

# 上海海洋大学学报

## 2019年7月 第28卷 第4期

### 目 次

#### 水产养殖

- 西双版纳河蟹性腺发育规律和营养品质 ..... 王世会,龙晓文,祖 露,吴旭干,成永旭(483)  
大棚养殖和露天养殖模式下不同生长阶段凡纳滨对虾肌肉营养成分比较  
..... 吴 丹,江 敏,吴 昊,戴习林,余苗苗,金若晨,孙世玉,王旭娜,姚 丹(491)  
不同养殖模式下罗氏沼虾肠道菌群结构特征及其与环境因子的关系 ..... 董学兴,吕林兰,赵卫红,於叶兵,刘其根(501)  
中华绒螯蟹在“蟹龙宫”饲养环境中的个体蜕壳与生长 ..... 李志华,卢德胤,刘兆强,杨 鹤,王 军,王成辉(511)  
负压式光生物反应器对微藻的培养效果  
..... 唐亚鹏,郭 立,杨丽诗,杨育凯,姜 松,周发林,江世贵,黄建华(519)

- 皱纹紫菜色素突变体的分离与特性分析 ..... 张 倩,丁洪昌,严兴洪,刘长军(526)  
2种坛紫菜品种栽培生长参数及CNP固定效率比较 ..... 王怡娟,应苗苗,周庆澔,许曹鲁,权 伟(535)

#### 水生生物技术

- 基于转录组数据的铜藻微卫星标记开发与验证 ..... 刘 颖,张 鹏,王铁杆,张 敏,任 鹏,钟晨辉,胡程睿(542)  
长江鲟科鱼类尿液成分中L-色氨酸的检测分析 ..... 全 爽,陈建武,王成友,杜 浩,危起伟(550)  
金鱼类胡萝卜素提取工艺对提取效果的差异性 ..... 毕东旭,徐成龙,张钦江(559)

#### 水产营养与饲料

- 中成鱼阶段卵形鲳鲹对饲料蛋白质和脂肪的适宜需求量 ..... 胡海滨,钱雪桥,解绶启,负 彪,庄界成(566)  
饲料喷涂光合细菌对凡纳滨对虾肠道微生物多样性的影响 ..... 汪 毅,闫明磊,李 航,黄旭雄,李松林(577)

#### 渔业资源与管理

##### 千岛湖国家级水产种质资源保护区(梓桐核心区)鱼类群落结构

- ..... 郝雅宾,刘金殿,郭爱环,张爱菊,原居林,练青平,顾志敏(587)  
杭州湾东北部渔业资源群落结构的季度变化 ..... 周 轩,王 森,洪 波(597)  
扬中夹江浮游植物种群特征及其对环境因子的响应 ..... 张家路,王银平,蔺丹清,李佩杰,刘 凯(607)

#### 远洋渔业

- 东南太平洋智利竹筍鱼资源渔场时空分布 ..... 李媛洁,陈新军,汪金涛,陈作志(616)

#### 食品科学

- 不同月份刀鲚鲜味物质变化规律 ..... 阮明杰,陶宁萍(626)

#### 海洋药物

##### 溶栓候选药物双吗啉海洋生物碱FGFC1的转化特性

- ..... 张本帅,姜胜男,杨 晶,钱士云,马子宾,郭锐华,包 斌,吴文惠(634)

**JOURNAL OF SHANGHAI OCEAN UNIVERSITY**  
**Vol. 28 No. 4, July, 2019**  
**CONTENTS**

- Gonadal development and nutritional composition of adult *Eriocheir sinensis* from Xishuangbanna ..... WANG Shihui, LONG Xiaowen, ZU Lu, WU Xugan, CHENG Yongxu(483)
- Comparison of nutritional component of greenhouse cultured and outdoor cultured *Litopenaeus vannamei* in different growth stages ..... WU Dan, JIANG Min, WU Hao, DAI Xilin, YU Miaomiao, JIN Ruochen, SUN Shiyu, WANG Xuna, YAO Dan(491)
- Effects of different cultural patterns on microbial communities in the intestine of *Macrobrachium rosenbergii* and interactions with environment factors ..... DONG Xueming , LÜ Linlan, ZHAO Weihong, YU Yebing, LIU Qigen(501)
- Individual molting and growth characters of *Eriocheir sinensis* reared in “Crab Palace” system ..... LI Zhihua, LU Deyin, LIU Zhaoqiang, YANG He, WANG Jun, WANG Chenghui(511)
- Culture effect of negative pressure photobioreactor on microalgae ..... TANG Yapeng, GUO Li, YANG Lishi, YANG Yukai, JIANG Song, ZHOU Falin, JIANG Shigui, HUANG Jianhua(519)
- Isolation and characterization of pigmentation mutants of *Pyropia crispata* (Bangiales, Rhodophyta) ..... ZHANG Qian, DING Hongchang, YAN Xinghong, LIU Changjun(526)
- Comparison on growth parameters and sequestration efficiency of carbon, nitrogen and phosphorus between two strains of *Pyropia haitanensis* ..... WANG Yijuan, YING Miaomiao, ZHOU Qinghao, XU Caolu, QUAN Wei(535)
- Development and verification of SSR based on transcriptome of *Sargassum horneri* ..... LIU Ying, ZHANG Peng, WANG Tiegan, ZHANG Min, REN Peng, ZHONG Chenhui, HU Chengrui(542)
- Determination and analysis of L-tryptophan in urine component of Acipenseriformes in Yangtze River ..... TONG Shuang, CHEN Jianwu, WANG Chengyou, DU Hao, WEI Qiwei(550)
- Differences in extraction efficiency of different extraction processes of goldfish carotenoids ..... BI Dongxu, XU Chenglong, ZHANG Yinjiang(559)
- Dietary protein and lipid optimum requirements for on-growing golden Pompano (*Trachinotus ovatus*) ..... HU Haibin, QIAN Xueqiao, XIE Shouqi, YUN Biao, ZHUANG Jiecheng(566)
- Effect of different photosynthetic bacteria coating diets on intestinal microbial diversity of white shrimp, *Litopenaeus vannamei* ..... WANG Yi, YAN Minglei, LI Hang, HUANG Xuxiong, LI Songlin(577)
- Fish community structure in Zitong Core Area in Qiandao Lake National Aquatic Genetic Resources Conservation Area ..... HAO Yabin, LIU Jindian, GUO Aihuan, ZHANG Aiju, YUAN Julin, LIAN Qingping, GU Zhimin(587)
- Fishery resources community structure seasonal change in North-eastern Hangzhou Bay ..... ZHOU Xuan, WANG Miao, HONG Bo(597)
- Phytoplankton community structure in Jiajiang in Yangzhong Estuary and its relation to environmental factors ..... ZHANG Jialu, WANG Yiping, LIN Danqing, LI Peijie, LIU Kai(607)
- Spatio-temporal distribution of mackerel in Southeast Pacific Ocean ..... LI Yuanjie, CHEN Xinjun, WANG Jintao, CHEN Zuozhi(616)
- Change law of *Coilia nasua* umami taste in different months ..... RUAN Mingjie, TAO Ningping(626)
- Transformation of biindole marine alkaloid FGFC1 by hepatic microsome system ..... ZHANG Benshuai, JIANG Shengnan, YANG Jing, QIAN Shiyun, MA Zibin, GUO Ruihua, BAO Bin, WU Wenhui(634)