



ISSN 2095-0780
CODEN NSKACH
中国科技核心期刊
中文核心期刊
中国科学引文数据库来源期刊

南方水产科学

NANFANG SHUICHAN KEXUE

South China Fisheries Science

第14卷第6期 Vol.14 No.6

2018年12月 Dec. 2018

卷终 The End

2018 6

ISSN 2095-0780



万方数据

中国水产科学研究院南海水产研究所 主办



目 次

研究论文

- 北部湾蓝圆鲹生物学特征及开发状态的年际变化 耿 平, 张 魁, 陈作志, 许友伟, 孙铭帅 (1)
- 基于地标点法的九龙江口和珠江口凤鲚和七丝鲚耳石形态学特征比较
.....姜 涛, 郑朝臣, 黄洪辉, 轩中亚, 邱 晨, 刘洪波, 杨 健 (10)
- 广东惠州东海人工鱼礁对附近海域潮汐动力影响研究
.....陈钰祥, 黎小国, 佟 飞, 唐振朝, 袁华荣, 曾 雷, 陈丕茂 (17)
- 南海北部陆架区金线鱼耳石形态及其与体长、体质量关系 彭 露, 江艳娥, 徐姗姗, 陈作志 (27)
- 黄唇鱼声谱特征的初步分析 张丝雨, 张琳玲, 黄洪辉, 郭少忠 (34)
- 红鳍笛鲷仔、稚鱼摄食、消化与食物选择性研究 崔 科, 杨其彬, 马振华 (43)
- MS-222 和丁香酚在大口黑鲈幼鱼模拟运输中的麻醉效果
.....王文豪, 董宏标, 孙永旭, 曹 明, 段亚飞, 李 华, 刘青松, 张家松 (52)
- 黑鲈幼鱼力竭运动后代谢酶活性的恢复水平
.....李丹丹, 陈丕茂, 朱爱意, 袁华荣, 陈文静, 龙鑫玲, 王文杰 (59)
- 短须裂腹鱼与鲈鲤杂交 F₁ 代胚胎及仔稚鱼发育观察
.....杨 洋, 陈 瑶, 万玉芳, 邓思红, 何学福, 王志坚, 金 丽 (66)
- 大口黑鲈 HSC70-1 基因多态性及其双倍型与生长性状的关联分析
.....李胜杰, 樊佳佳, 姜 鹏, 白俊杰, 孙建国, 吴建开, 费志平 (74)
- 基于响应面法分析乌梅和抗生素对哈维氏弧菌的协同抑制作用
.....钟志鸿, 王 菲, 陈永贵, 邓恒为, 王世锋, 孙 云, 陈雪芬, 郭伟良, 周永灿 (81)
- 东北稻渔综合种养模式下中华绒螯蟹农药残留水平及健康风险评价
.....覃东立, 黄晓丽, 高 磊, 王 鹏, 陈中祥, 吴 松, 姜海峰, 刘 欢, 韩 刚 (89)
- 舌状蜈蚣藻营养成分分析与品质评价 刘 欢, 陈胜军, 杨贤庆, 戚 勃, 李春生 (99)
- 糖基化鳕鱼肌原纤维蛋白体外消化产物抗氧化性研究
.....仇超颖, 荣 婧, 胡 晓, 杨贤庆, 李来好, 黄 卉 (105)

研究简报

- 广西沿海贝类寄生帕金虫的宿主多样性及季节动态
.....吴 霖, 叶灵通, 崔颖溢, 姚 托, 卢 洁, 罗 帮, 邓爱珍, 王江勇 (113)

综述

- 南海外海大洋性渔业资源调查评估进展
.....张 俊, 邱永松, 陈作志, 张 鹏, 张 魁, 范江涛, 陈国宝, 蔡研聪, 孙铭帅 (118)

South China Fisheries Science

(Nanfang Shuichan Kexue)

Vol. 14, No. 6 (The End), Dec., 2018 (Bimonthly)

Contents

Research Paper

- Interannual change in biological traits and exploitation rate of *Decapterus maruadsi* in Beibu Gulf
..... GENG Ping, ZHANG Kui, CHEN Zuozhi, XU Youwei, SUN Mingshuai (1)
- Landmark-based morphometric comparison of otolith for *Coilia mystus* and *C. grayii* from Pearl River estuary
and Jiulong River estuary
JIANG Tao, ZHENG Chaocheng, HUANG Honghui, XUAN Zhongya, QIU Chen, LIU Hongbo, YANG Jian (10)
- Impact of Dongshanhai artificial reef on hydrodynamics in nearby sea area in Huizhou, Guangdong Province...
... CHEN Yuxiang, LI Xiaoguo, TONG Fei, TANG Zhenzhao, YUAN Huarong, ZENG Lei, CHEN Pimao (17)
- Otolith morphology of *Nemipterus virgatus* and its relation to body length and mass in continental shelf of
northern South China Sea PENG Lu, JIANG Yan'e, XU Shannan, CHEN Zuozhi (27)
- Preliminary analysis of the *Bahaba taipingensis*' acoustic spectrum characteristics.....
..... ZHANG Siyu, ZHANG Linling, HUANG Honghui, GUO Shaozhong (34)
- Ingestion, digestion and food selection of crimson snapper (*Lutjanus erythropterus*) larvae and juveniles.....
..... CUI Ke, YANG Qibin, MA Zhenhua (43)
- Anesthetic effects of MS-222 and eugenol in simulated transportation of juvenile largemouth bass (*Micropterus
salmoides*).....WANG Wenhao,
DONG Hongbiao, SUN Yongxu, CAO Ming, DUAN Yafei, LI Hua, LIU Qingsong, ZHANG Jiasong (52)
- Recovery level of metabolic enzymes in juvenile black sea bream (*Sparus macrocephalus*) after exhaustive exercise
... LI Dandan, CHEN Pimao, ZHU Aiyi, YUAN Huarong, CHEN Wenjing, LONG Xinling, WANG Wenjie (59)
- Embryonic, larval and juvenile development of hybrid between *Schizothorax wangchiachii* and *Percocypris
pingipingi* ... YANG Yang, CHEN Yao, WAN Yufang, DENG Sihong, HE Xuefu, WANG Zhijian, JIN Li (66)
- Association analysis of SNPs and diplotype of *HSC70-1* gene with growth traits in largemouth bass (*Micropterus
salmoides*) LI Shengjie, FAN Jiajia, JIANG Peng, BAI Junjie, SUN Jianguo, WU Jiankai, FEI Zhiping (74)
- Synergism between *Fructus mume* and antibiotics against *Vibrio harveyi* based on response surface methodology
.....ZHONG Zhihong, WANG Fei,
CHEN Yonggui, DENG Hengwei, WANG Shifeng, SUN Yun, CHEN Xuefen, GUO Weiliang, ZHOU Yongcan (81)
- Residues and health risk assessment of pesticides in river crab by integrated rice field aquaculture in northeast
China.....QIN Dongli,
HUANG Xiaoli, GAO Lei, WANG Peng, CHEN Zhongxiang, WU Song, JIANG Haifeng, LIU Huan, HAN Gang (89)
- Nutritional analysis and quality evaluation of *Grateloupia livida*.....
.....LIU Huan, CHEN Shengjun, YANG Xianqing, QI Bo, LI Chunsheng (99)
- Antioxidant properties of simulated *in vitro* digests of glycosylated *Symplectoteuthis oualaniensis* myofibrillar
protein QIU Chaoying, RONG Jing, HU Xiao, YANG Xianqing, LI Laihao, HUANG Hui (105)

Research Notes

- Species diversity and seasonal occurrence of *Perkinsus* spp. in shellfish along coastal area of Guangxi
... WU Lin, YE Lingtong, CUI Yingyi, YAO Tuo, LU Jie, LUO Bang, DENG Aizhen, WANG Jiangyong (113)

Review

- Advances in pelagic fishery resources survey and assessment in open South China Sea
.....ZHANG Jun, QIU Yongsong,
CHEN Zuozhi, ZHANG Peng, ZHANG Kui, FAN Jiangtao, CHEN Guobao, CAI Yancong, SUN Mingshuai (118)

《南方水产科学》第二届编辑委员会
Editor Board for *South China Fisheries Science*

主任委员 Chairman 江世贵 JIANG Shigui

副主任委员 Vice-Chairman 李来好 LI Laihao

委 员 Members (以姓氏笔画为序)

王清印 WANG Qingyin

孙效文 SUN Xiaowen

刘 晴 LIU Qing

刘英杰 LIU Yingjie

庄 平 ZHUANG Ping

麦康森 MAI Kangsen

杨 吝 YANG Lin

杨 健 YANG Jian

李杰人 LI Jieren

李纯厚 LI Chunhou

李卓佳 LI Zhuojia

吴淑勤 WU Shuqin

何建国 HE Jianguo

邱永松 QIU Yongsong

邹桂伟 ZOU Guiwei

张 僊 ZHANG Si

张国范 ZHANG Guofan

张显良 ZHANG Xianliang

陈立侨 CHEN Liqiao

陈松林 CHEN Songlin

陈雪忠 CHEN Xuezhong

陈新军 CHEN Xinjun

林 钦 LIN Qin

林小涛 LIN Xiaotao

金显仕 JIN Xianshi

赵法箴 ZHAO Fazhen

桂建芳 GUI Jianfang

贾晓平 JIA Xiaoping

徐 跑 XU Pao

郭根喜 GUO Genxi

唐启升 TANG Qisheng

黄良民 HUANG Liangmin

常亚青 CHANG Yaqing

章超桦 ZHANG Chaohua

薛长湖 XUE Changhu

主 编 Editor in Chief 李来好 LI Laihao

编 辑 部 Editorial Office 艾 红 (主 任) AI Hong (Chief)

丁彦文 (责任编辑) DING Yanwen (Responsible Editor)

章丽萍 (责任编辑/英文编辑) ZHANG Liping (Responsible Editor/English Editor)

闫 帅 (责任编辑) YAN Shuai (Responsible Editor)

江 睿 (编 辑) JIANG Rui (Editor)

南方水产科学 NANFANG SHUICHAN KEXUE

(双月刊 1963 年创刊)

第 14 卷第 6 期 (卷终) 2018 年 12 月 5 日出版

South China Fisheries Science

(Bimonthly Started in 1963)

Vol. 14, No. 6 (The End), Dec., 2018

主管单位: 中华人民共和国农业农村部

主办单位: 中国水产科学研究院南海水产研究所

出版单位: 《南方水产科学》编辑部
(广州市新港西路231号 邮编: 510300)

电 话: 020-84458694

传 真: 020-84451442

电子信箱: nfsc@vip.163.com

网 址: <http://www.schinafish.cn>

印 刷: 广州广禾印刷有限公司

国内发行: 广东省报刊发行局

国外发行: 中国国际图书贸易集团有限公司
(北京 399 信箱 100044)

Responsibility: Ministry of Agriculture and Rural
Affairs, P. R. China

Sponsor: South China Sea Fisheries Research Institute,
Chinese Academy of Fishery Sciences

Publisher: Editorial Office of SCFS (No. 231 Xingangxi
Rd., Guangzhou 510300, China)

Tel: 86-20-84458694

Fax: 86-20-84451442

E-mail: nfsc@vip.163.com

Website: <http://www.schinafish.cn>

Printed by Guangzhou Guanghe Printing Co., Ltd.

Domestic Distributor: Guangdong Bureau for Distribu-
tion of Newspapers and Journals

Oversea Distributor: China International Book Trading
Corporation (P. O. Box 399, Bei-
jing, China)

中国标准刊号: ISSN 2095-0780
CN 44-1683/S

国内邮发代号: 46-65
国外发行代号: BM6747

国内外公开发行
国内定价: 25.00 元