

中国水产科学

Zhongguo Shuichan Kexue

第24卷 第5期 2017年9月

目次

黄河渔业资源增殖养护专题

- 黄河口邻近海域浮游植物群落及其多样性的长期变化(1960—2010)..... 栾青杉, 康元德, 王俊 (913)
- 黄河口及其邻近水域浮游动物群落结构特征及其季节变化· 刘晓慧, 徐宾铎, 张崇良, 薛莹, 任一平, 纪毓鹏 (922)
- 黄河口鱼类底拖网调查采样断面数的优化..... 王晶, 徐宾铎, 张崇良, 薛莹, 任一平, 万荣 (931)
- 黄河口及其邻近水域矛尾虾虎鱼渔业生物学特征..... 孟宽宽, 王晶, 张崇良, 任一平, 徐宾铎 (939)
- 黄河口及其邻近水域鱼类生物完整性评价..... 张芮, 徐宾铎, 薛莹, 张崇良, 任一平, 陈文蕾 (946)
- 调水调沙前后黄河口渔业资源结构变化..... 陈宁, 杨艳艳, 魏振华, 徐宾铎, 薛莹, 张崇良 (953)
- 时空及环境因子对黄河口及邻近水域斑螭资源丰度的影响..... 李敏, 徐宾铎, 麻秋云, 张崇良, 任一平, 万荣, 纪毓鹏 (963)

研究论文

- 淇河鲫 IL-8 原核表达系统的构建及多克隆抗体的制备与鉴定..... 王俊丽, 陈金顶, 卢荣华, 雒燕婷, 聂国兴 (970)
- 尼罗罗非鱼无乳链球菌基因缺失株 $\Delta cpsE$ 和 $\Delta neuA$ 的构建及其生物学特性..... 师红亚, 董浚键, 张德锋, 孙成飞, 田园园, 曾庆凯, 卢迈新, 叶星 (977)
- HSP90 抑制剂根赤壳菌素对斑马鱼胚胎发育的影响..... 罗军涛, 李艳, 陶筱帆, 刘玮, 倪国军, 张俊芳, 韩兵社 (988)
- dusp1* 敲降对低温诱导斑马鱼 ZF4 细胞凋亡的作用..... 牛虹博, 胡鹏, 程鹏丽, 储旭, 胡春兰, 陈良标 (995)
- 脊尾白虾 *GAPDH* 基因的克隆及其内参稳定性分析..... 薛蓓, 张培, 李志辉, 赵莲, 赖晓芳, 高焕, 李健, 阎斌伦 (1003)
- ENU 诱变草鱼及其雌核发育后代的微卫星遗传分析..... 王成龙, 郑国栋, 陈杰, 蒋霞云, 邹曙明 (1013)
- 美国熊本牡蛎基础群体构建及生产性能评估· 张跃环, 武祥伟, 秦艳平, 肖述, 马海涛, 李军, 张扬, 喻子牛 (1020)
- 罗氏沼虾高世代育种群体收获体重加性和显性遗传效应..... 强光峰, 杨国梁, 陈雪峰, 孔杰, 夏正龙, 高强, 罗坤, 栾生 (1027)
- 中间球海胆与马粪海胆杂交家系早期生长比较和亲本配合力估计..... 张伟杰, 韩奋杰, 陈顺, 刘奎, 周秘, 王宝锋, 王中, 刘明泰, 湛垚垚, 经晨晨, 常亚青 (1035)
- 石斑鱼循环水养殖系统微生物群落结构..... 吴越, 马建忠, 郑伊诺, 许凯伦, 李敏, 陈星星, 胡园, 曾国权, 黄振华 (1045)
- 运动强度对斜带石斑鱼生长、非特异性免疫和肝脏抗氧化能力的影响..... 魏小岚, 虞顺年, 阳艳, 肖雅元, 刘永, 韦芳三, 唐文乔, 李纯厚 (1055)
- 光照强度和氮营养盐浓度对龙须菜生理代谢的影响..... 张清芳, 冯颖琪, 温金燕, 钟名其, 杜虹 (1065)
- 中华绒螯蟹蜕壳过程中蟹足肌肉组织学及主要蛋白质含量变化..... 田志环, 焦传珍, 吴旭干, 成永旭 (1072)
- 海州湾及邻近海域春夏季典型断面鱼类浮游生物群落的结构特征..... 肖欢欢, 张崇良, 薛莹, 徐宾铎, 于海庆, 任一平 (1079)
- 胶州湾鱼类群落优势种组成的时空变化..... 沃佳, 徐宾铎, 薛莹, 任一平, 张崇良 (1091)
- 运用数据缺乏方法估算印度洋大青鲨可持续渔获量..... 耿喆, 朱江峰, 夏萌, 马璐璐 (1099)
- 桑沟湾表层水春夏两季二氧化碳分压变化和影响因素..... 刘毅, 蔺凡, 吴文广, 武宁宁, 张义涛, 王巍, 李敏, 张继红 (1107)
- 氨和空气暴露对大鳞副泥鳅组织中谷氨酰胺含量的影响..... 张云龙, 张海龙, 王凌宇, 顾贝易, 樊启学 (1115)
- 重金属对罗氏沼虾血细胞活性和酯酶活力的影响..... 郭慧, 张秀霞, 郑佩华, 鲁耀鹏, 冼健安 (1123)
- 线纹海马尾部溃烂症病原弧菌的分离鉴定及特性分析..... 杨求华, 郑乐云, 黄种持, 林琪, 陆振, 周宸 (1131)
- 黑龙江地区鲤春病毒血症病毒的分离与基因型分析..... 纪锋, 赵景壮, 刘森, 贺文斌, 尹家胜, 卢彤岩, 任广明, 徐黎明 (1141)
- 冷应激对水生动物代谢的影响及调控研究进展..... 许友卿, 郑一民, 丁兆坤 (1149)

Journal of Fishery Sciences of China

Vol. 24 No. 5 Sep. 2017

Contents

- Long-term changes of phytoplankton community and diversity in adjoining waters of the Yellow River estuary (1960—2010) LUAN Qingshan, KANG Yuande, WANG Jun (921)
- Characteristics of zooplankton community structure and its seasonal variation in the Yellow River estuary and its adjacent waters LIU Xiaohui, XU Binduo, ZHANG Chongliang, XUE Ying, REN Yiping, JI Yupeng (930)
- Sample size optimization for cluster design of bottom trawl fish surveys in the Yellow River estuary WANG Jing, XU Binduo, ZHANG Chongliang, XUE Ying, REN Yiping, WAN Rong (938)
- The fishery biological characteristics of *Chaeturichthys stigmatias* in Yellow River estuary and its adjacent waters MENG Kuankuan, WANG Jing, ZHANG Chongliang, REN Yiping, XU Binduo (945)
- Evaluation of the biotic integrity of fish assemblages in the Yellow River estuary and its adjacent waters ZHANG Rui, XU Binduo, XUE Ying, ZHANG Chongliang, REN Yiping, CHEN Wenlei (952)
- Composition and distribution of fishery resources before and after water and sediment discharge regulation in the Yellow River estuary CHEN Ning, YANG Yanyan, WEI Zhenhua, XU Binduo, XUE Ying, ZHANG Chongliang (962)
- Generalized additive model reveals effects of spatiotemporal and environmental factors on the relative abundance distribution of *Konosirus punctatus* in the Yellow River estuary and its adjacent waters LI Min, XU Binduo, MA Qiuyun, ZHANG Chongliang, REN Yiping, WAN Rong, JI Yupeng (969)
- Construction of prokaryotic expression system for IL-8 of *Carassius auratus* var. *Qihe* and preparation of polyclonal antibody WANG Junli, CHEN Jinding, LU Ronghua, LUO Yanting, NIE Guoxing (976)
- Construction and characterization of *cpsE*- and *neuA*-deleted mutants of *Streptococcus agalactiae* isolated from Nile tilapia SHI Hongya, DONG Junjian, ZHANG Defeng, SUN Chengfei, TIAN Yuanyuan, ZENG Qingkai, LU Maixin, YE Xing (987)
- Effect of HSP90 inhibitor radicicol on zebrafish embryonic development LUO Juntao, LI Yan, TAO Xiaofan, LIU Wei, NI Guojun, ZHANG Junfang, HAN Bingshe (994)
- The role of *dusp1* downregulation in apoptosis of zebrafish ZF4 cells under cold stress NIU Hongbo, HU Peng, CHENG Pengli, CHU Xu, HU Chunlan, CHEN Liangbiao (1002)
- Cloning, expression and stability analysis of the reference gene glyceraldehyde-3-phosphate dehydrogenase (GAPDH) in *Exopalaemon carinicauda* XUE Bei, ZHANG Pei, LI Zhihui, ZHAO Lian, LAI Xiaofang, GAO Huan, LI Jian, YAN Binlu (1012)
- Microsatellite genetic analysis of ENU mutagenesis grass carp and gynogenesis offspring group WANG Chenglong, ZHENG Guodong, CHEN Jie, JIANG Xiayun, ZOU Shuming (1019)
- Construction of basic population and performance evaluation for American Kumamoto oyster *Crassostrea sikamea* ZHANG Yuehuan, WU Xiangwei, QIN Yanping, XIAO Shu, MA Haitao, LI Jun, ZHANG Yang, YU Ziniu (1026)
- Estimation of additive and dominant genetic effects for harvest body weight in advanced generations of *Macrobrachium rosenbergii* QIANG Guangfeng, YANG Guoliang, CHEN Xuefeng, KONG Jie, XIA Zhenglong, GAO Qiang, LUO Kun, LUAN Sheng (1034)
- Comparisons of early growth and estimation of combining ability of parents for *Strongylocentrotus intermedium* and *Hemicentrotus pulcherrimus* sea urchin hybrid families ZHANG Weijie, HAN Fenjie, CHEN Shun, LIU Kui, ZHOU Mi, WANG Baofeng, WANG Zhong, LIU Mingtai, ZHAN Yaoyao, JING Chenchen, CHANG Yaqing (1044)
- Analysis of microbial community structure in recirculating aquaculture system for groupers (*Epinephelus*) WU Yue, MA Jianzhong, ZHENG Yinuo, XU Kailun, LI Min, CHEN Xingxing, HU Yuan, ZENG Guoquan, HUANG Zhenhua (1054)
- Effects of exercise intensity on growth, blood innate immunity, hepatic antioxidant capacity, and *HSPs70* mRNA expression of *Epinephelus coioides* WEI Xiaolan, YU Shunian, YANG Yan, XIAO Yayuan, LIU Yong, WEI Fangsan, TANG Wenqiao, LI Chunhou (1064)
- The effects of light intensity and nitrogen on the physiology of the red macroalgae *Gracilaria lemaneiformis* ZHANG Qingfang, FENG Yingqi, WEN Jinyan, ZHONG Mingqi, DU Hong (1071)
- Changes in histology and protein content in claw closer muscle of Chinese mitten crab, *Eriocheir sinensis* during the molt cycle TIAN Zhihuan, JIAO Chuanzhen, WU Xugan, CHENG Yongxu (1078)
- Community structure of ichthyoplankton from typical transects in Haizhou Bay and its adjacent waters during spring and summer XIAO Huanhuan, ZHANG Chongliang, XUE Ying, XU Binduo, YU Haiqing, REN Yiping (1090)
- Temporo-spatial heterogeneity of dominant fish species in the Jiaozhou Bay community WO Jia, XU Binduo, XUE Ying, REN Yiping, ZHANG Chongliang (1098)
- Estimate of sustainable yield of blue shark (*Prionace glauca*) in the Indian Ocean using data-poor approach GENG Zhe, ZHU Jiangfeng, XIA Meng, MA Lulu (1106)
- Seasonal variations (spring and summer) of the surface seawater pCO_2 in Sanggou Bay and corresponding impact factors LIU Yi, LIN Fan, WU Wenguang, WU Ningning, ZHANG Yitao, WANG Wei, LI Min, ZHANG Jihong (1114)
- Changes to tissue glutamine content, glutamine synthetase, and glutamate dehydrogenase activities during ammonia and aerial exposure in Chinese loach (*Paramisgurnus dabryanus*) ZHANG Yunlong, ZHANG Hailong, WANG Lingyu, GU Beiyi, FAN Qixue (1122)
- Effects of heavy metals on cell viability and esterase activity of hemocytes from the freshwater prawn, *Macrobrachium rosenbergii* GUO Hui, ZHANG Xiuxia, ZHENG Peihua, LU Yaopeng, XIAN Jian'an (1130)
- Identification and characterization of pathogen *Vibrio rotiferianus*, a pathogen isolated from *Hippocampus erectus* with tail-rot disease YANG Qiuhua, ZHENG Leyun, HUANG Zhongchi, LIN Qi, LU Zhen, ZHOU Chen (1140)
- Isolation and genotype analysis of spring viremia of carp virus strains from Heilongjiang Province in China JI Feng, ZHAO Jingzhuang, LIU Miao, HE Wenbin, YIN Jiasheng, LU Tongyan, REN Guangming, XU Liming (1148)
- Research progress on the effects, mechanisms, and control of cold stress in aquatic animals XU Youqing, ZHENG Yimin, DING Zhaokun (1159)