (119607)

中外海洋牧场建设之比较 ..... 茹小尚, 邓贝妮, 冯其明, 林承刚, 张立斌, 杨红生 (119508)

海洋牧场生态系统稳定性及其对干扰的响应—研究现状、问题及建议

..... 张秀梅, 纪棋严, 胡成业, 徐焕志, 王一航, 杨晓龙, 郭浩宇 (119509)

我国近海渔业资源研究历程及展望 ..... 金显仕, 田洪林, 单秀娟 (119310)

中国渔业生态环境学科研究进展与展望 ..... 李纯厚, 齐占会 (119311)

我国海水养殖贝类病害发生现状及防控策略 ..... 宋林生 (119412)

鱼类的干扰素系统：研究进展与我国学者的贡献 ..... 李 丽, 邹 钧, 苏建国, 刘兰浩, 张 珊, 聂 品 (119413)

中国淡水鱼类寄生虫研究七十年 ..... 李 明, 李文祥, 赵威山, 周伟钿, 步夏莲, 吴山功, 邹 红, 王桂堂 (119414)

中国水产养殖装备发展现状 ..... 刘世晶, 李国栋, 刘 晃, 郑浩君, 陈 军 (119615)

海洋捕捞技术、渔具渔法研究进展与趋势 ..... 王鲁民, 王忠秋 (119716)

我国水产品加工和流通产业科技现状与发展趋势 ..... 薛长湖, 李兆杰 (112517)

CN 31 - 1283/S \* 1964 \* m \* 16 \* 224 \* zh \* p \* ¥ 80.00 \* 1500 \* 17 \* 2023-11

# JOURNAL OF FISHERIES OF CHINA

Vol. 47, No. 11, November, 2023

## CONTENTS

### • ROUNDUP •

- From improvement practice of polyploid crucian carp to modern trends of aquaculture genetic breeding and seed industry ..... GUI Jianfang(119101)
- The system of improved seed, healthy aquaculture and outstanding sales of fish was established ..... WANG Shi, XU Qinglin, QIN Qinbo, TAO Min, ZHANG Chun, ZHOU Yi, LUO Kaikun, HU Fangzhou, WANG Yude, LIU Qingfeng, ZHAO Rurong, WU Chang, LIU Shaojun(119602)
- Fish sex-specific molecular marker screening and marker-assisted sex-controlled breeding: history, progress and prospect ..... LIU Yang, CHEN Songlin(119103)
- Advances in seaweed breeding technology and its applications ..... WANG Wenlei, XU Yan, JI Dehua, XIE Chaotian(119104)
- Challenges and countermeasures for the high quality development of China's Freshwater aquaculture industry under the background of the integrated food security thought ..... WANG Jianjun, XU Siyu, ZHAO Wenwu, FENG Jianbin, LI Lidong, ZOU Shuming, CUI Lifeng, LI Jiale(119605)
- Progress and prospects of healthy aquaculture technology for the whole industrial chain of *Megalobrama amblycephala* ..... GE Xianping, LIU Bo, MIAO Linghong, ZHAO Yongfeng, LIN Yan, LU Siyue, JIANG Wenqiang, QIAN Linjie(119606)
- Environmental adaptation and ecological engineering pond aquaculture of marine shrimp and crab ..... LI Jian, LI Jitao(119607)
- Comparison of marine ranching construction between China and foreign countries ..... RU Xiaoshang, DENG Beini, FENG Qiming, LIN Chenggang, ZHANG Libin, YANG Hongsheng(119508)
- Ecosystem stability of marine ranching and its response to disturbance: research status, issues, and suggestions ..... ZHANG Xiumei, JI Qiyan, HU Chengye, XU Huanzhi, WANG Yihang, YANG Xiaolong, GUO Haoyu(119509)
- Development and prospects of studies on inshore fisheries resources in China ..... JIN Xianshi, TIAN Honglin, SHAN Xiujuan(119310)
- Ecological and environmental research in fishery waters of China: current status and prospects ..... LI Chunhou, QI Zhanhui(119311)
- The occurrence and prevention and control strategies of mollusc diseases in marine aquaculture of China ..... SONG Linsheng(119412)
- Interferon (IFN) system in fish: Research progress and contributions from China ..... LI Li, ZOU Jun, SU Jianguo, LIU Lanhao, ZHANG Shan, NIE Pin(119413)
- Seventy years of development on freshwater fish parasitology in China ..... LI Ming, LI Wenxiang, ZHAO Weishan, ZHOU Weitian, BU Xialian, WU Shangong, ZOU Hong, WANG Guitang(119414)
- Current development status of aquaculture equipment in China ..... LIU Shijing, LI Guodong, LIU Huang, ZHENG Haojun, CHEN Jun(119615)
- Review of marine fishing equipment and technology ..... WANG Lumin, WANG Zhongqiu(119716)
- Current situation and development trend of science and technology in aquatic product processing and circulation industry of China ..... XUE Changhu, LI Zhaojie(112517)