

中文核心期刊
中国科技核心期刊
中国科学引文数据库期刊

ISSN 1003-1111
CN 21-1110/S

水产科学

FISHERIES SCIENCE

第 40 卷 第 6 期 Vol. 40 No. 6
2021 年 11 月 Nov. 2021
卷 终

辽宁省水产学会 主办
Liaoning Fisheries Society

 科学出版社 出版
Science Press

水 产 科 学

第 40 卷第 6 期 2021 年 11 月

目 次

• 研究与应用 •

- 绿鳍马面鲀工厂化早繁苗种培育关键技术 姜良龙, 张 哲, 王 臻, 杜荣斌, 栾顺香, 吴艳庆, 刘立明(801)
- 响应面法优化提取仿刺参中海参皂苷工艺 刘桂英, 王旭达, 葛 坤, 胡超魁, 吴金浩, 李 爱, 郑 杰, 周遵春(810)
- 饲料投喂、饥饿与活饵再投喂对鳊幼鱼糖代谢的影响 马晨夕, 赵金良, 曾萌冬, 宋银都, 周云红(818)
- 禾花鲤摄食选择与仔稚鱼消化器官发育的研究 刘 婷, 黄 凯, 林 勇, 罗雨萧, 蒋士宋, 梁艺馨, 庞琳星, 莫翠琴(826)
- 大洋河刀鲚繁殖前后肌肉营养成分分析 蒋湘辉, 杨培民(835)
- 白斑狗鱼 Dmrt1 基因克隆及其表达分析 李 菁, 赵瑞阳, 唐 露, 张俊杰, 古丽帕日·艾克拜(843)
- 白洋淀草型淀区沉水植物暴发期浮游植物群落特征 刘 阳, 李志斐, 张晓可, 刘学光, 谢 骏, 王广军, 张军旺(851)
- 絮体粒径对生物絮团系统中硝化作用的影响 陈晓庆, 罗国芝, 谭洪新, 吴慧芳, 蒙浩焱, 黎 爽(860)
- 不同温度作用下草鱼胚胎的发育及 hsp70 基因表达 邱裕明, 林 旺, 郭红会, 张 策, 李 莉, 李大鹏(870)
- 表面活性素在不同脂肪水平斜带石斑鱼饲料中的添加效果 朱怀宁, 孙秀文, 翟少伟(877)
- 辽河口四角蛤蜊繁殖周期研究 刘项峰, 谢 玺, 陈 微, 朱守维, 滕炜鸣, 李大成, 李晓东, 王庆志(883)
- 1 龄性早熟中华绒螯蟹早熟性状遗传能力的研究 郑 岩, 梁 芳, 耿 丹, 李 杨, 刘 胥(889)
- 温度对笼目海带配子体生长发育的影响 陈书秀, 李 霞, 赵 楠, 孙 娟, 史 良, 李晓捷(895)
- 甲基睾酮暴露对鳊鲌精巢发育的影响 赖晓健, 彭 帅, 张 哲, 李忠琴(900)
- 锦鲤与草金鱼杂交子代肠道形态和酶学特性 刘君恒, 冯晓飒, 张 源, 高建忠(905)
- EM 菌对互花米草凋落物底泥中克氏原螯虾幼苗的影响 张婧怡, 姜仁平, 孟祥龙, 黄 成, 刘茂松(911)
- 海水小球藻粗多糖对日本鳎免疫相关酶活性的影响 王家新, 苏 宏, 王卫兵, 许永忠, 郭晨宇, 顾小朵, 王洪斌(917)
- 养殖可口革囊星虫纤溶酶分离纯化及酶学特性研究 蔡彬新, 周逢芳, 阮少江, 黄伟卿, 刘聪颖, 苏 愉(922)
- 长蛸繁殖季种群组成及采捕策略初探 贺加贝, 王 鹤, 孙建晓, 蔡明城, 付建革, 刘永胜(929)
- 综述与专论 •
- 基于 DNA 检测的动物性水产品鉴伪技术研究进展 黄 珏, 王正亮, 潘海波, 袁 慧, 俞晓平(934)
- 鲤疱疹病毒 II 型检测技术的研究进展 郭宝琴, 魏 畅, 李 强(943)

2021 年总目次 (I)

期刊基本参数: CN 21-1110/S * 1982 * b * A4 * 150 * zh * P * ¥30.00 * * 21 * 2021-11

Fisheries Science

Vol.40 No.6 Nov. 2021

Contents

• Research and Application •

- Key Techniques of Industrial Seedling Production for Drab Filefish *Thamnaconus septentrionalis* in Early Breeding Season
..... JIANG Lianglong, ZHANG Zhe, WANG Zhen, DU Rongbin, LUAN Shunxiang, WU Yanqing, LIU Liming (801)
- Optimization of Microwave-Assisted Extraction Conditions for Saponins in Sea Cucumber *Apostichopus japonicus* by Response Surface Methodology
..... LIU Guiying, WANG Xuda, GE Kun, HU Chaokui, WU Jinhao, LI Ai, ZHENG Jie, ZHOU Zunchun (810)
- Effects of Feed Feeding, Starvation and Live Food Refeeding on Glucose Metabolism in Mandarinfish *Siniperca chuatsi*
..... MA Chenxi, ZHAO Jinliang, ZENG Mengdong, SONG Yindu, ZHOU Yunhong (818)
- Feeding Selection and Development of Digestive Organs in Rice Flower Carp *Cyprinus carpio* Larvae and Juveniles
..... LIU Ting, HUANG Kai, LIN Yong, LUO Yuxiao, JIANG Shisong, LIANG Yixin, PANG Linxing, MO Cuiqin (826)
- Nutritional Composition Analysis in Muscle of Tapertail Anchovy *Coilia nasus* from Dayang River before and after Reproduction
..... JIANG Xianghui, YANG Peimin (835)
- Molecular Cloning and Expression Analysis of Dmrt1 Gene in Northern Pike *Esox lucius*
..... LI Jing, ZHAO Ruiyang, TANG Lu, ZHANG Junjie, AIKEBAI Gulipari (843)
- Community Characteristics of Phytoplankton: a Case in a Macrophyte-Dominated Sub-Lake of Baiyangdian Lake during Overgrowth Period of Submerged Macrophytes ... LIU Yang, LI Zhifei, ZHANG Xiaoke, LIU Xueguang, XIE Jun, WANG Guangjun, ZHANG Junwang (851)
- Effects of Different Floc Particle Sizes on Nitrification in Biofloc Technology Aquaculture System
..... CHEN Xiaoqing, LUO Guozhi, TAN Hongxin, WU Huifang, MENG Haoyan, LI Shuang (860)
- Embryonic Development and Expression Level of hsp70 Gene of Grass Carp *Ctenopharyngodon idella* under Different Temperatures
..... QIU Yuming, LIN Wang, GUO Honghui, ZHANG Ce, LI Li, LI Dapeng (870)
- Effects of Different Lipid Levels Diet Supplemented with Surfactin in Orange Spotted Grouper *Epinephelus coioides*
..... ZHU Huaining, SUN Xiuwen, ZHAI Shaowei (877)
- Reproduction of Surf Clam *Macra veneriformis* Inhabiting the Liaohe Estuary
..... LIU Xiangfeng, XIE Xi, CHEN Wei, ZHU Shouwei, TENG Weiming, LI Dacheng, LI Xiaodong, WANG Qingzhi (883)
- Genetic Ability of Precocious Characters of One-Year Old Sexual Precocity of Chinese Mitten Crab *Eriocheir sinensis*
..... ZHENG Yan, LIANG Fang, GENG Dan, LI Yang, LIU Xu (889)
- Effects of Temperature on Growth and Development of Gametophytes in Seaweed *Kjellmaniella crassifolia*
..... CHEN Shuxiu, LI Xia, ZHAO Nan, SUN Juan, SHI Liang, LI Xiaojie (895)
- Testis Development Induced in Japanese Eel *Anguilla japonica* by 17 α -Methyltestosterone Exposure
..... LAI Xiaojian, PENG Shuai, ZHANG Zhe, LI Zhongqin (900)
- Differences in Intestinal Morphology and Enzymatic Characteristics between Koi and Goldfish in Hybrid and Self-Crossed Offsprings
..... LIU Junheng, FENG Xiaosa, ZHANG Yuan, GAO Jianzhong (905)
- Effects of Effective Microorganisms on Red Swamp Crayfish *Procambarus clarkii* Juveniles in *Spartina alterniflora* Litter Bottom Matrix ...
..... ZHANG Jingyi, JIANG Renping, MENG Xianglong, HUANG Cheng, LIU Maosong (911)
- Influence of Polysaccharide of Green Alga *Chlorella pacifica* on Activities of Immune-Related Enzymes in Japanese Stone Crab *Charybdis japonica*
..... WANG Jiaxin, SU Hong, WANG Weibing, XU Yongzhong, GUO Chenyu, GU Xiaduo, WANG Hongbin (917)
- Isolation and Characterization of a Fibrinolytic Enzyme from Cultured Sipunculid *Phasclosoma esculenta*
..... CAI Binxin, ZHOU Fengfang, RUAN Shaojiang, HUANG Weiqing, LIU Congying, SU Yu (922)
- Population Composition and Fishing Strategy of Whiparm Octopus *Octopus variabilis* in Breeding Season
..... HE Jiabei, WANG He, SUN Jianxiao, CAI Mingcheng, FU Jiange, LIU Yongsheng (929)

• Overview and Specific Topic •

- Recent Advances on Adulteration of Fishery Animal Products Based on DNA Detection: a Review
..... HUANG Jue, WANG Zhengliang, PAN Haibo, QIU Hui, YU Xiaoping (934)
- Research Progress on Detection Technology of *Cyprinid herpesvirus* II (CyHV-2): a Review
..... GUO Baoqin, WEI Chang, LI Qiang (943)

ISSN 1003-1111
CN 21-1110/S

Edited by Editorial Board of Journal of Fisheries Science

Liaoning Ocean and Fisheries Science Research Institute

No.50 Heishijiao Street, Dalian 116023, China

Tel: 86-411-84679512 Chief Editor: ZHOU Zunchun