



水生生物学报

(SHUI SHENG SHENG WU XUE BAO)

2011 年 3 月 第 35 卷 第 2 期 Vol. 35 No. 2

目次

中华绒螯蟹微卫星标记与生长性状相关性的初步分析.....	
..... 吴 滢 付春鹏 蒋速飞 傅洪拓 乔 慧 龚永生 熊貽伟	(197)
鲢肠袋虫 18S rDNA 的扩增、测序与分析	
..... 李 明 王 崇 汪建国 喻达辉 王文博 戈贤平 徐 跑 谢 骏 龚小宁	(203)
中华绒螯蟹蜕皮抑制激素基因全长 cDNA 克隆和重组表达.....	
..... 孙 妍 张亦陈 刘逸尘 王雪惠 王宇凡 耿绪云 孙金生 杨卫军	(210)
建鲤生长激素受体基因分离、转录子多态性以及组织表达特性	
..... 俞菊华 李红霞 唐永凯 李建林 董在杰	(218)
军曹鱼线粒体 DNA 全序列与鲈鱼宗系的系统进化	
..... 王中铎 郭昱嵩 刘楚吾 刘 筠	(229)
斑马鱼脑细胞凋亡基因对束丝藻毒素致毒的响应	
..... 张德禄 胡春香 王高鸿 刘永定 李敦海 李根宝 沈银武	(238)
饲料中不同脂肪源对黄鲢生长和组织中脂肪酸含量的影响	
..... 周秋白 朱长生 吴华东 严兴洪	(246)
水体 pH 胁迫对异育银鲫皮质醇激素和非特异性免疫的影响	
..... 李文祥 谢 骏 宋 锐 邹 红 吴山功 王桂堂	(256)
南方鲇不同组织间线粒体代谢的比较研究	
..... 闫玉莲 谢小军	(262)
洞庭湖光泽黄颡鱼食性研究	
..... 袁 刚 茹辉军 刘学勤	(270)
双向急性变温对南方鲇幼鱼静止耗氧率和临界游泳速度的影响	
..... 曾令清 张耀光 付世建 曹振东	(276)
棉子糖对花鲈生长、免疫抗应激及抵御嗜水气单胞菌攻毒的影响	
..... 葛红云 王兰梅 郑银桦 薛 敏 赵维香 吴秀峰 胡 亮 王 嘉	(283)
黄芪多糖对齐口裂腹鱼生长、体组成和免疫指标的影响	
..... 向 泉 陈 建 周兴华 王文娟	(291)
在不同营养条件下铜绿微囊藻对模拟微重力胁迫的响应	
..... 肖 媛 王高鸿 刘永定	(300)
氟苯尼考及氟苯尼酰胺在克氏原螯虾体内药物代谢动力学	
..... 岳刚毅 吴志新 杨 倩 曲 艺 庞丽姣 谢玲玲 于艳梅 陈孝煊	(307)
微囊藻毒素 LR 对人 HL7702 细胞蛋白磷酸酶 2A 的影响	
..... 郑 群 梁 婧 徐立红	(313)
不同固磷方式对巢湖沉积物磷吸附行为的影响	
..... 刘云兵 孙爱华 曹秀云 宋春雷 周易勇	(319)
低温和超低温保存对中国大鲵成熟精子的影响	
..... 彭亮跃 肖亚梅 刘 筠	(325)
中国云南三产地淡水三角涡虫核型分析	
..... 陈广文 田士瑞 刘 涛 刘德增	(333)
失水-吸水过程中集球藻的生理生化特性研究	
..... 饶本强 李敦海 吴沛沛 沈银武 刘永定	(340)
综述	
SNPs 及其在水产动物遗传学与育种学研究中的应用	
..... 谭 新 童金苟	(348)
研究简报	
牙鲆变态中 IGF-I 基因表达及甲状腺激素对其的调节作用	
..... 张俊玲 施志仪 付元帅 程 琦	(355)
武汉沙湖冬季和春季浮游植物群落结构的变化	
..... 左 明 李敦海	(360)
星斑川鲈幼鱼胆碱需求量的研究	
..... 帅继祥 张利民 王际英 崔立娇 冯德智 蒋锦坤 张德瑞 孙永智	(365)



ACTA HYDROBIOLOGICA SINICA

Vol. 35, No. 2, Mar., 2011

CONTENTS

Preliminary studies on the correlation between microsatellite markers and growth traits in Chinese mitten crab (<i>Eriocheir sinensis</i>)	WU Yan, FU Chun-Peng, JIANG Su-Fei, FU Hong-Tuo, QIAO Hui, GONG Yong-Sheng and XIONG Yi-Wei	(202)
PCR amplification, sequencing and analysis of 18S rDNA of <i>Balantidium ctenopharyngodon</i> inhabiting grass carp	LI Ming, WANG Chong, WANG Jian-Guo, YU Da-Hui, WANG Wen-Bo, GE Xian-Ping, XU Pao, XIE Jun and GONG Xiao-Ning	(208)
Cloning and expression analysis of molt-inhibiting hormone gene (<i>Es-MIH</i>) in <i>Eriocheir sinensis</i>	SUN Yan, ZHANG Yi-Chen, LIU Yi-Chen, WANG Xue-Hui, WANG Yu-Fan, GENG Xu-Yun, SUN Jin-Sheng and YANG Wei-Jun	(217)
Isolation, transcripts polymorphism and tissues expression of growth hormone receptor genes in <i>Cyprinus carpio</i> var. jian	YU Ju-Hua, LI Hong-Xia, TANG Yong-Kai, LI Jian-Lin and DONG Zai-Jie	(228)
The complete mitochondrial DNA of cobia (<i>Rachycentron canadum</i>) and phylogenetics of carangoid	WANG Zhong-Duo, GUO Yu-Song, LIU Chu-Wu and LIU Yun	(237)
Response of apoptotic genes to aphantoxin-paralytic shellfish poison in freshwater extracted from the <i>Aphanizomenon flos-aquae</i> DC-1 in cells of brain on zebrafish (<i>Danio rerio</i>)	ZHANG De-Lu, HU Chun-Xiang, WANG Gao-Hong, LIU Yong-Ding, LI Dun-Hai, LI Gen-Bao and SHEN Yin-Wu	(244)
Effects of dietary lipid sources on tissue fatty acids profile and growth performance in female rice field eel <i>Monopterus albus</i> , Zuiew	ZHOU Qiu-Bai, ZHU Chang-Sheng, WU Hua-Dong and YAN Xing-Hong	(255)
Effects of pH stress on cortisol and non-specific immunity of <i>Carassius auratus gibelio</i>	LI Wen-Xiang, XIE Jun, SONG Rui, Zou Hong, WU Shan-Gong and WANG Gui-Tang	(261)
Comparative studies on metabolism of mitochondria isolated from various tissues of southern catfish, <i>Silurus meridionalis</i> Chen	YAN Yu-Lian and XIE Xiao-Jun	(269)
Feeding habits of <i>Pelteobagrus nitidus</i> in Lake Dongting	YUAN Gang, RU Hui-Jun and LIU Xue-Qin	(275)
Effects of acute temperature change on resting oxygen consumption rate and critical swimming speed in juvenile southern catfish (<i>Silurus meridionalis</i> Chen)	ZENG Ling-Qing, ZHANG Yao-Guang, FU Shi-Jian and CAO Zhen-Dong	(282)
Effects of raffinose on growth performance, immunity, stress response and survival of Japanese Seabass (<i>Lateolabrax japonicus</i>) challenged with <i>Aeromonas hydrophila</i>	GE Hong-Yun, WANG Lan-mei, ZHENG Yin-Hua, XUE Min, ZHAO Wei-Xiang, WU Xiu-Feng, HU Liang and WANG Jia	(290)
Effect of astragalus polysaccharides on growth, body composition and immune index in <i>Schizothorax prenanti</i>	XIANG Xiao, CHEN Jian, ZHOU Xing-Hua and WANG Wen-Juan	(299)
The effects of simulated microgravity on <i>Microcystis aeruginosa</i> depending on the nutrient concentrations of medium	XIAO Yuan, WANG Gao-Hong and LIU Yong-Ding	(306)
Pharmacokinetics of florfenicol and its metabolite, florfenicol amine, in red swamp crayfish, <i>Procambarus clarkii</i>	YUE Gang-Yi, WU Zhi-Xin, YANG Qian, QU Yi, PANG Li-Jiao, XIE Ling-Ling, YU Yan-Mei and CHEN Xiao-Xuan	(312)
Effect of microcystin LR on PP2A in HL7702 cell	ZHENG Qun, LIANG Jing and XU Li-Hong	(318)
Effects of different phosphorus immobilization ways on phosphorus sorption behaviors in sediment of Lake Chaohu		

.....	LIU Yun-Bing, SUN Ai-Hua, CAO Xiu-Yun, SONG Chun-Lei and ZHOU Yi-Yong	(324)
Effect of cryopreservation and short-term storage of Chinese giant salamander sperm		
.....	PENG Liang-Yue, XIAO Ya-Mei and LIU Yun	(331)
Karyotype analysis of the freshwater <i>Dugesia</i> planarians from Yunnan Province, China		
.....	CHEN Guang-Wen, TIAN Shi-Rui, LIU Tao and LIU De-Zeng	(339)
Study on the physiological and biochemical properties of <i>Palmellococcus</i> sp. subjected to dehydration and subsequent rehydration		
.....	RAO Ben-Qiang, LI Dun-Hai, WU Pei-Pei, SHEN Yin-Wu and LIU Yong-Ding	(347)

Reviews

SNPs and their applications in studies on genetics and breeding of aquaculture animals	TAN Xin and TONG Jin-Gou	(348)
--	--------------------------	-------

Short Communications

Gene expression and thyroid hormone regulated transcript of <i>IGF-I</i> during metamorphosis of the flounder, <i>paralichthys olivaceus</i>		
.....	ZHANG Jun-Ling, SHI Zhi-Yi, FU Yuan-Shuai and CHENG Qi	(355)
The variation of phytoplankton community structure in winter and spring in Lake Shahu at Wuhan	ZUO Ming and LI Dun-Hai	(360)
Dietary choline requirement for juvenile starry flounder (<i>Platichthys stellatus</i>)	SHUAI Ji-Xiang,	
ZHANG Li-Min, WANG Ji-Ying, CUI Li-Jiao, FENG De-Zhi, JIANG Jin-Kun, ZHANG De-Rui and SUN Yong-Zhi		(365)

水生生物学报 (SHUI SHENG SHENG WU XUE BAO)

(双月刊 1955 年创刊)

第 35 卷 第 2 期 2011 年 3 月

ACTA HYDROBIOLOGICA SINICA

(Bimonthly Since 1955)

Vol. 35 No. 2 Mar., 2011

编 辑	《水生生物学报》编辑委员会 武昌东湖南路 7 号 邮政编码: 430072 E-mail: acta@ihb.ac.cn 电话: 027-68780701	Edited by	Editorial Board of ACTA HYDROBIOLOGICA SINICA (Wuhan 430072, China) E-mail: acta@ihb.ac.cn Tel: 027-68780701
主 编	桂 建 芳	Editor-in-Chief	GUI Jian-Fang
主 管	中国科学院	Superintended by	Chinese Academy of Sciences
主 办	中国科学院水生生物研究所 中国海洋湖沼学会	Sponsored by	Institute of Hydrobiology, Chinese Academy of Sciences Chinese Society for Oceanology and Limnology
出 版	科 学 出 版 社 (北京东黄城根北街 16 号 邮政编码: 100717)	Published by	Science Press (16 Donghuangchenggen North Street, Beijing 100717, China)
印 刷 装 订	北京中科印刷有限公司	Printed by	Beijing Zhongke Printing Limited Company
总 发 行 处	科 学 出 版 社 地址: 北京东黄城根北街 16 号 邮政编码: 100717 电话: 010-64017032 E-mail: journal@mail.sciencep.com	Distributed by	Science Press Add: 16 Donghuangchenggen North Street, Beijing 100717, China Tel: 010-64017032 E-mail: journal@mail.sciencep.com
国外总发行	中国国际图书贸易总公司 (北京 399 信箱 邮政编码: 100044)	Foreign	China International Book Trading Corporation Add: P.O.Box 399, Beijing 100044, China

中国标准刊号 ISSN 1000-3207
CN 42-1230/Q

国内邮发代号: 82-329 国外发行代号: BM856 定价: 30.00 元 Code No. BM856

国内外公开发行